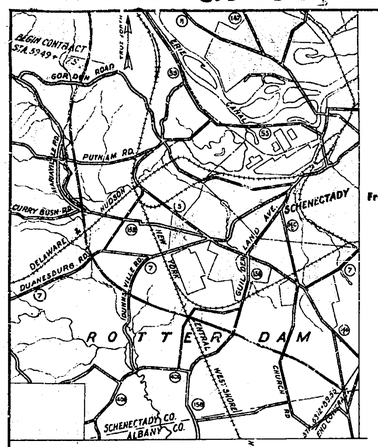
M.T. 53-3 S.T 53-7 R.C. 53-19

24:1

M.T. 53-3 S.T. 53-7 R.C. 53-19



NEW YORK STATE THRUWAY AUTHORITY

PLANS FOR CONSTRUCTING A PORTION OF THE NEW YORK STATE THRUWAY
MOHAWK SECTION - Subdivision 1 & 2 (Gordon Road - Albany County Line)

From Station 5949+75 to Station 6069+50, Station 6081+30 to Station 6182+00 and Station 6188+00 to Station 6313+00.88, a length of 6.542 miles in the Town of Rotterdam, Schenectady County, of which 0.002 mile (one lane) is in the Town of Guilderland, Albany County

A TOTAL LENGTH OF 6.542 MILES — CONTRACT No. M.T. 53-3

AND FOR CONSTRUCTING PORTIONS OF

GORDON ROAD (County Road 32R)
From Station -0+50 to Station 15+00, a length of 0.321 mile in the Town of Rotterdam, Schenectady County

PUTNAM ROAD (County Road 26R)
From Station 2+58 to Station 17+50, a length of 0.324 mile in the Town of Rotterdam, Schenectady County

CURRY BUSH ROAD (County Road 24R)
From Station 0+11 to Station 9+54.66, a length of 0.30 mile (including intersection and turnaround) in the Town of Rotterdam, Schenectady County

MARIAVILLE ROAD CONNECTION
From Station 7+95.79 to Station 11+75, a length of 0.072 mile in the Town of Rotterdam, Schenectady County

DUNNSVILLE ROAD (County Road 9R)
From Station 3+50 to Station 19+50, a length of 0.303 mile in the Town of Rotterdam, Schenectady County

CHURCH ROAD (County Road 7R)
From Station -1+00 to Station 19+00, a length of 0.379 mile in the Town of Rotterdam, Schenectady County

A TOTAL LENGTH OF 1.699 MILES — CONTRACT No. S.T. 53-7

AND FOR RECONSTRUCTING A PORTION OF

SOUTH SCHENECTADY - MARIAVILLE STATE HIGHWAY No. 788
Between Station 0+00 and Station 22+14, a length of 0.477 mile (including intersection) in the Town of Rotterdam, Schenectady County

SCHENECTADY - DUANESBURG, PART 1, STATE HIGHWAY No. 880
Between Station 0+90 and Station 29+31.39, Station 0+12 and 4+65.87, a length of 0.868 mile (including turnaround, intersection, and relocation of Burdeck Street) in the Town of Rotterdam, Schenectady County

SCHENECTADY - GUILDERLAND STATE HIGHWAY No. 577
Between Station 2+50 and Station 23+00, a length of 0.388 mile in the Town of Rotterdam, Schenectady County

A TOTAL LENGTH OF 1.733 MILES — CONTRACT No. R.C. 53-19

A TOTAL COMBINED LENGTH OF 9.974 MILES

157 SHEETS

SCHENECTADY and ALBANY COUNTIES

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			1	157
MOHAWK SECTION, SUB DIVISION 1					

TYPE OF CONSTRUCTION
Cement Concrete Pavement 7.827 Miles
Top Course Bituminous Macadam Type 1 0.473 Mile
Asphalt Concrete, Type 1A, Opt. 1.514 Miles
Miscellaneous Work 0.060 Mile
Including
H'way. Gr. Sep. Struct. (Gordon Road), I-Beam (Alpha), 4 Spans, 1 @ 42' 0", 1 @ 54' 8" and 2 @ 67' 11¾"
H'way. Gr. Sep. Struct. (Putnam Road), I-Beam (Alpha), 4 Spans, 1 @ 34' 0⅝" and 3 @ 59' 11⅝"
H'way. Gr. Sep. Struct. (S.H. 788), I-Beam (Alpha), 4 Spans, 1 @ 46' 11¼", 1 @ 40' 10½" and 2 @ 65' 5⅛"
H'way. Gr. Sep. Struct. (S.H. 880), I-Beam (Alpha), 4 Spans, 2 @ 60' 8 7/16" and 2 @ 57' 6⅛"
H'way. Gr. Sep. Struct. (Dunnsville Road), I-Beam (Alpha), 4 Spans, 2 @ 44' 2½" and 2 @ 64' 2¾"
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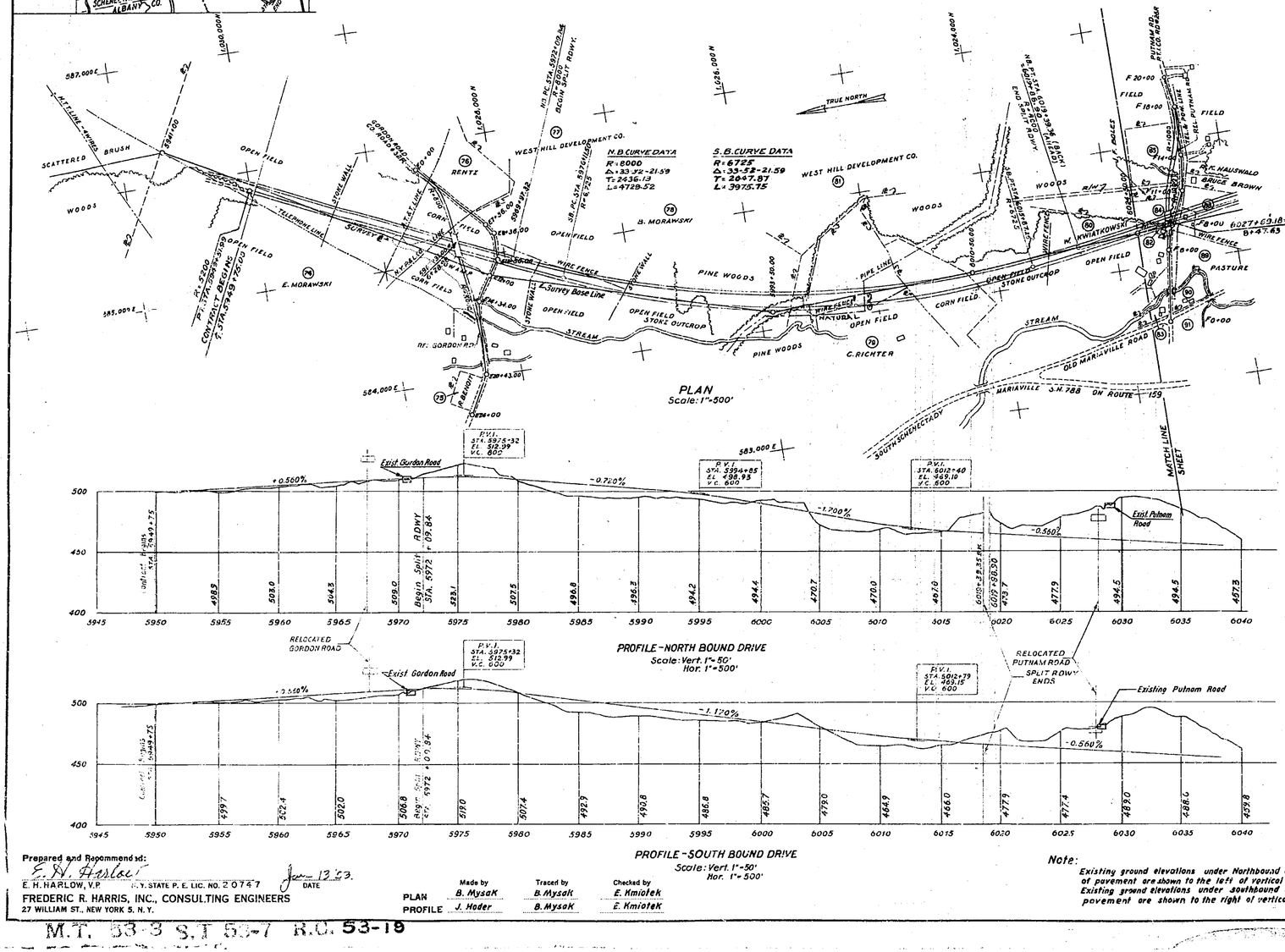
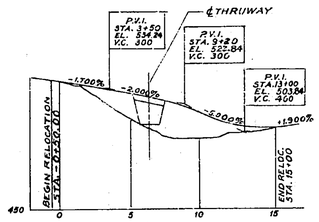
Bridge (Poentic Kill), Twin Closed Box, 2 Spans @ 12' 0" each

STANDARD STRUCTURE SHEETS
39-9, 40-101R, 40-103R, 46-4, 47-36, 47-37, 49-65, 49-7, 50-1R, 50-34, 51-3, 51-11R, 51-11W, 51-20, 51-21, 51-27, 51-40, 52-17A, 52-17B, 52-17C, 52-17D, 52-42, 52-43

All work contemplated under this contract to be covered by and in conformity with the specifications adopted January 2, 1951, except as modified on these plans and in the Itemized Proposal.





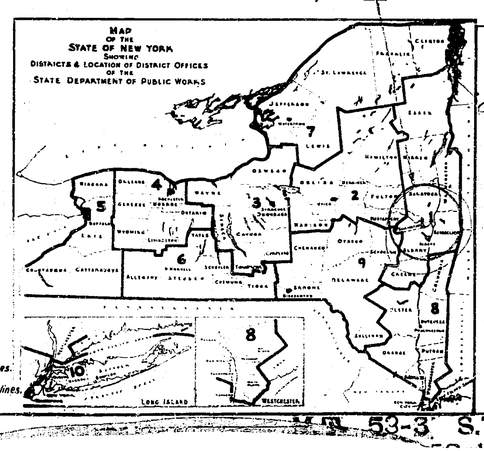
PROFILE
RELOCATED GORDON ROAD CO. RD. NO. 32R
Scale: Vert. 1"=50'
Hor. 1"=500'

Prepared and Recommended:
E. H. HARLOW, V.P. — N.Y. STATE P. E. LIC. NO. 20747 — DATE Jan. 13 53.
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

	Made by	Traced by	Checked by
PLAN	B. Mysak	B. Mysak	E. Kmiotek
PROFILE	J. Hoder	B. Mysak	E. Kmiotek

Note:
Existing ground elevations under Northbound edge of pavement are shown to the left of vertical dimension lines. Existing ground elevations under southbound edge of pavement are shown to the right of vertical dimension lines.

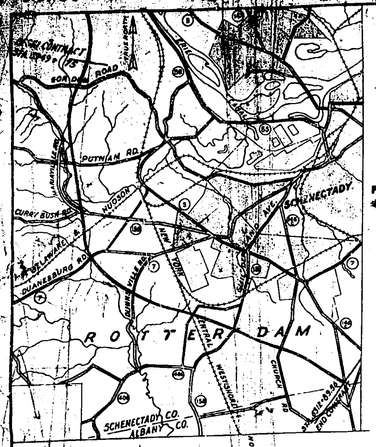
Location of Contract



NEW YORK STATE DEPT. OF PUBLIC WORKS
DIVISION OF CONSTRUCTION
RECOMMENDED
G. L. NICKERSON — DISTRICT ENGINEER, DIST. — DATE 1-24-1953
APPROVED
E. T. GAWKINS — DEPUTY CHIEF ENGINEER — DATE 1-30-53
E. W. WENDELL — DEPUTY CHIEF ENGINEER — DATE 1-31-53
J. B. MC. MORRAN — CHIEF ENGINEER — DATE 1-31-53
APPROVED
NEW YORK STATE THRUWAY AUTHORITY
B. D. TALLAMY
CHAIRMAN
BY C. H. Lang — DATE 2/2/53
C. H. LANG, DEPUTY CHIEF ENGINEER

M.T. 53-3 S.T 53-7 R.C. 53-19

M.T. 53-3 S.T. 53-7 R.C. 53-19



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A TOTAL LENGTH OF 6.542 MILES — CONTRACT No. M.T. 53-3

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157 SHEETS

SCHENECTADY and ALBANY COUNTIES

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			1	157

MOHAWK SECTION, SUB DIVISION 1

TYPE OF CONSTRUCTION

Cement Concrete Pavement 7.827 Miles
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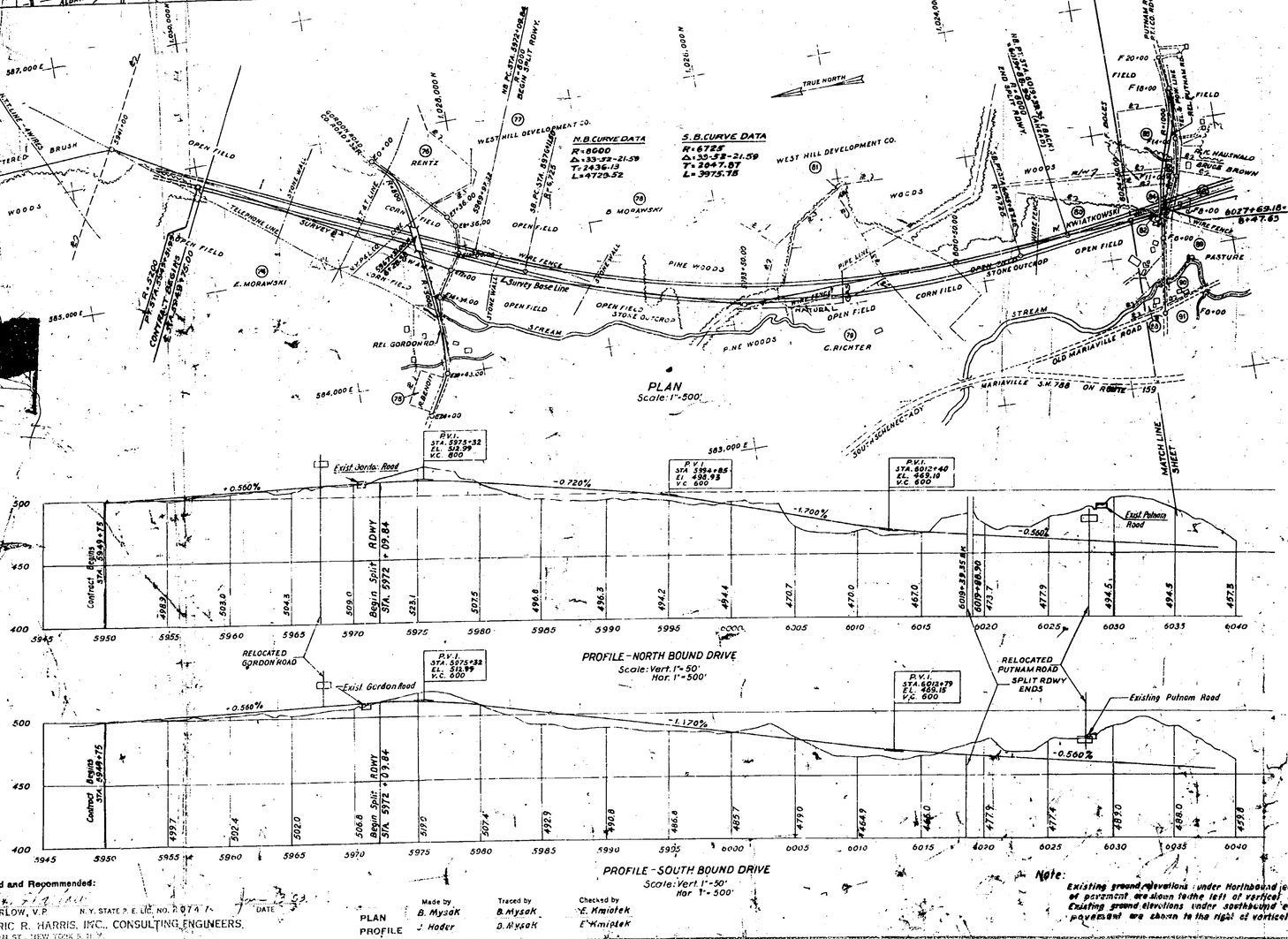
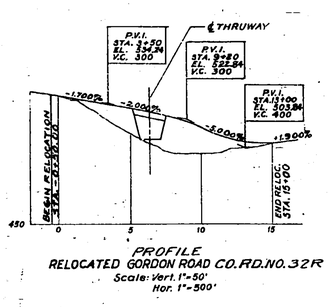
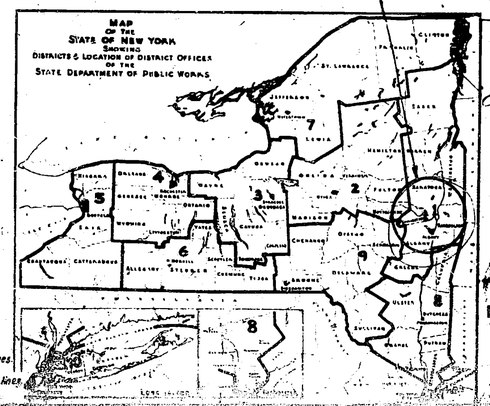




PROFILE
RELOCATED GORDON ROAD CO. RD. NO. 32R
Scale: Vert. 1"=50'
Hor. 1"=500'

For Table of Measured Lengths & List of Materials Used, see Reverse side of this Sheet.

Location of Contract



NEW YORK STATE DEPT. OF PUBLIC WORKS
DIVISION OF CONSTRUCTION
RECOMMENDED
G.L. NICKERSON, DISTRICT ENGINEER, DIST. — DATE 1/26/53
APPROVED
E.T. GAWKINS, DEPUTY CHIEF ENGINEER — DATE 1/26/53
E.W. WENDELL, DEPUTY CHIEF ENGINEER — DATE 1/27/53
J.B. MC. MORRAN, CHIEF ENGINEER — DATE
APPROVED
NEW YORK STATE THRUWAY AUTHORITY
B.D. TALLAMY, CHAIRMAN
BY C.H. Lang — DATE 2/4/53
C.H. LANG, DEPUTY CHIEF ENGINEER

Prepared and Recommended:
E.R. HARLOW, V.P. — N.Y. STATE P.E. LIC. NO. 20741 — DATE 1/26/53
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS.
29 BROADWAY, NEW YORK 6, N.Y.

	Made by	Traced by	Checked by
PLAN	B. Mysak	B. Mysak	E. Kmiotek
PROFILE	J. Hoder	B. Mysak	E. Kmiotek

Note: Existing ground elevations under Northbound edge of pavement are shown to the left of vertical dimension lines. Existing ground elevations under southbound edge of pavement are shown to the right of vertical dimension lines.

M.T. 53-3 S.T. 53-7 R.C. 53-19

MT 53-3
1T

HIGHWAY NAME AND NUMBER

	TYPE	THICKNESS
MT 53-3 NEW YORK STATE THRUWAY (GORDON ROAD ~ ALBANY CO. LINE SUB 1-1 & 2	REINF. CONC.	9"
ST 53-7 RECONSTRUCTION OF COUNTY ROADS & INTERSECTIONS	BIT. MAC. ASPH. CONC.	2½" 2½"
RC 53-19 RECONSTRUCTION OF STATE HIGHWAYS	CEM. CONC.	8" & 9"
MT 53-3 Pavement width 2@ 25' and varies Width Roadway		117' and varies
ST 53-7 Pavement width 18, 20 Width Roadway		28, 30, 32
RC 53-19 Pavement width 22, 24 Width Roadway		38, 42

MEASURED LENGTHS

	Square Yards Pav't	Hor. Plan Length L.F.	Mi.	Hor. Final Length L.F.	Mi.	Final Slope Length		Town
MT 53-3 Road	193,414	34,535.32	6.540	34,540.58	6.541	34,541.17	6.541	Rotterdam
Bridge	29	10.56	0.002	10.56	0.002	10.56	0.002	Guilderland
Total MT 53-3	193,443	34,545.88	6.542	34,551.14	6.543	34,551.73	6.543	
ST 53-7	23,153	8,964.87	1.669	9,026.38	1.709	9,083.57	1.710	Rotterdam
RC 53-19	19,107	9,152.20	1.733	9,135.53	1.730	9,140.53	1.730	Guilderland
Total Contract	235,703	52,662.95	9.974	52,713.05	9.982	52,725.73	9.986	

MATERIALS

MATERIAL	SUPPLIER		TEST NO.
Sand	Cushing Stone	Scotia, N.Y.	51-F-12
Stone	Cushing Stone	Scotia, N.Y.	51-G-58, & 51-R-34
Cement Portland	Universal Atlas	Hudson, N.Y.	—
Cement A.S.T.M.	Atlas Cement Co.	Universal, Pa.	—
Cement Natural	Waite Assoc. Inc.	Rosendale, N.Y.	—
Concrete Sewer Pipe	Northern Concrete Pipe Co.	Scotia, N.Y.	
Concrete Culvert Pipe	Capital Concrete Products Co.	Scotia, N.Y.	
Corrugated Metal Pipe	Armco Drain & Metal Prod.	Baltimore, Md.	
Misc. Metals	Walton East Branch Foundry	Walton, N.Y.	
Bar Reinforcement	Truscon Steel	Johnston, Pa.	
Structural Steel	Ernst Construction Corp.	Buffalo N.Y.	
Piling	Armco Drain & Metal Prod.	Middletown, Ohio	
Metal Railing	Metro - Morey Inc.	Dedham, Mass.	
Beam Type Guide Rail	Bethlehem Steel	Johnston, Pa.	

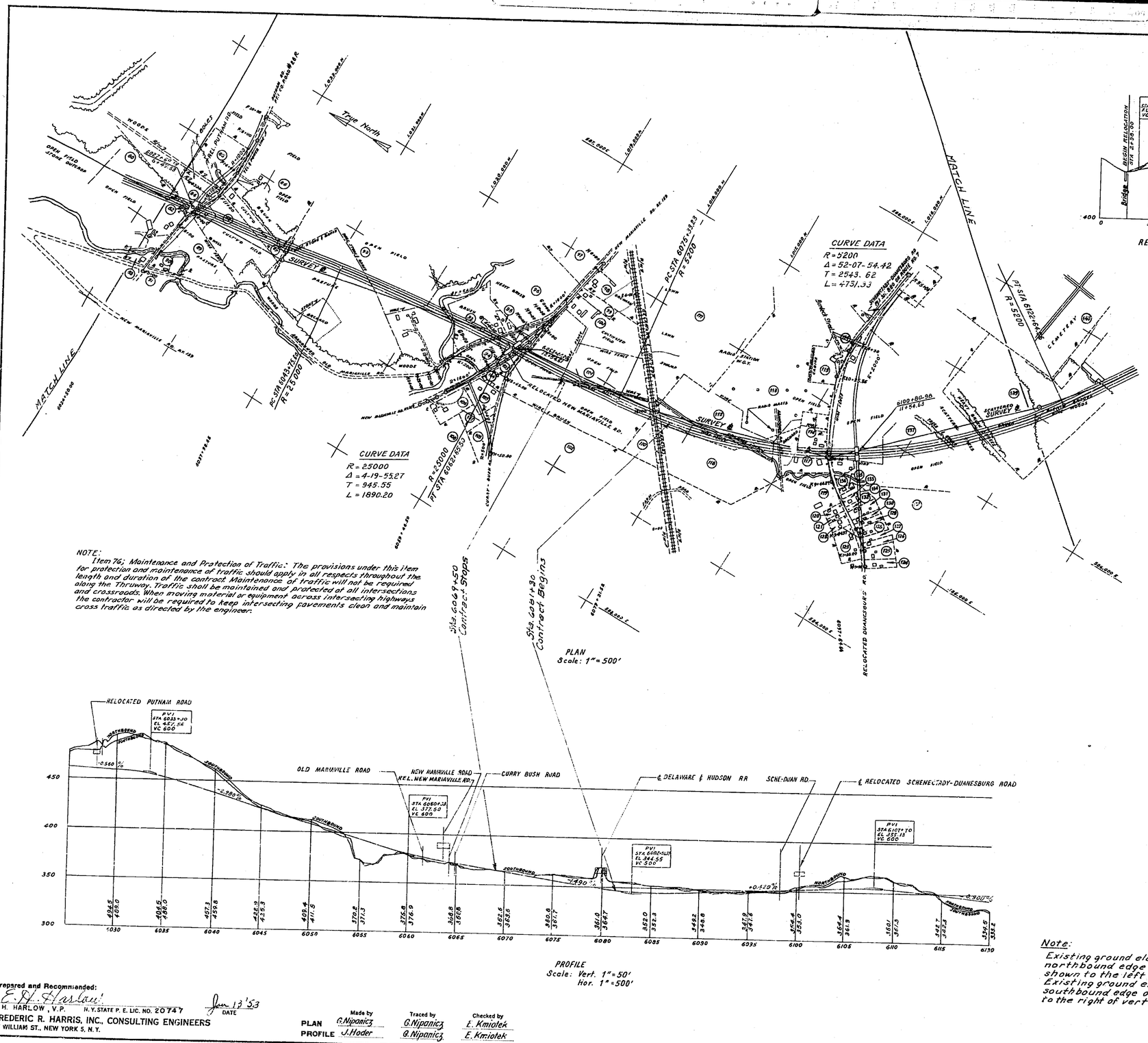
MATERIAL	SOURCE		TEST NO.
Steel Fabric Reinforcement	American Steel & Wire Co.	Donora, Pa.	
Spirol Bar Shear Conn.	Eastern Constructors	Poland, Ohio	
Trans. Joint Supports	Bethlehem Steel Co.		
Long. Joint Supports	Acme Co.	Buffalo, N.Y.	
Gravel Found. Course	Alexon Pit Rt. # 158	Altamont, N.Y.	
R.O.B. Gravel	Engroll Pit Dunnsville Rd.	Schenectady, N.Y.	
Calcium Chloride	Solvay Process	Solvay, N.Y.	
Fencing	American Steel & Wire	Cleveland, Ohio	
Asphalt	Socony - Vacuum Co.	Albany, N.Y.	
Curing Oil (Pav't)	Gorman Bros.	Troy, N.Y.	
Curing Oil	Socony - Vacuum Co.	Albany, N.Y.	Salvasol 5 Ruberoy 120
Water-proofing	Cities Service	Albany, N.Y.	
Asphalt Filler	Socony - Mobile Oil Co.	Perth Amboy, N.J.	
Asphalt Concrete	Cushing Stone Co.	Scotia, N.Y.	
Seed	Whitney Seed Co.	Buffalo, N.Y.	

Contract Dated	March 27, 1953
Contract Started	April 6, 1953
Contract Completed	July 14, 1955
Contract Accepted	July 25 1955
Contractor	Arcole Midwest Corporation 3225 Main St. Evanston, Ill.
District Engineer	G.L. Nickerson and/or N.F. Ronan
Engineer in Charge	Frederic R. Harris Inc.
Res. Engr.	Haimbach % Ballestero
State Engr.	H. Williams
Record Plan made by	Ballestero
Record Plan checked by	Frederic R. Harris

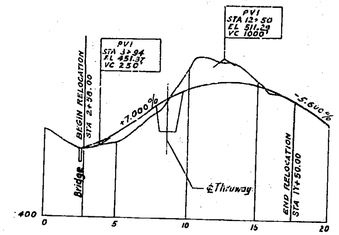
Approved
G L Nickerson
Dist. Engr.

M.T. 53-3 S.T. 53-7 R.C. 53-18

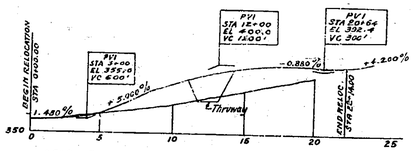
	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			2	157
MOHAWK SECTION, SUB DIVISION 1					



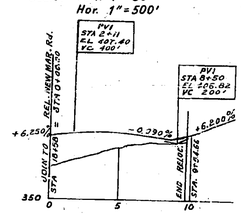
PROFILE
Scale: Vert. 1"=50'
Hor. 1"=500'



RELOCATED PUTNAM ROAD PROFILE
Scale: Vert. 1"=50'
Hor. 1"=500'



RELOCATED NEW MARIAVILLE ROAD PROFILE
Scale: Vert. 1"=50'
Hor. 1"=500'



RELOCATED CURRYBUSH ROAD PROFILE
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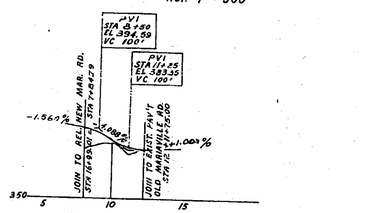
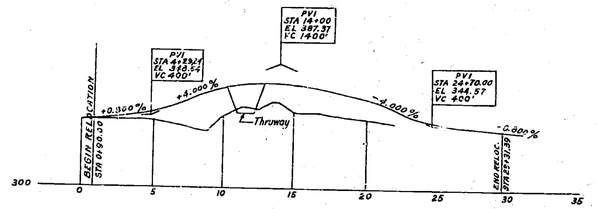


RELOCATED OLD MARIAVILLE ROAD PROFILE
Scale: Ver. 1"=50'
Hor. 1"=500'



RELOCATED DUANESBURG ROAD PROFILE
Scale: Ver. 1"=50'
Hor. 1"=500'

NOTE:
Item 76; Maintenance and Protection of Traffic: The provisions under this item for protection and maintenance of traffic should apply in all respects throughout the length and duration of the contract. Maintenance of traffic will not be required along the Thruway. Traffic shall be maintained and protected at all intersections and crossroads. When moving material or equipment across intersecting highways the contractor will be required to keep intersecting pavements clean and maintain cross traffic as directed by the engineer.

LIST OF PROPERTY OWNERS

NO.	NAME	NO.	NAME
80	W. KWIATKOWSKI	111	GENERAL ELECTRIC
82	J. KWIATKOWSKI	112	A.R. LUCAS - LEASED BY G.E.
83	L. MATULA	113	A.R. LUCAS - LEASED BY G.E.
84	A.P. MATULA	114	WASSON RSE. EXEC. CORA SEARGENT
85	BRUCE BROWN	115	CLARENCE JEWETT
86	R.K. HAUSWALD	116	HARRY WILTY
87	BRUCE BROWN	117	A.R. LUCAS
88	A.P. MATULA	118	A.R. LUCAS
89	P. VAN ETTAN	119	E. LEWIS
90	J.K. ALFREE	120	ZIELER
91	AGNES MATULA	121	RENYA
92	ANTHONY DE MEO	122	W.G. TROWBRIDGE
93	HARRY T. SMITH	123	JAMES EVANS
94	RUDOLPH FEUZ	124	B.J. WALDRON
95	WALT FLOWERS	125	M.B. WALDRON
96	THOMAS FLYNN	126	FRED COLEMAN
97	VANBUREN	127	R/W FUTURE STREET
98	W.R. STERIA	128	D. CONRAD
99	JENNIE VEEDER	129	J. KEATING
100	CLARENCE VAN VALKENBURG	130	E. BUDNEY
101	CLARENCE VAN VALKENBURG	131	R. COLE MAN
102	KELLY	132	R/W FUTURE STREET
103	RUDOLPH FEUZ	133	R. LEGERE
104	ROBERT CRAFT	134	B.J. WALDRON
105	THOMAS MONTY	135	D.N. STRYKER
106	FORD	136	A.R. LUCAS
107	M. HULLETT	137	A.R. LUCAS
108	BLAKE VOGEL	138	LELAND E. COOK
109	RUDOLPH FEUZ	139	J. STANEK
110	DELAWARE & HUDSON	140	CEMETERY

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Prepared and Recommended:
E. H. HARLOW, V.P. N.Y. STATE P. E. LIC. NO. 20747
Jan 13 '53 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

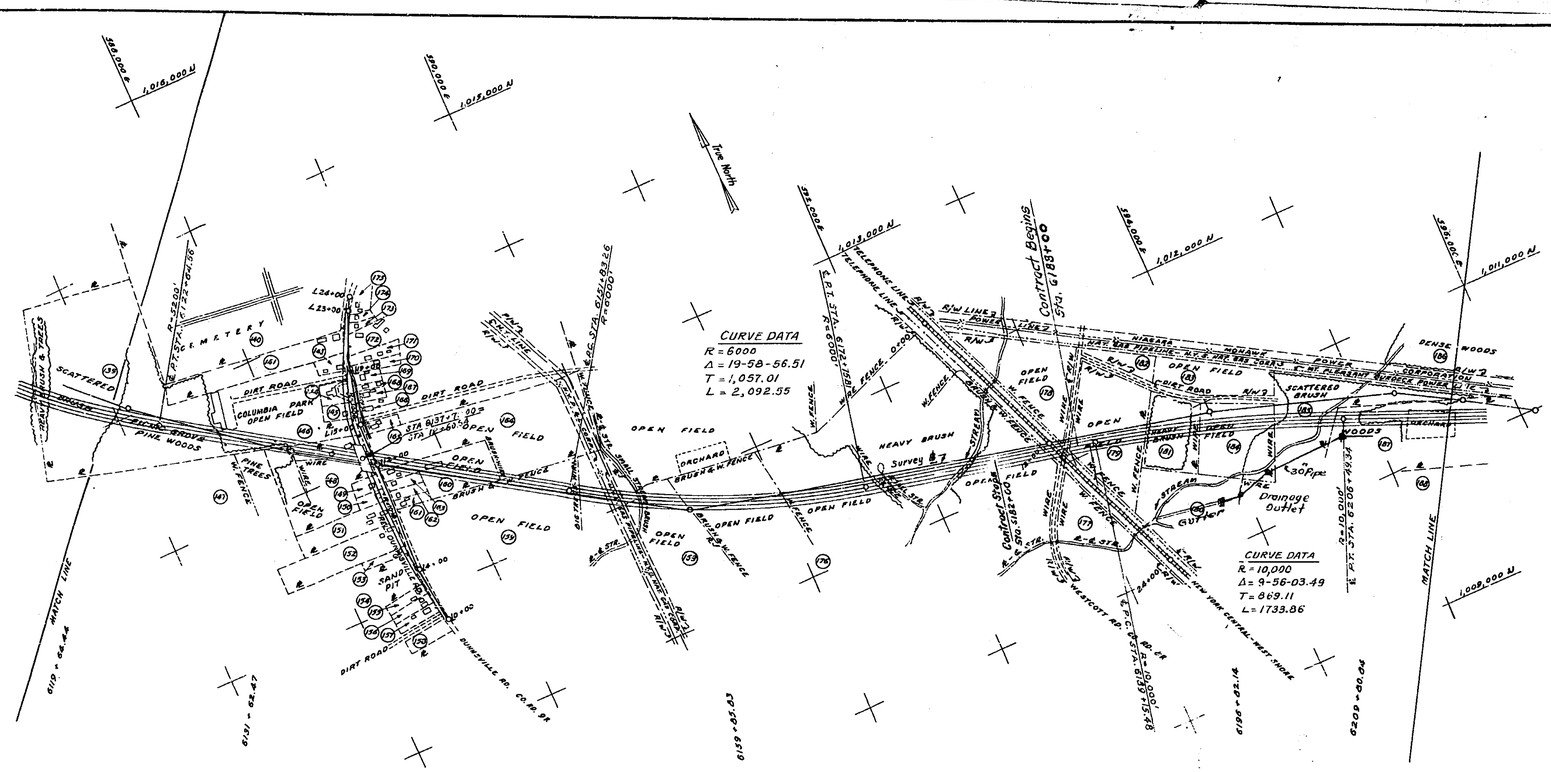
	Made by	Traced by	Checked by
PLAN	G. Nipanicz	G. Nipanicz	E. Kmiotek
PROFILE	J. Hoder	G. Nipanicz	E. Kmiotek

Prepared Pursuant to the Highway Law and Recommended by

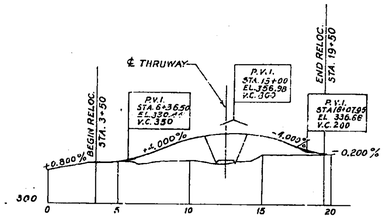
Engineer Dist. No.
195

M.T. 53-3 S.T 53-7 R.C. 53-19

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			3	157
MOHAWK SECTION, SUB DIVISION 1					



PLAN
Scale: 1" = 100'



RELOCATED DUNNSVILLE ROAD – PROFILE
Scale: Vert. 1" = 50'
Hor. 1" = 500'

PROFILE
Scale: Hor. 1" = 300'
Vert. 1" = 50'

LIST OF PROPERTY OWNERS

NO.	NAME	NO.	NAME
139	J. STANEK	164	DOMINIC CARUSO
140	CEMETERY	165	C. HAVERLY
141	CHESTER KOWOBUS	166	R. ROMANO
143	P. VAN ETTEN	167	E. BYSTER
144	E.M. JORGENSEN	168	J. FORGACS
145	N. OLSON	169	A. VILLANO
145	J. STANEK	170	J. GOODROW
147	ROY WAGONER	171	F.A. SQUIRES
148	N. CONSER	172	A.A. DELMORO
149	C. WALSH	173	O. JORGENSEN
150	W.H. CONSER	174	R.H. BERG
151	C.H. QUAY	175	E.V. URBAN
152	W. QUAY	176	VICTOR OLOCHNOWICZ
153	E. HOUGHTON	177	VICTOR OLOCHNOWICZ
154	ROY WAGONER	178	BAKER
155	R. LOEBER	179	BAKER
156	W.E. WILKIE	180	BAKER
157	J. LEWIS	181	HIGGINS
158	L. GIOVANNONE	182	V.C. TOMPKINS
159	G. BECKER	183	MABEL GILLESPIE
160	JOHN KACINSKI	184	GUS OTTATI
161	E.C. MATTHEWS	185	HIGGINS
162	V. VILLANO	186	ARTHUR G. GRUPPE
163	V. JACKOWSKI	187	DISBROW
		188	ELIZ. GANAOS

Note:
Existing ground elevations under north bound edge of pavement are shown to the left of vertical dimension lines. Existing ground elevations under southbound edge of pavement are shown to the right of vertical dimension lines.

Prepared and Recommended:
E. H. Harlow 20747
E. H. HARLOW, V.P. N.Y. STATE P. E. LIC. NO. 20747 DATE Jan 13 '59
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

	Made by	Traced by	Checked by
PLAN	B. Kirsch	B. Kirsch	E. Kmiotek
PROFILE	J. Hader	B. Kirsch	E. Kmiotek

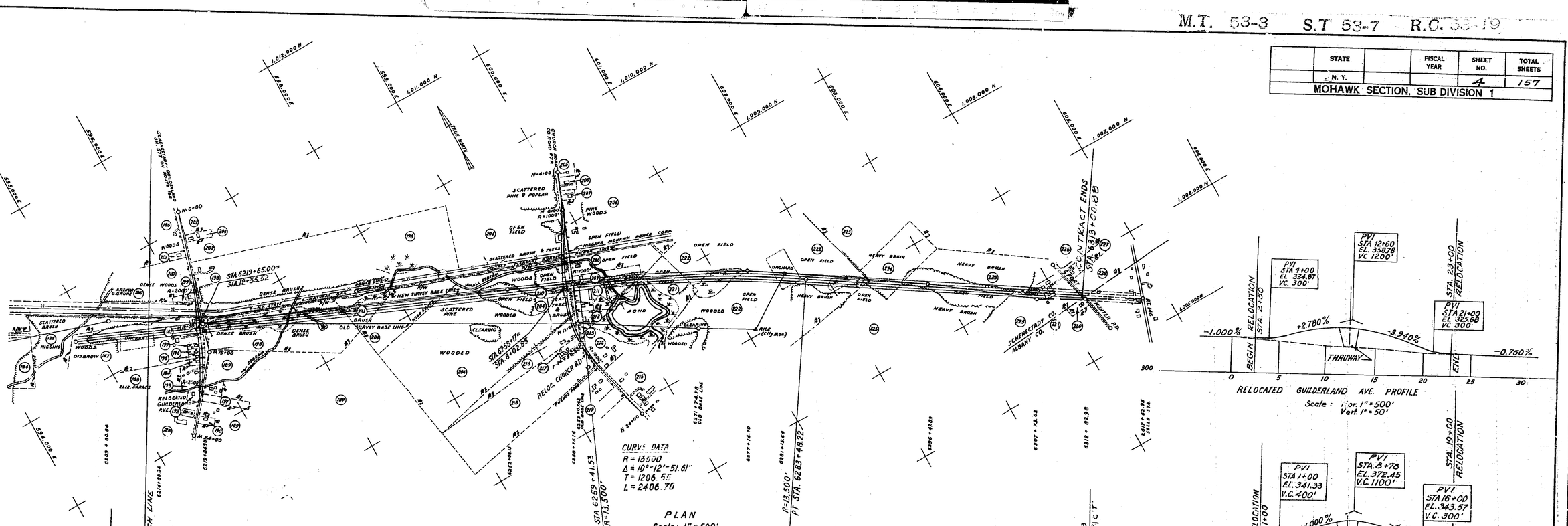
Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No.

195

M.T. 53-3 S.T 53-7 R.C. 53-19

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			4	157
MOHAWK SECTION, SUB DIVISION 1					



No.	Owners Name	No.	Owners Name
186	Arthur G. Grupe	209	T. Smiarowski
187	Disbrow	210	S. Kwiatkowski
188	Eliz. Sakacs	211	F.M. Empie
189	A. Levandoski	212	D. Giovannangelo
190	J.L. Geddes	213	B. Giovannangelo
191	C. Gorochi	214	Suppe & Mac Donald
192	E.W. Sakacs	215	Dewitt Holstein
193	Ed. Boehm	216	C.A. Hluth
194	John Sakacs	217	T. Jess
195	W.C. Smith	218	F.C. Borowski
196	J.H. Van Wormer	219	Geo. & Harwey Weaver
197	W.M. Bandan		
198	Myra Reynolds Estate	221	Mac Donald
199	John Berington	222	Ben Rucholski
200	Frank Bradey	223	Blackstone & Ferrente
201	Alex Harper	224	G. Blackstone
202	Paul Knittel	225	A. Rosin
203	William Wilt	226	Clark
204	C.A. Losko	227	D.E. Shade
205	Habel	228	V. Trichini
206	Fritz Lobrecht		
207	Geo. Sokol	230	E.S. Flansburg Oil Co.
208	E. Di Ruscio	231	Chas. Miller
		232	Adams

Note:
Existing ground elevations under northbound edge of pavement are shown to the left of vertical dimension lines.
Existing ground elevations under southbound edge of pavement are shown to the right of vertical dimension lines.

Prepared and Recommended:
E.H. HARLOW, V.P. N.Y. STATE P. E. LIC. NO. 20747 DATE Jan 13 '53
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

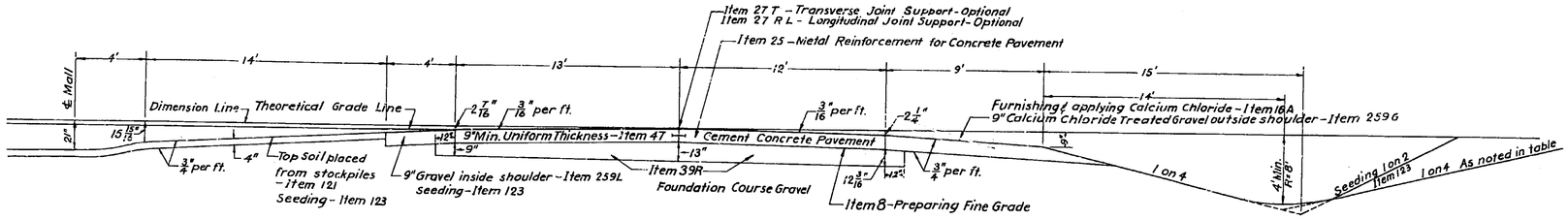
	Made by	Traced by	Checked by
PLAN	P. Klecan	G. Nipanicz	E. Kmiotek
PROFILE	P. Klecan	G. Nipanicz	E. Kmiotek

Prepared Pursuant to the Highway Law and Recommended by

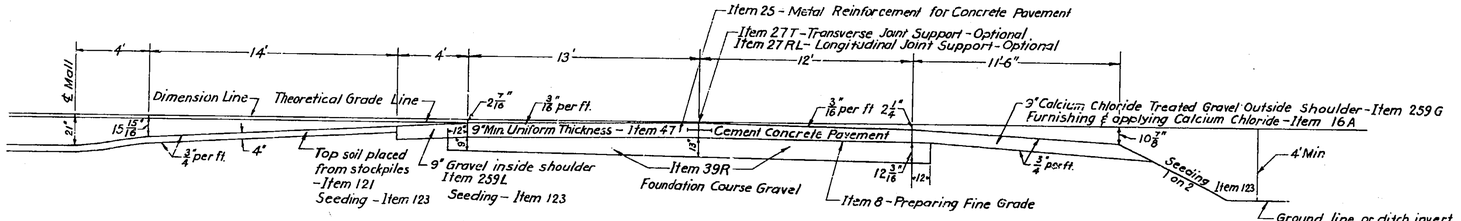
Engineer Dist. No.
195

M.T. 53-3 S.T 53-7 R.C. 53-19

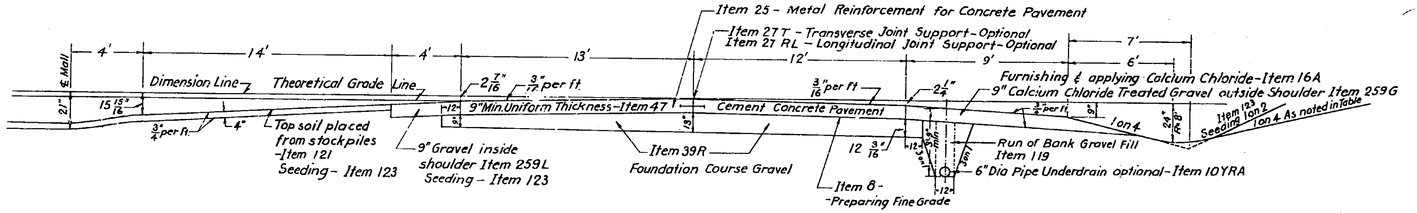
	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			5	157
MOHAWK SECTION, SUB DIVISION 1					



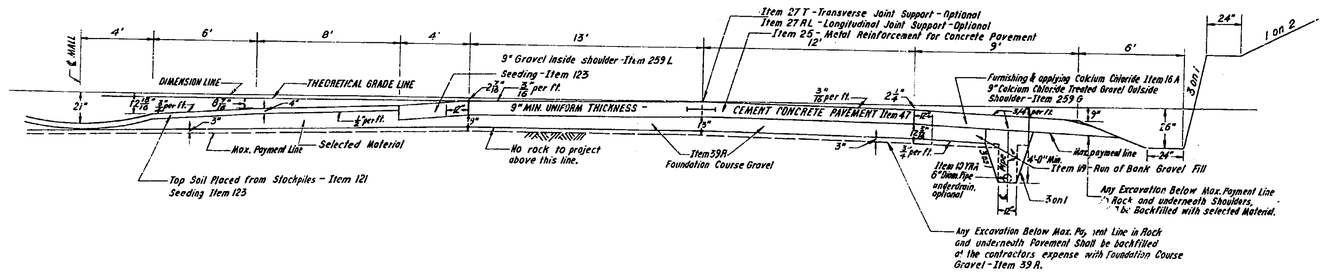
TYPICAL SECTION - CUT (TYPE A)
Scale: 1/4" = 1'-0"



TYPICAL SECTION - FILL (TYPE B)
Scale: 1/4" = 1'-0"



TYPICAL SECTION - CUT (TYPE C)
Scale: 1/4" = 1'-0"



TYPICAL SECTION - CUT (TYPE D)
Scale: 1/4" = 1'-0"

TABLE OF TYPICAL SECTIONS

STATION 5949+75 TO 3312 +89.56

STATION TO STATION		LEFT OF CENTER LINE	RIGHT OF CENTER LINE	SIDE SLOPES CUT LEFT SIDE	SIDE SLOPES CUT RIGHT SIDE	MALL WIDTHS	DIST. ℄ MALL DITCH TO ℄ THRWY	REMARKS
UNIFORM MALL WIDTH								
5949+75	5950+46	B	A	—	2:1	42'	0	9' Shoulder on Lt.
5950+46	5951+47	A	A	4:1	2:1	↓	↓	
5951+47	5964+52	A	A	4:1	4:1			
5964+52	5970+64	A	B	4:1	—			
5970+64	5971+15	A	B	2:1	—			
5971+15	5972+10	A	A	2:1	4:1	44'	0	
NON UNIFORM MALL WIDTH								
5972+10	5976+75	G	E	2:1	4:1	44'-57'	22'-25'	Stationing referred to S.B. reference line
5976+75	5978+77	G	E	4:1	4:1	57'-66'	25'-34'	
5575+77	5980+78	L	J	4:1	4:1	66'-74'	34	
5980+78	5981+28	M	J	—	4:1	74'-76'	↓	
5981+28	5992+29	M	K	—	—	76'-104'		
5992+29	5998+74	L	K	4:1	—	104'		
5998+74	5999+75	L	K	2:1	—	104'		
5999+75	6002+26	L	J	2:1	4:1	104'-100'		
6002+26	6004+77	L	J	4:1	4:1	100'-95'		
6004+77	6006+75	M	J	—	4:1	95'-90'		
6006+75	6009+74	M	K	—	—	90'-80'		
6009+74	6011+28	L	K	4:1	—	80'-75'		11'-6" Shoulder on Lt.
6011+28	6012+78	M	K	—	—	75'-68'		
6012+78	6013+28	L	K	4:1	—	68'-67'		11'-6" Shoulder on Lt.
6013+28	6013+79	M	K	—	—	67'		
6013+79	6014+29	L	K	4:1	—	67'-63'	34'	
6014+29	6015+29	G	F	4:1	—	63'-59'	34'-25'	
6015+29	6019+89	G	E	2:1	4:1	59'-44'	25'-22'	
UNIFORM MALL WIDTH								
6019+89	6027+85	A	A	2:1	4:1	44'	0'	
6027+85	6040+20	A	A	2:1	2:1	↓	↓	
6040+20	6044+21	A	A	4:1	2:1			
6044+21	6054+24	A	A	4:1	4:1			
6054+24	6058+26	B	B	—	—			
6058+26	6059+27	B	A	—	4:1			
6059+27	6061+75	A	A	4:1	4:1			
6061+75	6062+25	B	A	—	4:1			
6062+25	6066+83	A	A	4:1	4:1			
6066+83	6068+00	C	A	2:1	4:1			
6068+00	6069+00	C	N	2:1	2:1			
*6189+00	6208+92	B	B					
6082+00	6084+35	C	N	2:1	2:1			
6084+35	6086+85	A	O	2:1	2:1			
6086+85	6096+92	A	O	4:1	2:1			
6096+92	6104+91	A	A	4:1	4:1			
6104+91	6106+92	A	A	2:1	4:1			
6106+92	6109+92	A	A	2:1	2:1			
6109+92	6114+41	A	A	4:1	4:1			
6114+41	6114+92	B	A	—	4:1			
6114+92	6130+06	B	B	—	—			
6130+06	6130+57	B	A	—	4:1			
6130+57	6152+55	A	A	4:1	4:1			
6152+55	6153+05	B	A	—	4:1			
6153+05	6158+55	B	B	—	—			
6158+55	6159+05	A	B	4:1	—			
6159+05	6165+98	A	A	4:1	4:1			
6165+98	6167+50	B	A	—	4:1			
6167+50	6181+00	B	B	—	—			
*6205+92	6206+40	B	P	—	2:1			
6206+40	6229+70	A	P	4:1	2:1			
6229+70	6232+20	B	P	—	2:1			
6232+20	6238+70	A	P	4:1	2:1			
6238+70	6240+20	B	P	—	2:1			
6240+20	6254+19	A	P	4:1	2:1			
6254+19	6257+18	B	P	—	2:1			
6257+18	6261+20	A	P	4:1	2:1			
6261+20	6268+69	B	P	—	2:1			
6268+69	6280+13	A	P	4:1	2:1			
6280+13	6283+63	A	P	2:1	2:1			
6283+63	6292+11	A	P	4:1	2:1			
6292+11	6300+10	B	P	—	2:1			
6300+10	6301+20	B	B	—	—			
6301+20	6302+10	C	B	2:1	—			
6302+10	6303+72	C	A	2:1	4:1			
6303+72	6308+00	C	C	2:1	2:1			
6308+00	6312+89.56	A	A	4:1	4:1	44'	0'	

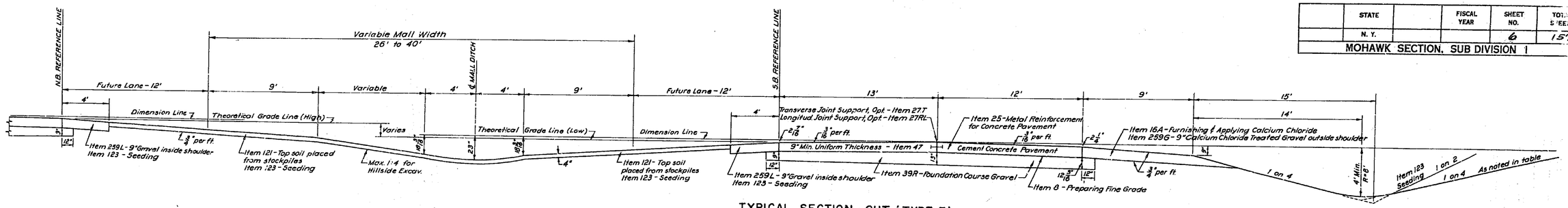
Prepared and Recommended:
E. H. HARLOW
E. H. HARLOW, V. P. N.Y. STATE P. E. LIC. NO. 20747 DATE Jun 13 '58
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

PLAN Made by A. Manfredi Traced by V. Vinnikov Checked by E. Kmiotek
PROFILE

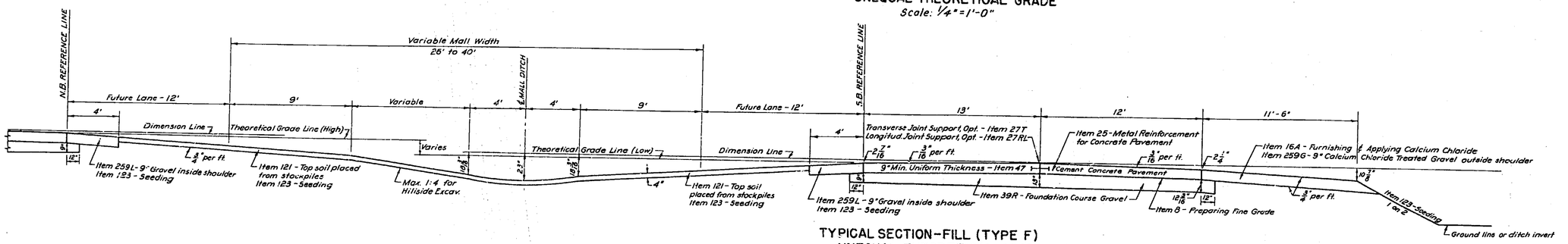
Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No.

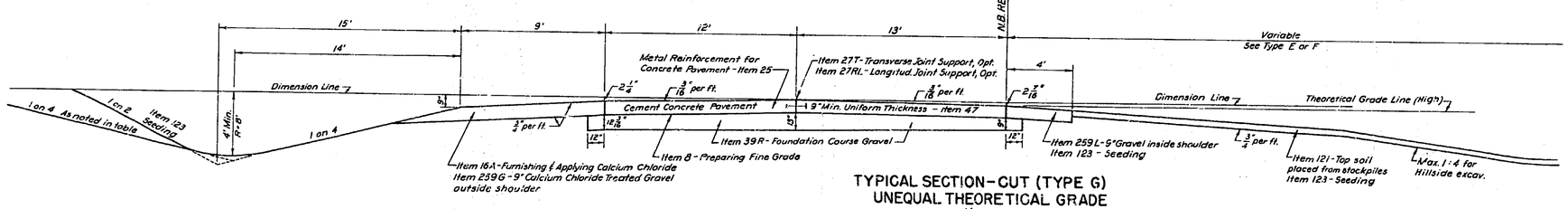
	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			6	157
MOHAWK SECTION, SUB DIVISION 1					



TYPICAL SECTION-CUT (TYPE E)
UNEQUAL THEORETICAL GRADE
Scale: 1/4"=1'-0"



TYPICAL SECTION-FILL (TYPE F)
UNEQUAL THEORETICAL GRADE
Scale: 1/4"=1'-0"



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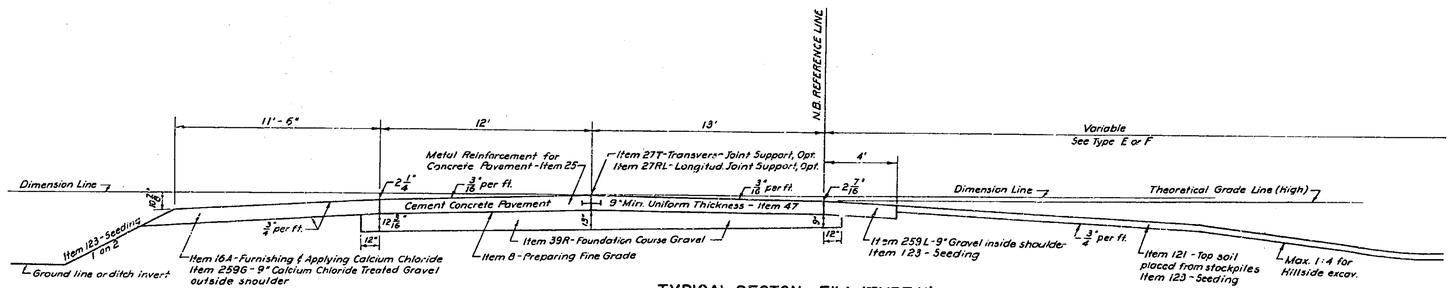
UNEQUAL THEORETICAL GRADE
Scale: 1/4"=1'-0"



TYPICAL SECTON-FILL (TYPE H)
UNEQUAL THEORETICAL GRADE
Scale: 1/4"=1'-0"

Prepared and Recommended:
E. N. Harlow
N. Y. STATE P. E. LIC. NO. 20747 DATE Jan. 13 '53
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N. Y.

PLAN Made by A. Manfredi Traced by B. Kysak Checked by E. Kmiotek
PROFILE

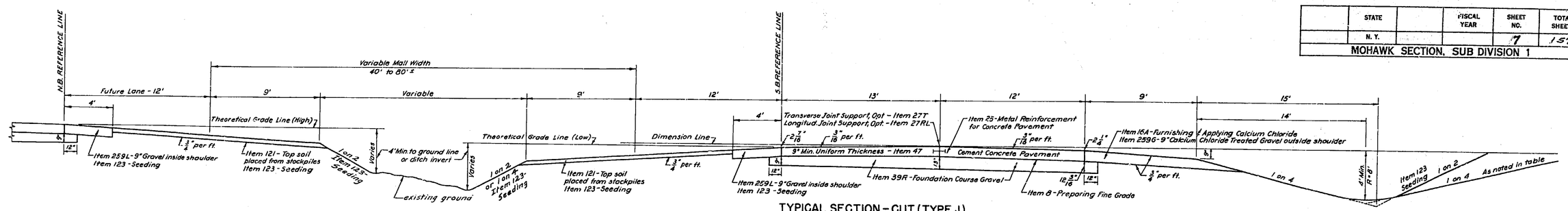
Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No.

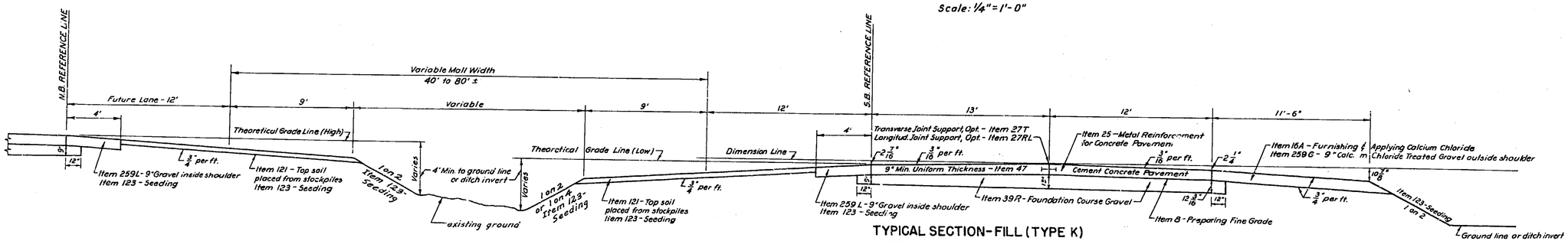
24:1

M.T. 53-3 S.T 53-7 R.C. 53-19

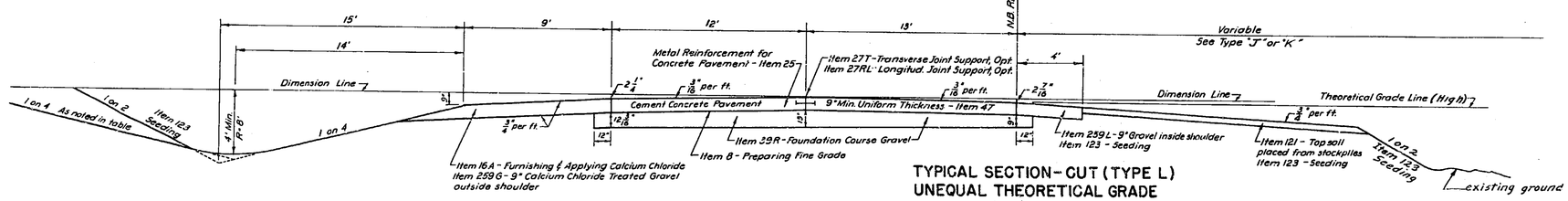
	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			7	157
MOHAWK SECTION, SUB DIVISION 1					



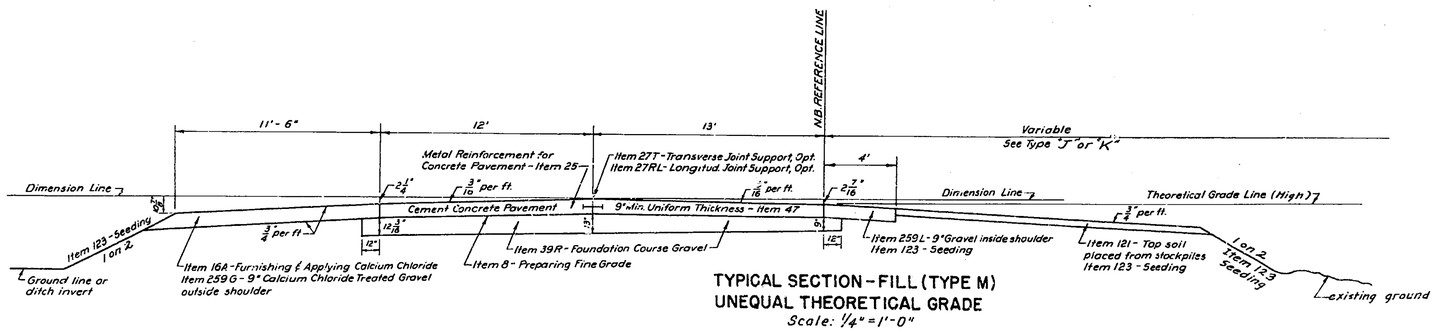
TYPICAL SECTION - CUT (TYPE J)
UNEQUAL THEORETICAL GRADE
Scale: 1/4" = 1'-0"



TYPICAL SECTION - FILL (TYPE K)
UNEQUAL THEORETICAL GRADE
Scale: 1/4" = 1'-0"



TYPICAL SECTION - CUT (TYPE L)
UNEQUAL THEORETICAL GRADE
Scale: 1/4" = 1'-0"



TYPICAL SECTION - FILL (TYPE M)
UNEQUAL THEORETICAL GRADE
Scale: 1/4" = 1'-0"

Prepared and Recommended:

E. N. Harlan — June 13 '53
N. Y. STATE P. E. LIC. NO. 20749 — DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N. Y.

PLAN
PROFILE

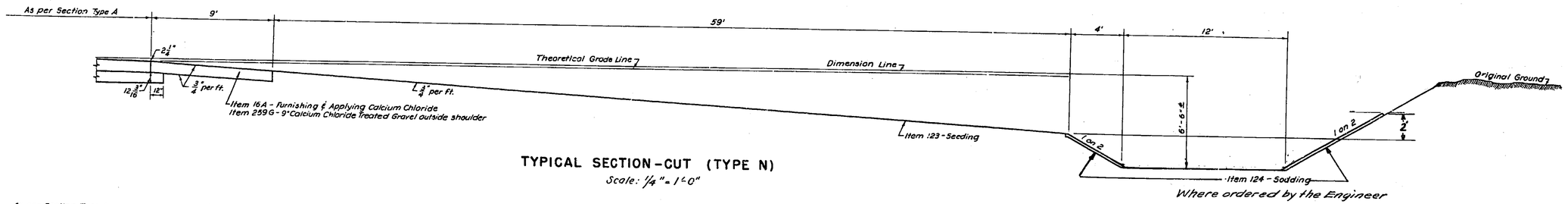
Made by A. Manfredi — Traced by B. Mysak — Checked by E. Kmiotek

Prepared Pursuant to the Highway Law and Recommended by

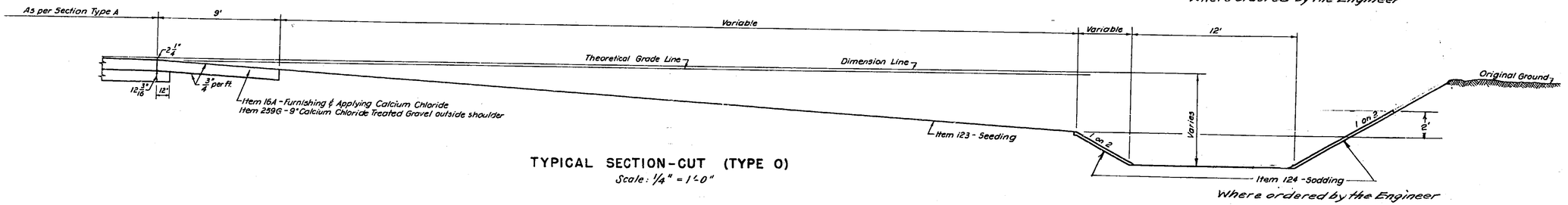
Engineer Dist. No. 195

481-3-104-53

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			8	157
MOHAWK SECTION, SUB DIVISION 1					



TYPICAL SECTION - CUT (TYPE N)
Scale: 1/4" = 1'-0"



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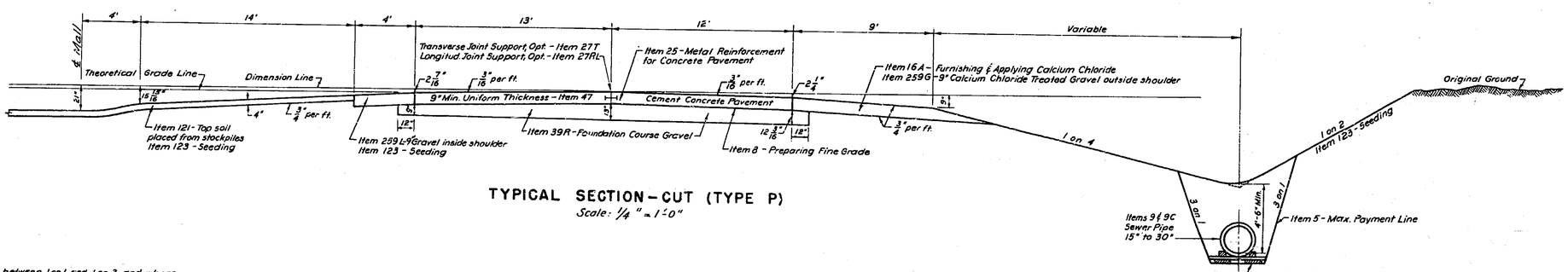
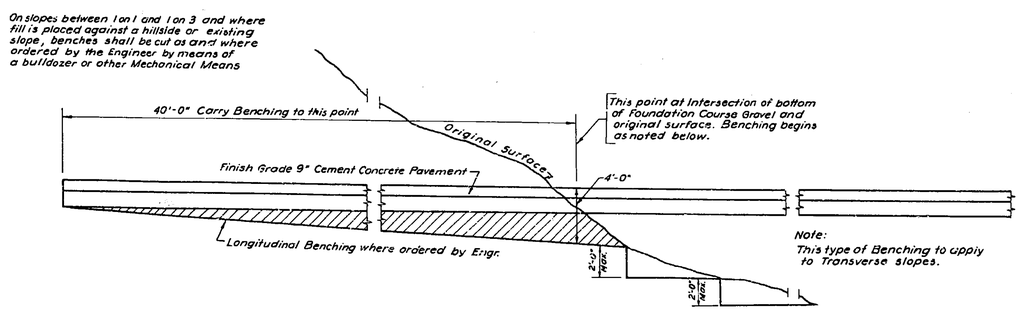
Scale: 1/4" = 1'-0"

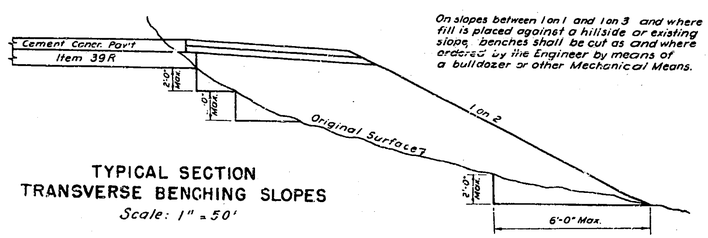


TYPICAL SECTION - CUT (TYPE P)
Scale: 1/4" = 1'-0"

Note — Item 1ST Timber Salvage Planking may be Sized A.O.B.E



TYPICAL SECTION
LONGITUDINAL BENCHING SLOPES
Not to scale



TYPICAL SECTION
TRANSVERSE BENCHING SLOPES
Scale: 1" = 5'-0"

Prepared and Recommended:
E. A. Harlow
N. Y. STATE P. E. LIC. NO. 29147
Jan 13 '53
DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

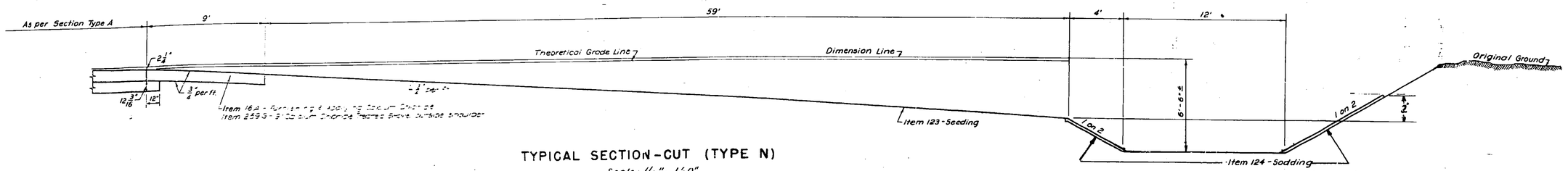
	Made by	Traced by	Checked by
PLAN	P. Klecan	B. Mysak	E. Jones
PROFILE			

Prepared Pursuant to the Highway Law and Recommended by

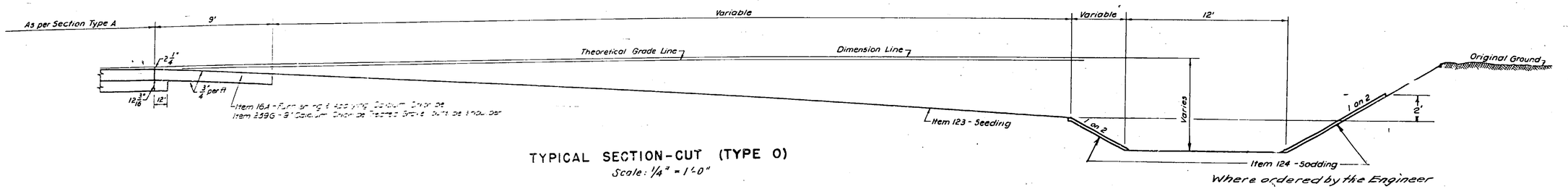
Engineer Dist. No.

STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
N. Y.			8	157
MOHAWK SECTION, SUB DIVISION 1				

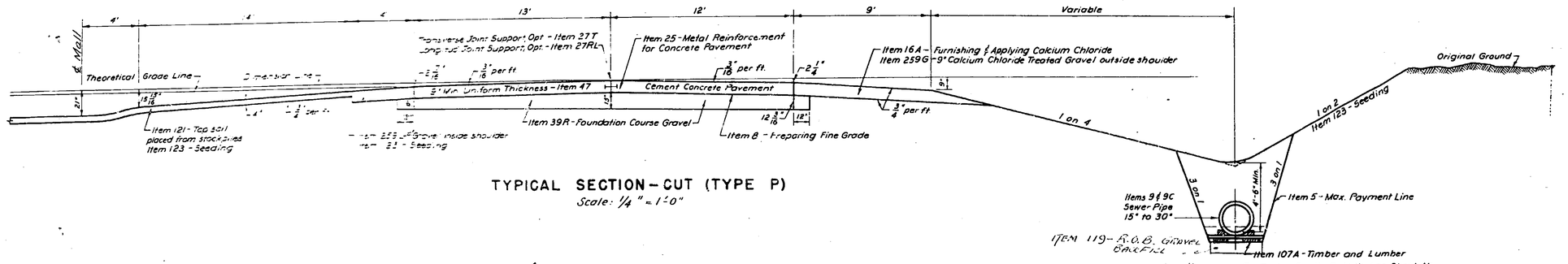
8R



TYPICAL SECTION-CUT (TYPE N)
Scale: 1/4" = 1'-0"

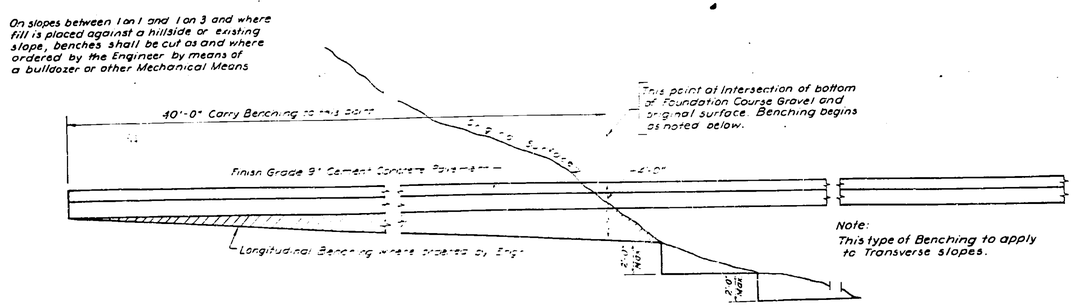


TYPICAL SECTION-CUT (TYPE O)
Scale: 1/4" = 1'-0"

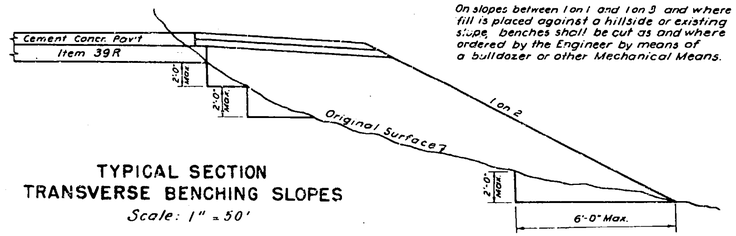


TYPICAL SECTION - CUT (TYPE P)
Scale: 1/4" = 1'-0"

Note - Item 1 ST Timber Salvage Planking may be Sized A.C.B.E



TYPICAL SECTION
LONGITUDINAL BENCHING SLOPES
Not to Scale



TYPICAL SECTION
TRANSVERSE BENCHING SLOPES
Scale: 1" = 5'

Prepared and Recommended:

N. Y. STATE P. E. LIC. NO. ..... DATE .....

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST. NEW YORK 5, N. Y.

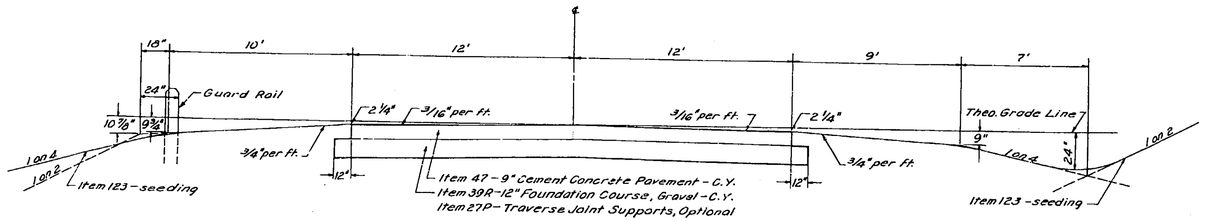
DRAWN BY ... TRACED BY ... DESIGN BY ... CHECKED BY ...
PLAN
PROFILE

Prepared Pursuant to the Highway Law and Recommended by .

Engineer Dist. No.

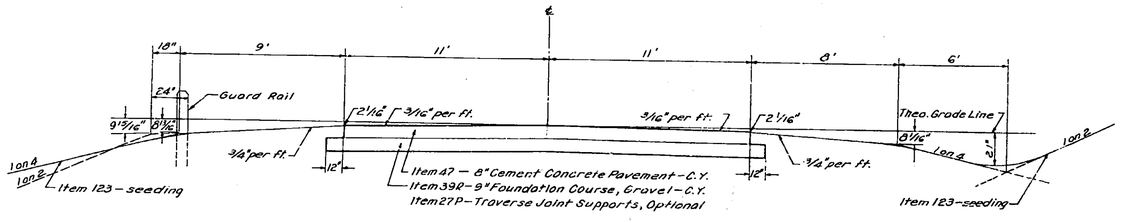
195

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			9	107
MOHAWK SECTION, SUB DIVISION 1					



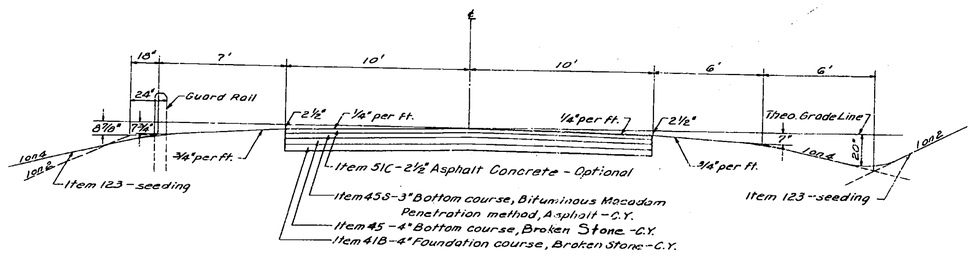
TYPICAL SECTION
RELOCATED SCHENECTADY—GUILDERLAND ROAD S.H.557 on ROUTE No. 158
RELOCATED SCHENECTADY—DUANESBURG ROAD S.H. 880 on ROUTE No. 7

Scale: 1/4" = 1'-0"



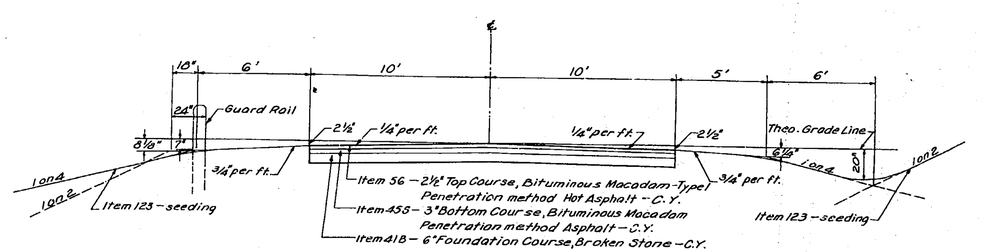
TYPICAL SECTION
RELOCATED SOUTH SCHENECTADY—MARIAVILLE
S.H. 788 on ROUTE No.159

Scale: 1/4" = 1'-0"



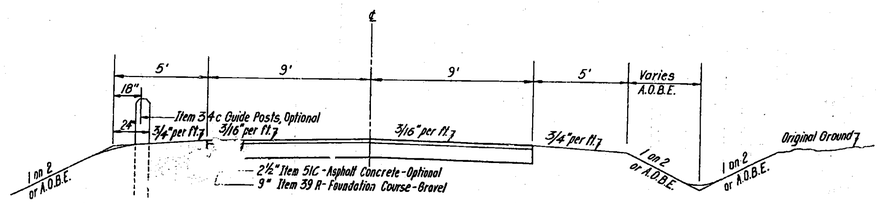
TYPICAL SECTION
RELOCATED PUTNAM ROAD PT.I CO. ROAD No.26R
RELOCATED DUNNSVILLE ROAD CO. ROAD No.9R
RELOCATED CHURCH ROAD COUNTY ROAD No. 7R

Scale: 1/4" = 1'-0"



TYPICAL SECTION
RELOCATED GORDON ROAD COUNTY ROAD No. 32R
RELOCATED CURRY BUSH RD. PT.I CO. ROAD No.24R

Scale: 1 1/4" = 1'-0"



Note: Detour Road Earthwork to be paid for under: Item 77 S - Temporary Structures & approaches.

TYPICAL SECTION
TEMPORARY DETOURS.
BURDECK STREET
CONNECTION TO OLD MARIAVILLE RD.
Scale: 1/4" = 1'-0"

Prepared and Recommended:
E.R. Harris
N. Y. STATE P. E. LIC. NO. 20147 DATE Jan 17 '58
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N. Y.

	Made by	Traced by	Checked by
PLAN	A. Manfredi	B. Kirsch	E. Kmiotek
PROFILE			

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No.

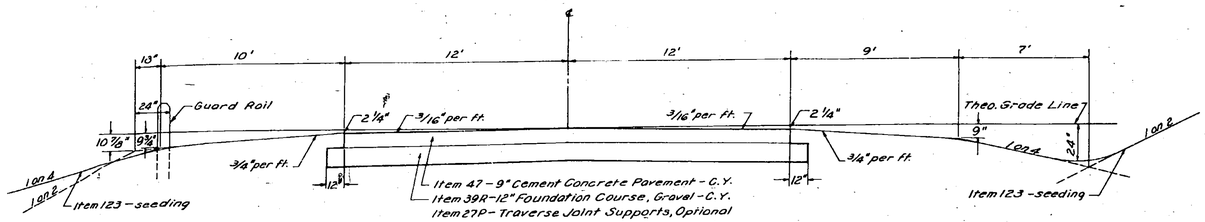
195

SECTIONS - X AXIS

M.T. 30-3 S.T 53-7 R.C 53-19

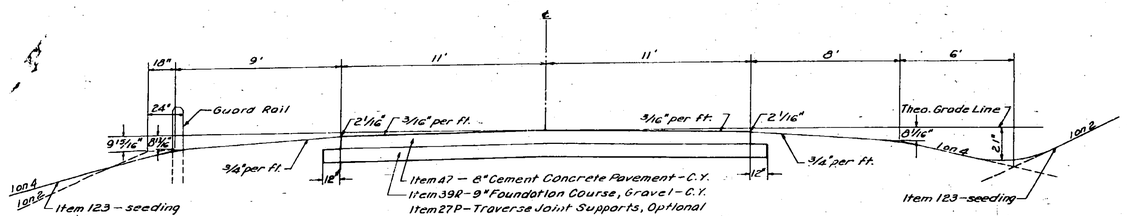
	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			9	157
MOHAWK SECTION, SUB DIVISION 1					

9R



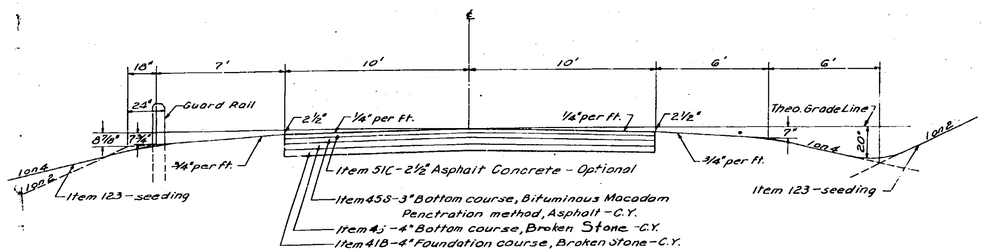
TYPICAL SECTION
RELOCATED SCHENECTADY—GUILDERLAND ROAD S.H. ~~887~~ 577 on ROUTE No. 158
RELOCATED SCHENECTADY—DUANESBURG ROAD S.H. 880 on ROUTE No. 7

Scale: 1/4" = 1'-0"



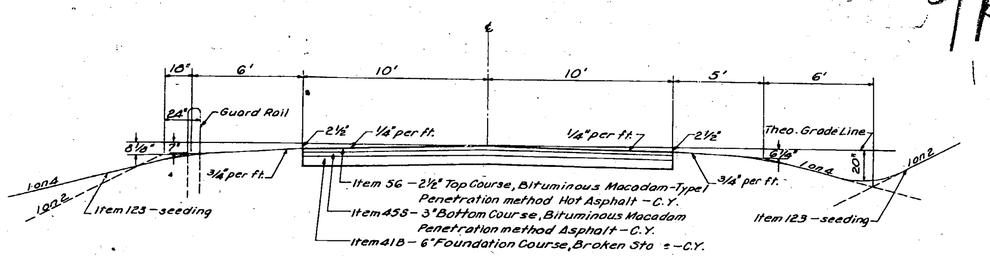
TYPICAL SECTION
RELOCATED SOUTH SCHENECTADY—MARIAVILLE
S.H. 788 on ROUTE No. 159

Scale: 1/4" = 1'-0"



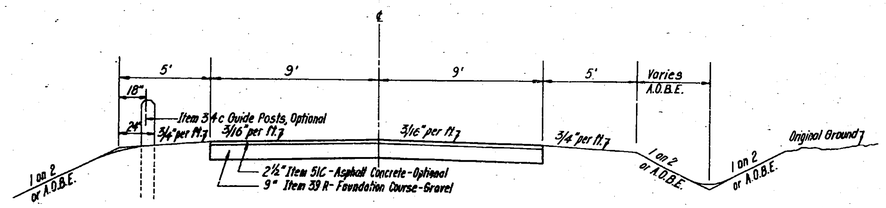
TYPICAL SECTION
RELOCATED PUTNAM ROAD PT. I CO. ROAD No. 26R
RELOCATED DUNNSVILLE ROAD CO. ROAD No. 9R
RELOCATED CHURCH ROAD COUNTY ROAD No. 7R

Scale: 1/4" = 1'-0"



TYPICAL SECTION
RELOCATED GORDON ROAD COUNTY ROAD No. 32R
RELOCATED CURRY BUSH RD. PT. I CO. ROAD No. 24R

Scale: 1/4" = 1'-0"



TYPICAL SECTION
TEMPORARY DETOURS
BURDECK STREET
CONNECTION TO OLD MARIAVILLE RD.
Scale: 1/4" = 1'-0"

Note: Detour Road Earthwork to be paid for under Item 77 S - Temporary Structures & approaches.

Prepared and Recommended:

N. Y. STATE P. E. LIC. NO. _____ DATE _____

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N. Y.

PLAN / PROFILE — Made by A. Manfredi — Traced by B. Kirsch — Checked by E. Kmiatek

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No.

195

A-31-3-10A-97

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			10	157
MOHAWK SECTION., SUB DIVISION 1					

TABLE OF BENCH MARKS — MAIN BASE LINE

No.	STATION	SIDE	ELEVATION	DESCRIPTION
49	5938+25	110'R	506.065	Bolt in Base of 15" Ash Tree
50	5936+40	140'R	510.076	Bolt in Base of 30" Ash Tree
51	5970+16	12'R	502.311	Bolt in Base of 12" Elm Tree
52	5985+62	35'L	496.014	Bolt in Base of 18" Elm Tree
53	5994+00	40'L	488.932	Bolt in Base of 15" Oak Tree
54	6004+42	96'L	482.863	Bolt in Base of 18" Oak Tree
55	6017+00	125'R	466.318	Bolt in Base of 24" Elm Tree
56	6027+48	46'L	483.396	Bolt in Base of 18" Pine Tree
57	6037+30	4'R	477.786	Bolt in Base of 12"Ash Tree
58	6048+00	34'R	417.386	Bolt in Base of 12" Elm Tree
59	6057+05	22'L	378.963	Bolt in Base of 18 Maple Tree
60	6064+97	312'L	366.299	Cut-Mark in Headwall of Concrete Culvert at Intersection
61	6078+59	92'L	363.634	Cut-Mark on S.W. Corner So. Headwall of R.R. Culvert
62	6088+05	96'R	351.119	Bolt in Base of 20"Elm Tree
63	6097+73	190'R	344.154	Cut-Mark on N.E. Corner No. Headwall of Culvert, Route#7
64	6109+30	6'L	363.369	Bolt in Base of 10"Birch Tree
65	6119+40	45'L	336.234	Bolt in Base of 15" Pine Tree
66	6128+60	50'R	332.199	Bolt in Base of 12"Cherry Tree
67	6135+65	65'L	331.024	Cut-Mark on N.E. Corner Concrete Approach Walk, Rear
68	6148+50	120'L	329.464	Bolt in Base of 12"Cherry Tree
69	6153+49	166'L	316.569	Cut-Mark on S.E. Footing Tower #32
70	6159+80	22'L	324.219	Bolt in Base of 36" Maple Tree
71	6171+10	95'R	312.844	Bolt in Base of 24"Hickory Tree
72	6178+80	45'R	309.429	Bolt in Base of 20" Poplar Tree
73	USC&G		321.482	USC&G Marker U-300 W. Headwall N.Y.C.R.R.(W. Shore) Culv't. N of Mile Post 151
74	6194+50	100'R	320.712	Bolt in Base of 30"Hickory Tree
75	6204+40	20'R	327.047	Bolt in Base of 15"Elm Tree
76	6213+65	20'R	330.397	Bolt in Base of 15"Oak Tree
77	6221+50	136'L	331.942	N.W. Footing of Tower #442
78	6231+35	96'R	332.125	Bolt in Base of 24" Basswood Tree
79	6242+50	210'R	334.910	Bolt in Base of 15" Basswood Tree
80	6250+00	170'R	337.380	Bolt in Base of 30" Pine Tree
81	6261+66	188'R	339.420	Bolt in Base of 15" Poplar Tree
82	6271+07	58'R	352.960	Bolt in Base of 10" Oak Tree
83	6284+25	30'L	356.435	Bolt in Base of 30" Oak Tree
84	6293+70	50'L	349.590	Bolt in Base of 15" Pine Tree
85	6293+70	50'L	346.915	Bolt in Base of 24" Maple Tree
86	6312+80	19'R	346.965	Bolt in Base of 36" Maple Tree

DRAINAGE AND STRUCTURES

No.	STATION	NEW STRUCTURE
1	5949+96	132 LF 24"RCCP, D.I. on Rt, Type A D.I. on ℄, Hdwall on Lt, New ditch on Lt I.O.B.E., Deepen exist. ditch 500'± I.O.B.E.
2	5953+60	136 LF 24"RCCP, D.I. Rt ℄ Lt, Type A D.I. on ℄, 364 LF 18"S.P. opt.
3	5957+25	136 LF 24"RCCP, D.I. Rt ℄ Lt, Type A D.I. on ℄, 364 LF 15"S.P. opt.
4	5960+88	136 LF 24"RCCP, D.I. Rt ℄ Lt, Type A D.I. on ℄, 360 LF 15"S.P. opt.
5	5964+48	68 LF 24"RCCP on Lt, D.I. on Lt, Type A D.I. on ℄, 360 LF 12"S.P. opt.
6	5966+91	Ditch, 65' Lt
7	5967+31	Relocated Gordon Rd. Co. Rd # 32R Underpass
8	1+60	Relocated Gordon Rd, 68 LF 24" RCCP, skew, Hdwalls Rt ℄ Lt, New ditch on Rt I.O.B.E.
9	E 3+00	Gordon Rd, 24 LF 24"RCCP, D.I. on Lt, Hdwall on Rt, New ditch on Rt I.O.B.E.
10	8+00±	Relocated Gordon Rd, New ditch I.O.B.E.
11	12+54	Relocated Gordon Rd, 32 LF 24" RCCP, Connect to each side of exist. 24"R.C.P., Hdwalls Rt ℄ Lt, New ditch on Rt I.O.B.E.
12	5968+25	168 LF 24"RCCP, skew, D.I. on Lt, Type A D.I. on ℄, Hdwall on Rt, 45 LF Concrete Gutter on Lt I.O.B.E.
13	5971+91	136 LF 24"RCCP, D.I. Rt ℄ Lt, Type A D.I. on ℄, 364 LF 15"S.P. opt.
14	5976+26(S.B)	148 LF 24"RCCP, D.I. Rt ℄ Lt, Type A D.I. at ditch line, 392 LF 15"S.P. opt.
15	5979±	204 LF Concrete Gutter I.O.B.E.
16	5980+25(S.B)	164 LF 24"RCCP, D.I. Rt ℄ Lt, Type A D.I. at ditch line, 400 LF 18"S.P. opt.
17	5984+27(S.B)	188 LF 24"RCCP, Hdwalls Rt ℄ Lt, Type A D.I. at ditch line
18	5988+28(S.B)	176 LF 24"RCCP, Hdwalls Rt ℄ Lt, Type A D.I. at ditch line
19	5995+69(S.B)	80 LF 24"RCCP on Rt, Type A D.I. at ditch line, Hdwall on Rt, New ditch on Rt I.O.B.E.
20	5999+25(S.B)	248 LF 24"RCCP, D.I. on Lt, Type A D.I. at ditch line, Hdwall on Rt, New ditch on Rt I.O.B.E.
21	6006+09(N.B)	100 LF 24"RCCP, skew, Hdwalls Rt ℄ Lt
22	6007+00(S.B)	100 LF 24"RCCP, skew, Hdwalls Rt ℄ Lt, New ditch on Rt I.O.B.E.
23	6012+17(S.B)	136 LF 24"RCCP, skew, Hdwalls Rt ℄ Lt, Type A D.I. at ditch line
24	6015+15(N.B)	76 LF 24"RCCP on Lt, D.I. on Lt, Type A D.I. at ditch line, 372 LF 12"S.P. opt.
25	6019+39(S.B)	136 LF 24"RCCP, D.I. Rt ℄ Lt, Type A D.I. at ditch line, 376 LF 15"S.P. opt. 24 LF Concrete gutter on Lt I.O.B.E.
26	6021±	Sodding as shown on plans
27	6022±	Top of Slope ditch I.O.B.E.
28	6023+20	136 LF 24"RCCP, D.I. Rt ℄ Lt, Type A D.I. at ℄, 400 LF 18"S.P. opt. 38 LF Concrete gutter on Lt I.O.B.E.
29	6027+21	136 LF 24"RCCP, skew, D.I. Rt ℄ Lt, Type A D.I. at ℄
30	6027+69	Relocated Putnam Rd, PT I Co. Rd # 26R Underpass
31	6+00±	Relocated Putnam Rd, 292 LF 24"S.P. opt. Hdwall at outlet New ditch to Poentic Kill
32	9+93	Relocated Putnam Rd, 44 LF 24"RCCP, D.I. Rt ℄ Lt, 80 LF 15"CMP on Lt
33	12+29	Relocated Putnam Rd, 35 LF Concrete gutter on Lt I.O.B.E.
34	14+30	Relocated Putnam Rd, 44 LF 24"RCCP, D.I. on Rt, Hdwall on Lt
35	6027+55	New ditch 65' Rt
36	6027+85	New ditch 65' Lt
37	6031+00	136 LF 24"RCCP, D.I. Rt ℄ Lt, Type A D.I. on ℄, 400 LF 12"S.P. opt.
38	6035+00	136 LF 24"RCCP, D.I. Rt ℄ Lt, Type A D.I. on ℄, 400 LF 15"S.P. opt.
39	6039+03	136 LF 24"RCCP, D.I. Rt ℄ Lt, Type A D.I. on ℄, 404 LF 18"S.P. opt.
40	6043+11	136 LF 24"RCCP, D.I. Rt ℄ Lt, Type B D.I. on ℄, 388 LF 20"S.P. opt.
41	6047+01	136 LF 24"RCCP, D.I. Rt ℄ Lt, Type B D.I. on ℄, 400 LF 24"S.P. opt.
42	6051+03	136 LF 24"RCCP, D.I. Rt ℄ Lt, Type B D.I. on ℄, 404 LF 24"S.P. opt.
43	6055+08	Type B D.I. on ℄, 156 LF 24"S.P. opt. Connect to Poentic Kill culvert
44	6056+83.5	Poentic Kill Culvert
45	6059+10	Type A D.I. on ℄, 340 LF 12"S.P. opt.
46	6062+50	144 LF 24" RCCP, skew, D.I. Rt ℄ Lt, Type A D.I. on ℄, 24 LF 19" RCCP
47	6062+75	Type M-1 MH. 8'-5"L, 152 LF 18"RCCP
48	6063+44	South Schenectady - Mariaville S.H. 788 on Route 159 Underpass
49	1+50	Relocated Mariaville Rd, 48 LF 24"RCCP, D.I. on Lt, Hdwall Rt, New ditch on Rt I.O.B.E.
50	6-3+50±	Old Mariaville Rd., 164 LF 12"S.P. opt I.O.B.E., D.I. at end I.O.B.E. Connect to Thruway Drainage System
51	8+50	Relocated Old Mariaville Rd, 60 LF 24" RCCP, Hdwalls Rt ℄ Lt, New ditches Rt ℄ Lt I.O.B.E.
52	20+89	Relocated Mariaville Rd, 80 LF 24"RCCP, Hdwalls Rt ℄ Lt New ditch on Rt I.O.B.E.
53	7+00	Relocated Curry Bush Rd, 96 LF 24" RCCP, Hdwalls Rt ℄ Lt
54	6063+08	Ditch 65' Rt
55	6063+77	Ditch 65' Lt
56	6064+26	Type M-1 M.H. 8'-5"L 256 LF 18"RCCP
57	6066+83	136 LF 24"RCCP, D.I. Rt ℄ Lt, Type A D.I. on ℄, 216 LF 18"S.P. opt.
58	6069±	80 LF Temporary Drainage Ditch.
59		
60		
61		
62		
63		
64		
64a		

No.	STATION	NEW STRUCTURE
65		
66	6081+30	270 L.F. Temporary Drainage Ditch
67	6082+00	Type A D.I. on ℄, 236 LF 12"S.P. opt.
68		
69	6084+35	160 LF 24"RCCP, D.I. on Lt, Type A D.I. on ℄, Hdwall on Rt, New ditch on Rt I.O.B.E.
70	6088+35	184 LF 24"RCCP, D.I. on Lt, Type A D.I. on ℄, Hdwall on Rt
71	6092+36	192 LF 24"RCCP, D.I. on Lt, Type A D.I. on ℄, Hdwall on Rt
72	6096+42	196 LF 24"RCCP, D.I. on Lt, Type A D.I. on ℄, Hdwall on Rt
73	6100+81	Schenectady - Duanesburg PT I S.H. 860 on Rt 7 Underpass
74	9+00	Relocated Duanesburg Rd. 5'×5' Box Culvert with wingwalls, skew, 154' long
75	10+00±	Relocated Duanesburg Rd. 128 LF 24"S.P. opt., Hdwall at end New outlet ditch I.O.B.E.
76	0+60	Relocated Burdeck St. 68 LF 24"RCCP, Hdwalls Rt ℄ Lt
77	24+50	Relocated Duanesburg Rd. 56 LF 24"RCCP, D.I. on Lt, Hdwall on Rt
78	6100+80	Ditch 65' Rt
79	6100+80	Ditch 65' Rt
80	6101+75	136 LF 24"RCCP, D.I. Rt ℄ Lt, Type A D.I. on ℄
81	6105+41	136 LF 24"RCCP, D.I. Rt ℄ Lt, Type A D.I. at ℄, 364 LF 12"S.P. opt.
82	6110+21	136 LF 24"RCCP, D.I. Rt ℄ Lt, Type A D.I. on ℄, 472 LF 12"S.P. opt.
83	6114+92	64 LF 24"RCCP on Rt, Type A D.I. on ℄, Hdwall on Rt
84	6119+45	144 LF 24" RCCP, Hdwalls Rt ℄ Lt, Type A D.I. on ℄
85	6124+04	128 LF 24" RCCP, Hdwalls Rt ℄ Lt, Type A D.I. on ℄
86	6128+08	152 LF 24" RCCP, skew, Hdwalls Rt ℄ Lt, Type A D.I. on ℄, New ditch on Rt I.O.B.E.
87	6132+06	Type A D.I. on ℄, 432 LF 12"S.P. opt.
88	6136+30	Type A D.I. on ℄, 40 LF 15"S.P. opt.
89	6136+75	148 LF 24"RCCP, skew, D.I. Rt ℄ Lt, Type M-1 M.H. 8'-5" Lt, 148 LF 15"S.P. opt.
90	6137+70	Relocated Dunnsville Rd. Co. Rd # 9R Underpass
91	7+55	Relocated Dunnsville Rd. 32 LF 24"RCCP, D.I. on Lt, Hdwall on Rt
92	6137+38	Ditch 65' Lt
93	6137+98	Ditch 65' Rt
94	6138+22	Type M-1 M.H. 8'-5" Lt, 280 LF 15"S.P. opt.
95	6141+03	136 LF 24"RCCP, D.I. Rt ℄ Lt, Type A D.I. on ℄, 448 LF 18"S.P. opt.
96	6145+54	136 LF 24"RCCP, D.I. Rt ℄ Lt, Type B D.I. on ℄, 400 LF 20"S.P. opt.
97	6149+54	136 LF 24"RCCP, D.I. Rt ℄ Lt, Type B D.I. on ℄, 452 LF 24"S.P. opt.
98	6154+06	Type B D.I. on ℄, 272 LF 24"S.P. opt.
99	6156+78	156 LF 36"RCCP, Skew Hdwalls Rt ℄ Lt. Type M-1 M.H. at ℄
100	5158+55	Type A D.I. on ℄, 176 LF 15"S.P. opt.
101	6162+70	136 LF 24"RCCP, D.I. Rt ℄ Lt, Type A D.I. on ℄, 416 LF 15"S.P. opt.
102	6166+90	Type A D.I. on ℄, 420 LF 12"S.P. opt.
103	6171+10	Type A D.I. on ℄, 420 LF 12"S.P. opt.
104	6174+60	244 LF 24"RCCP, skew, Hdwalls Rt ℄ Lt
105	6175+26	Type A D.I. on ℄, 416 LF 12"S.P. opt.
106	6179+43	344 LF 48"RCCP, skew, Hdwalls Rt ℄ Lt
107	6179+72	Type A D.I. on ℄, 444 LF 12"S.P. opt.
108	6181+40	168 LF 12"S.P. opt.
109	6185+72	276 LF 36"RCCP, Hdwall at end
110	6186+45	New York Central R.R. Bridge
111	6187+00	268 LF 36"RCCP, Hdwalls Rt ℄ Lt
112	6189+50	Type A D.I. on ℄, 400 LF 12" S.P. opt.
113	6193+50	Type A D.I. on ℄, 400 LF 12" S.P. opt.
114	6197+50	Type A D.I. on ℄, 392 LF 15" S.P. opt.
115	6201+42	Type A D.I. on ℄, 388 LF 15" S.P. opt.
116	6205+30	148 LF 24"RCCP, Hdwalls Rt ℄ Lt, Type A D.I. on ℄
117	6210+60	152 LF 24"RCCP, D.I. on Lt, Type A D.I. on ℄, Type A D.I. on Rt, 420 LF 30"S.P.
118	6214+63	144 LF 24"RCCP, D.I. on Lt, Type A D.I. on ℄, Type A D.I. on Rt, 400 LF 30"S.P.
119	6219+65	Relocated Schenectady - Guilderland S.H. # 577 on Route 158 Underpass
120	18+44	Relocated Guilderland, 116 LF 30"RCCP, Hdwalls Rt ℄ Lt
121	19+12	Relocated Guilderland, 20 LF 12" C.M.P.
122	20+93	Relocated Guilderland, 20 LF 12" C.M.P.
123	6219+65	Ditch 65' Lt
124	6219+65	Ditch 65' Rt
125	6220+05	148 LF 24"RCCP, skew, D.I. on Lt, Type A D.I. on ℄, Type M-1 M.H. on Rt 568 LF 30"S.P.
126	6226+00	148 LF 24" RCCP, D.I. on Lt, Type A D.I. on ℄, Type A D.I. on Rt, 568 LF 30"S.P.
127	6228+95	130 LF 2'×2' Box Culvert, Hdwalls Rt ℄ Lt, 35 L.F. Concrete Gutter on Rt I.O.B.E.
128	6230+00	72 LF 24"RCCP on Rt, Type A D.I. on ℄, Type A D.I. on Rt, 400 LF 30"S.P.
129	6231±	New ditch 110' Rt I.O.B.E.
130	6233±	New ditch 100' Lt I.O.B.E.
131	6234+00	152 LF 24"RCCP, D.I. on Lt, Type A D.I. at ℄, Type A D.I. on Rt, 400 LF 30"S.P.
132	6238+00	84 LF 24"RCCP on Rt, Type A D.I. on ℄, Type A D.I. on Rt, 400 LF 24"S.P. opt.
133	6242+00	152 LF 24"RCCP, D.I. on Lt, Type A D.I. on ℄, Type A D.I. on Rt, 400 LF 24"S.P. opt.

No.	STATION	NEW STRUCTURE
134	6246+00	88 LF 24"RCCP on Rt, Type A D.I. on ℄, Type A D.I. on Rt, 400 LF 24"S.P. opt.
135	6248+50±	New ditch 110' Lt I.O.B.E.
136	6250+00	156 LF 24"RCCP, D.I. on Lt, Type A D.I. at ℄, Type A D.I. on Rt, 400 LF 24"S.P. opt.
137	6254+00	76 LF 24"RCCP on Rt, Type A D.I. on ℄, Type A D.I. on Rt, 400 LF 24"S.P. opt.
138	6258+17	Relocated Church Rd Co Rd #7R Underpass
139	N 6+00±	Church Rd, 168 LF 24"S.P. opt, L shaped hdwall at end
140	6258+17	Ditch 65' Lt
141	6258+17	Ditch 65' Rt
142	6258+55	168 LF 24"RCCP, skew, D.I. on Lt, Type A D.I. on ℄, Type M-1 M.H. on Lt, 488 LF 21"S.P. opt.
143	6264+00	96 LF 24" RCCP on Rt, Type A D.I. on ℄, Type C D.I. on Rt, 304 LF 21"S.P. opt.
144	6268+00	100 LF 24"RCCP on Rt, Type A D.I. on ℄, Type C D.I. on Rt, 400 LF 21"S.P. opt.
145	6272+00	172 LF 24"RCCP, D.I. on Lt, Type A D.I. on ℄, Type C D.I. on Rt, 400 LF 21"S.P. opt.
146	6276+00	108 LF 24"RCCP on Rt, Type A D.I. on ℄, Type C D.I. on Rt, 400 LF 18"S.P. opt.
147	6280+00	180 LF 24"RCCP, D.I. on Lt, Type A D.I. on ℄, Type C D.I. on Rt, 400 LF 18"S.P. opt.
148	6284+13	Type C D.I. on Rt, 412 LF 18"S.P. opt.
149	6288+00	172 LF 24"RCCP, D.I. on Lt, Type A D.I. on ℄, Type C D.I. on Rt, 384 LF 18"S.P. opt.
150	6292+00	152 LF 24"RCCP, Hdwall on Lt, Type A D.I. on ℄, Type C D.I. on Rt, 400 LF 18"S.P. opt.
151	6296+00	84 LF 24"RCCP on Rt, Type A D.I. on ℄, Type C D.I. on Rt, 400 LF 15"S.P. opt.
152	6299+87	140 LF 24"RCCP, skew, Hdwall on Lt, Type A D.I. on ℄, Type C D.I. on Rt, 356 LF 15"S.P. opt.
153	6302±	680 LF 6" Tile Underdrain
154	6304+00	Type A D.I. on ℄, 412 LF 15"S.P. opt.
155	6305±	428 LF 6" Tile Underdrain
156	6308+00	120 LF 24"RCCP, D.I. Rt ℄ Lt, Type A D.I. on ℄, 400 LF 15"S.P. opt.
157	6206+40	Type A D.I. on Rt, 408 LF 30"S.P.
158	6202+77	Type M-1 M.H. on Rt, 408 LF 30"S.P.
159	6199+33	Type M-1 M.H. on Rt, 200 LF 30"S.P. Hdwall at end, 460 L.F. Conc. Gutter to 30" R.R. Culvert I.O.B.E.
160	6056+83.5	Relocated Poentic Kill

ALL DROP INLETS SHALL BE TYPE "C" UNLESS OTHERWISE DESIGNATED.

Prepared and Recommended:
E. N. Harlow
E. H. HARLOW, V.P. N.Y. STATE P. E. LIC. NO. 20747 DATE Jan 13 '53
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

PLAN Made by E. Jones Traced by B. Mysak Checked by E. Jones
PROFILE

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No. 195

481-3-10A-109

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			10	157
MOHAWK SECTION. SUB DIVISION 1					

TABLE OF BENCH MARKS — MAIN BASE LINE

No.	STATION	SIDE	ELEVATION	DESCRIPTION
~~49~~	~~5938+25~~	~~110'R~~	~~506.065~~	Bolt in Base of 15" Ash Tree
50	5956+40	140'R	510.076	Bolt in Base of 30" Ash Tree
51	5970+16	12'R	502.311	Bolt in Base of 12" Elm Tree
~~52~~	~~5985+62~~	~~35'L~~	~~496.014~~	Bolt in Base of 18" Elm Tree
~~53~~	~~5994+00~~	~~40'L~~	~~488.932~~	Bolt in Base of 15" Oak Tree
~~54~~	~~6004+49~~	~~96'L~~	~~482.863~~	Bolt in Base of 18" Oak Tree
55	6017+00	125'R	466.318	Bolt in Base of 24" Elm Tree
56	6027+48	46'L	483.396	Bolt in Base of 18" Pine Tree
57	6037+30	4'R	477.786	Bolt in Base of 12" Ash Tree
58	6048+00	34'R	417.386	Bolt in Base of 12" Elm Tree
~~59~~	~~6057+05~~	~~24'L~~	~~378.963~~	Bolt in Base of 18 Maple Tree
~~60~~	~~6064+97~~	~~312'L~~	~~366.299~~	Cut-Mark in Headwall of Concrete Culvert at Intersection
~~61~~	~~6078+59~~	~~92'L~~	~~363.634~~	Cut-Mark on S.W. Corner Sa. Headwall of R.R. Culvert
~~62~~	~~6088+05~~	~~96'R~~	~~351.119~~	Bolt in Base of 20" Elm Tree
~~63~~	~~6097+73~~	~~190'R~~	~~344.154~~	Cut-Mark on N.E. Corner No. Headwall of Culvert, Route #7
~~64~~	~~6109+30~~	~~6'L~~	~~363.369~~	Bolt in Base of 10" Birch Tree
65	6119+40	45'L	336.234	Bolt in Base of 15" Pine Tree
66	6128+60	50'R	332.199	Bolt in Base of 12" Cherry Tree
~~67~~	~~6135+65~~	~~65'L~~	~~331.024~~	Cut-Mark on N.E. Corner Concrete Approach Walk, Rear
~~68~~	~~6148+50~~	~~120'L~~	~~329.464~~	Bolt in Base of 12" Cherry Tree
69	6153+49	166'L	316.569	Cut-Mark on S.E. Footing Tower # 32
~~70~~	~~6159+80~~	~~22'L~~	~~324.219~~	Bolt in Base of 36" Maple Tree
71	6171+10	95'R	312.844	Bolt in Base of 24" Hickory Tree
72	6178+80	45'R	309.429	Bolt in Base of 20" Poplar Tree
73	USC&G		321.482	USC&G Marker U-300 W. Headwall N.Y.C.R.R.(W. Shore) Culv't. N. of Mile Post 151
74	6194+50	100'R	320.712	Bolt in Base of 30" Hickory Tree
75	6204+40	20'R	327.047	Bolt in Base of 15" Elm Tree
76	6213+65	20'R	330.397	Bolt in Base of 15" Oak Tree
77	6221+50	136'L	331.942	N.W. Footing of Tower # 442
~~78~~	~~6231+35~~	~~96'R~~	~~332.125~~	Bolt in Base Of 24" Basswood Tree
79	6242+50	210'R	334.910	Bolt in Base of 15" Basswood Tree
80	6250+00	170'R	337.380	Bolt in Base of 30" Pine Tree
81	6261+66	188'R	339.420	Bolt in Base of 15" Poplar Tree
~~82~~	~~6271+07~~	~~58'R~~	~~352.960~~	Bolt in Base of 10" Oak Tree
~~83~~	~~6284+25~~	~~30'L~~	~~356.435~~	Bolt in Base of 30" Oak Tree
84	6293+70	50'L	349.590	Bolt in Base of 15" Pine Tree
85	6293+70	50'L	346.915	Bolt in Base of 24" Maple Tree
86	6312+80	19'R	346.965	Bolt in Base of 36" Maple Tree

DRAINAGE AND STRUCTURES

No.	STATION	NEW STRUCTURE
1	5949+90	132 LF 24" RCCP, D.I. on Rt, Type A D.I. on ℄, Hdwall on Lt, New ditch on Lt 1.O.B.E., Deepen exist. ditch 500'± 1.O.B.E.
2	5953+60	136 LF 24" RCCP, D.I. Rt & Lt, Type A D.I. on ℄, 364 LF 18" S.P. opt.
3	5957+25	136 LF 24" RCCP, D.I. Rt & Lt, Type A D.I. on ℄, 364 LF 15" S.P. opt.
4	5960+88	136 LF 24" RCCP, D.I. Rt & Lt, Type A D.I. on ℄, 360 LF 15" S.P. opt
5	5964+48	68 LF 24" RCCP on Lt, D.I. on Lt, Type A D.I. on ℄, 360 LF 12" S.P. opt.
6	5966+91	Ditch, 65' Lt
7	5967+31	Relocated Gordon Rd. Co. Rd # 32 R. Underpass
8	1+60	Relocated Gordon Rd, 68 LF 24" RCCP, skew, Hdwalls Rt & Lt, New ditch on Rt 1.O.B.E.
9	E 3+00	Gordon Rd, 24 LF 24" RCCP, D.I. on Lt, Hdwall on Rt, New ditch on Rt 1.O.B.E.
10	8+00±	Relocated Gordon Rd, New ditch 1.O.B.E.
11	12+54	Relocated Gordon Rd, 32 LF 24" RCCP, Connect to each side of exist. 24" R.C.P., Hdwalls Rt & Lt, New ditch on Rt 1.O.B.E.
12	5968+25	168 LF 24" RCCP, skew, D.I. on Lt, Type A D.I. on ℄, Hdwall on Rt, 45 LF Concrete Gutter on Lt 1.O.B.E.
13	5971+91	136 LF 24" RCCP, D.I. Rt & Lt, Type A D.I. on ℄, 364 LF 15" S.P. opt.
14	5976+25(SB)	148 LF 24" RCCP, D.I. Rt & Lt, Type A D.I. at ditch line, 392 LF 15" S.P. opt.
15	5979±	204 LF Concrete Gutter 1.O.B.E.
16	5980+25(SB)	164 LF 24" RCCP, D.I. Rt & Lt, Type A D.I. at ditch line, 400 LF 18" S.P. opt
17	5984+27(SB)	188 LF 24" RCCP, Hdwalls Rt & Lt, Type A D.I. at ditch line
18	5988+28(SB)	176 LF 24" RCCP, Hdwalls Rt & Lt, Type A D.I. at ditch line
19	5995+69(SB)	80 LF 24" RCCP on Rt, Type A D.I. at ditch line, Hdwall on Rt, New ditch on Rt 1.O.B.E.
20	5999+25(SB)	248 LF 24" RCCP, D.I. on Lt, Type A D.I. at ditch line, Hdwall on Rt, New ditch on Rt 1.O.B.E.
21	~~6000+99(NB)~~ 6008±(SB)	100 LF 24" RCCP, skew, Hdwalls Rt & Lt
22	~~6003+00(SB)~~ 6007+00(SB)	100 LF 24" RCCP, skew, Hdwalls Rt & Lt, New ditch on Rt 1.O.B.E.
23	6012+17(SB)	196 LF 24" RCCP, skew, Hdwalls Rt & Lt, Type A D.I. at ditch line
24	6015+15(NB)	76 LF 24" RCCP on Lt, D.I. on Lt, Type A D.I. at ditch line, 372 LF 12" S.P. opt.
25	6019+39(SB)	136 LF 24" RCCP, D.I. Rt & Lt, Type A D.I. at ditch line, 376 LF 15" S.P. opt. 24 LF Concrete gutter on Lt 1.O.B.E.
26	6021±	Sodding as shown on plans
27	6022±	Top of Slope ditch 1.O.B.E.
28	6023+20	136 LF 24" RCCP, D.I. Rt & Lt, Type A D.I. at ℄, 400 LF 18" S.P. opt. 38 LF Concrete gutter on Lt 1.O.B.E.
29	6027+21	136 LF 24" RCCP skew, D.I. Rt & Lt, Type A D.I. at ℄
30	6027+69	Relocated Putnam Rd, PT I Co Rd # 26 R Underpass
31	6+00±	Relocated Putnam Rd, 292 LF 24" S.P. opt, Hdwall at outlet New ditch to Poentic Kill
32	9+93	Relocated Putnam Rd, 44 LF 24" RCCP, D.I. Rt & Lt, 80 LF 15" CMP on Lt
33	12+29	Relocated Putnam Rd, 35 LF Concrete gutter on Lt 1.O.B.E.
34	14+30	Relocated Putnam Rd, 44 LF 24" RCCP, D.I. on Rt, Hdwall on Lt
35	6027+55	New ditch 65' Rt
36	6027+85	New ditch 65' Lt
37	6031+00	136 LF 24" RCCP, D.I. Rt & Lt, Type A D.I. on ℄, 400 LF 12" S.P. opt.
38	6035+00	136 LF 24" RCCP, D.I. Rt & Lt, Type A D.I. on ℄, 400 LF 15" S.P. opt.
39	6039+03	136 LF 24" RCCP, D.I. Rt & Lt, Type A D.I. on ℄, 404 LF 15" S.P. opt
40	6043+11	136 LF 24" RCCP, D.I. Rt & Lt, Type B D.I. on ℄, 388 LF 20" S.P. opt.
41	6047+01	136 LF 24" RCCP, D.I. Rt & Lt, Type B D.I. on ℄, 400 LF 24" S.P. opt.
42	6051+03	136 LF 24" RCCP, D.I. Rt & Lt, Type B D.I. on ℄, 404 LF 24" S.P. opt.
43	6055+08	Type B D.I. on ℄, 156 LF 24" S.P. opt. Connect to Poentic Kill culvert
44	6056+835	Poentic Kill Culvert
45	6059+10	Type A D.I. on ℄, 340 LF 12" S.P. opt.
46	6062+50	144 LF 24" RCCP, skew, D.I. Rt & Lt, Type A D.I. on ℄, 24 LF 18" RCCP
47	6062+75	Type M-1 M.H. 8'-5" L, 152 LF 18" RCCP. South Schenectady - Mariaville S.H. 788 on Route 159 Underpass
48	6063+44	Relocated Mariaville Rd, 48 LF 24" RCCP, D.I. on Lt, Hdwall Rt, New ditch on Rt 1.O.B.E.
49	1+50	Old Mariaville Rd, 164 LF 12" S.P. opt 1.O.B.E., D.I. at end 1.O.B.E. Connect to Thruway Drainage System
50	6-3+50±	Relocated Old Mariaville Rd, 60 LF 24" RCCP, Hdwalls Rt & Lt, New ditches Rt & Lt 1.O.B.E.
51	8+50	Relocated Mariaville Rd, 80 LF 24" RCCP, Hdwalls Rt & Lt New ditch on Rt 1.O.B.E.
52	20+89	Relocated Curry Bush Rd, 96 LF 24" RCC" Hdwalls Rt & Lt
53	7+00	Ditch 65' Rt
54	6063+08	Ditch 65' Lt
55	6063+77	Type M-1 M.H. 8'-5" L 256 LF 18" RCCP
56	6064+26	136 LF 24" RCCP, D.I. Rt & Lt, Type A D.I. on ℄, 216 LF 18" S.P. opt.
57	6066+83	80 LF Temporary Drainage Ditch.
58	6069±	
59		
60		
61		
62		
63		
64		
64a		
65		
66	6081+30	270 LF Temporary Drainage Ditch
67	6082+00	Type A D.I. on ℄, 236 LF 12" S.P. opt.
68		
69	6084+35	160 LF 24" RCCP, D.I. on Lt, Type A D.I. on ℄, Hdwall on Rt, New ditch on Rt 1.O.B.E.
70	6088+35	184 LF 24" RCCP, D.I. on Lt, Type A D.I. on ℄, Hdwall on Rt
71	6092+36	192 LF 24" RCCP, D.I. on Lt, Type A D.I. on ℄, Hdwall on Rt
72	6096+42	196 LF 24" RCCP, D.I. on Lt, Type A D.I. on ℄, Hdwall on Rt
73	6100+81	Schenectady - Duanesburg PT I S.H. 880 on Rt 7 Underpass
74	9+00	Relocated Duanesburg Rd. 5'×5' Box Culvert with wingwalls, skew, 154' long
75	10+00±	Relocated Duanesburg Rd. 128 l.f. 24" S.P. opt., Hdwall at end New outlet ditch 1.O.B.E.
76	0+60	Relocated Burdeck St. 68 LF 24" RCCP, Hdwalls Rt & Lt
77	24+50	Relocated Duanesburg Rd. 56 LF 24" RCCP, D.I. on Lt, Hdwall on Rt
78	6100+80	Ditch 65' Rt
79	6100+80	Ditch 65' Rt
80	6101+75	136 LF 24" RCCP, D.I. Rt & Lt, Type A D.I. on ℄
81	6105+41	136 LF 24" RCCP, D.I. Rt & Lt, Type A D.I. at ℄, 364 LF 12" S.P. opt.
82	6110+21	136 LF 24" RCCP, D.I. Rt & Lt, Type A D.I. on ℄, 472 LF 12" S.P. opt.
83	6114+92	64 LF 24" RCCP on Rt, Type A D.I. on ℄, Hdwall on Rt
84	6119+45	144 LF 24" RCCP, Hdwalls Rt & Lt, Type A D.I. on ℄
85	6124+04	128 LF 24" RCCP, Hdwalls Rt & Lt, Type A D.I. on ℄
86	6128+08	152 LF 24" RCCP, skew, Hdwalls Rt & Lt, Type A D.I. on ℄, New ditch on Rt 1.O.B.E.
87	6132+06	Type A D.I. on ℄, 432 LF 12" S.P. opt.
88	6136+30	Type A D.I. on ℄, 40 LF 15" S.P. opt.
89	6136+75	148 LF 24" RCCP, skew, D.I. Rt & Lt, Type M-1 M.H. 8'-5" Lt, 148 LF 15" S.P. opt.
90	6137+70	Relocated Dunnsville Rd. Co. Rd # 9R Underpass
91	7+55	Relocated Dunnsville Rd. 32 LF 24" RCCP, D.I. on Lt, Hdwall on Rt
92	6137+38	Ditch 65' Lt
93	6137+98	Ditch 65' Rt
94	6138+22	Type M-1 M.H. 8'-5" Lt, 280 LF 15" S.P. opt.
95	6141+03	136 LF 24" RCCP, D.I. Rt & Lt, Type A D.I. on ℄, 448 LF 18" S.P. opt.
96	6145+54	136 LF 24" RCCP, D.I. Rt & Lt, Type B D.I. on ℄, 400 LF 20" S.P. opt.
97	6149+54	136 LF 24" RCCP, D.I. Rt & Lt, Type B D.I. on ℄, 452 LF 24" S.P. opt.
98	6154+06	Type B D.I. on ℄, 272 LF 24" S.P. opt.
99	6156+78	136 LF 36" RCCP, Skew, Hdwalls Rt & Lt, Type M-1 M.H. at ℄
100	6158+55	Type A D.I. on ℄, 176 LF 15" S.P. opt.
101	6162+70	136 LF 24" RCCP, D.I. Rt & Lt, Type A D.I. on ℄, 416 LF 15" S.P. opt.
102	6166+90	Type A D.I. on ℄, 420 LF 12" S.P. opt.
103	6171+10	Type A D.I. on ℄, 420 LF 12" S.P. opt.
104	6174+80	244 LF 24" RCCP, skew, Hdwalls Rt & Lt
105	6175+26	Type A D.I. on ℄, 416 LF 12" S.P. opt.
106	6179+40	344 LF 48" RCCP, skew, Hdwalls Rt & Lt
107	6179+72	Type A D.I. on ℄, 444 LF 12" S.P. opt.
108	6181+40	168 LF 12" S.P. opt.
109	6185+72	276 LF 36" RCCP, Hdwall at end
110	6186+45	New York Central R.R. Bridge
111	6187+00	268 LF 36" RCCP, Hdwalls Rt & Lt
112	6189+50	Type A D.I. on ℄, 400 LF 12" S.P. opt.
113	6193+50	Type A D.I. on ℄, 400 LF 12" S.P. opt.
114	6197+50	Type A D.I. on ℄, 392 LF 15" S.P. opt.
115	6201+42	Type A D.I. on ℄, 388 LF 15" S.P. opt.
116	6205+30	148 LF 24" RCCP, Hdwalls Rt & Lt, Type A D.I. on ℄
117	6210+60	152 LF 24" RCCP, D.I. on Lt, Type A D.I. on ℄, Type A D.I. on Rt, 420 LF 30" S.P.
118	6214+63	144 LF 24" RCCP, D.I. on Lt, Type A D.I. on ℄, Type A D.I. on Rt, 400 LF 30" S.P.
119	6219+65	Relocated Schenectady - Guilderland S.H. # 577 on Route 158 Underpass
120	18+44	Relocated Guilderland, 116 LF 30" RCCP, Hdwalls Rt & Lt
121	19+12	Relocated Guilderland, 20 LF 12" C.M.P.
122	20+93	Relocated Guilderland, 20 LF 12" C.M.P.
123	6219+65	Ditch 65' Lt
124	6219+65	Ditch 65' Rt
125	6220+05	148 LF 24" RCCP, skew, D.I. on Lt, Type A D.I. on ℄, Type M-1 M.H. on Rt 568 LF 30" S.P.
126	6226+00	148 LF 24" RCCP, D.I. on Lt, Type A D.I. on ℄, Type A D.I. on Rt, 568 LF 30" S.P.
127	6228+95	130 LF 2×2 Box Culvert, Hdwalls Rt & Lt, 35 L.F. Concrete Gutter on Rt 1.O.B.E.
128	6230+00	72 LF 24" RCCP on Rt, Type A D.I. on ℄, Type A D.I. on Rt, 400 LF 30" S.P.
129	6231±	New ditch 110' Rt 1.O.B.E.
130	6233±	New ditch 100' Lt 1.O.B.E.
131	6234+00	152 LF 24" RCCP, D.I. on Lt, Type A D.I. at ℄, Type A D.I. on Rt, 400 LF 30" S.P.
132	6238+00	84 LF 24" RCCP on Rt, Type A D.I. on ℄, Type A D.I. on Rt, 400 LF 24" S.P. opt.
133	6242+00	152 LF 24" RCCP, D.I. on Lt, Type A D.I. on ℄, Type A D.I. on Rt, 400 LF 24" S.P. opt.
134	6246+00	88 LF 24" RCCP on Rt, Type A D.I. on ℄, Type A D.I. on Rt, 400 LF 24" S.P. opt.
135	6248+30±	New ditch 110' Lt 1.O.B.E.
136	6250+00	156 LF 24" RCCP, D.I. on Lt, Type A D.I. at ℄, Type A D.I. on Rt, 400 LF 24" S.P. opt.
137	6254+00	76 LF 24" RCCP on Rt, Type A D.I. on ℄, Type A D.I. on Rt, 400 LF 24" S.P. opt.
138	6258+17	Relocated Church Rd Co Rd # 7R Underpass
139	N 6+00±	Church Rd, 168 LF 24" S.P. opt, L shaped hdwall at end
140	6258+17	Ditch 65' Lt
141	6258+17	Ditch 65' Rt
142	6258+55	168 LF 24" RCCP, skew, D.I. on Lt, Type A D.I. on ℄, Type M-1 M.H. on Lt, 488 LF 21" S.P. opt.
143	6264+00	96 LF 24" RCCP on Rt, Type A D.I. on ℄, Type C D.I. on Rt, 504 LF 21" S.P. opt.
144	6268+00	100 LF 24" RCCP on Rt, Type A D.I. on ℄, Type C D.I. on Rt, 400 LF 21" S.P. opt.
145	~~6270+00~~ 6272+00	172 LF 24" RCCP, D.I. on Lt, Type A D.I. on ℄, Type C D.I. on Rt, 400 LF 21" S.P. opt.
146	6276+00	108 LF 24" RCCP on Rt, Type A D.I. on ℄, Type C D.I. on Rt, 400 LF 18" S.P. opt.
147	6280+00	180 LF 24" RCCP, D.I. on Lt, Type A D.I. on ℄, Type C D.I. on Rt, 400 LF 18" S.P. opt.
148	6284+13	Type C D.I. on Rt, 412 LF 18" S.P. opt.
149	6288+00	172 LF 24" RCCP, D.I. on Lt, Type A D.I. on ℄, Type C D.I. on Rt, 384 LF 18" S.P. opt.
150	6292+00	152 LF 24" RCCP, Hdwall on Lt, Type A D.I. on ℄, Type C D.I. on Rt, 400 LF 18" S.P. opt.
151	6296+00	84 LF 24" RCCP on Rt, Type A D.I. on ℄, Type C D.I. on Rt, 400 LF 15" S.P. opt.
152	6299+87	140 LF 24" RCCP, skew, Hdwall on Lt, Type A D.I. on ℄, Type C D.I. on Rt, 356 LF 15" S.P. opt.
153	6302±	680 LF 6" Tile Underdrain
154	6304+00	Type A. D.I. on ℄, 412 LF 15" S.P. opt.
155	6305±	428 LF 6" Tile Underdrain
156	6308+00	120 LF 24" RCCP, D.I. Rt & Lt, Type A D.I. on ℄, 400 LF 15" S.P. opt.
157	6206+40	Type A D.I. on Rt, 408 LF 30" S.P.
158	6202+77	Type M-1 M.H. on Rt, 408 LF 30" S.P.
159	6199+33	Type M-1 M.H. on Rt, 200 LF 30" S.P., Hdwall at end, 460 L.F. Conc. Gutter to 30" R.R. Culvert 1.O.B.E.
160	6056+835	Relocated Poentic Kill

ALL DROP INLETS SHALL BE TYPE "C" UNLESS OTHERWISE DESIGNATED.

Prepared and Recommended:
E. N. Harlow
E. H. HARLOW, V. P. N. Y. STATE P. E. LIC. NO. 20747 DATE Jan. 1, 1953
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N. Y.

PLAN Made by E. Jones Traced by B. Mysak Checked by E. Jones
PROFILE

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No.

195

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			11	157
MOHAWK SECTION, SUB DIVISION 1					

TABLE OF LENGTHS

LENGTH OF THRUWAY

DESCRIPTION	STATION TO STATION		DESCRIPTION	PAVING LINEAR FEET	CONTRACT LINEAR FEET
Contract Begins	5949+75.00	6069+50	Contract Stops	11925.00	11975.00
Contract Begins	6081+30	6182+00	Contract Stops	9900.00	10070.00
Contract Begins	6188+00	6313+00.88	Contract Ends	12400.88	12500.88
			TOTAL	34225.88	34545.88

SIDE ROADS

DESCRIPTION	STATION TO STATION		DESCRIPTION	PAVING LINEAR FEET	CONTRACT LINEAR FEET
GORDON ROAD CO. RD. NO. 32R.					
Contract Begins	-0+50	5+02.48	Bridge Begins	552.48	552.48
Bridge Begins	5+02.48	7+42.82	Bridge Ends		240.34
Bridge Ends	7+42.82	15+00.00	Contract Ends	757.18	757.18
			TOTAL	1309.66	1550.00
PUTNAM ROAD PT. I CO. RD. NO. 26R.					
Contract Begins	2+58.00	7+50.07	Bridge Begins	492.07	492.07
Bridge Begins	7+50.07	9+71.11	Bridge Ends		221.04
Bridge Ends	9+71.11	17+50.00	Contract Ends	778.89	778.89
			TOTAL	1270.96	1492.00
SOUTH SCHENECTADY–MARIAVILLE S.H. 788 ON RT. NO. 159					
Contract Begins	0+00.00	11+44.53	Bridge Begins	1144.53	1144.53
Bridge Begins	11+44.53	13+70.75	Bridge Ends		226.22
Bridge Ends	13+70.75	22+14.00	Contract Ends	843.25	843.25
			TOTAL	1987.78	2214.00
CURRY BUSH ROAD PT. I CO. RD. NO. 24R.					
Contract Begins	0+11.00	9+54.66	Contract Ends	943.66	943.66
SCHENECTADY–DUANESBURG PT. I S.H. 880 ON RT. NO. 7					
Contract Begins	0+90.00	10+52.88	Bridge Begins	962.88	962.88
Bridge Begins	10+52.88	12+56.39	Bridge Ends		203.51
Bridge Ends	12+56.39	29+31.39	Contract Ends	1675.00	1675.00
			TOTAL	2637.88	2841.39
DUNNSVILLE ROAD CO. RD. NO. 9R.					
Contract Begins	3+50.00	11+48.37	Bridge Begins	798.37	798.37
Bridge Begins	11+48.37	13+72.71	Bridge Ends		224.34
Bridge Ends	13+72.71	19+50.00	Contract Ends	577.29	577.29
			TOTAL	1375.66	1600.00
SCHENECTADY–GUILDERLAND S.H. 577 ON RT. NO. 158					
Contract Begins	2+50.00	11+35.52	Bridge Begins	885.52	885.52
Bridge Begins	11+35.52	13+35.52	Bridge Ends		200.00
Bridge Ends	13+35.52	23+00.00	Contract Ends	964.48	964.48
			TOTAL	1850.00	2050.00
CHURCH ROAD CO. RD. NO. 7R.					
Contract Begins	-1+00.00	7+05.27	Bridge Begins	805.27	805.27
Bridge Begins	7+05.27	9+02.52	Bridge Ends		197.25
Bridge Ends	9+02.52	19+00.00	Contract Ends	997.48	997.48
			TOTAL	1802.75	2000.00
			COMBINED TOTAL	13178.35	14691.05
BURDECK STREET					
Contract Begins	0+12.00	4+05.81	Contract Ends	453.81	453.81
CONNECTION TO OLD MARIAVILLE ROAD					
Contract Begins	7+95.79	11+75.00	Contract Ends	379.21	379.21

ITEM 2 B

TOTAL EXCAVATION AND EMBANKMENT

STATION TO STATION		TOTAL EXCAVATION Cu. Yds.	EMBANKMENT Cu. Yds.
5949+75	5963+52	8327	6662
5963+52	5963+82		278
5963+82	5980+28	46481	37185
5980+28	5984+68	186	12497
5984+68	6004+77	40584	32468
6004+77	6020+99	37126	29701
6020+99	6022+95	15435	
6022+95	6023+01	347	
6023+01	6036+66	331703	3281
6036+66	6040+08	75085	
6040+08	6058+76	50404	40323
6058+76	6059+85	485	388
6059+85	6069+75	3736	63058
6081+25	6086+52	44795	
6086+52	6106+92	71386	57109
6106+92	6118+01	48365	38692
6118+01	6134+02	653	36357
6134+02	6138+02	1870	1496
6138+02	6143+53	2634	22894
6143+53	6155+74	11745	9396
6155+74	6159+05	119	12795
6159+05	6169+96	13146	10517
6169+96	6172+76		19730
6172+76	6182+00		161649
6187+49	6204+51		212256
6204+51	6211+10	7343	5875
6211+10	6219+12	4980	48150
6219+12	6223+19	1330	1064
6223+19	6242+60	4285	16637
6242+60	6247+18	2546	2037
6247+18	6252+19	2487	6871
6252+19	6253+18	541	2854
6253+18	6258+01	575	40874
6258+01	6259+69	342	274
6259+69	6278+81	29112	23289
6278+81	6293+61	57213	5356
6293+61	6308+04	13572	10857
6308+04	6313+05	3859	667
	TOTAL	932798	973537

BORROW 343152

* Excavation & Embankment-Side Roads-is included in Total Excavation and Embankment.

EXCAVATION & EMBANKMENT–SIDE ROADS

ROAD	EXCAVATION Cubic Yards	EMBANKMENT Cubic Yards
Gordon Road Co. Rd. #32R Sta.-0+50.00 to Sta. 15+00.00	56	34925
Putnam Road Pt. I Co. Rd. #26R. Sta. 2+58.00 to Sta. 17+50.00	2701 0	3326
South Schenectady-Mariaville S.H. 788 on Rt. #159 Sta. 0+00.00 to Sta. 22+14.00	854	44300
Curry Bush Road Pt. I Co. Rd. #9R Sta. 0+11.00 to Sta. 9+54.66	214	14975
Schenectady-Duanesburg Pt. I S.H. 880 on Rt. #7 Sta. 0+90.00 to Sta. 29+31.39	2562	78570
Dunnsville Road Co. Rd. #9R Sta. 3+50.00 to Sta. 19+50.00	812	22091
Schenectady-Guilderland S.H. 577 on Rt. #158 Sta. 2+50.00 to Sta. 23+00.00	731	47984
Church Road Co. Rd. #7R Sta. -1+00.00 to Sta. 19+00.00	407	41334

BORROW FOR SIDE ROADS

Schenectady-Guilderland S.H. 577 on Rt. #158	55208
Church Road Co. Rd. #7R	3895

MUCK EXCAVATION

STATION TO STATION		TOTAL EXCAVATION Cubic Yards
5949+75	5963+52	2049
5963+82	5980+28	737
	TOTAL	2786

ITEM 2B–UNCLASSIFIED EXCAVATION TABLE OF EARTHWORK SUMMARY

FROM	CUBIC YARDS
Road as per earth work sheets	932798
Borrow as per earth work sheets	343152
Muck as per earth work sheets	2786
Drainage	7279
TOTAL	1286015

ITEM 5

TRENCH CULVERT & BRIDGE EXCAVATION

DESCRIPTION	CUBIC YARDS
Drainage	44374
Utilities	5175
Bridges	5563
TOTAL	55112

Prepared and Recommended:

E. N. Harlow N. Y. STATE P. E. LIC. NO. 20747 DATE Jan 13 '53

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

	Made by	Traced by	Checked by
PLAN	J. Privitera	G. Nipanicz	A. Montfredi
PROFILE			

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No. 195

481-3-10A-92

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			12	157
MOHAWK SECTION, SUB DIVISION 1					

ITEM 33 D
TABLE OF GUIDE RAILING

STATION TO STATION		SIDE Right or Left	LINEAR FEET
GORDON ROAD COUNTY ROAD NO.32 R.			
2+36.5	4+99	L	262.5
7+70	12+82.5	L	512.5
2+40.5	4+78	R	237.5
7+50	11+62.5	R	412.5
		TOTAL	1425.0 ✓
PUTNAM ROAD PT.I-COUNTY ROAD NO.26 R.			
6+33.6	7+33.6	L	100
9+78.8	10+78.8	L	100
6+43.0	7+43.0	R	100
9+88.4	10+88.4	R	100
		TOTAL	400 ✓
SOUTH SCHENECTADY-MARIAVILLE STATE HIGHWAY 788 ON ROUTE NO.159			
6+50	11+21	L	471
13+79	18+31	L	452
19+00	22+14	L	314
7+00	11+37	R	437
13+97	16+80	R	283
17+25	22+14	R	489
SOUTH SCHENECTADY-MARIAVILLE			
8+10.79	8+75.00	L	64.21
11+25	11+75	L	50
8+10.79	9+00	R	89.21
11+25	11+75	R	50
		TOTAL	2,699.42
CURRY BUSH ROAD PT.I-COUNTY ROAD NO.24 R.			
0+29	7+50	L	721 ✓
SCHENECTADY-DUANESBURG PT.I STATE HIGHWAY 880 ON ROUTE NO.7			
5+75	10+46	L	471
12+68	22+50	L	982
5+75	10+12	R	437
12+63	22+00	R	934
BURDECK ST.			
To left of intersection			75
To right of intersection			70
		TOTAL	2969 ✓
DUNNSVILLE ROAD COUNTY ROAD NO.9 R.			
8+05	11+40	L	335
13+95	16+62	L	267
8+75	11+28	R	253
13+82	17+50	R	368
		TOTAL	1,223 ✓
SCHENECTADY-GUILDERLAND STATE HIGHWAY 577 ON ROUTE NO.158			
6+00	11+18	L	518
13+52	19+83	L	631
7+00	11+18	R	418
13+52	19+10	R	558
		TOTAL	2,125 ✓
CHURCH ROAD COUNTY ROAD NO. 7 R.			
3+02	6+93	L	391
9+16	13+75	L	459
2+52	6+93	R	441
9+16	15+60	R	644
		TOTAL	1,935 ✓
		COMBINED TOTALS	13,497.42

ITEM 10 YRB
TABLE OF 6" TILE UNDERDRAIN

STATION TO STATION		OFFSET Right or Left	LINEAR FEET
6301+20	6308+00	L	680
6303+72	6308+00	R	423
OR AS ORDERED		BY ENGINEER	

ITEM 98
TABLE OF CONCRETE GUTTER

STATION	OFFSET Right or Left	LINEAR FEET	SQ. YDS.
5967+77	L	45	20.0 ✓
5979±	℄	204	90.7 ✓
6019+39(SB)	L	24	10.6
6023+20	L	38	16.9
6028+50	L	35	15.6
6198±	R	460	204.4
6228+55	R	35	15.6
	TOTAL		373.8

ITEM 113
HIGHWAY-RAILROAD BARRICADE

STATION	OFFSET RIGHT OR LEFT	ROAD TO BE BARRICADED	QUANTITY LINEAR FEET
5969+96	126.5'±L	Gordon Rd. Co. Rd. No. 32 R	24'±
6029+45	199'±L	Putnam Rd. Pt. I Co. Rd. No. 29 R.	16'±
6062+75	130'±L	Old Mariaville Rd.	16'±
6064+49	126'±R	Curry Bush Road Pt. I Co. Rd. 24 R	16'±
6097+90	132'±L	Sch: Duanesburg Rd. Pt. I S.H. 880 on Rt. 7	24'±
6098+30	192'±R	Sch: Duanesburg Rd. Pt. I S.H. 880 on Rt. 7	24'±
6137+91	126'±L	Dunnsville Rd. Detour	24'±
6138+96	129'±R	Dunnsville Rd. Detour	24'±
6186+45	145'±R	Wescott Rd. Co. Rd. 8 R	16'±
6187+50	147'±L	Wescott Rd. Co. Rd. 8 R	16'±
6218+90	126'±R	Guilderland Detour	16'±
6218+90	126'±L	Guilderland Detour	16'±
6258+91	126'±L	Church Rd. Detour	16'±
6258+95	126'±R	Church Rd. Detour	16'±
6311+33	126'±L	Fort Hunter Road	24'±
6313+94	126'±R	Fort Hunter Road	24'±
		TOTAL	312'±

ITEM 104
TABLE OF RIGHT OF WAY MARKERS

BASE LINE STATION	COUNT	ROUND
By Count	537	

ITEM 106 SB
RIGHT OF WAY FENCING

STATION	TO STATION	SIDE	LINEAR FEET
5949+75	6068+50	R & L	23950
6081+30	6094+50	R.	1320
6094+50	6182+00	R. & L.	17700
6188+00	6225+00	R & L.	7400
6254+00	6312+30	R.	5800
		TOTAL	56170

Prepared and Recommended:
E. A. Harlow N. Y. STATE P. E. LIC. NO. 20747 Jan. 13 '53 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N. Y.

PLAN PROFILE — Made by E. Castaldo — Traced by G. Nipanicz — Checked by A. Manfredi

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No. 195

481-3-10A-104

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			12	157
MOHAWK SECTION, SUB DIVISION 1					

12

ITEM 33 D
TABLE OF GUIDE RAILING

STATION	TO STATION	SIDE Right or Left	LINEAR FEET	
6180+96	6185+90	R	504	
6181+86	6192+76	R	504	
6179+96	6185+00	L	504	
6184+76	6192+00	L	504	2016.0
GORDON ROAD COUNTY ROAD NO.32 R.				
2+36.5	4+99	L	262.5	
7+70	12+82.5	L	512.5	
2+40.5	4+78	R	237.5	
7+50	11+62.5	R	412.5	
		TOTAL	1425.0 ✓	1591.0
PUTNAM ROAD PT.I-COUNTY ROAD NO.26 R.				
6+33.6	7+33.6	L	100	
9+78.8	10+78.8	L	100	
6+43.0	7+43.0	R	100	
9+88.4	10+88.4	R	100	
		TOTAL	400 ✓	303.5
SOUTH SCHENECTADY-MARIAVILLE STATE HIGHWAY 788 ON ROUTE NO.~~59~~				
6+50	11+21	L	471	
13+79	18+31	L	452	
19+00	22+14	L	314	
7+00	11+37	R	437	
13+97	16+80	R	283	
17+25	22+14	R	489	2450.0
SOUTH SCHENECTADY-MARIAVILLE				
8+10.79	8+75.00	L	64.21	
11+25	11+75	L	50	
8+10.79	9+00	R	89.21	
11+25	11+75	R	50	279.5
		TOTAL	2,699.42	
CURRY BUSH ROAD PT.I-COUNTY ROAD NO.24 R.				
0+29	7+50	L	721	537.0
SCHENECTADY-DUANESBURG PT.I STATE HIGHWAY 880 ON ROUTE NO.7				
5+75	10+46	L	471	
12+68	22+50	L	982	
5+75	10+12	R	437	
12+66	22+00	R	934	3149.0
BURDECK ST.				
To left of intersection			75	
To right of intersection			70	145.5
		TOTAL	2969 ✓	
DUNNSVILLE ROAD COUNTY ROAD NO.9 R.				
8+05	11+40	L	335	
13+95	16+62	L	267	
8+75	11+28	R	253	
13+82	17+50	R	368	
		TOTAL	1,223 ✓	1236.5
SCHENECTADY-GUILDERLAND STATE HIGHWAY 577 ON ROUTE NO.158				
6+00	11+18	L	518	
13+52	19+83	L	631	
7+00	11+18	R	418	
13+52	19+10	R	558	
		TOTAL	2,125 ✓	2115.5
CHURCH ROAD COUNTY ROAD NO. 7 R.				
3+02	6+93	L	391	
9+16	13+75	L	459	
2+52	6+93	R	441	
9+16	15+60	R	644	
		TOTAL	1,935 ✓	1944.5
		COMBINED TOTALS	13,497.42	15,868.0

ITEM 10 YRB
TABLE OF 6" TILE UNDERDRAIN

STATION	TO STATION	OFFSET Right or Left	LINEAR FEET
6301+20	6308+00	L	680
6303+72	6308+00	R	428
OR AS	ORDERED	BY ENGINEER	

ITEM 98
TABLE OF CONCRETE GUTTER

STATION	OFFSET Right or Left	LINEAR FEET	SQ.YDS.
5967+77	L	45	20.0 ✓
5979±	℄	204	90.7 ✓
6019+39(SB)	L	24	10.6
6023+20	L	38	16.9
6028+50	L	35	15.6
6198±	R	460	204.4
6228+55	R	35	15.6
	TOTAL		373.8

ITEM 113
HIGHWAY-RAILROAD BARRICADE

STATION	OFFSET RIGHT OR LEFT	ROAD TO BE BARRICADED	QUANTITY LINEAR FEET
5969+96	126.5'±L	Gordon Rd. Co. Rd. No. 32 R	24'±
6029+45	199'±L	Putnam Rd. Pt. I Co. Rd. No. 29 R	16'±
6062+75	130'±L	Old Mariaville Rd.	16'±
6064+49	126'±R	Curry Bush Road Pt. I Co. Rd. 24 R	16'±
6097+90	132'±L	Sch.-Duanesburg Rd. Pt. I S.H. 880 on Rt. 7	24'±
6098+30	192'±R	Sch.-Duanesburg Rd. Pt. I S.H. 880 on Rt. 7	24'±
6137+91	126'±L	Dunnsville Rd. Detour	24'± 16
6138+96	129'±R	Dunnsville Rd. Detour	24'±
6186+45	145'±R	Wescott Rd. Co. Rd. 8 R	16'±
6187+50	147'±L	Wescott Rd. Co. Rd. 8 R	16'±
6218+90	126'±R	Guilderland Detour	16'±
6218+90	126'±L	Guilderland Detour	16'±
6258+91	126'±L	Church Rd. Detour	16'±
6258+95	126'±R	Church Rd. Detour	16'±
~~6311+33~~	~~126'±L~~	~~Fort Hunter Road~~	~~24'±~~
~~6313+84~~	~~126'±R~~	~~Fort Hunter Road~~	~~24'±~~
6362+75	130'±R	SCH. MARIAVILLE Road	16
		TOTAL	312'±

272

ITEM 104
TABLE OF RIGHT OF WAY MARKERS

BASE LINE STATION	COUNT	ROUND
By Count	537	

ITEM 106 SB
RIGHT OF WAY FENCING

STATION	TO STATION	SIDE	LINEAR FEET
5949+75	6069+50	R & L	23950
6081+30	6094+50	R.	1320
6094+50	6182+00	R. & L.	17700
6188+00	6225+00	R & L.	7400
6254+00	6312+30	R.	5800
	TOTAL		56170

Prepared and Recommended:

E. A. Harlow — Jan. 2 '59
K. Y. STATE P. E. LIC. NO. 20171 — DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N. Y.

PLAN
PROFILE

Made by E. Castaldo — Traced by G. Niponicz — Checked by A. Manfredi

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No.

135

M.T. 53-3 S.T 53-7 R.C. 53-19

SCHEDULE A

LOCATION AND QUANTITY OF PAYMENT ITEMS

STATION TO STATION	SIDE	ITEM	QUANTITY & UNIT	REMARKS
5949+75 - 6312+83.56	Mall	121	18,031 c.y.	4" Placed loose
5949+75 - 6312+83.56	Mall	123	40 Ac.	40# P.L.S./Ac.
5949+75 - 6312+83.56	L&R	123	70 Ac.	40# P.L.S./Ac. plus 48#/Ac. of oats
5949+75 - 6312+83.56	L&R	124	5,999 s.y.	Sodding (From drainage sheet)
Thruway Bridge Underpass				
Gordon Road Co. Rd. #32R				
5+02.98-7+42.82	L&R			
		121	223 c.y.	4" Placed loose
		123	2 Ac.	40# P.L.S./Ac. plus 48#/Ac. of oats
		123B	0.426 Ac.	125# P.L.S./Ac. plus 48# oats on bridge slopes
		124	550 s.y.	Strip sod & gutters
Thruway Bridge Underpass				
Putnam Road Pt. 1 Co. Rd. #26R				
7+50.07-9+71.11	L&R			
		121	140 c.y.	4" Placed loose
		123	2 Ac.	40# P.L.S./Ac plus 48#/Ac of oats
		123B	0.36 Ac.	125# P.L.S./Ac. plus 48# oats on bridge slopes
		124	464 s.y.	Strip sod & gutters
Thruway Bridge Underpass				
South - Schenectady Mariaville S.H. 788 on Route # 159				
1+44.53-13+70.75	L&R	121	108 c.y.	4" Placed Loose
		123	3.0 Ac.	40# P.L.S./Ac. plus 48#/Ac. of oats
		123B	0.29 Ac.	125# P.L.S./Ac. plus 48# oats on bridge slopes
		124	600 s.y.	Strip sod & gutters
Thruway Bridge Underpass				
Schenectady - Duanesburg Pt. 1 S.H. 880 on Route # 7				
10+52.88-12+56.39	L&R	121	185 c.y.	4" Placed Loose
		123	4.6 Ac.	40# P.L.S./Ac. plus 48#/Ac. of oats
		123B	0.273 Ac.	125# P.L.S./Ac. plus 48# oats on bridge slopes
		124	413 s.y.	Strip sod & gutters
Thruway Bridge Underpass				
Dunnsville Road Co. Rd. # 9R				
11+48.37-13+72.71	L&R	121	123 c.y.	4" Placed loose
		123	1.7 Ac.	40# P.L.S./Ac. plus 48#/Ac. of oats
		123B	0.3 Ac.	125# P.L.S./Ac. plus 48# oats on bridge slopes
		124	418 s.y.	Strip sod & gutters
Thruway Bridge Underpass				
Schenectady - Guilderland S.H. 577 on Route # 158				
11+34.75-13+36.29	L&R	121	191 c.y.	4" Placed loose
		123	3.1 Ac.	40# P.L.S./Ac. plus 48#/Ac. of oats
		123B	0.243 Ac.	125# P.L.S./Ac. plus 48# oats on bridge slopes
		124	530 s.y.	Strip sod & gutters
Thruway Bridge Underpass				
Church Road Co. Rd. # 7R				
7+05.27-9+02.52	L&R	121	140 c.y.	4" Placed loose
		123	2.5 Ac.	40# P.L.S./Ac. plus 48#/Ac. of oats
		123B	0.252 Ac.	125# P.L.S./Ac. plus 48# oats on bridge slopes
		124	453 s.y.	Strip sod & gutters
Thruway Bridge Overpass				
Poentic Kill - 2 Cell Box Bridge				
	L&R	121	110 c.y.	4" Placed loose
		123B	0.25 Ac.	125# P.L.S./Ac. plus 48# oats on bridge slopes
		124	330 s.y.	Strip sod & gutters
Relocated Curry Bush Road Pt. 1 Co. Rd. # 24R				
	L&R	123	1.1 Ac.	40# P.L.S./Ac. plus 48#/Ac. of oats
Selective Thinning		Item 129X		
Sta. Sta.			L & R	Acres As per Spec. Specification
5976+00 - 6001+00	L&R		20 Ac.	
6024+00 - 6028+00	L			
6033+00 - 6040+00	L			
6057+00 - 6061+00	L&R			
6114+00 - 6132+00	L&R			
6173+00 - 6180+00	L&R			
6192+00 - 6196+00	L&R			
6202+00 - 6211+00	L&R			
6211+00 - 6216+00	L			
6233+00 - 6256+00	L&R			
6290+00 - 6307+00	L&R			

Prepared and Recommended:

N. Y. STATE P. E. LIC. NO. 20,717 DATE June 12 '53

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N. Y.

PLAN Made by E. Castaldo Traced by E. Kmiotek Checked by P. Klecan

PROFILE

SCHEDULE B

DETAIL SPECIFICATIONS TO ACCOMPANY PUBLIC WORKS SPECIFICATIONS

ITEM NO.	PAR. NO.	DESCRIPTION
121		Topsoil placed from stockpiles
	C-3	Completed depth 4" loose on mall only - On bridge approaches and slopes, 3" loose
		Changes: A.O.B.E.
123		Seeding -
	A	Areas: See schedule 'A'
	B	Seed: As specified for M-63 and shown as on schedule 'D'
		Lime: As specified for M-52
		Fertilizer: As specified for M-55, Type 1 or approved equivalent
	C-3	No soil amendment
		Lime: 1 ton per acre
		Fertilizer: 800#/acre using 1:2:1 ratio
		Seeding rate: 40 # P.L.S. per acre
		Seeding dates: Any season of the year with the approval of the District Engineer
		Method 1 to be used except all stones 2" over in diameter shall be removed from the subsoil to be seeded, extending from stabilized shoulder to ditch line and also where on areas to be mowed as O.B.E.
	C-4	Mulching - 2 tons per acre
		Mulch Anchorage: None required but may be employed by approved methods if contractor desires to reduce replacement of mulch and maintenance.
123B	B	Materials: As specified above under Item 123.
		Seeding Dates: When ground is workable in Spring to June 1st and from August 15 to October 1st.
124	B	Sod: As specified for M-64, Type 1
		No insecticides required
		Pegging stakes as specified for M-68 (1"x 2"x 8" Min.)
		All other materials shall be as specified for Items 121 and 123 above. (State Standard Sheet No. 50-34)
1WA		Applying Water
	a	Sodded areas shall be watered as ordered by engineer
129X		See Special Specifications

SUMMARY

Item 121 - Top Soil Placed From Stockpiles

	Neat	Round
Thruway	18,031	20,810
Bridge Approach	1,226	1,340
	19,257 c.y.	22,150 c.y.

Item 123 - Seeding

Thruway Mall	40	44
Thruway L. & R.	70	79
Bridge Approach	20	22
	130 Ac.	145 Ac.

Item 123B Seeding on Prepared Areas

Structures (Bridge Slopes)	2.394	4.00
	2.394 Ac.	4.00 Ac.

Item 124 Sodding

Structures (Bridge slopes) and Approaches	3,778	4,110
Thruway L. & R.	5,990	6,690
	9,768 s.y.	10,800 s.y.

129X Selective Thinning: 20 Ac. — 22 Ac.

SCHEDULE C

DETAIL SPECIFICATIONS FOR PLANTS

ITEM & SUBITEM	QUAN.	GENUS & SPECIES	ABBR.	COMMON NAME	SIZE	SPECIFICATIONS & REMARKS	SPACING

STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
N. Y.			13	157

MOHAWK SECTION, SUB DIVISION 1

ROADSIDE DEVELOPMENT SHEET

SCHEDULE D

DETAIL SPECIFICATIONS FOR SEEDS

A - MIN.% PURITY
B - MIN.% GERMINATION
C - POUNDS PURE LIVE SEEDS PER ACRE

NAME	VARIETY	A	B	C
Red Fescue Creeping (Festuca Rubra)	Commercial	95	75	18
Kentucky Bluegrass (Poa Protensis)	Commercial	80	80	7
Common Ryegrass (Lolium Perenne) (Lolium Multiflorum)	Commercial	95	85	5
Alsike Clover (Trifolium Hybridum)	Commercial Max. 25% Hardseed	95	85	4
Ladino Clover (Trifolium Repens Var.)	Lading Max. 25% Hardseed	95	95	3
Birdsfoot Trefoil (Lotus Corniculatus)	N.Y. Broad Leaf Max. 50% Hardseed	95	85	3
Total Pure Live Seed Per Acre				40
Cover Crop				
Oats (Avena Sativa)	Commercial Clinton, Mohawk	95	90	48

Note: 125# P.L.S. shall be used on bridge slopes.

SUMMARY

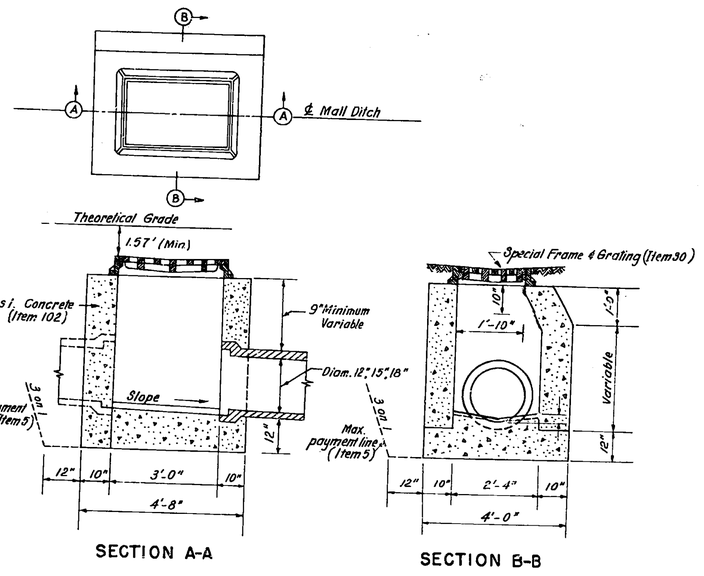
ITEM	TOTAL QUANTITY ROUNDED	NAME OF ITEM
121	22,150 c.y.	Top Soil Placed From Stockpiles
123	145 Ac.	Seeding
123B	4.00 Ac.	Seeding on Prepared Areas
124	10,800 s.y.	Sodding
129X	22 Ac.	Selective Thinning

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No. 195

481-3-10A-101

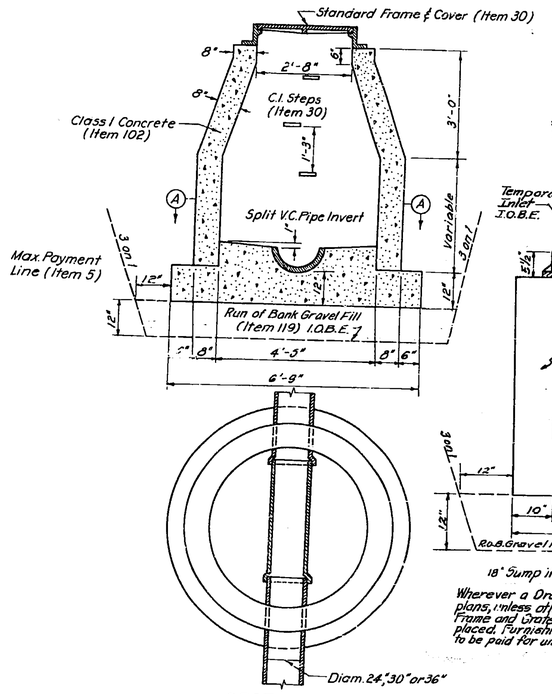
	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			14	157
MOHAWK SECTION, SUB DIVISION 1					



SECTION A-A SECTION B-B

INLET TYPE A

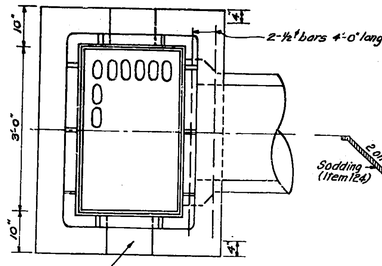
Scale: 1/2"=1'-0"

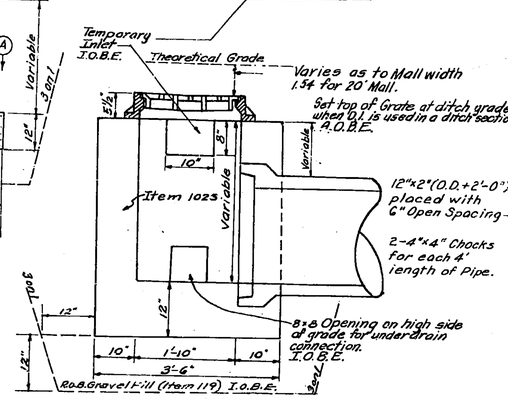


SECTION A-A

MANHOLE TYPE M-1

Scale: 1/2"=1'-0"





18" Sump if ordered by the Engineer.

Wherever a Drop Inlet Type "A" or "B" or "C" is called for on the plans, unless otherwise ordered by the Engineer, a Special Frame and Grate as shown above, is to be furnished and placed. Furnishing and placing Frame and Grate to be paid for under Item No. 30.

SECTION A-A

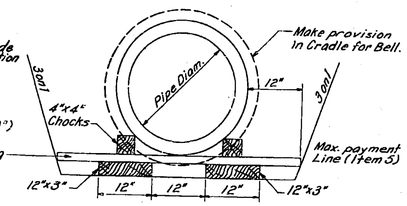
INLET TYPE C

Scale: 3/4"=1'-0"

TYPE A TYPE B

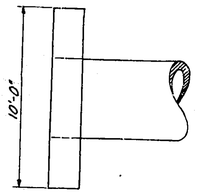
TYPICAL DITCH SECTIONS

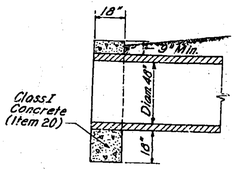
Not to scale



TIMBER CRADLE

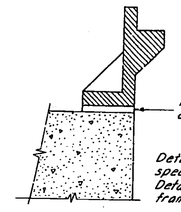
Scale: 3/4"=1'-0"





HEADWALL FOR 48" PIPE

Scale: 1/4"=1'-0"



FRAME SETTING DETAIL

Scale: 3"=1'-0"

NOTES:

Frames to be set in full bed of stiff mortar.

All exposed edges of concrete shall be rounded to a radius of 1½" unless shown otherwise.

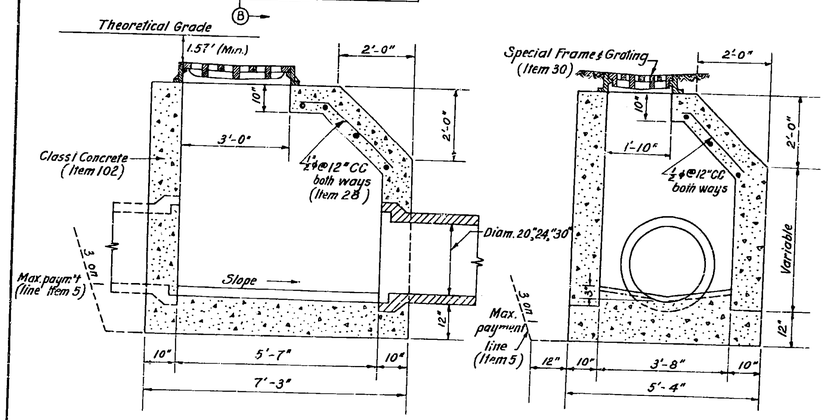
Provide gray cast iron steps in all manholes over 5' deep.

Timber Cradle to be used from sta. 6206+40 to sta. 6299+59 and at 30"S.p. outlet at sta. 6206+40.

Gravel Base for M.H. M-1 and Inlet Type C to be used from sta. 6206+40 to sta. 6299+59 and drainage structures (158) and (159).

Type B ditch to be used at drainage structure (8), all other ditches to be Type A.

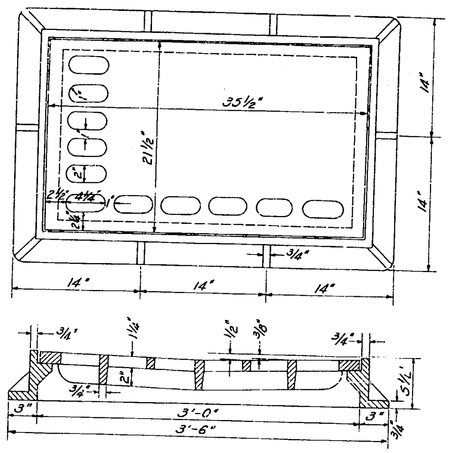
Wall thickness of inlets to be increased to 14" in sections below 13' in depth



SECTION A-A SECTION B-B

INLET TYPE B

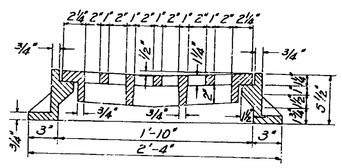
Scale: 1/2"=1'-0"

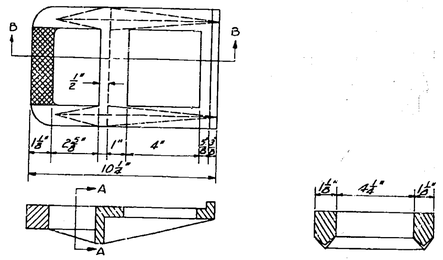


SPECIAL FRAME & GRATE (Item 30)

Scale: 1½"=1'-0"

APPROX. WT.
Grate 235 #
Frame 275 #
Total 510 #





SECTION B-B

SECTION A-A

C.I. STEPS (Item 30)

(All material gray cast iron)

Scale: 3"=1'-0"

DRAINAGE DETAILS

Scale as shown

Prepared and Recommended:

E.H. HARLOW, V.P. N.Y. STATE P. E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

Made by Traced by Checked by
PLAN E. Jones B. Kirsch E. Jones
PROFILE

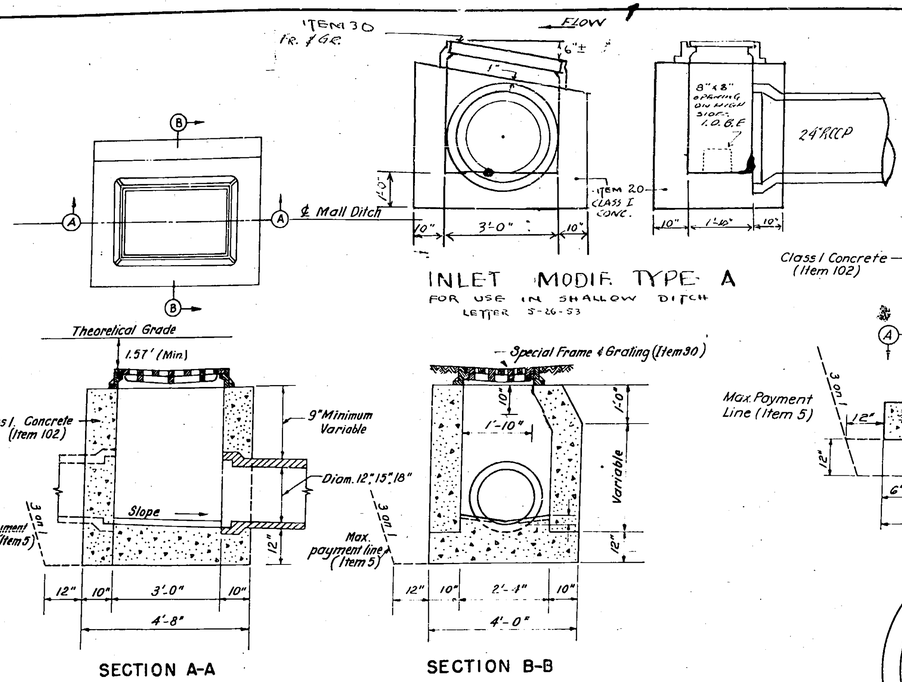
Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No.

195

481-3-10A-.02

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			14	157
MOHAWK SECTION, SUB DIVISION 1					

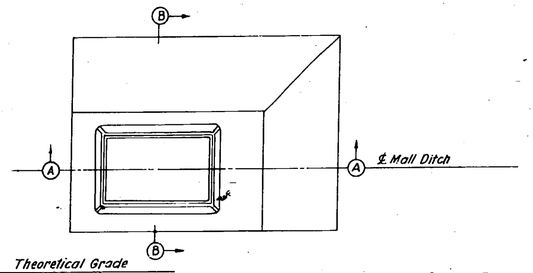


SECTION A-A

SECTION B-B

INLET TYPE A

Scale: 1/2"=1'-0"

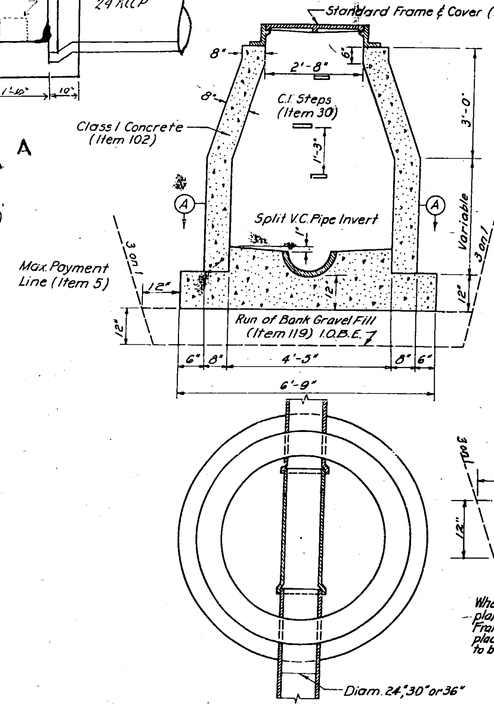


SECTION A-A

SECTION B-B

INLET TYPE B

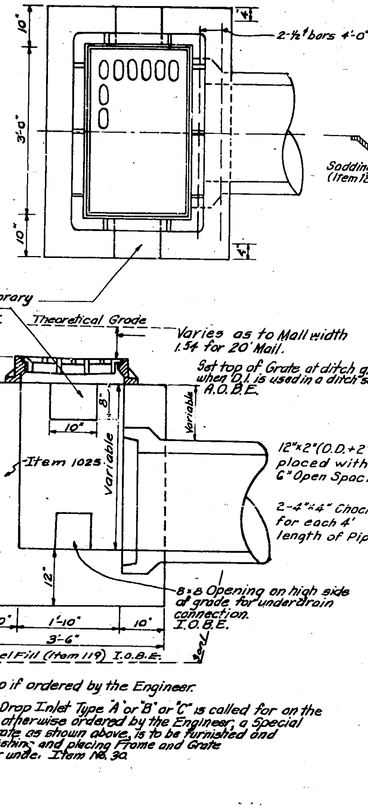
Scale: 1/2"=1'-0"



SECTION A-A

MANHOLE TYPE M-1

Scale: 1/2"=1'-0"



18" Sump if ordered by the Engineer.

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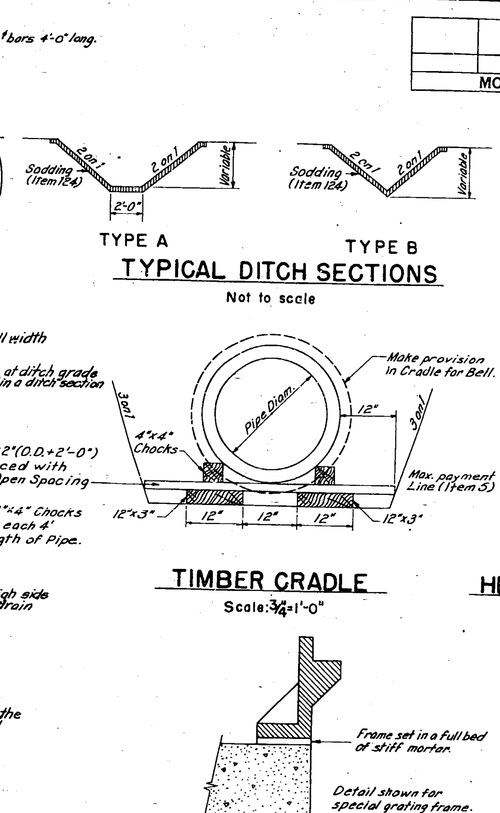
SECTION A-A

INLET TYPE C

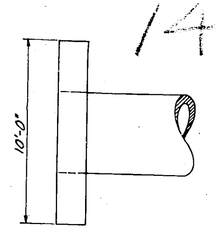
Scale: 3/4"=1'-0"



TYPE A TYPE B

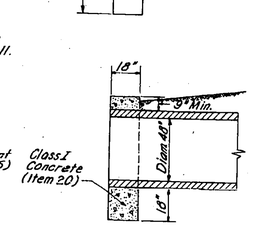
TYPICAL DITCH SECTIONS

Not to scale



TIMBER CRADLE

Scale: 3/4"=1'-0"



HEADWALL FOR 48" PIPE

Scale: 1/4"=1'-0"

FRAME SETTING DETAIL

Scale: 3"=1'-0"

NOTES:

Frames to be set in full bed of stiff mortar.

All exposed edges of concrete shall be rounded to a radius of 1½" unless shown otherwise.

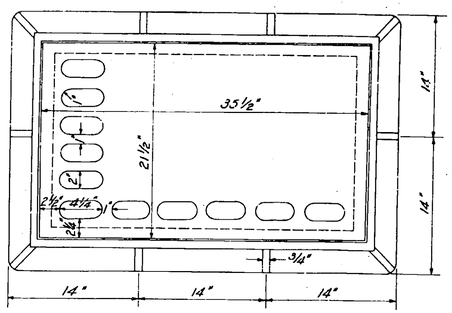
Provide gray cast iron steps in all manholes over 5' deep.

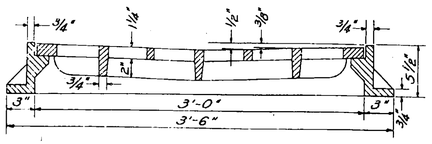
Timber Cradle to be used from sta. 6206+40 to sta. 6299+59 and at 30°S.P. outlet at sta. 6206+40.

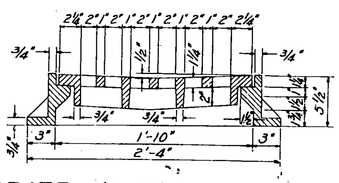
Gravel Base for M.H. M-1 and Inlet Type C to be used from sta. 6206+40 to sta. 6299+59 and drainage structures (158) and (159).

Type B ditch to be used at drainage structure (8), all other ditches to be Type A.

Wall thickness of inlets to be increased to 14" in sections below 13' in depth.

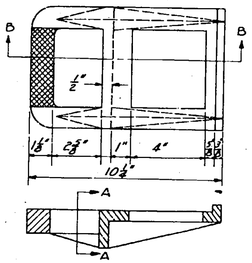




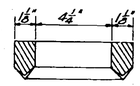


APPROX. WT.

Grate	235#
Frame	275#
Total	510#



SECTION B-B



SECTION A-A

C.I. STEPS (Item 30)

(All material gray cast iron)

Scale: 3"=1'-0"

SPECIAL FRAME & GRATE (Item 30).

Scale: 1½"=1'-0"

DRAINAGE DETAILS

Scale as shown

Prepared and Recommended:

E. H. HARLOW, V.P. N.Y. STATE P.E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS

27 WILLIAM ST., NEW YORK 5, N.Y.

PLAN PROFILE

Made by E. Jones Traced by B. Kirsch Checked by E. Jones

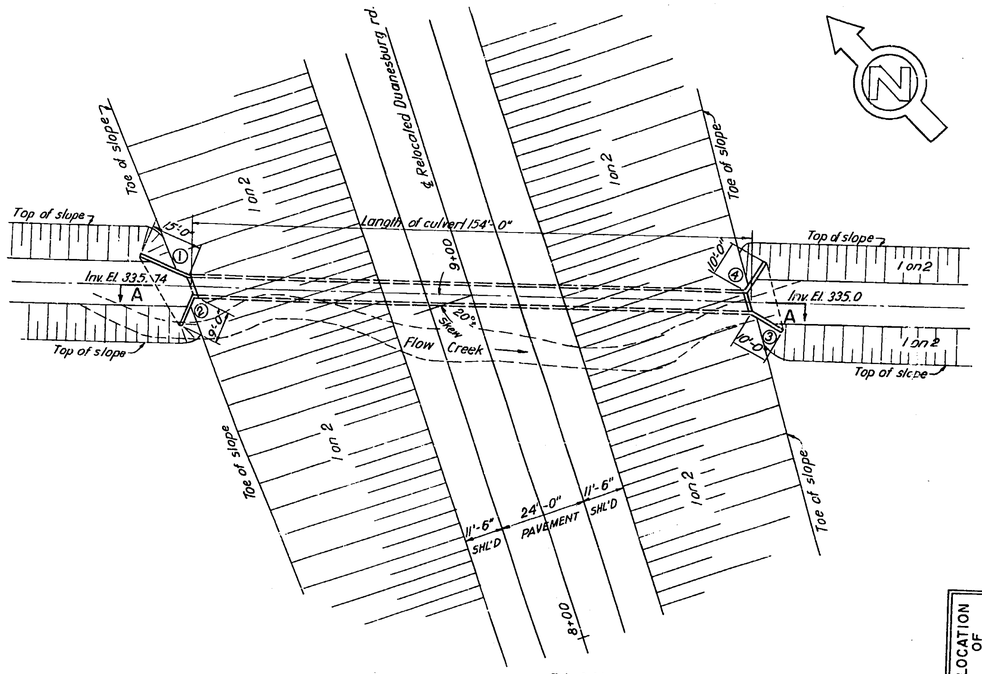
Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No.

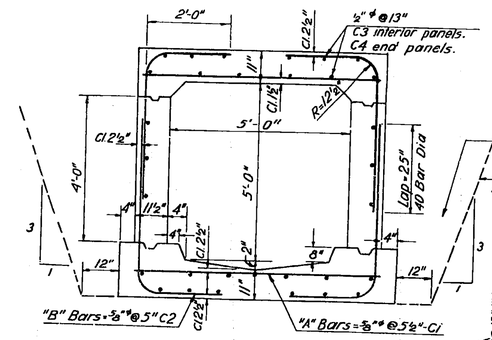
195

M.T. 53-3 S.T 53-7 R.C. 33-19

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			15	157
MOHAWK SECTION, SUB DIVISION 1					

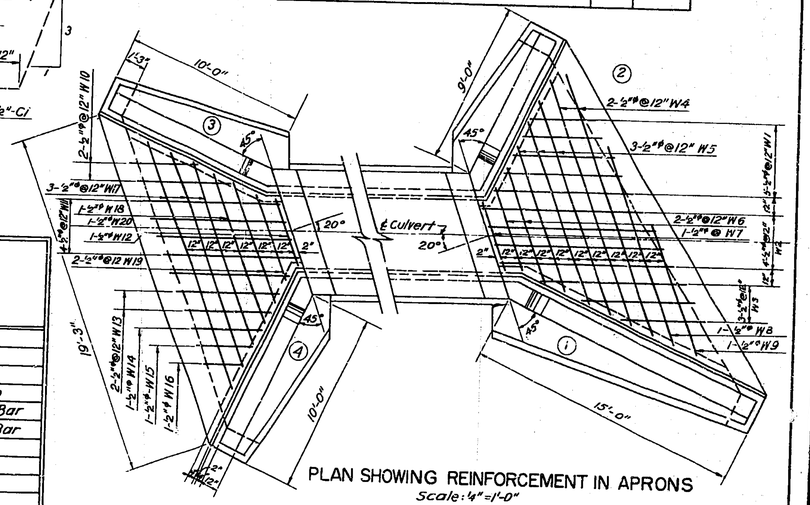


PLAN
Scale: 1"=20'

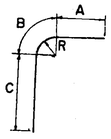


SECTION B-B
Scale: 1"=2'-0"

ESTIMATE OF QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	NEAT QUAN.
5	Trench, Culvert & Bridge Excavation	C.Y.	431
15-2	Portland Cement Type 2	Bbl.	259
15-N	Natural Cement Type N	Bbl.	37
18	Class IA Concrete for Structures	C.Y.	174
28	Bar Reinforcement for Structures	Lbs.	19000
119	Run of Bank Gravel Fill	C.Y.	250

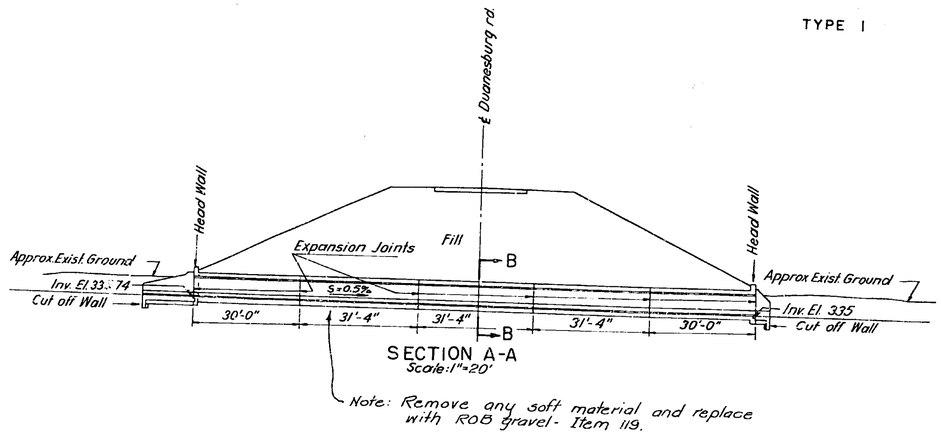


PLAN SHOWING REINFORCEMENT IN APRONS
Scale: ¼"=1'-0"



TYPE I

LOCATION OF BARS	MARK	SIZE	NO. REQ'D	LENGTH	TYPE	A	B	C	R	REMARKS.
CULVERT	C1	⅝"ϕ	656	6'-6"	Str.					Top & Bot. Slab
	C2	⅝"ϕ	1456	5'-11"	1	11½"	1'-7⅜"	3'-4"	12½"	Top & Bot. Slab
	C3	½"ϕ	90	30'-9"	Str.					Top & Bot. Slab, Side Slab
	C4	½"ϕ	60	30'-10½" 29'-4"	Str.					do-End Panels ΔL=6" Each Bar
	C5	½"ϕ	16	2'-4½" 2'-7"	Str.					End Panels ΔL=1'-3" Each Bar
	C6	⅝"ϕ	16	7'-0"	Str.					do
APRONS	W1	½"ϕ	5	3'-6" 3'-6"	Str.					Right Apron ΔL=12"
	W2	½"ϕ	4	9'-10½" 8'-10"	Str.					do ΔL=4"
	W3	½"ϕ	3	7'-3" 6'-3"	Str.					do ΔL=1'-6"
	W4	½"ϕ	2	13'-6" 12'-6"	Str.					do ΔL=1'-0"
	W5	½"ϕ	3	12'-6" 11'-6"	Str.					do ΔL=2'-0"
	W6	½"ϕ	2	5'-10" 4'-10"	Str.					do ΔL=2'-0"
	W7	½"ϕ	1	4'-0"	Str.					do
	W8	½"ϕ	1	11'-8"	Str.					do
	W9	½"ϕ	1	7'-9"	Str.					do
	W10	½"ϕ	2	3'-6" 3'-6"	Str.					Left Apron ΔL=2'-0"
	W11	½"ϕ	4	7'-8"	Str.					do
	W12	½"ϕ	1	6'-9"	Str.					do
	W13	½"ϕ	2	9'-8"	Str.					do ΔL=1'-0"
	W14	½"ϕ	1	4'-3"	Str.					do
	W15	½"ϕ	1	3'-6"	Str.					do
	W16	½"ϕ	1	2'-8"	Str.					do
	W17	½"ϕ	3	14'-11" 13'-10"	Str.					do ΔL=2'-0"
	W18	½"ϕ	1	9'-2"	Str.					do
	W19	½"ϕ	2	5'-4" 5'-4"	Str.					do ΔL=2'-0"
	W20	½"ϕ	1	4'-2"	Str.					do



SECTION A-A
Scale: 1"=20'

Note: Remove any soft material and replace with ROB gravel - Item 119.

GENERAL NOTES:

Design Specifications: AASHO 1949.
Loading: H20-S16 and current modifications & additions.
Material & fabrication: Specifications of New York State Department of Public Works dated Jan., 2, 1951 & current modifications and additions.
All concrete shall be Item 18.
The cost of furnishing & installing copper flashing shall be included in the price bid for Item 18.
All Bar Reinforcement shall be Item 28.
A waterproofing oil treatment as specified in M-41-W shall be applied to all exposed surfaces of concrete
Construction joints other than those show will not be permitted without written permission of the Deputy Chief Engineer (Bridges).
For additional notes & details see Standard Sheet 40-101 R to be furnished by the Engineer.

MOHAWK THRUWAY
CULVERT UNDER RELOCATED DUANESBURG RD.
RELOCATED ROAD STATION 9+00
SCHENECTADY COUNTY
ADDITION TO STATE STANDARD DWG'S FOR
STANDARD CLOSED BOX CULVERTS

SCALE AS SHOWN

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No. 195

Prepared and Recommended:
E. H. Harlow
E. H. HARLOW, V.P. N. Y. STATE P. E. LIC. NO. 20747
Jan 13 '53 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N. Y.

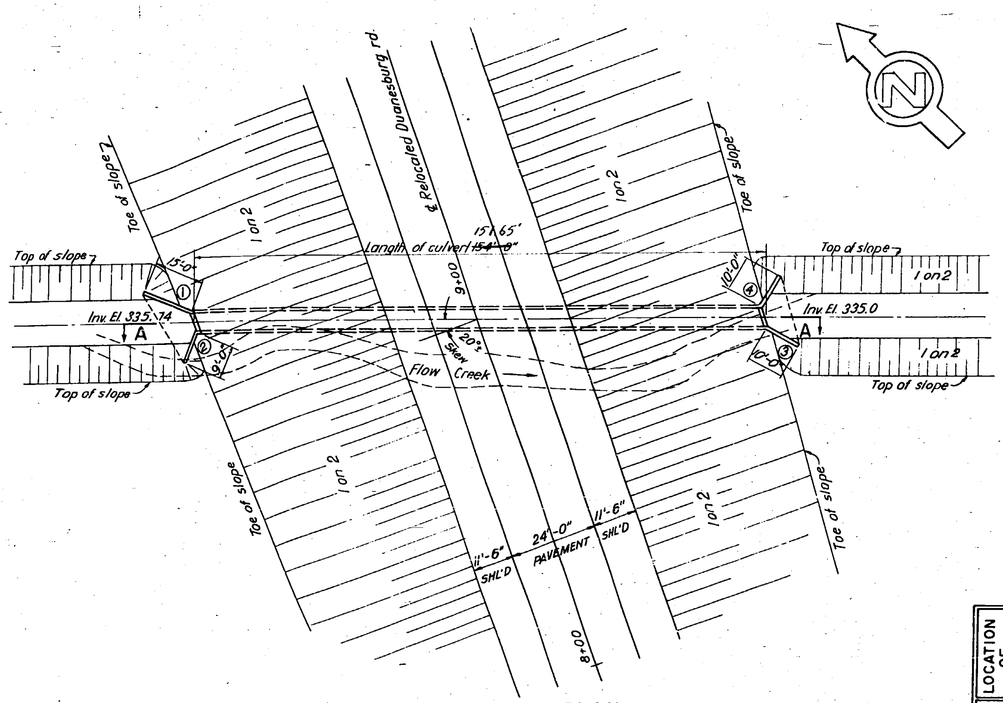
Made by G. Karachansky Traced by G. Karachansky Checked by W.H. Jacobsen
PLAN
PROFILE

481-3-10A-49

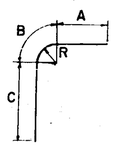
M.T. 53-3 S.T 53-7 R.C. 53-19

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			15	157
MOHAWK SECTION, SUB DIVISION 1					

15R



PLAN
Scale: 1"=20'



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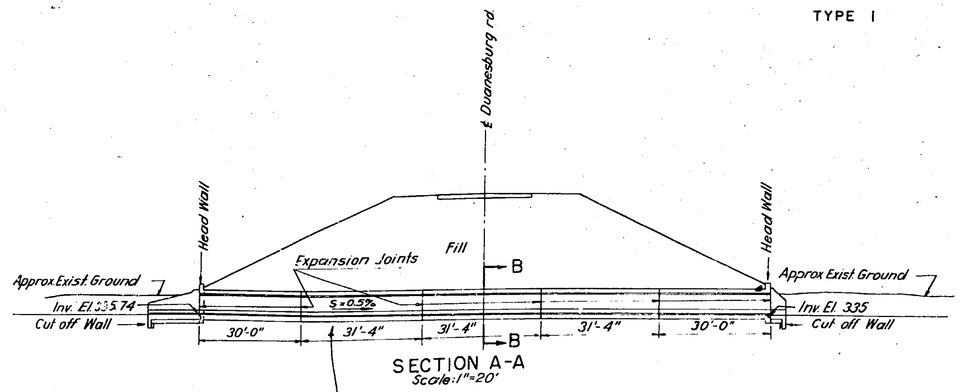
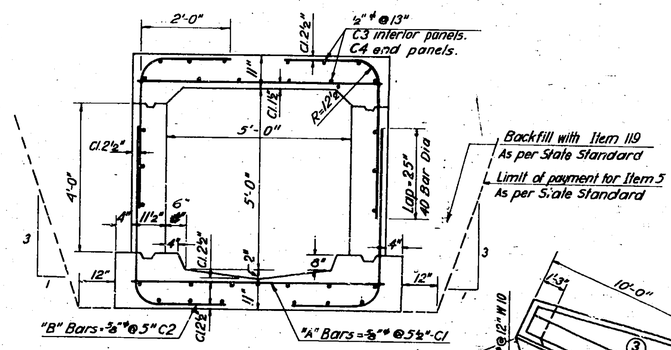


SECTION A-A
Scale: 1"=20'

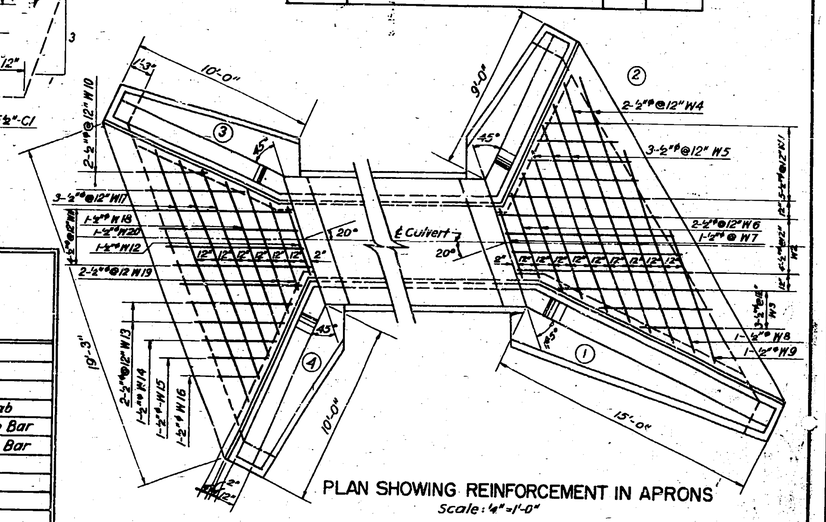
Note: Remove any soft material and replace with R08 gravel - Item 119.



SECTION B-B
Scale: 1"=2'-0"

ESTIMATE OF QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	NEAT QUAN.
5	Trench, Culvert & Bridge Excavation	C.Y.	431
15-2	Portland Cement Type 2	Bbl.	259
15-N	Natural Cement Type N	Bbl.	37
18	Class IA Concrete for Structures	C.Y.	174
28	Bar Reinforcement for Structures	Lbs.	19000
119	Run of Bank Gravel Fill	C.Y.	250

LOCATION OF BARS	MARK	SIZE	NO. REQ'D	LENGTH	TYPE	A	B	C	R	REMARKS.
CULVERT	C1	⅝"ϕ	656	6'-6"	Str					Top & Bot. Slab
	C2	⅝"ϕ	1456	5'-11"	1	11½"	1'-7⅞"	3'-4"	12½"	Top & Bot. Slab
	C3	½"ϕ	90	30'-9"	Str.					Top & Bot. Slab, Side Slab
	C4	½"ϕ	60	30'-10" 2@ 0"-4"	Str.					do-End Panels ΔL=6" Each Bar
	C5	½"ϕ	16	5'-4" 2@ 2'-8"	Str.					End Panels ΔL=1'-3" Each Bar
	C6	⅜"ϕ	16	7'-0"	Str.					do
APRONS	W1	½"ϕ	5	3'-6" 2@ 1'-9"	Str.					Right Apron ΔL=12"
	W2	½"ϕ	4	3'-10" 2@ 1'-10"	Str.					do ΔL=4"
	W3	½"ϕ	3	2'-3" 2@ 1'-0"	Str.					do ΔL=1'-6"
	W4	½"ϕ	2	12'-6" 14@ 0'-11"	Str.					do ΔL=1'-0"
	W5	½"ϕ	3	10'-2" 2@ 5'-1"	Str.					do ΔL=2'-0"
	W6	½"ϕ	2	8'-10" 2@ 4'-10"	Str.					do ΔL=2'-0"
	W7	½"ϕ	1	4'-0"	Str.					do
	W8	½"ϕ	1	11'-8"	Str.					do
	W9	½"ϕ	1	7'-9"	Str.					do
	W10	½"ϕ	2	3'-6" 2@ 1'-9"	Str.					Left Apron ΔL=2'-0"
	W11	½"ϕ	4	7'-8" 2@ 3'-10"	Str.					do
	W12	½"ϕ	1	6'-9"	Str.					do
	W13	½"ϕ	2	8'-8" 2@ 4'-4"	Str.					do ΔL=1'-0"
	W14	½"ϕ	1	4'-3"	Str.					do
	W15	½"ϕ	1	3'-6"	Str.					do
	W16	½"ϕ	1	2'-8"	Str.					do
	W17	½"ϕ	3	14'-10" 10'-10"	Str					do ΔL=2'-0"
	W18	½"ϕ	1	9'-2"	Str.					do
	W19	½"ϕ	2	5'-4" 2@ 2'-8"	Str.					do ΔL=2'-0"
	W20	½"ϕ	1	4'-2"	Str.					do



PLAN SHOWING REINFORCEMENT IN APRONS
Scale: ¼"=1'-0"

GENERAL NOTES:

Design Specifications: AASHO 1949.
Loading: H20-S16, and current modifications & additions.
Material & fabrication: Specifications of New York State Department of Public Works dated Jan., 2, 1951 & current modifications and additions.
All concrete shall be Item 18.
The cost of furnishing & installing copper flashing shall be included in the price bid for Item 18.
All Bar Reinforcement shall be Item 28.
A waterproofing oil treatment as specified in M-41-W shall be applied to all exposed surfaces of concrete.
Construction joints other than those show will not be permitted without written permission of the Deputy Chief Engineer (Bridges).
For additional notes & details see Standard Sheet 40-101 R to be furnished by the Engineer.

MOHAWK THRUWAY
CULVERT UNDER RELOCATED DUANESBURG RD.
RELOCATED ROAD STATION 9+00
SCHENECTADY COUNTY
ADDITION TO STATE STANDARD DWG'S FOR
STANDARD CLOSED BOX CULVERTS

SCALE AS SHOWN

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No. 195

Prepared and Recommended:
E. H. HARLOW, V.P. N. Y. STATE P. E. LIC. NO. 20747 DATE May 12 '52
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N. Y.

Made by G. Karachansky PLAN
Traced by G. Karachansky
Checked by W.H. Jacobsen
PROFILE

481-3-10A-49

M.T. 53-3 S.T 53-7 R.C. 53-19

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			16	157
N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				

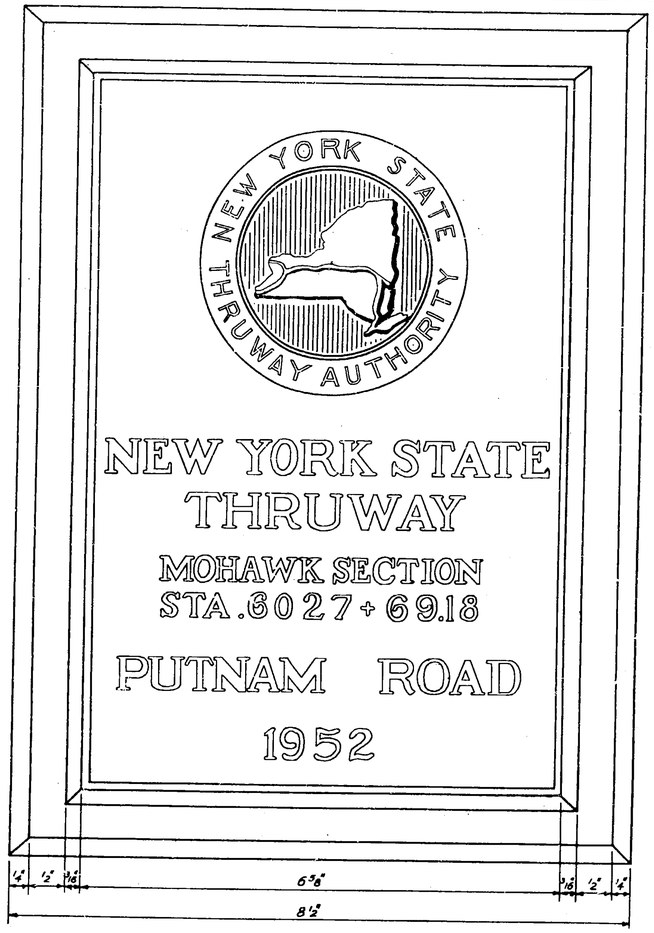
NEW YORK STATE THRUWAY AUTHORITY

NEW YORK STATE THRUWAY

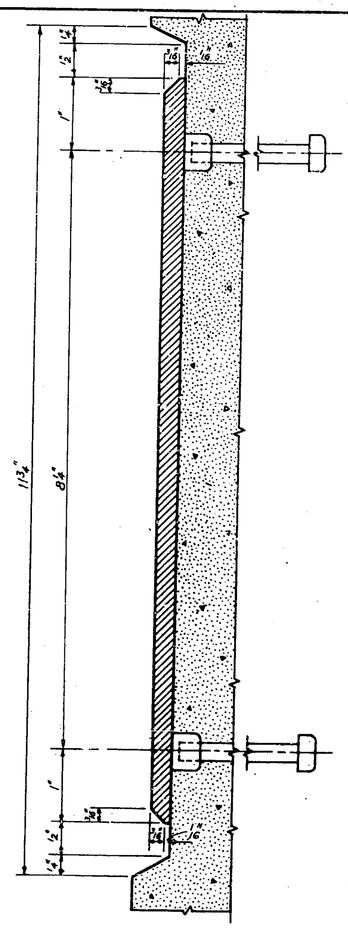
MOHAWK SECTION
STA. 6027+69.18

PUTNAM ROAD

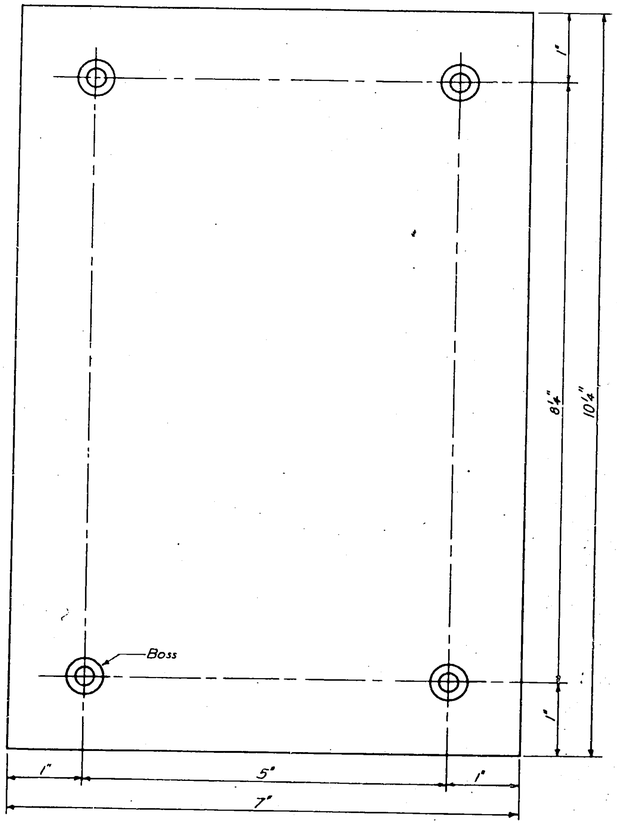
1952



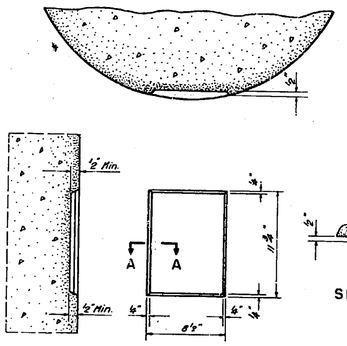
FRONT ELEVATION



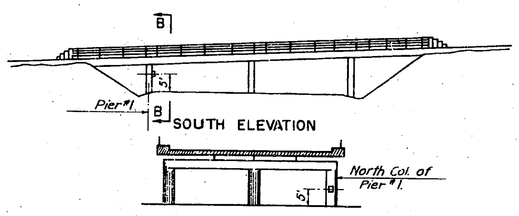
VERTICAL SECTION



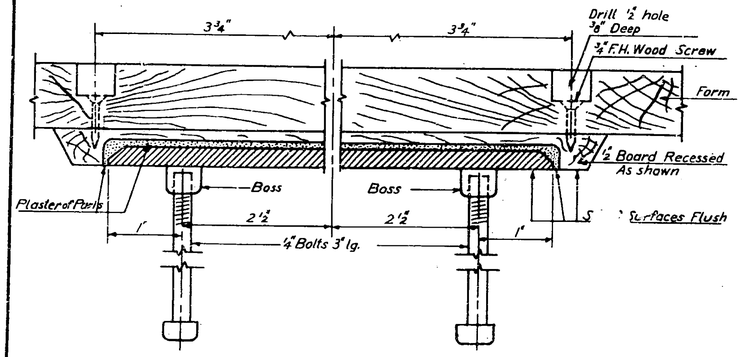
TEMPLATE



DETAIL OF NAME PLATE RECESS IN CURVED SURFACE
Scale: 1½"-1'-0"



SECTION B-B



HORIZONTAL SECTION

IDENTIFICATION PLATE
Scale - Full Size

NOTE

Cut and bevel a ½"x8½" board to dimensions shown and gouge to form a recess about 5/16 deep and ½" larger than bronze plate. Fill recess in board with plaster of paris and set plate so that back of plate surface of plaster and face of board form a smooth flush surface. Fasten to inside of form with wood screws. When concrete is being placed, very careful spading must be continued back of plate so that the surface of the panel will be free from bubble holes, puckets or exposed coarse aggregate. When removing forms, do not attempt to pull away the ½" board, but cut away both board and plaster after form has been removed.

LOCATION OF IDENTIFICATION PLATE
Scale - As shown

REFERENCE DRAWINGS

General Plan, Elevation & Notes ____ F2
Railing & Pylon Location ____ F10

MOHAWK THRUWAY
UNDER PUTNAM ROAD
PT. I, CO. RD. #26R
STA. 6027+69
SCHENECTADY COUNTY

IDENTIFICATION PLATE

SCALE— AS SHOWN

DWG. NO. 481-3-10E-1001

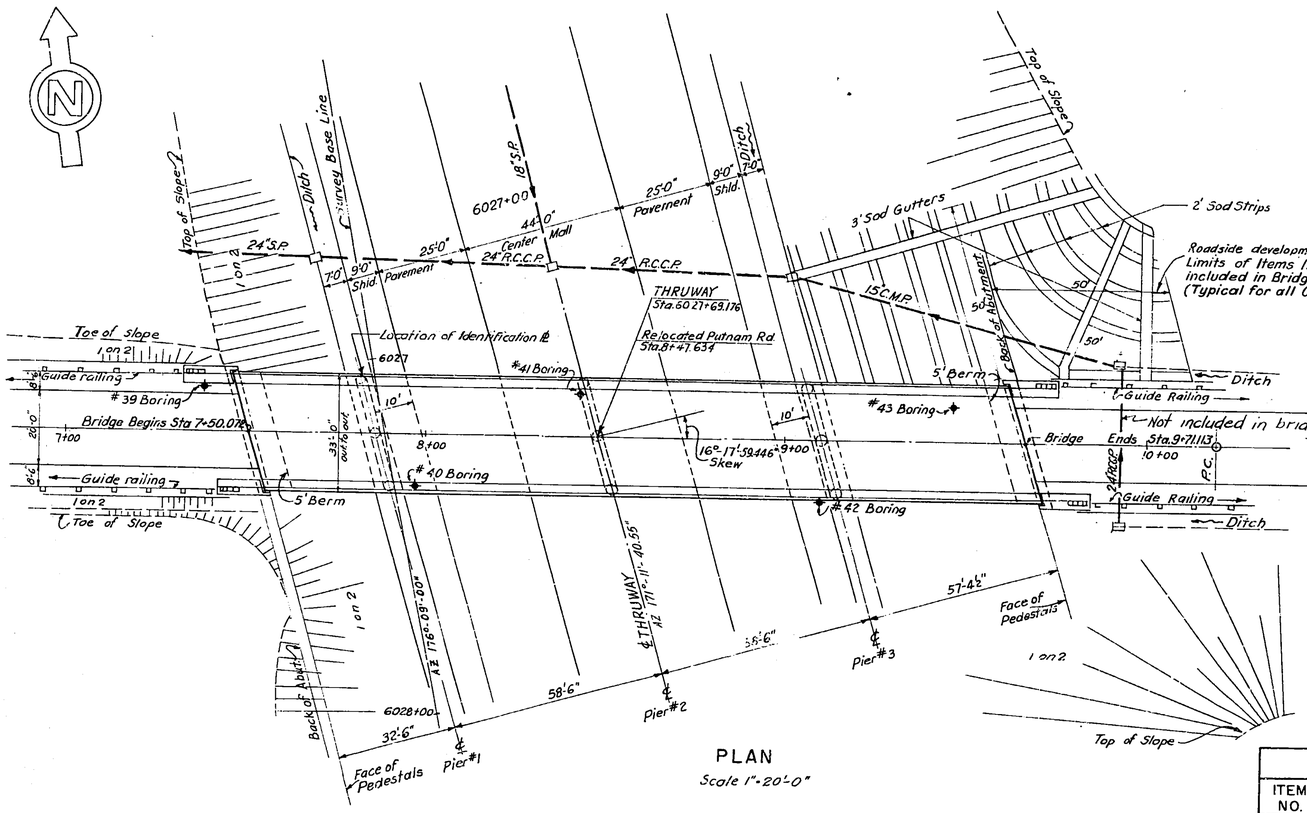
Prepared and Recommended:
E.H. Harlow, VICE PRES. N.Y. STATE P. E. LIC. NO. 20147 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: W. Lush
Checked by: Romo-Leroux
Traced by: O. Wisprew
Tracing Chk by: A. Paschuk

F1

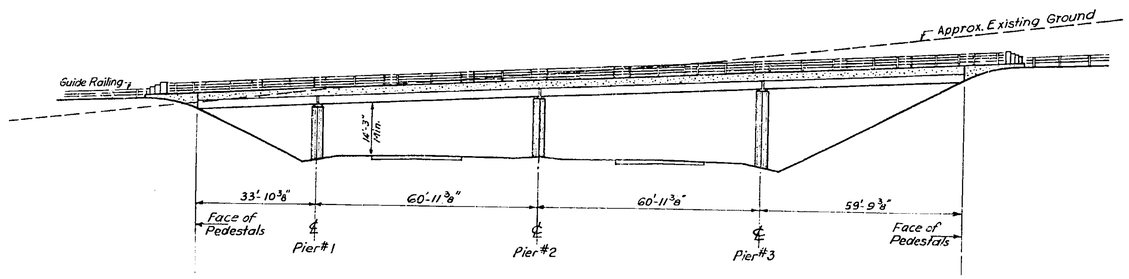
S.T. 56-7

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			17	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



PLAN

Scale 1"=20'-0"



NORTH ELEVATION

Scale 1"=20'-0"

GENERAL NOTES:

All concrete, except in pavement & Pylons shall be Item 18 "Class IA Concrete for Structures"
Concrete in pavement shall be Item 47B "Cement Concrete Pavement."
Concrete in pylons shall be Item 19 "Class IA Concrete for Railings."
The cost of furnishing and installing caulking compound, premoulded bituminous ... joint, Item 7B material, sponge rubber joint material, & copper flashing shall be included in the prices bid for the various items in this contract.
After the concrete is cured, the contractor shall apply a waterproofing oil treatment, as described in the specifications for M-41 W, to all exposed surfaces, except on the underside of slabs. Two coats of waterproofing oil treatment shall be applied to the top of the slab; the second coat shall be applied two days prior to the placing of the pavement or sidewalk. (Prices to be included in the Unit Price for Concrete Slabs).
Material & fabrication: Specifications of New York State Department of Public Works dated Jan. 2, 1951 & current modifications & additions.
Design Specifications: AASHO 1949
Loading: H20 - S16 - 44
The contractors attention is directed to the special notes for this structure which appear in the Proposal. Particular attention is directed to the special notes, which briefly outline the anticipated sub-surface conditions at the site of the structures & which specify certain requirements relative to the construction. No construction joints other than those shown on the plans shall be permitted without the written permission of the Deputy Chief Engineer (Bridges).
Where caulking compound is to be used, the sides of the joints shall be primed with a material satisfactory to the manufacturer of the caulking compound, 20 to 30 minutes before the compound is placed. All joints must be thoroughly clean & dry before the priming coat is applied. Work must be performed by experienced men in this type of work.
Field connections shall be made with turned bolts, rivet bolts or approved equal.
Immediately before placing pavement concrete, the concrete surface upon which it is to be placed shall be thoroughly wetted down continuously for one hour, if the air temperature is above 50°F.
Sponge rubber shall meet the requirements of the standard specification for Preformed Expansion Joint Fillers for concrete, A.S.T.M. Designation D 544.
Where steel exceeding one inch in thickness is to be welded, electrodes of classification number E 6015 or E 6016 shall be used.
All anchor bolts shall be accurately set and securely held in position in the forms while concrete is being poured.
Cement for "Cement Concrete Pavement" Item 47B, shall consist of 87½% by volume of "Portland Cement, Type 2A", Item 15-2A and 12½% of "Natural Cement, Type N," Item 15 N
The Contractor's and Engineer's attention is called to the possibility of interference between the reinforcing steel in the slab and the beam spirals. To avoid this interference the bar spacing may be varied 1" with the understanding that the required area of steel will be placed in each 5'±. Even then some some bars bars may have to be threaded thru one or more spirals.
This spiral note applies to all bridges with spirals in this contract.

ESTIMATED QUANTITIES.

ITEM NO.	DESCRIPTION.	UNIT.	COMBINED NEAT.	COMBINED ROUND	SUPERST. NEAT.	SUPERST. ROUND	SUBSTR. NEAT.	SUBSTR. ROUND
5	Trench, Culvert & Bridge Excavation	C.Y.	630	650			630	650
15-2	Portland Cement Type 2	Bbl.	935	960	412	424	523	536
15 N	Natural Cement Type N	Bbl.	135	150	46	48	89	78
18	Class IA Concrete for Structures.	C.Y.	595	620	224	232	371	388
19	Class IA Concrete for Railings	C.Y.	3	4			3	4
* 25 F	Steel Fabric Reinforcement	S.Y.	640	650	640	650		
28	Bar Reinforcement for Structures	Lb.	85,750	88000	85,750	88,000		
28B	Spiral Bar Shear Connectors	Lb.	3,160	3,500	3,160	3,500		
29	Structural Steel	Lb.	214,893	220,000	216,893	220,000		
37	Metal Railing	L.F.	473	475	473	475		
47B	Cement Concrete Pavement	C.Y.	70	80	70	80		
79	Dry Stone Paving	S.Y.	380	400			380	400
119	Run of Bank Gravel Fill	C.Y.	1050	1200			1050	1200
121	Topsoil Placed from Stockpiles	C.Y.	140	150			140	150
123B	Seeding on Prepared Areas	Acres	0.36	1			0.36	1
124	Sodding	S.Y.	464	500			464	500
10YRA	Pipe Underdrain, Optional, 4" dia.	L.F.	108	120			108	120
200S	Conduits	L.S.	Nec.	Nec.	Nec.	Nec.		

* Steel Fabric Reinforcement shall be furnished in Flat Sheets.

LIST OF DRAWINGS

TITLE	SHEET NO.
Identification Plate	F1
General Plan, Elevation & Notes	F2
Profiles & Sections	F3
Abutments, Plan & Elevations	F4
Abutments, Sections & Details	F5
Piers, Plan, Elevations, Sections, Details	F6
Footings, Plans & Sections	F7
Bridge Slab, Plan, Sections & Details	F8
Beams & Diaphragms, Plan, Sections & Det.	F9
Railing & Pylon Location	F10
Standard Bridge Details	F11
Standard Bridge Details	F12
Bar Schedule	F13

Prepared and Recommended:
E. H. Harlow
E.H. HARLOW, VICE PRES N.Y. STATE P. E. LIC. NO. 20747
Jan 9 '53 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: C. Grant
Checked by: Roma-Leroux
Traced by: C. Grant
Tracing Chk by: A-Paschyk

MOHAWK THRUWAY
UNDER PUTNAM ROAD
PT. 1, CO. RD. #26R
STA. 6027 + 69
SCHENECTADY COUNTY

GENERAL PLAN ELEVATION & NOTES

SCALE - AS SHOWN

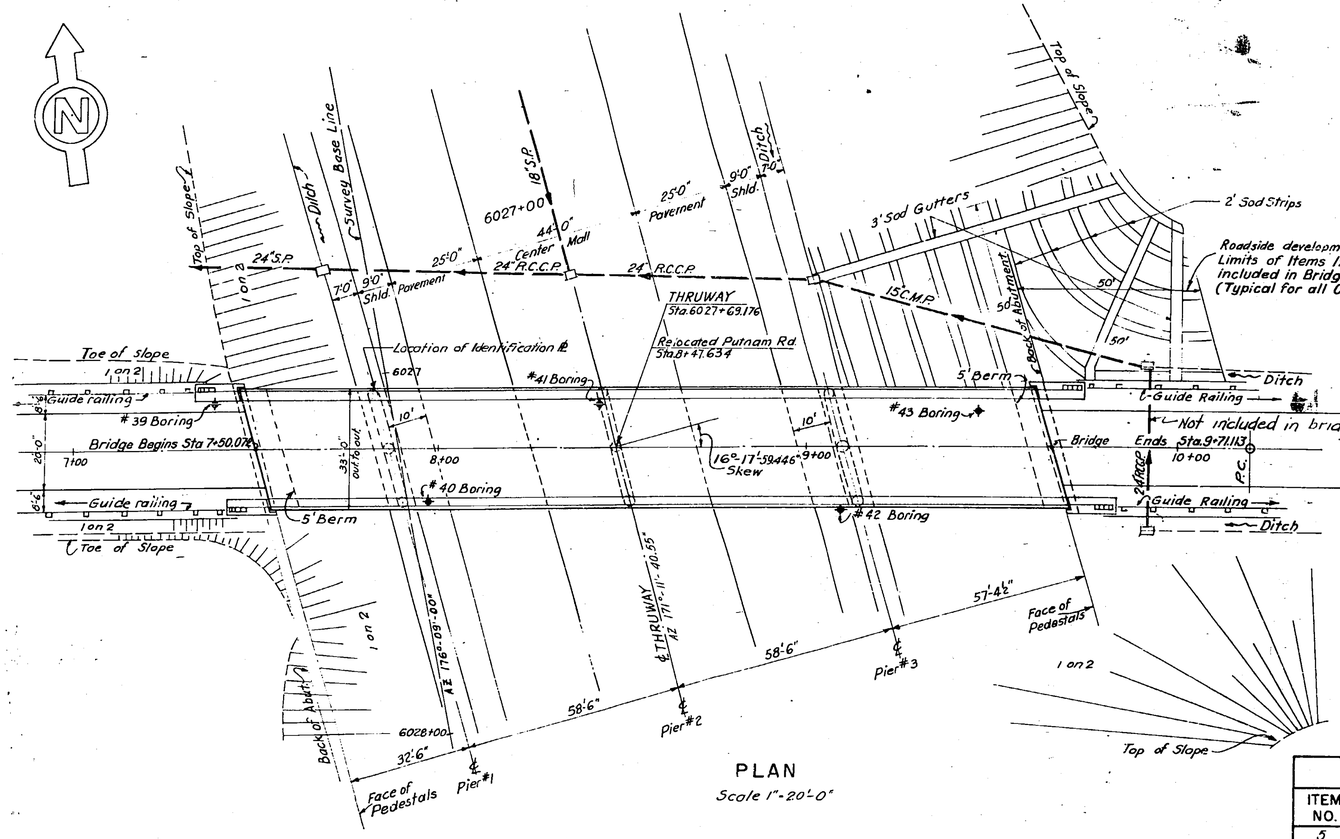
DWG NO. 481-3-10E-1002

F2

S.T. 5

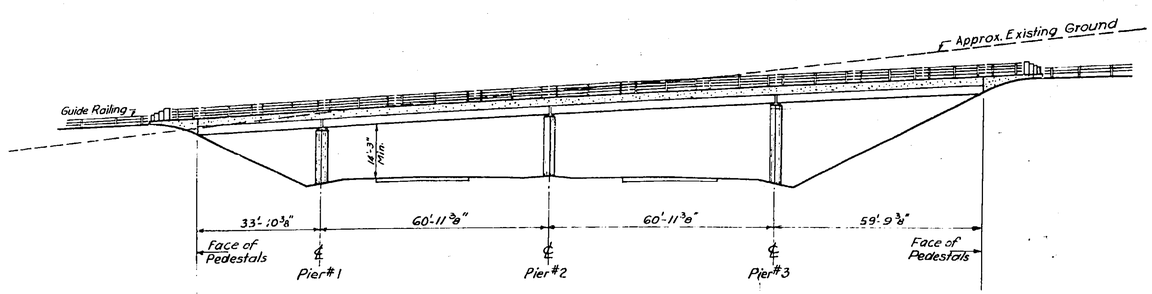
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			17	157
N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				

17R



PLAN

Scale 1"-20'-0"



NORTH ELEVATION

Scale 1"-20'-0"

GENERAL NOTES:

All concrete, except in pavement & Pylons shall be Item 18 "Class 1A Concrete for Structures"
Concrete in pavement shall be item 47B "Cement Concrete Pavement."
Concrete in pylons shall be item 19 "Class 1A Concrete for Railings."
The cost of furnishing and installing caulking compound, premoulded bituminous joint material, sponge rubber joint material, & copper flashing shall be included in the prices bid for the various items in this contract.
After the concrete is cured, the contractor shall apply a waterproofing oil treatment, as described in the specifications for M-41W, to all exposed surfaces, except on the underside of slabs. Two coats of waterproofing oil treatment shall be applied to the top of the slab; the second coat shall be applied two days prior to the placing of the pavement or sidewalk. (Prices to be included in the Unit Price for Concrete Slabs).
Material & fabrication: Specifications of New York State Department of Public Works dated Jan. 2, 1951 & current modifications & additions.
Design Specifications: AASHO 1949
Loading: H20 - S16 - 44.
The contractors attention is directed to the special notes for this structure which appear in the Proposal. Particular attention is directed to the special notes, which briefly outline the anticipated sub-surface conditions at the site of the structures & which specify certain requirements relative to the construction. No construction joints other than those shown on the plans shall be permitted without the written permission of the Deputy Chief Engineer (Bridges).
Where caulking compound is to be used, the sides of the joints shall be primed with a material satisfactory to the manufacturer of the caulking compound, 20 to 30 minutes before the compound is placed. All joints must be thoroughly clean & dry before the priming coat is applied. Work must be performed by experienced men in this type of work.
Field connections shall be made with turned bolts, rivet bolts or approved equal.
Immediately before placing pavement concrete, the concrete surface upon which it is to be placed shall be thoroughly wetted down continuously for one hour, if the air temperature is above 50°F.
Sponge rubber shall meet the requirements of the standard specification for Preformed Expansion Joint Fillers for concrete, A.S.T.M. Designation D 544.
Where steel exceeding one inch in thickness is to be welded, electrodes of classification number E 6015 or E 6016 shall be used.
All anchor bolts shall be accurately set and securely held in position in the forms while concrete is being poured.
Cement for "Cement Concrete Pavement" Item 47B, shall consist of 87½% by volume of "Portland Cement, Type 2A" Item 15-2A and 12½% of "Natural Cement, Type N," Item 15 N
The Contractor's and Engineer's attention is called to the possibility of interference between the reinforcing steel in the slab and the beam spirals. To avoid this interference the bar spacing may be varied 1" with the understanding that the required area of steel will be placed in each 5'±. Even then some some bars may have to be threaded thru one or more spirals.
This spiral note applies to all bridges with spirals in this contract.

ESTIMATED QUANTITIES.

ITEM NO.	DESCRIPTION:	UNIT.	COMBINED NEAT.	COMBINED ROUND	SUPERST. NEAT.	SUPERST. ROUND	SUBSTR. NEAT.	SUBSTR. ROUND
5	Trench, Culvert & Bridge Excavation	C.Y.	630	650			630	650
15-2	Portland Cement Type 2	Bbl.	935	960	412	424	523	536
15 N	Natural Cement Type N	Bbl.	135	150	46	48	89	73
18	Class 1A Concrete for Structures.	C.Y.	595	620	224	232	371	388
19	Class 1A Concrete for Railings	C.Y.	3	4			3	4
* 25 F	Steel Fabric Reinforcement	S.Y.	640	650	640	650		
28	Bar Reinforcement for Structures	Lb.	85,750	88,000	85,750	88,000		
28B	Spiral Bar Shear Connectors	Lb.	3,160	3,500	3,160	3,500		
29	Structural Steel	Lb.	214,833	220,000	214,833	220,000		
31	Metal Railing	L.F.	473	475	473	475		
47B	Cement Concrete Pavement	C.Y.	70	80	70	80		
79	Dry Stone Paving	S.Y.	380	400			380	400
119	Run of Bank Gravel Fill	C.Y.	1050	1200			1050	1200
121	Topsoil Placed from Stockpiles	C.Y.	140	150			140	150
123B	Seeding on Prepared Areas	Acres	0.36	1			0.36	1
124	Sodding	S.Y.	464	500			464	500
10YRA	Pipe Underdrain, Optional, 4" dia.	L.F.	108	120			108	120
200 S	Conduits	L.S.	Nec.	Nec.	Nec.	Nec.		

* Steel Fabric Reinforcement shall be furnished in Flat Sheets.

LIST OF DRAWINGS

TITLE	SHEET NO.
Identification Plate	F1
General Plan, Elevation & Notes	F2
Profiles & Sections	F3
Abutments, Plan & Elevations	F4
Abutments, Sections & Details	F5
Piers, Plan, Elevations, Sections, Details	F6
Footings, Plans & Sections	F7
Bridge Slab, Plan, Sections & Details	F8
Beams & Diaphragms, Plan, Sections & Det.	F9
Railing & Pylon Location	F10
Standard Bridge Details	F11
Standard Bridge Details	F12
Bar Schedule	F13

MOHAWK THRUWAY
UNDER PUTNAM ROAD
PT. 1, CO. RD. #26R
STA. 6027 + 69
SCHENECTADY COUNTY

GENERAL PLAN
ELEVATION & NOTES

SCALE - AS SHOWN

DWG NO. 481-3-10E-1002

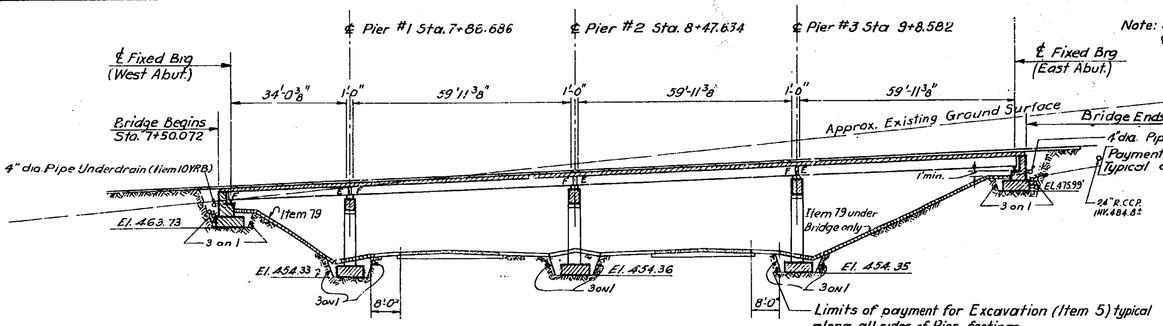
Prepared and Recommended:
E. H. Harlow — Jan 1 '52
E. H. HARLOW, VICE PRES. N.Y. STATE P. E. LIC. NO. 20747 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N. Y.

In Charge of: R. Harris
Made by: C. Grant
Checked by: Roma-Leroux
Traced by: C. Grant
Tracing Chk by: A-Paschuk

F2

S.T 55-7

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			18	157
N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				

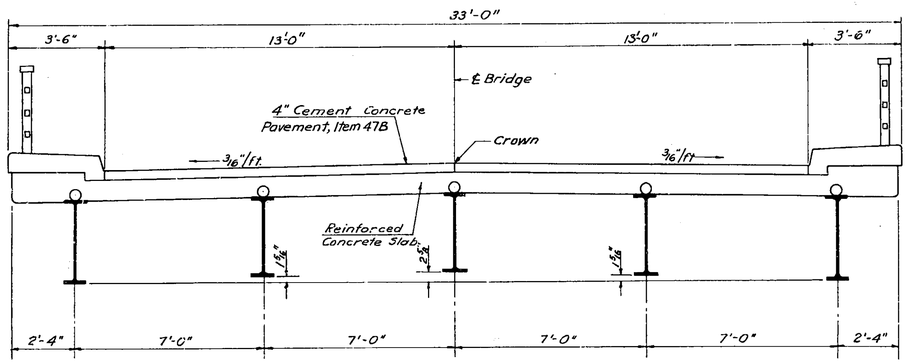


Note: Station are taken along ℄ of Bridge

LONGITUDINAL SECTION

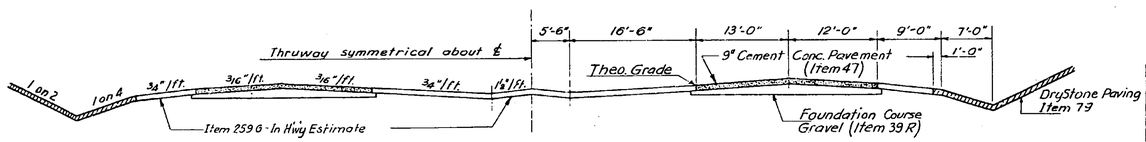
THROUGH ℄ OF BRIDGE

Scale 1"=20'-0"



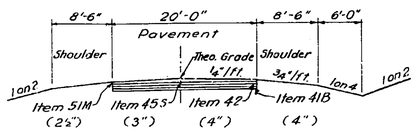
TYPICAL CROSS SECTION OF SUPERSTRUCTURE

Scale 3/8"=1'-0"



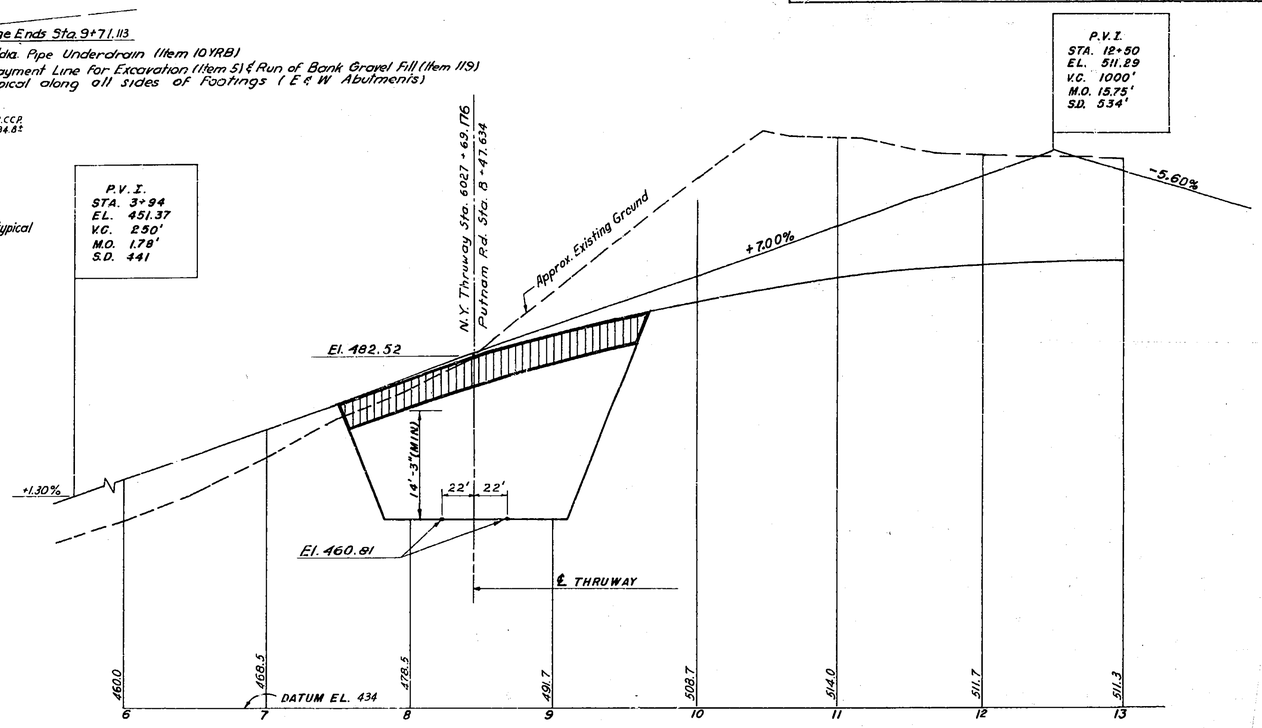
THRUWAY SECTION UNDER BRIDGE

Scale: 1"=10'-0"



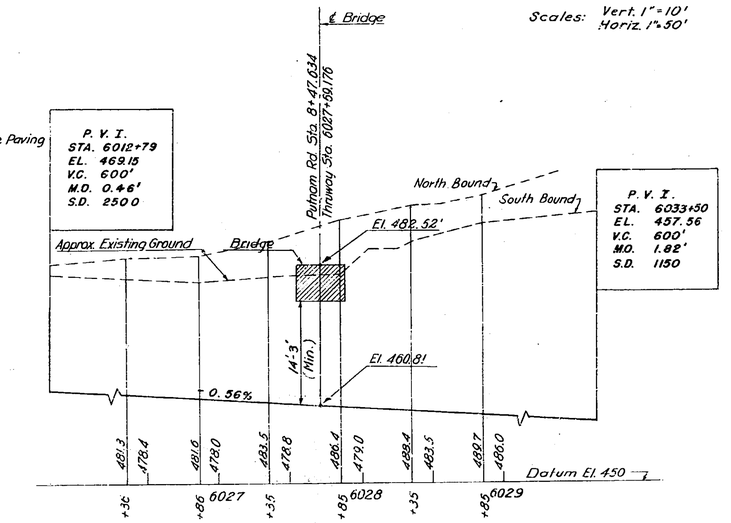
ROAD APPROACH SECTION

Scale: 1"=10'-0"



RELOCATED PUTNAM ROAD PROFILE

Scales: Vert. 1"=10' Horiz. 1"=50'



THRUWAY PROFILE

(Southbound)

Scale: Vert. 1"=10' Horiz. 1"=50'

REFERENCE DRAWINGS:

Thruway, Plan & Profile	481-3-10A3
Relocated Putnam Road	
Thruway Typical Section	481-3-70-4
General Plan, Elev. & Notes	F2

MOHAWK THRUWAY
UNDER PUTNAM ROAD
PT. 1, CO. RD. #26R
STA. 6027+69
SCHENECTADY COUNTY

PROFILES & SECTIONS

SCALE AS NOTED

Prepared and Recommended:

E. H. Harlow — Jan 9 '63

E. H. HARLOW, VICE PRES. N.Y. STATE P. E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

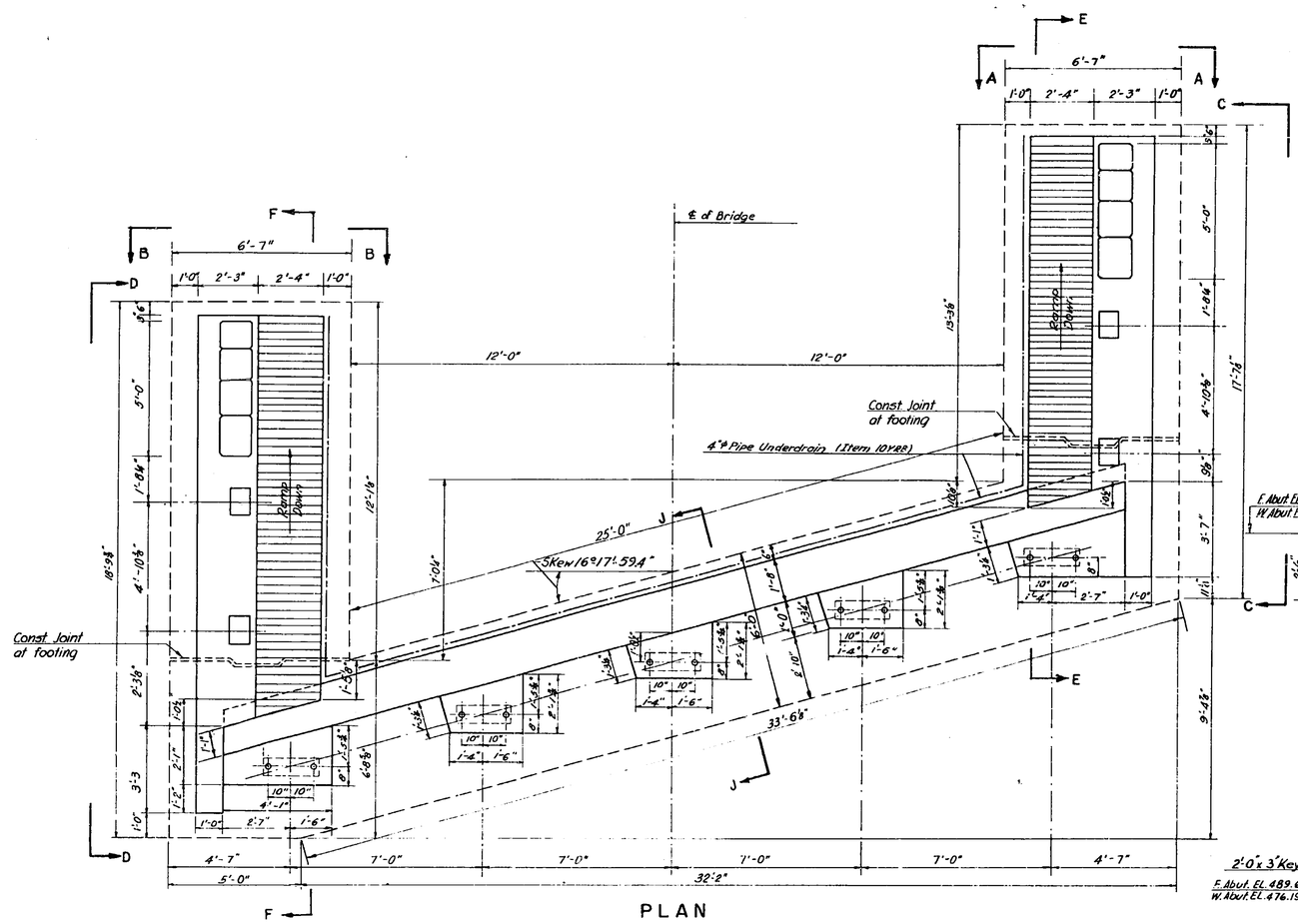
In Charge of: R. Harris
Made by: O. Wisprew.
Checked by: Romo-Leroux
Traced by: O. Wisprew
Tracing Ch'k by: J. Davison

DWG. NO. 481-3-10E-1003

F 3

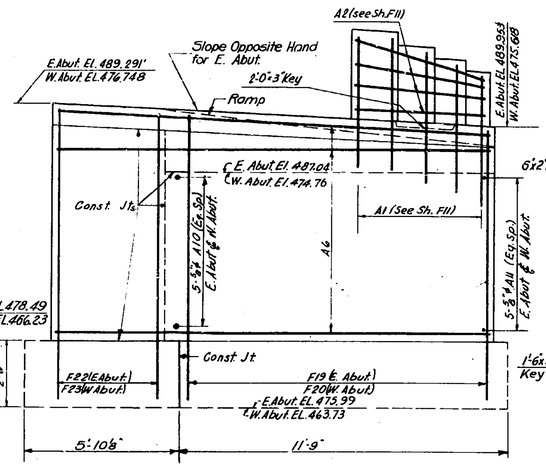
M.T. 53-3 S.T 53-7

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			19	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				

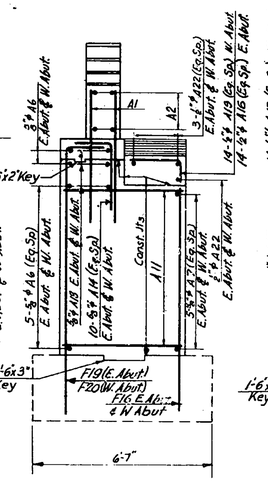


PLAN

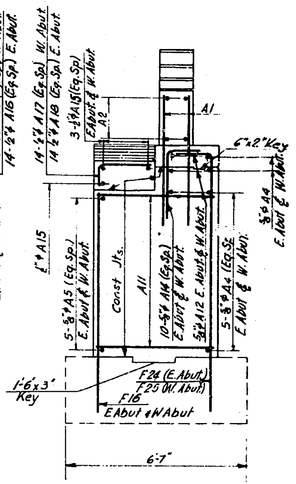
(EAST & WEST ABUTMENTS)



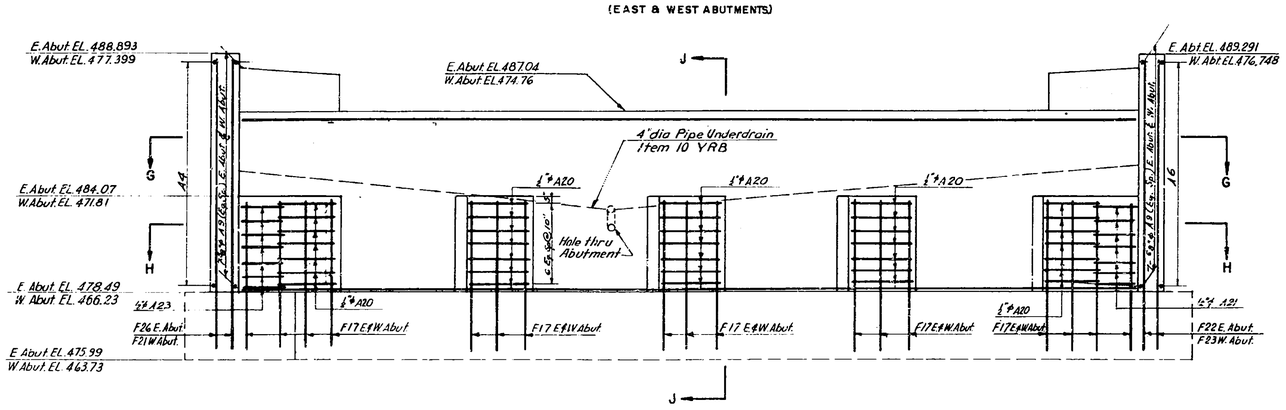
ELEVATION C-C



ELEVATION A-A

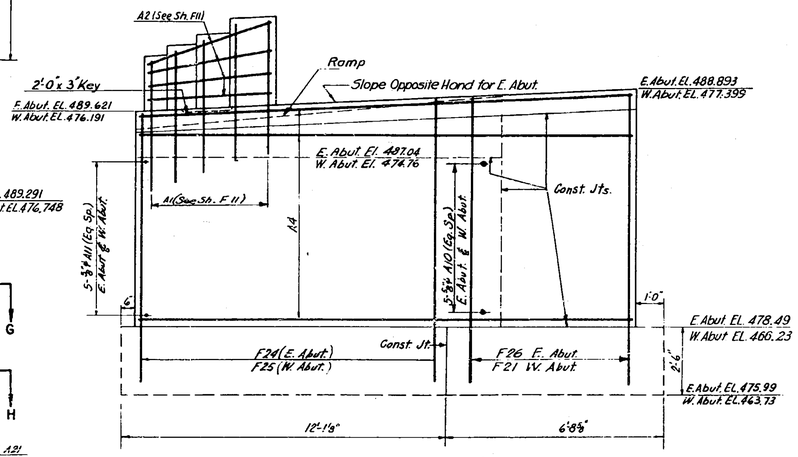


ELEVATION B-B



ELEVATION

(EAST & WEST ABUTMENTS.)



ELEVATION D-D

NOTES

Placing dimensions given center to center of bars unless noted.
Where reinforcement interferes with anchor bolts, sleeves, etc. shift or bend bars.
Concrete cover for reinforcement shall be 2" minimum.
For F bars see Sheet F7
Concrete for Abutments shall be Item 18.
Concrete for Pylons shall be Item 19.
Bar reinforcement for Abuts. & Pylons shall be Item 28.
Set anchor bolts in place with templates before pouring concrete.

REFERENCE DRAWINGS:

General Plan, Elevation & Notes	F2
Profiles & Sections	F3
Abutments, Sections & Details	F5
Footings, Plans & Sections	F7
Bridge Slab, Plan, Sections & Details	F8
Railing & Pylon Location	F10
Standard Bridge Details	F11
Standard Bridge Details	F12
Bar Schedule	F13

MOHAWK THRUWAY
UNDER PUTNAM ROAD
PT. I, CO. RD. #26R
STA. 6027+69
SCHENECTADY COUNTY

ABUTMENTS
PLAN & ELEVATIONS

SCALE: ⅜"=1'-0'

Prepared and Recommended:
E. H. Harlow
E H HARLOW, VICE PRES N.Y. STATE P.E. LIC. NO. 20747
Jan 9 '53 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: E. D'Alba
Checked by: Romo-Leroux
Traced by: Wisprew
Tracing Chk by: J.K. Davison

DWG. NO. 481-3-10 E-1004

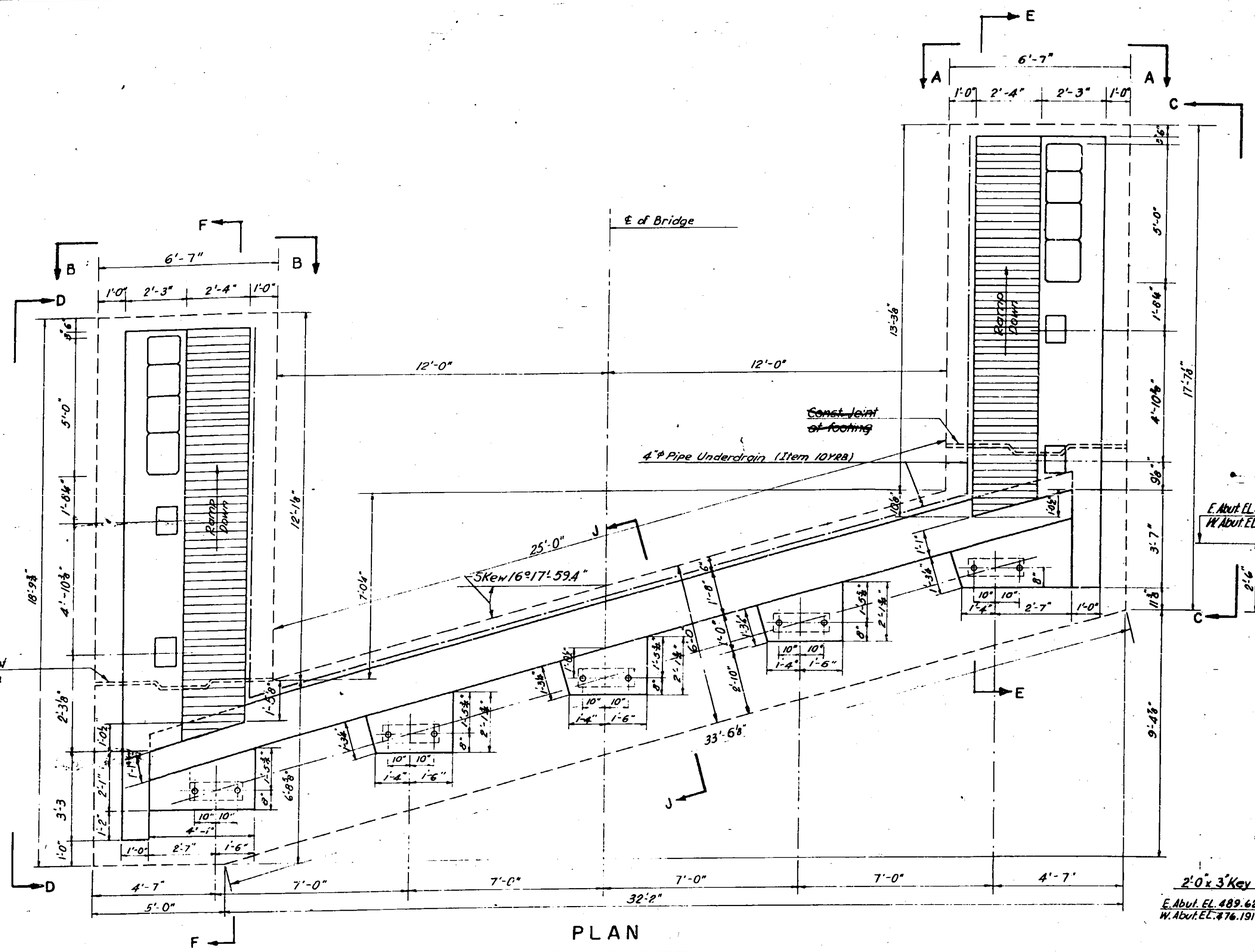
F4

M.T. 53-3 S.T 53-7

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			19	157

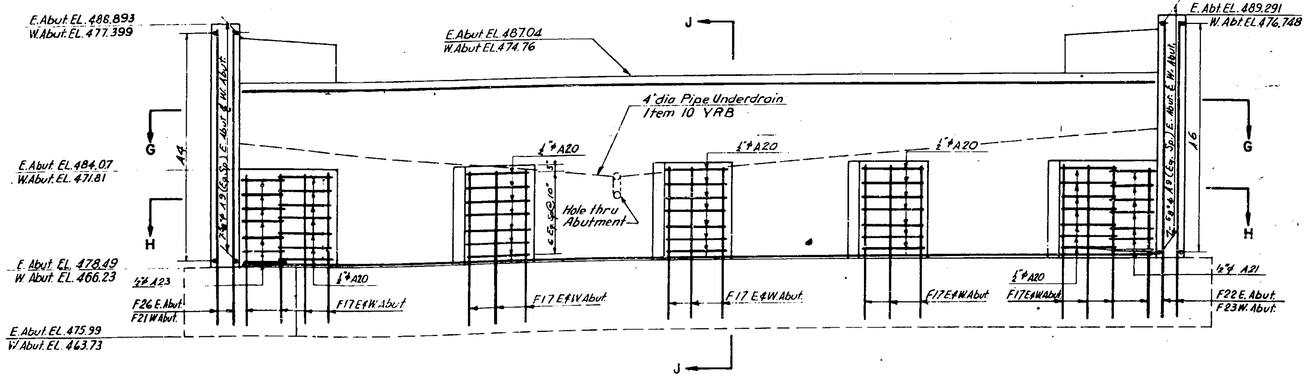
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1

19R



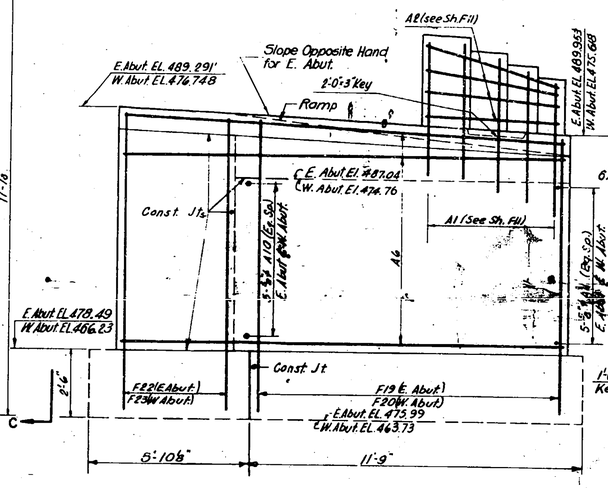
PLAN

(EAST & WEST ABUTMENTS)

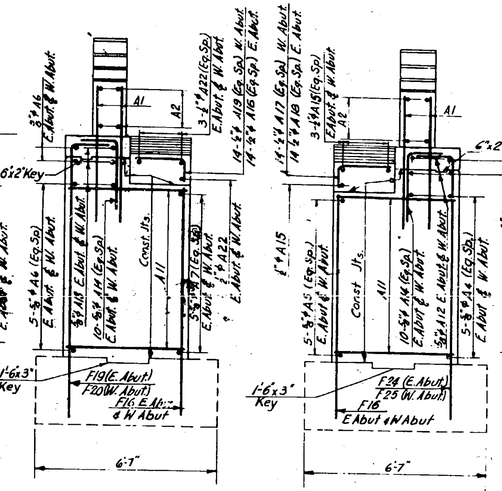


ELEVATION

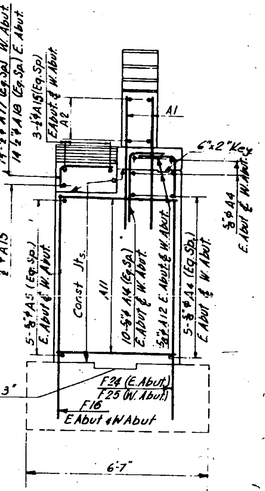
(EAST & WEST ABUTMENTS.)



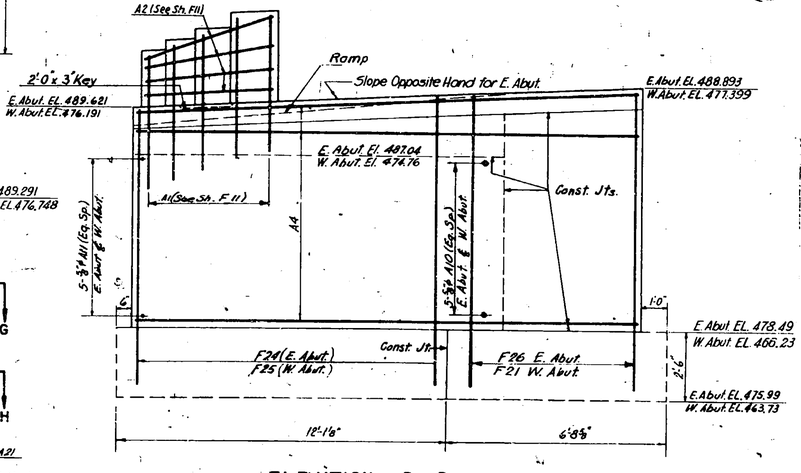
ELEVATION C-C



ELEVATION A-A



ELEVATION B-B



ELEVATION D - D

NOTES

Placing dimensions given center to center of bars unless noted.
Where reinforcement interferes with anchor bolts, sleeves, etc. shift or bend bars.
Concrete cover for reinforcement shall be 2" minimum.
For F bars see Sheet F7.
Concrete for Abutments shall be Item 18.
Concrete for Pylons shall be Item 19.
Bar reinforcement for Abuts. & Pylons shall be Item 28.
Set anchor bolts in place with templates before pouring concrete.

REFERENCE DRAWINGS:

General Plan, Elevation & Notes	F2
Profiles & Sections	F3
Abutments, Sections & Details	F5
Footings, Plans & Sections	F7
Bridge Slab, Plan, Sections & Details	F8
Railing & Pylon Location	F10
Standard Bridge Details	F11
Standard Bridge Details	F12
Bar Schedule	F13

MOHAWK THRUWAY
UNDER PUTNAM ROAD
PT. I, CO. RD. #26R
STA. 6027+69
SCHENECTADY COUNTY

ABUTMENTS
PLAN & ELEVATIONS

- SCALE: ⅜"=1'-0'

DWG. NO. 481-3-10 E-1004

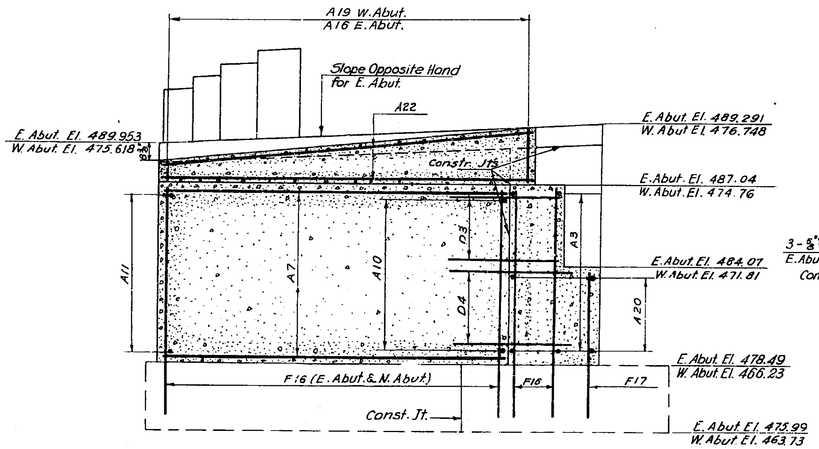
Prepared and Recommended:
E.H. Harlow — Jan 4'53
E. H. HARLOW, VICE PRES. N.Y. STATE P. E. LIC. NO. 20747 DATE
FREDERIC R. HARRIS, INC. CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: E. D'Alba
Checked by: Romo-Leroux
Traced by: Wisprew
Tracing Chk by: J.K. Davison

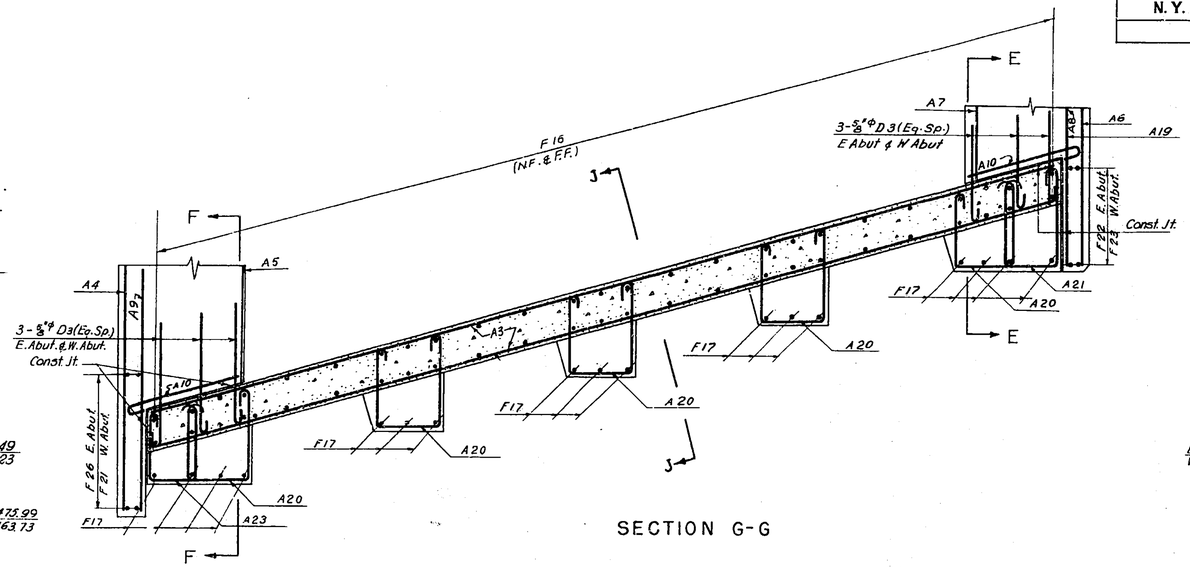
F4

M.T. 53-3 S.T 53-7

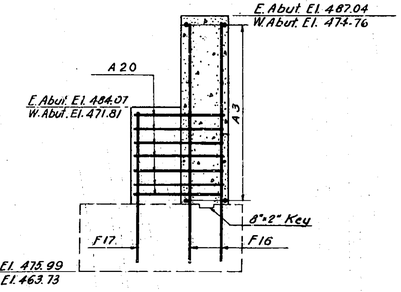
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			20	157
N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



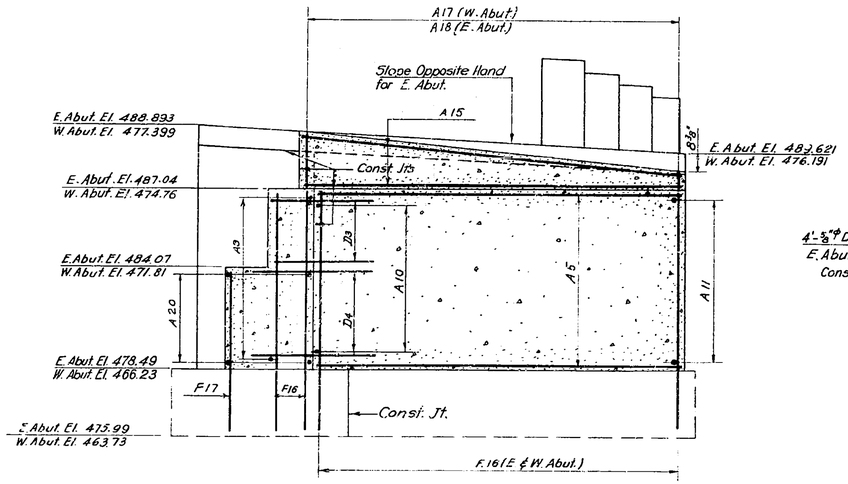
SECTION E-E



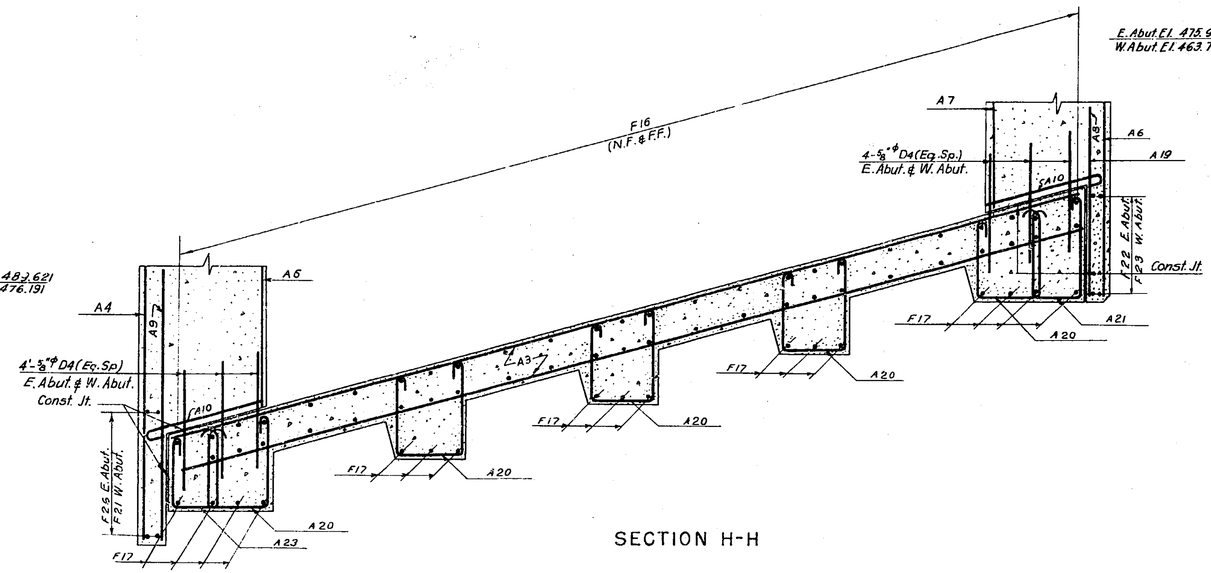
SECTION G-G



SECTION J-J



SECTION F-F



SECTION H-H

NOTES:

Placing dimensions given center to center of bars unless noted.
Where reinforcement interferes with anchor bolt sleeves etc. shift or bend bars.
Concrete cover reinforcement shall be 2" minimum.
For F bars see sheet F7
Concrete for Abutments shall be Item 18
Reinforcing " " " Item 28

REFERENCE DRAWINGS:

General Plan & Notes	F2
Abutments, Plans & Elevations	F4
Footings, Plans & Sections	F7
Standard Bridge Details	F11
Standard Bridge Details	F12
Bar Schedule	F13

MOHAWK THRUWAY
UNDER PUTNAM ROAD
PT. I, CO. RD. #26R
STA. 6027+69
SCHENECTADY COUNTY

ABUTMENTS
SECTIONS & DETAILS

SCALE ⅜" = 1'-0"

DWG. NO. 481-3-10E-1005

Prepared and Recommended:
E. D'Alba
E. D'ALBA, ASSOC. ENG'R N.Y. STATE P. E. LIC. NO. 20747
Jan 9 '53 DATE

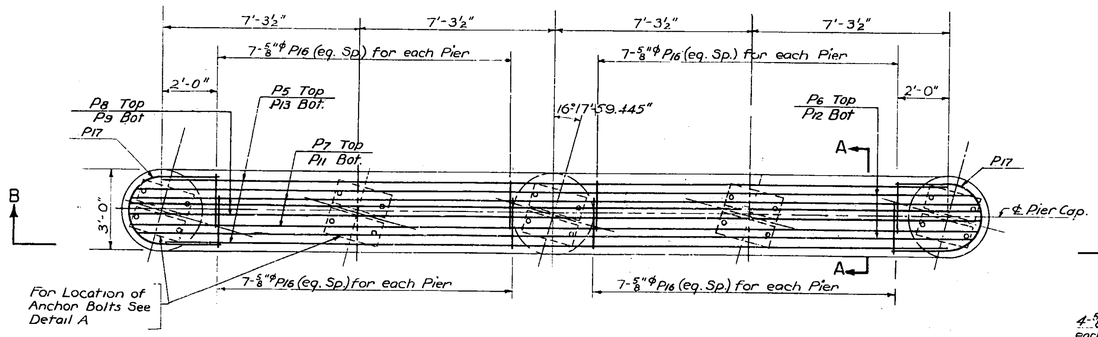
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: E. D'Alba
Checked by: R-Leroux
Traced by: O. Wisprew.
Tracing Chk by: J. Davison

F5

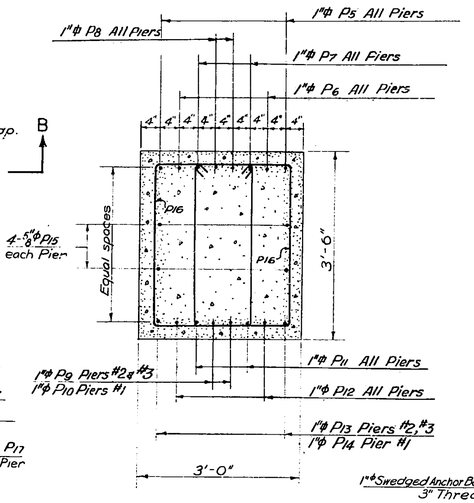
M.T. 53-3 S.T 53-7

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			21	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



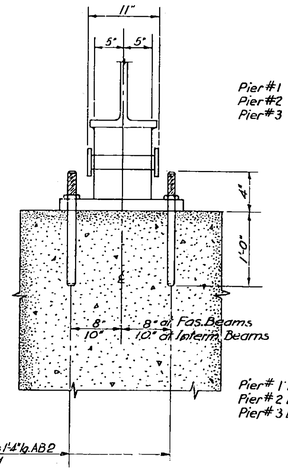
CAP PLAN

Scale: ⅜"=1'-0"



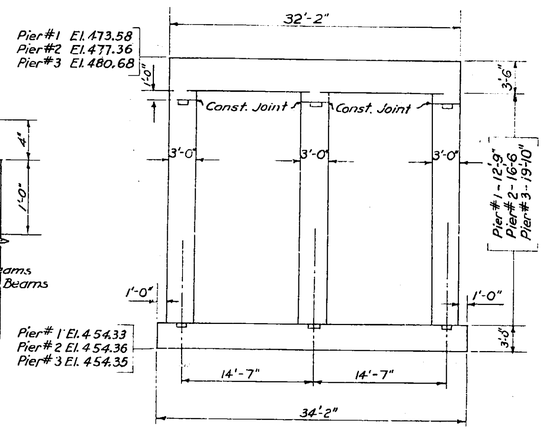
SECTION A-A

Scale ¾"=1'-0"



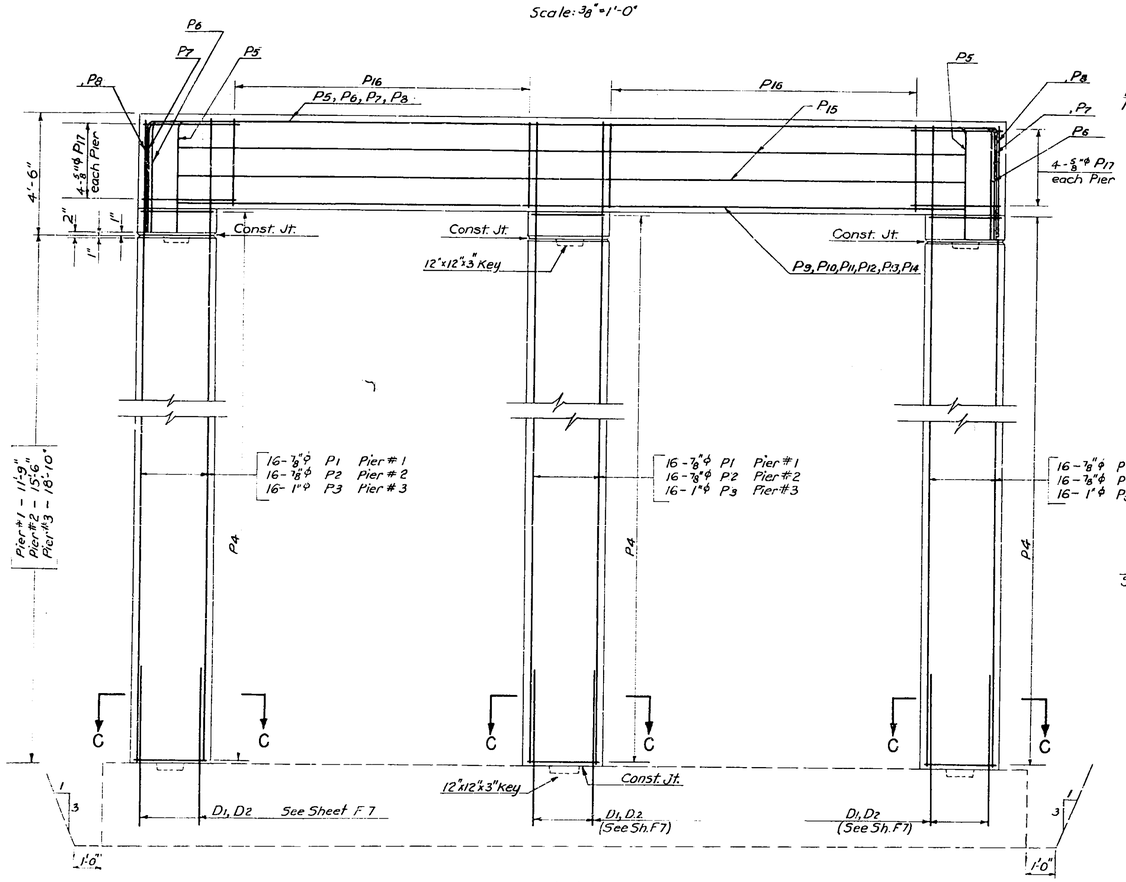
SECTION D-D

Scale: 1"=1'-0"



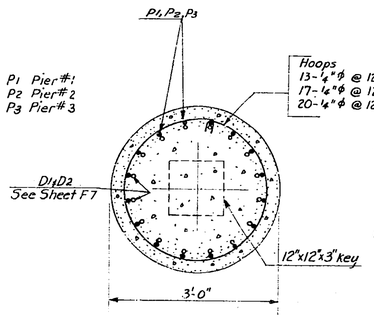
ELEVATION

Scale: ⅛"=1'-0"



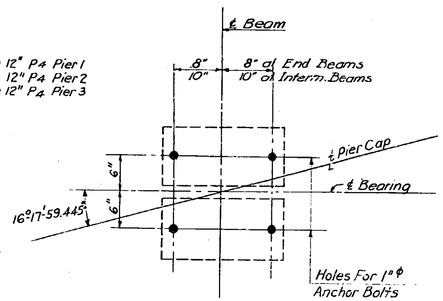
ELEVATION B-B

Scale: ⅜"=1'-0"



SECTION C-C

Scale: ¾"=1'-0"



DETAIL A

Scale: 1"=1'-0"

NOTES:

Placing dimensions are given center to center of bars unless noted.
Where reinforcement interferes with anchor bolt sleeves, spiral connectors, etc., shift or bend bars
Concrete cover for reinforcement shall be 2" minimum unless noted.
Concrete for Piers shall be Item 18.
Bar Reinforcement for Piers shall be Item 28.
Anchor Bolts shall be Item 29.
For design purposes the assumed foundation pressure does not exceed 3 Tons per sq. ft.
All anchor bolts shall be accurately set and securely held in position in the forms while concrete is being placed.

REFERENCE DRAWINGS

Identification Plate ____ F1
General Plan, Elevation & Notes ____ F2
Profiles & Sections ____ F3
Footings, Plans & Sections ____ F7
Beams & Diaphragms, Plan, Sections & Details ____ F9
Standard Bridge Details ____ F12
Bar Schedule ____ F13

MOHAWK THRUWAY
UNDER PUTNAM ROAD
PT. I, CO. RD. #26R
STA. 6027+69
SCHENECTADY COUNTY

PIERS

PLAN, ELEV., SECT. & DET.

SCALE - AS SHOWN

DWG. NO. 48F3-10E-1C06

Prepared and Recommended:
E. H. Harlow
E. H. HARLOW, VICE PRES. N.Y. STATE P. E. LIC. NO. 20747
Jan Y '58
DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

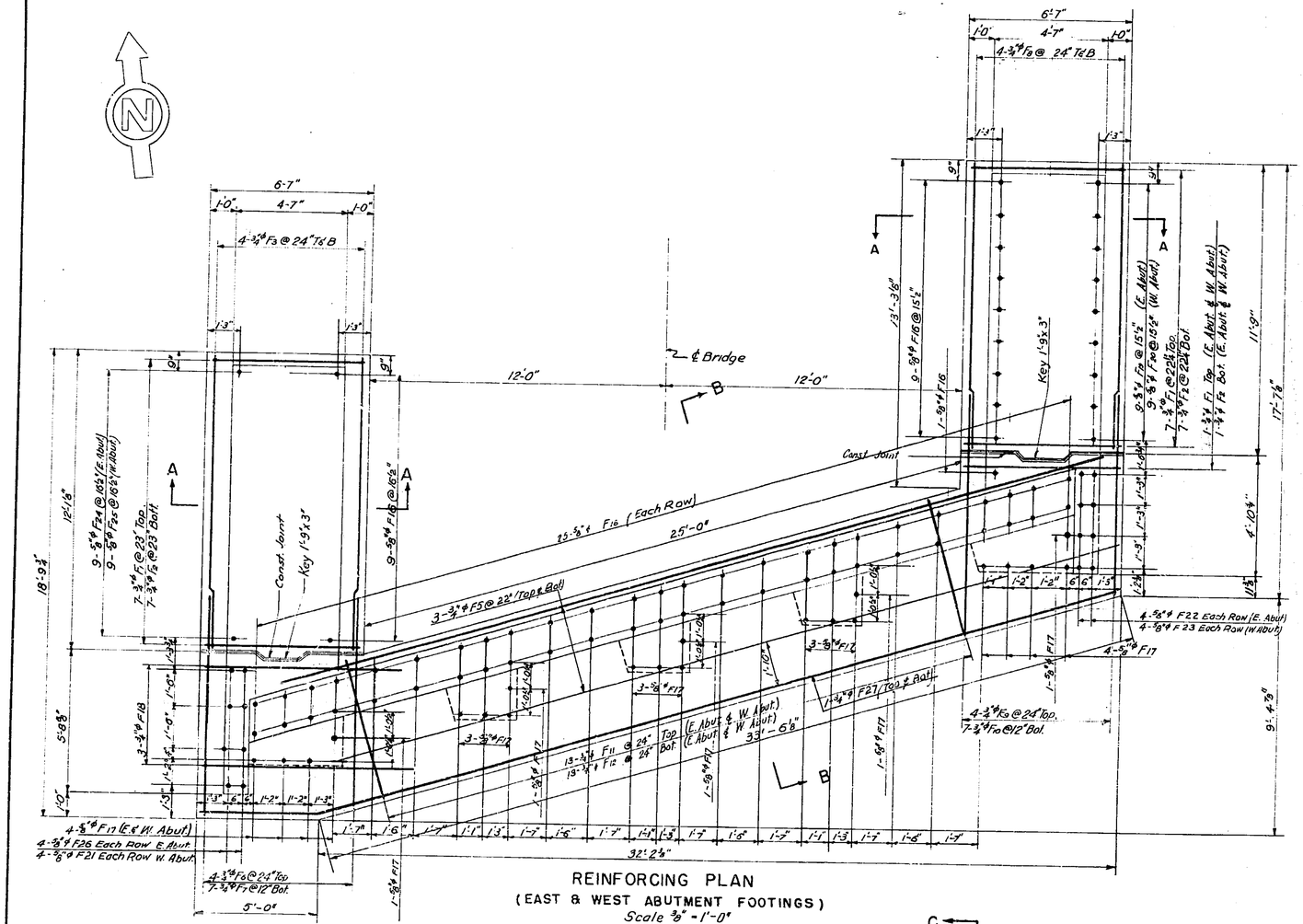
In Charge of: R. Harris
Made by: R. Lewicky
Checked by: Romo-Leroux
Traced by: C. Grant
Tracing Chk by: I.V. Davison

F 6

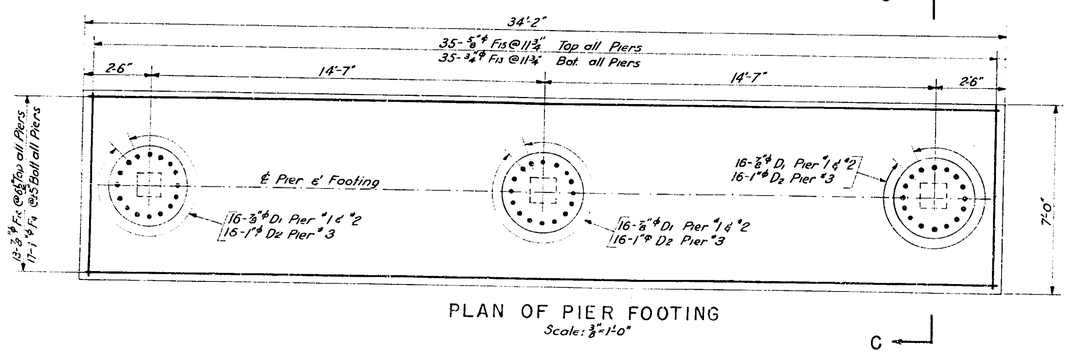
24:1

M.T. 53-3 S.T 53-7

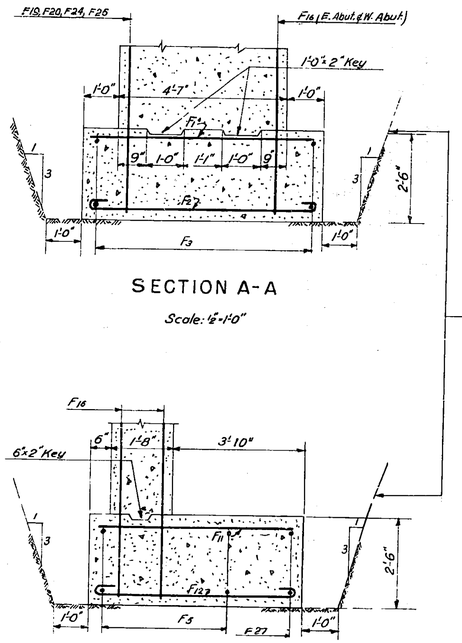
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			22	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



REINFORCING PLAN
(EAST & WEST ABUTMENT FOOTINGS)
Scale ⅜" = 1'-0"



PLAN OF PIER FOOTING
Scale: ⅜"=1'-0"



SECTION A-A
Scale: ½"=1'-0"

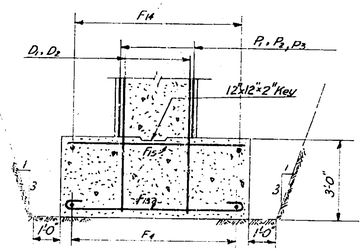
Payment line for Exavation (Item 5) and Run of Bank Gravel Fill (Item 119) (Typical along all sides of footings. Item 119 for Abutments only.)

SECTION B-B
Scale: ½"=1'-0"

NOTES:
Placing dimensions are given center to center of bars, unless noted.
Minimum lap length for splices shall be 40 diameters
Concrete cover for reinforcement shall be 3" minimum. unless noted.
For design purposes the assumed foundation pressure does not exceed 3 Tons per sq. ft. for abutments and for piers.
Concrete for footings shall be Item 18.
Bar reinforcement for footings shall be Item 28.

REFERENCE DRAWINGS:

General Plan, Elevation & Notes	F2
Profiles & Sections	F3
Abutments, Plan & Elevations	F4
Abutments, Sections & Details	F5
Piers, Elevations, Sections & Details	F6
Bar Schedule	F13



SECTION C-C
Scale: ⅜"=1'-0"

MOHAWK THRUWAY
UNDER PUTNAM ROAD
PT. I, CO. RD. #26R
STA. 6027+59
SCHENECTADY COUNTY

FOOTINGS
PLANS & SECTIONS

SCALE AS NOTED

DWG. NO. 481-3-10E-1007

Prepared and Recommended:
E. D. Harlow
E. D. HARLOW, VICE PRES. N.Y. STATE P. E. LIC. NO. 20747
Jan 9 '53
DATE

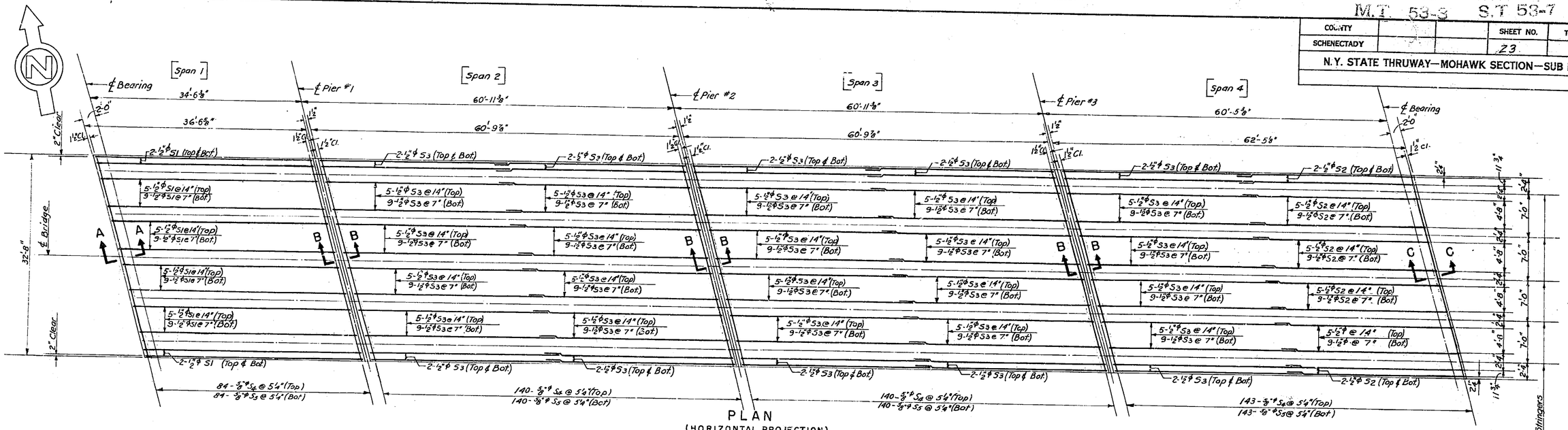
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: R. Lewicky
Checked by: A. Francken
Traced by: A. Paschuk
Tracing Chk by: J. Davison

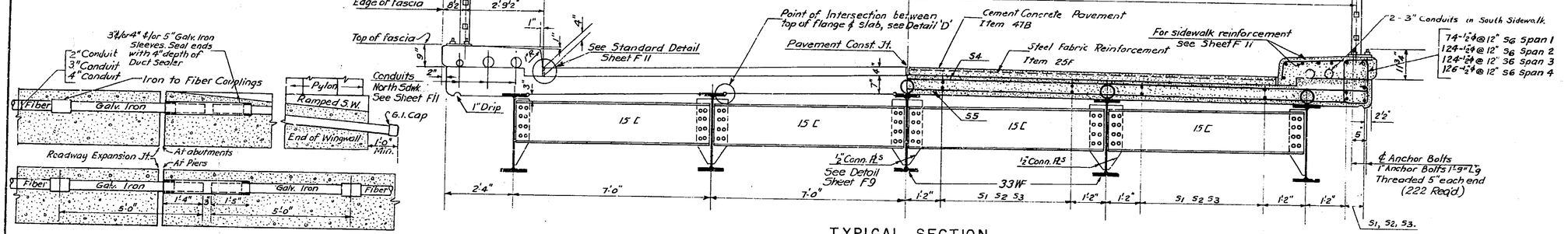
F 7

M.T. 53-3 S.T 53-7

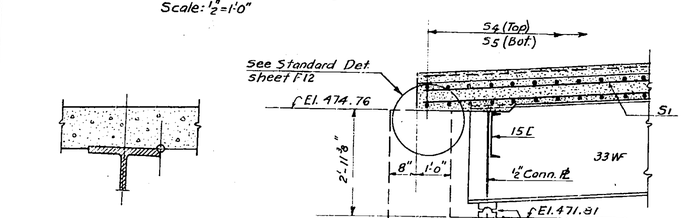
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			23	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



PLAN
(HORIZONTAL PROJECTION)
Scale 3/8" = 1'-0"



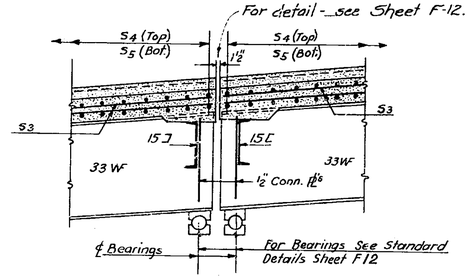
TYPICAL SECTION
Scale: 1/2" = 1'-0"



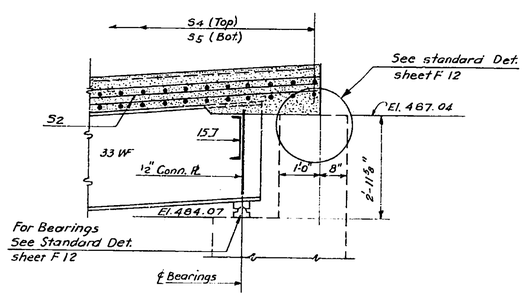
ELECTRIC DUCT DETAILS
Scale: 1/2" = 1'-0"

DETAIL D
Scale: 1" = 1'-0"

SECTION A-A
Scale 1/2" = 1'-0"



SECTION B-B
Scale 1/2" = 1'-0"



SECTION C-C
Scale: 1/2" = 1'-0"

NOTES:

Placing dimensions are given center to center of bars, unless noted.
Where reinforcement interferes with anchor bolt sleeves, spiral connectors, etc., shift or bend bars.

Minimum lap length for splices shall be 40 bar diameters.
Concrete cover shall be 1" except as noted.
Concrete for Bridge Slab shall be Item 18.
Bar Reinforcement for Slab shall be Item 28.

REFERENCE DRAWINGS

General Plan, Elevation & Notes F2
Profiles & Sections F3
Abutments, Plan & Elevations F4
Abutments, Sections & Details F5
Piers, Elevations, Sections & Details F6
Beams & Diaphragms, Plan, Sections & Det. F9
Railing & Pylon Location F10
Stanard Bridge Details F11
Standard Bridge Details F12
Bar Schedule F13

MOHAWK THRUWAY
UNDER PUTNAM ROAD
PT. I, CO. RD. #26R
STA. 6027+69
SCHENECTADY COUNTY

BRIDGE SLAB

PLAN, SECTIONS & DETAILS

SCALE AS NOTED

DWG NO. 481-3-10E-1008

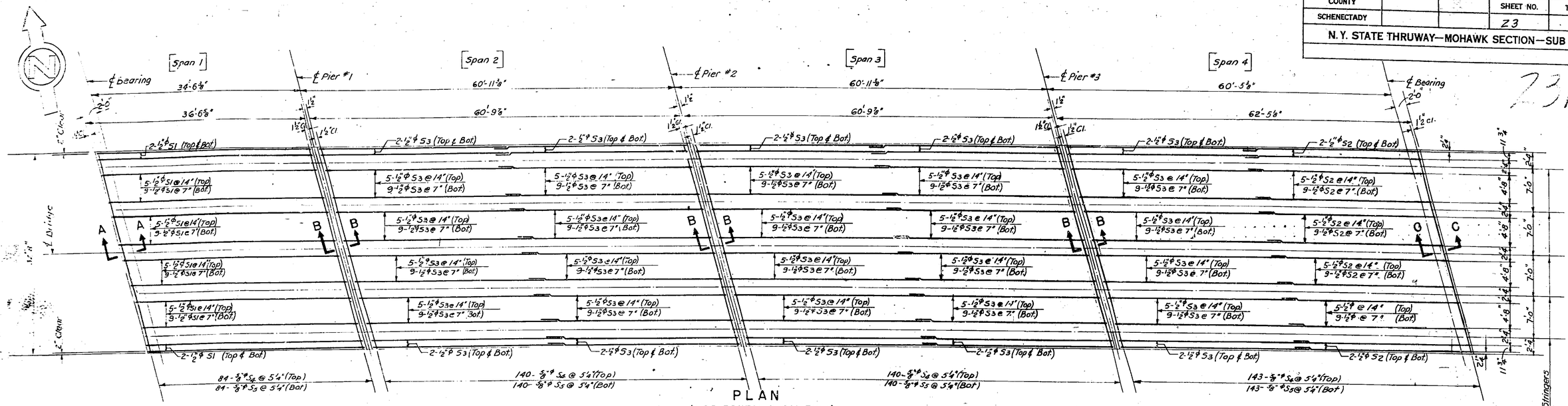
Prepared and Recommended:
E.N. Harlow, VICE PRES. N.Y. STATE P.E. LIC. NO. 20747
Jan 9 '53 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: C. Grant
Checked by: Rymo-Leroux
Traced by: C. Grant
Tracing Chk'd by: J.K. Davison

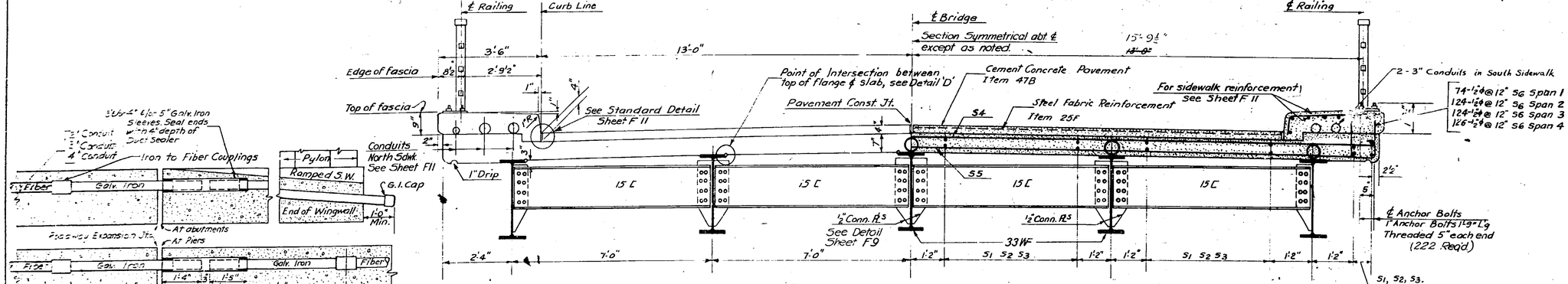
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			23	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				

M-1553 S.T. 507

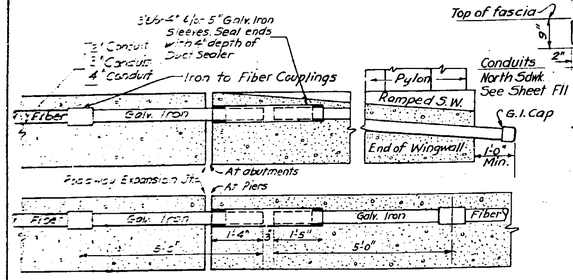
23R



PLAN
(HORIZONTAL PROJECTION)
Scale ⅛" = 1'-0"

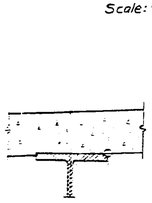


TYPICAL SECTION
Scale: ½" = 1'-0"
For detail - see Sheet F-12.

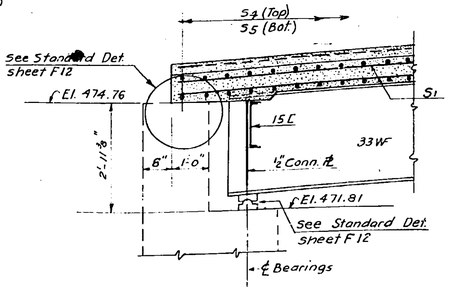


ELECTRIC DUCT DETAILS
Scale: 1½" = 1'-0"

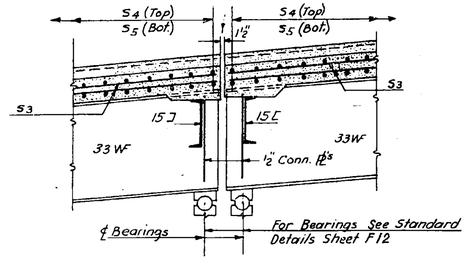
Conduits North Sdwk. See Sheet F11



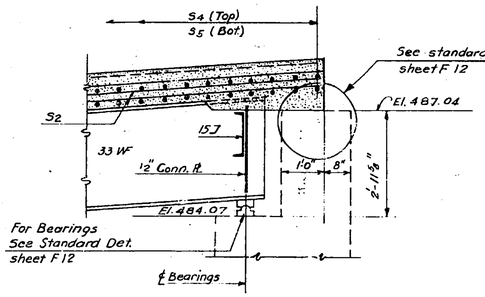
DETAIL D
Scale: 1½" = 1'-0"



SECTION A-A
Scale ½" = 1'-0"



SECTION B-B
Scale ½" = 1'-0"



SECTION C-C
Scale: ½" = 1'-0"

NOTES:

Placing dimensions are given center to center of bars, unless noted.
Where reinforcement interferes with anchor bolt sleeves, spiral connectors, etc., shift or bend bars.

Minimum lap length for splices shall be 40 bar diameters.
Concrete cover shall be 1" except as noted.
Concrete for Bridge Slab shall be Item 18.
Bar Reinforcement for Slab shall be Item 28.

REFERENCE DRAWINGS

General Plan, Elevation & Notes ____ F2
Profiles & Sections ____ F3
Abutments, Plan & Elevations ____ F4
Abutments, Sections & Details ____ F5
Piers, Elevations, Sections & Details 1 ____ F6
Beams & Diaphragms, Plan, Sections & Det. ____ F9
Railing & Pylon Location ____ F10
Stanard Bridge Details ____ F11
Standard Bridge Details ____ F12
Bar Schedule ____ F13

MOHAWK THRUWAY
UNDER PUTNAM ROAD
PT. I, CO. RD. #26R
STA. 6027+69
SCHENECTADY COUNTY

BRIDGE SLAB

PLAN, SECTIONS & DETAILS

SCALE AS NOTED

Prepared and Recommended:
[signature] DATE
FREDERIC R. HARRIS INC. CONSULTING ENGINEERS

In Charge of: R. Harris
Made by: C. Grant
Checked by: Romo-Leroux
Traced by: C. Grant
Tracing Chk.: J.K. Davison

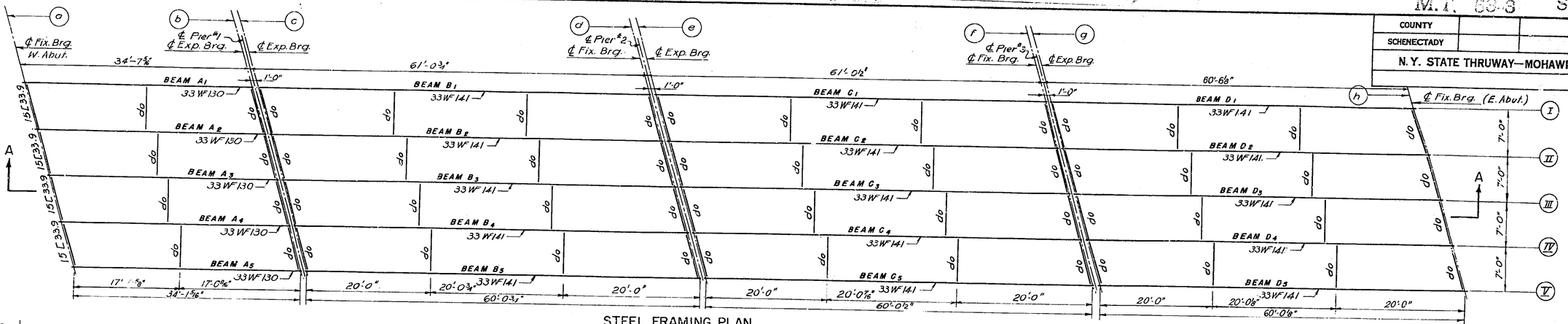
DWG NO. 481-3-10E-1008

F2

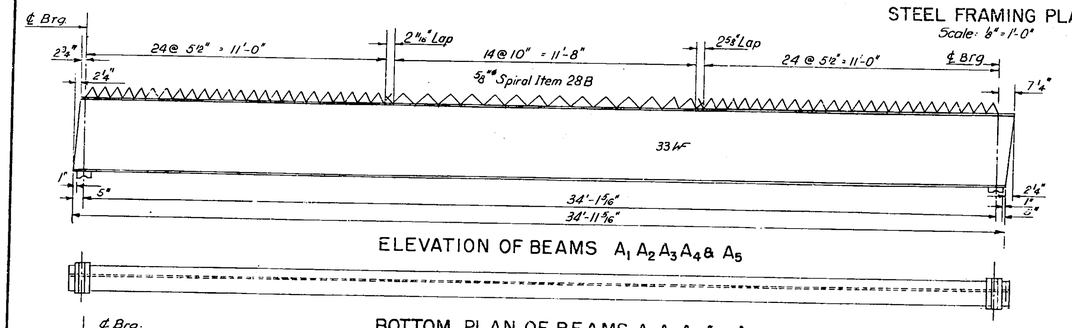
M.T. 58-3 S.T 58-3

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			24	157

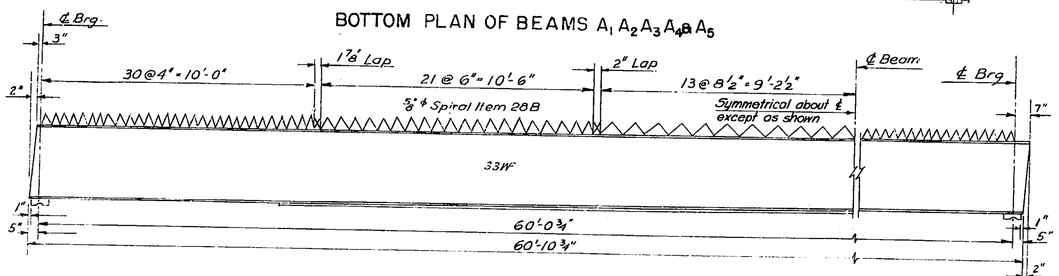
N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1



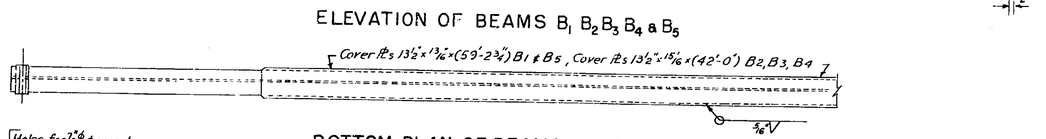
STEEL FRAMING PLAN
Scale: ½"=1'-0"



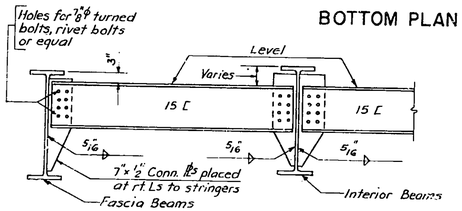
ELEVATION OF BEAMS A_1 A_2 A_3 A_4 & A_5



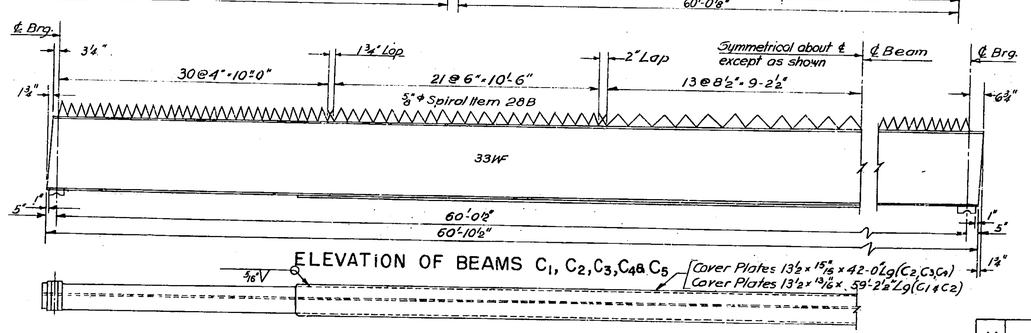
BOTTOM PLAN OF BEAMS A_1 A_2 A_3 A_4 & A_5



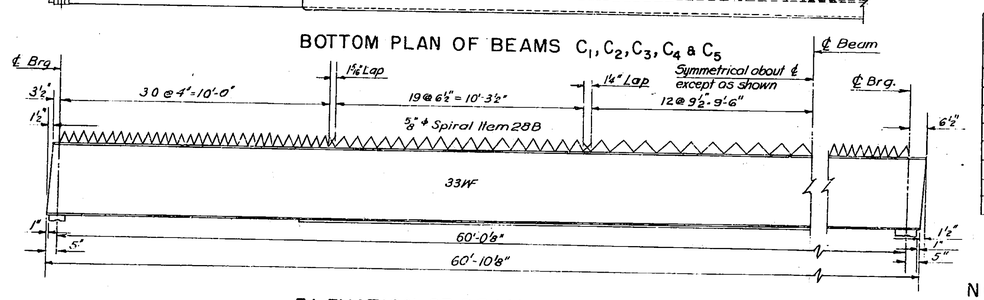
ELEVATION OF BEAMS B_1 B_2 B_3 B_4 & B_5



DIAPHRAGM CONNECTIONS
Scale: ½"=1'-0"

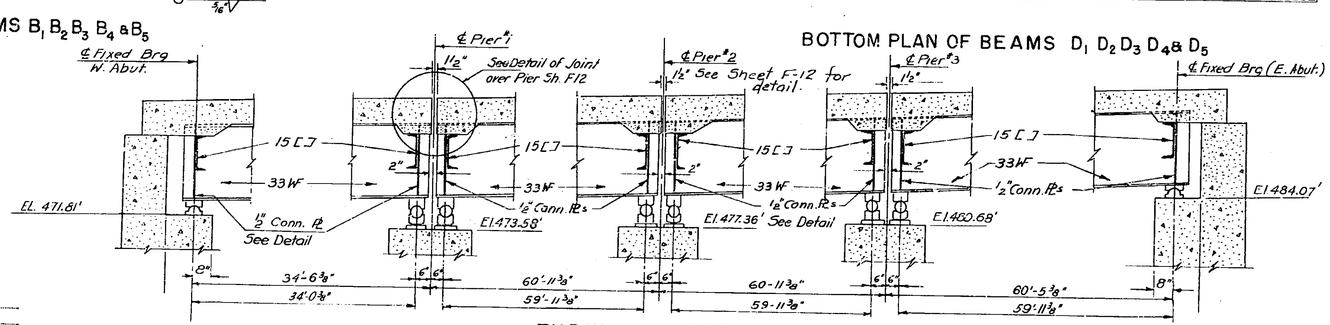


ELEVATION OF BEAMS C_1, C_2, C_3, C_4 & C_5 [Cover Plates 13½" x 15/16" x 42'-0" Lg (C_2 C_3 C_4) Cover Plates 13½" x 15/16" x 59'-2⅝" Lg (C_1 & C_2)

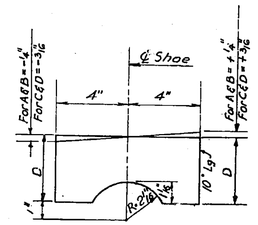


BOTTOM PLAN OF BEAMS C_1, C_2, C_3, C_4 & C_5

ELEVATION OF BEAMS D_1 D_2 D_3 D_4 & D_5



TYPICAL SECTION
(PARALLEL TO STRINGERS)



BEARING SHOE
Scale 3" = 1"

SHOE	D	SHOE	D	SHOE	D	SHOE	D	SHOE	D
Ia	3 1/16"	IIa	6⅛"	IIIa	8 11/16"	IVa	9½"	Va	9⅞"
Ib	3⅛"	IIb	6"	IIIb	8½"	IVb	9¼"	Vb	9½"
Ic	3⅛"	IIc	6⅛"	IIIc	9⅛"	IVc	9⅞"	Vc	10⅜"
Id	3 1/16"	IId	5⅞"	IIId	8⅝"	IVd	8⅝"	Vd	8¾"
Ie	3¾"	IIe	6⅛"	IIIe	9 1/16"	IVe	9⅜"	Ve	9 7/16"
If	3 1/16"	IIf	5⅝"	IIIf	8"	IVf	8 1/16"	Vf	8"
Ig	3 1/16"	IIg	6⅜"	IIIg	8⅝"	IVg	8 11/16"	Vg	8⅝"
Ih	3 1/16"	IIh	5⅜"	IIIh	7⅞"	IVh	7½"	Vh	7¼"

BEARING SHOE DIMENSIONS

NOTES:

For spiral and bearing details see Sheet F
Camber 1" A Beams
Camber ¾" B Beams
Camber ¾" C Beams
Camber ¾" D Beams
} D.L. & Curvature
Structural Steel shall be Item 29

REFERENCE DRAWINGS:

General Plan, Elevation & Notes	F2
Profile & Sections	F3
Abutments, Plan & Elevations	F4
Piers, Elevations, Sections & Details	F6
Bridge Slab, Plan, Sections & Details	F8
Standard Bridge Details	F11
Standard Bridge Details	F12

Prepared and Recommended:
E. H. Harlow
E. H. HARLOW, VICE PRES. N.Y. STATE P. E. LIC. NO. 20747
Jan 9 '53
DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: J. Romaniuk
Checked by: Romo-Leroux
Traced by: A. Pastchuk
Tracing Chk'd by: J.K. Davison

MOHAWK THRUWAY
UNDER PUTNAM ROAD
PT. 1, CO. RD. #26R
STA. 6027+69
SCHENECTADY COUNTY

BEAMS & DIAPHRAGMS
PLAN, SECTION & DETAILS

SCALE ⅜" = 1'-0"
EXCEPT AS NOTED

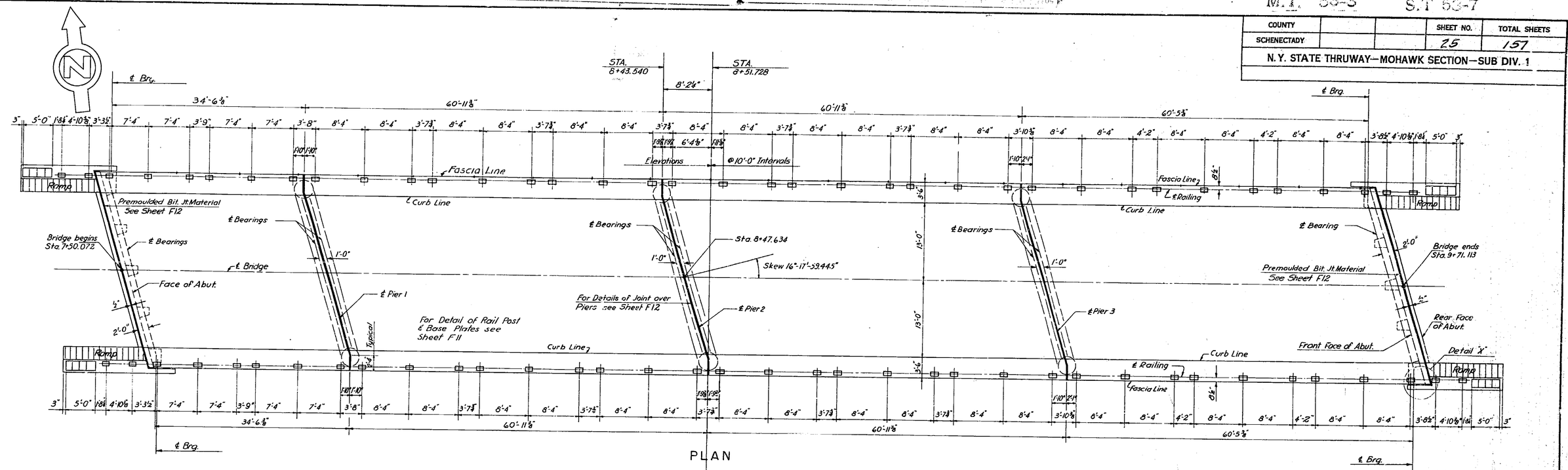
DWG. NO. 481-3-10E-1009

F9

M.T. 58-3 S.T 58-7

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			25	157

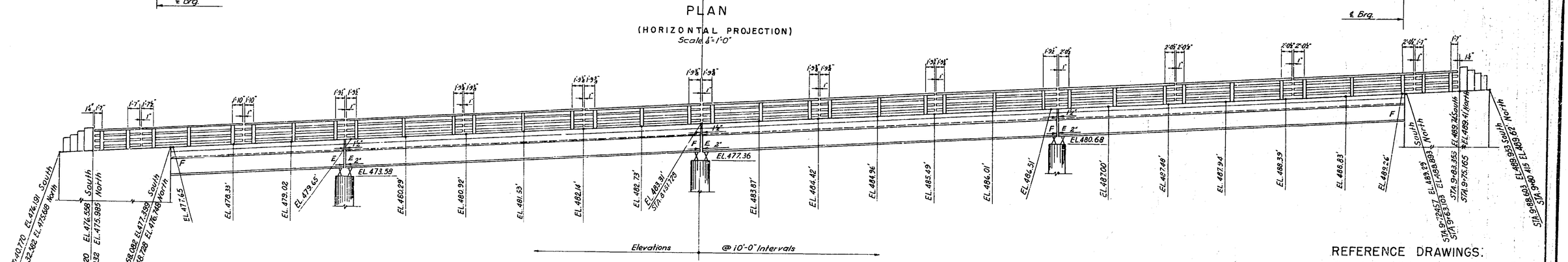
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1



PLAN

(HORIZONTAL PROJECTION)

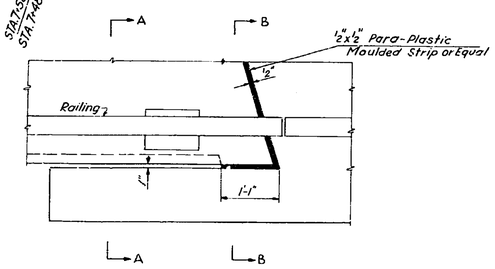
Scale 8"=1'-0"



SOUTH ELEVATION

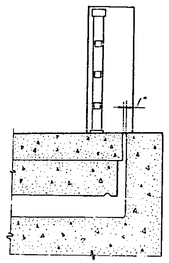
(NORTH ELEVATION OPPOSITE HAND EXCEPT AS SHOWN)

Scale: ⅛"=1'-0"



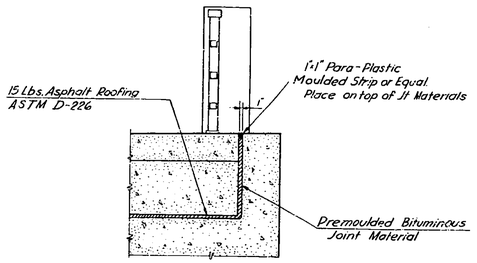
DETAIL "X" (TYPICAL)

Scale ½"=1'-0"



SECTION A-A

Scale 2"=1'-0"



SECTION B-B

Scale 1"=1'-0"

REFERENCE DRAWINGS:

General Plan & Notes	F2
Sections & Profiles	F3
Abutments, Plan & Elev.	F4
Piers, Plan, Elev., Sect. & Details	F6
Bridge Slab, Plan, Sects. & Details	F8
Beams & Diaphragms, Plan, Sect. & Details	F9
Standard Bridge Details	F11
Standard Bridge Details	F12

MOHAWK THRUWAY
UNDER PUTNAM ROAD
PT. 1, CO. RD. #26R
STA. 6027+69
SCHENECTADY COUNTY

RAILING & PYLON LOCATION

SCALE - AS SHOWN

DWG. NO. 481-3-10E-1010

Prepared and Recommended:

E.H. Harlow

E.H. HARLOW, VICE PRES. N.Y. STATE P.E. LIC. NO. 20747

DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

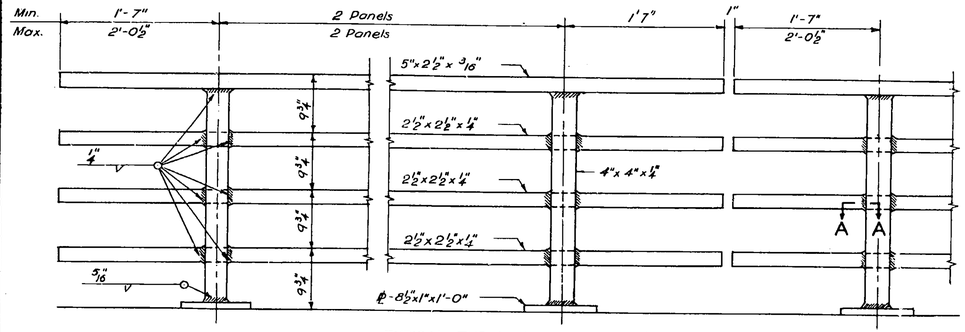
In Charge of: R. Harris
Made by: Paschink
Checked by: Ponia-Lerou
Traced by: Reynolds
Tracing Chk by: J.K. Davison

F 10

M.T. 53-3 S.T 53-7

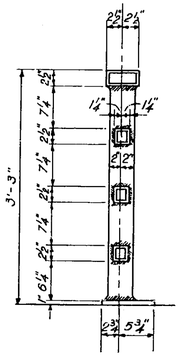
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			26	157
N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				

See Plan



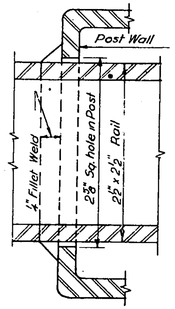
TYPICAL TUBULAR RAILING

Scale 1"= 1'-0"



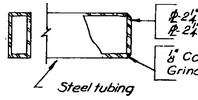
SECTION THRU RAILING

Scale 1"= 1'-0"



SECTION A-A

Scale - Full Size



½" Continuous fillet weld all around.
Grind edges for smooth finish after welding.

Notes

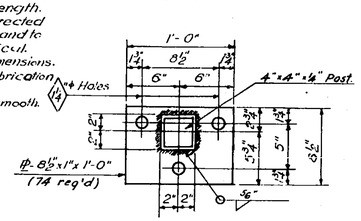
Double panel as shown.
Single panel similar except for panel length.
All railings are to be fabricated and erected so that rails are parallel to each other and to the top of fascia and posts are truly vertical.
Dimensions for tubing are outside dimensions.
Shop or field welding may be used in fabrication and erection of the railing.
All welds on railing shall be ground smooth.

Construction Procedure

1 - Set railing anchor bolts by means of template and pour slab.
2 - Make two (2) applications of water proofing oil treatment M 41-W to the top of slab.
3 - The top of slab shall be continuously and thoroughly wetted down, as directed by the engineer, for at least one hour, immediately prior to the placing of the roadway pavement.
4 - Pour roadway pavement.
5 - Place lower nuts on upper end of anchor bolts.
6 - Place railing on lower nuts and adjust to bring railing to line and grade.
7 - Place upper nuts on anchor bolts; tighten down on plates.
8 - Pour sidewalk to proper line and grade.

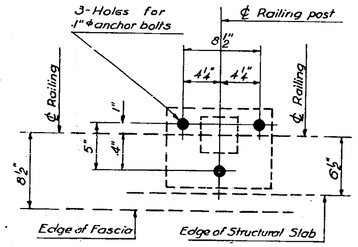
TUBULAR RAILING DETAILS

Scale - As Shown



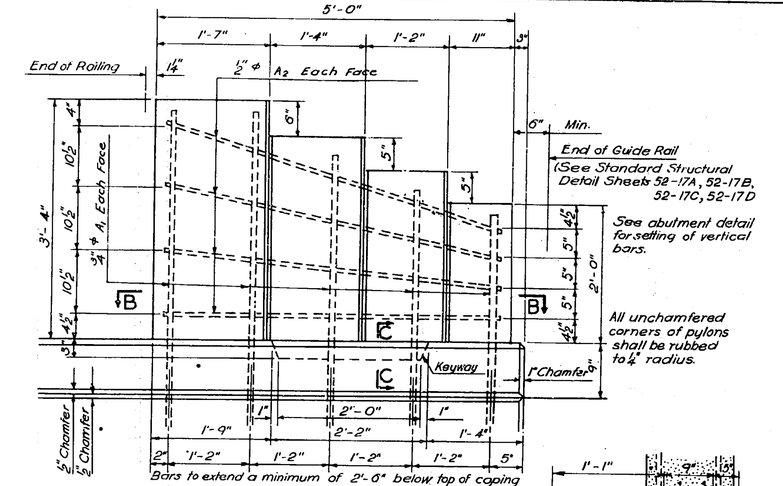
RAILING POST BASE PLATE

Scale 1½" = 1'-0"

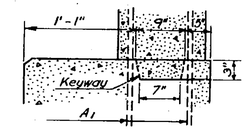


TEMPLATE FOR SETTING
RAILING POST ANCHOR BOLTS

Scale 1½" = 1'-0"

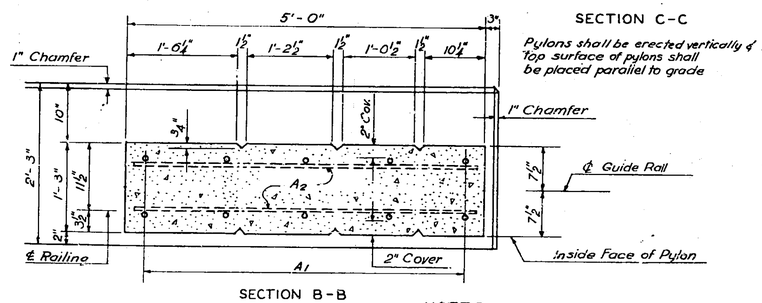


ELEVATION OF PYLON



SECTION C-C

Pylons shall be erected vertically & top surface of pylons shall be placed parallel to grade



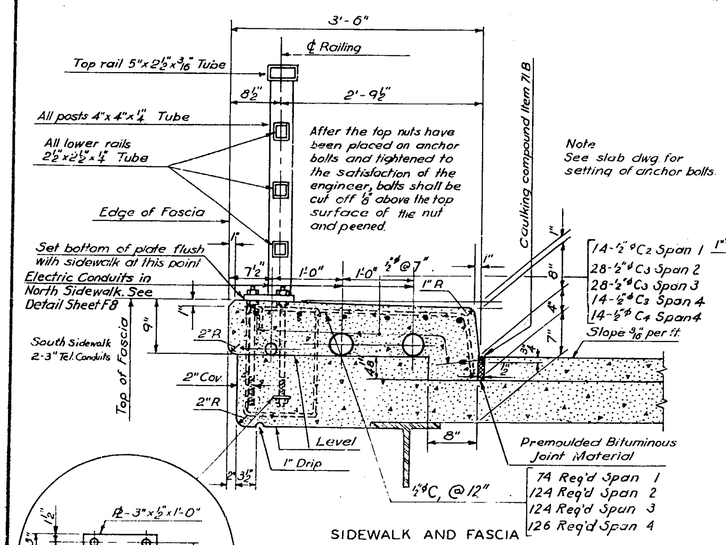
SECTION B-B

PYLON DETAILS

Scale 1"= 1'-0"

NOTES

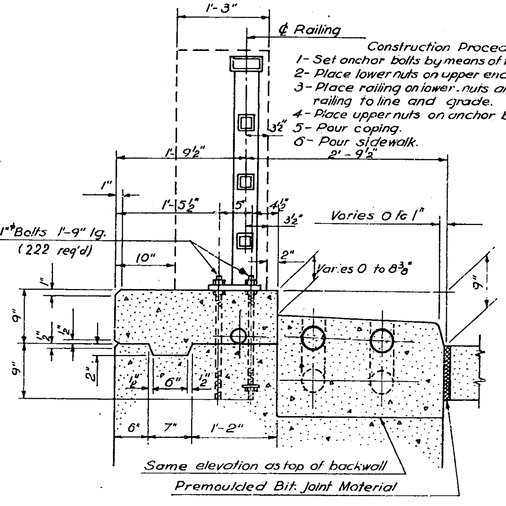
Concrete for Sidewalk, Coping & Ramp shall be Item 18
Concrete for Pylons shall be Item 19
Bar Reinforcement shall be Item 28
Metal Railing shall be Item 37
Payment for Item 718 is included in Item "478" Cement Concrete Pavement



SIDEWALK AND FASCIA

Note
See slab dwg. for setting of anchor bolts.

14-½"ϕ C2 Span 1
28-½"ϕ C3 Span 2
28-½"ϕ C3 Span 3
14-½"ϕ C2 Span 4
14-½"ϕ C4 Span 4
Slope 3/16 per ft.



SECTION THRU SUBSTRUCTURE

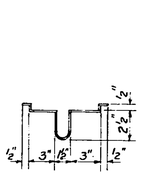
Construction Procedure

1- Set anchor bolts by means of template and pour wall.
2- Place lower nuts on upper end of anchor bolts.
3- Place railing on lower nuts and adjust to bring railing to line and grade.
4- Place upper nuts on anchor bolts and tighten down on plates.
5- Pour coping.
6- Pour sidewalk.

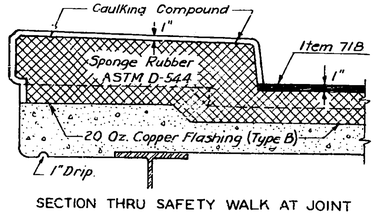
SIDEWALK AND FASCIA DETAILS

Scale 1" = 1'-0"

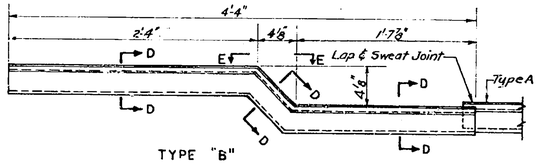
TYPE "A"



SECTION D-D

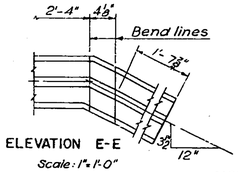


SECTION THRU SAFETY WALK AT JOINT



TYPE "B"

DETAILS OF 20 OZ. COPPER FLASHING FOR JOINTS



ELEVATION E-E

Scale: 1"= 1'-0"

REFERENCE DRAWINGS

Abutments, Plan & Elev	F 4
Abutments, Sect. & Details	F 5
Bridge slab	F 8
Railing & Pylon Location	F 10
Standard Bridge Details	F 12
Bar Schedule	F 13

MOHAWK THRUWAY
UNDER PUTNAM ROAD
PT. I, CO. RD. #26R
STA. 6027+69
SCHENECTADY COUNTY

STANDARD BRIDGE DETAILS

SCALE - AS SHOWN

Prepared and Recommended:

E.H. Harlow
E.H. HARLOW, VICE PRES. N.Y. STATE P.E. LIC. NO. 20747

June 9 '53
DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

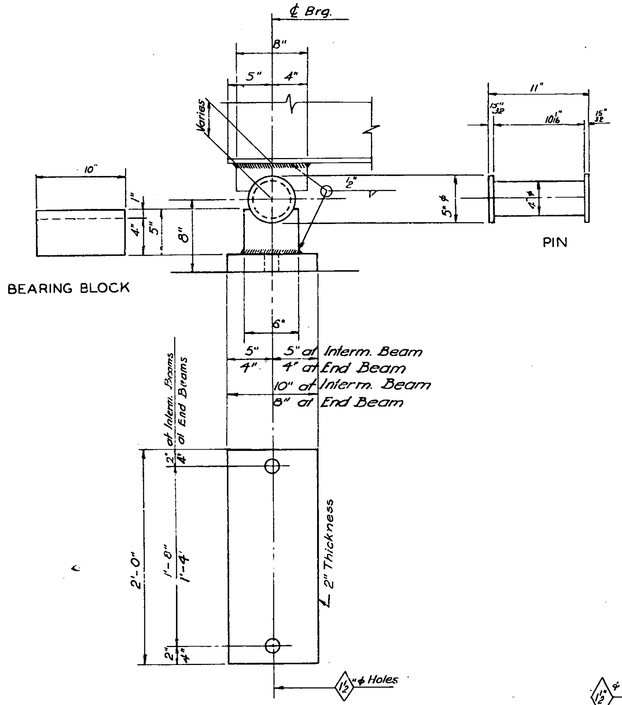
In Charge of: R. Harris
Made by: C. Grant
Checked by: A. Rome-Leroux
Traced by: D. Corbin
Tracing Chk by: J. Davison

DWG. NO. 481-3-10E-1011

F11

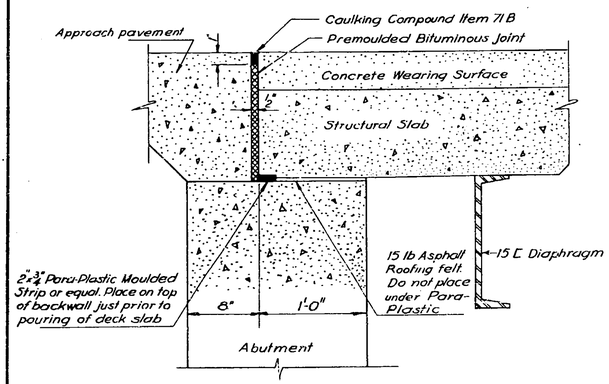
M.T. 53-3 S.T 53-7

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			27	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				

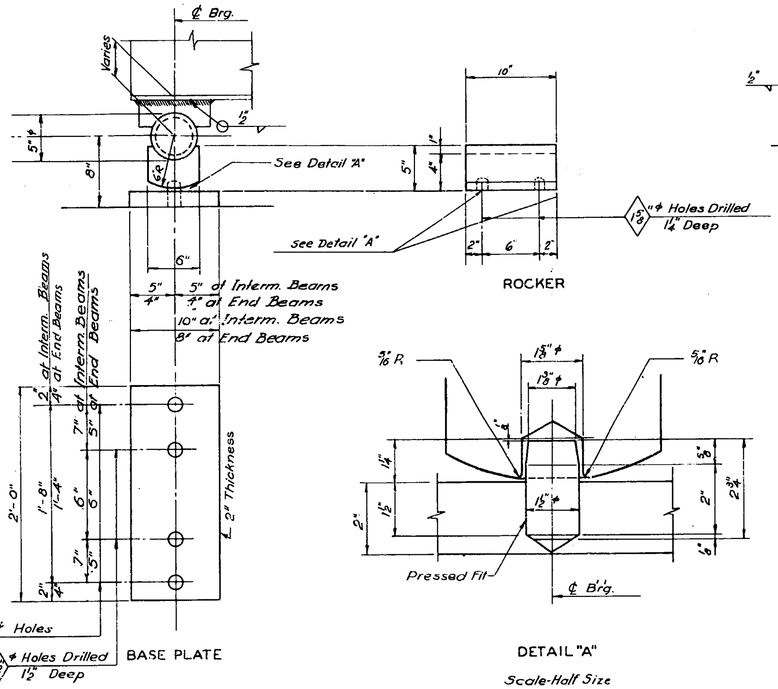


FIXED BEARING DETAILS AT PIERS

Scale 1½"=1'-0"



DETAIL OF JOINT AT ABUTMENT

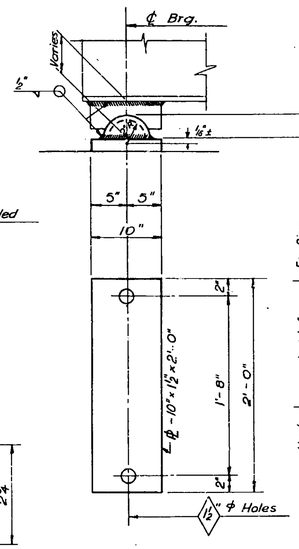


EXPANSION BEARING DETAILS AT PIERS

Scale 1½"=1'-0"

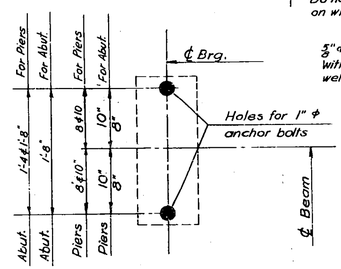
DETAIL "A"

Scale-Half Size



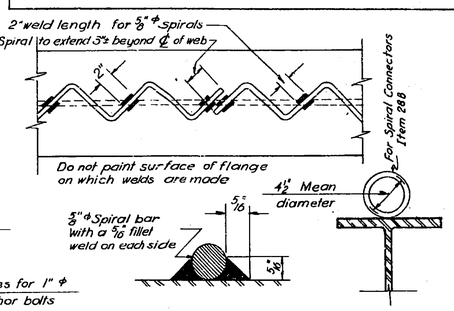
FIXED BEARING DETAILS AT ABUTMENT

Scale 1½"=1'-0"



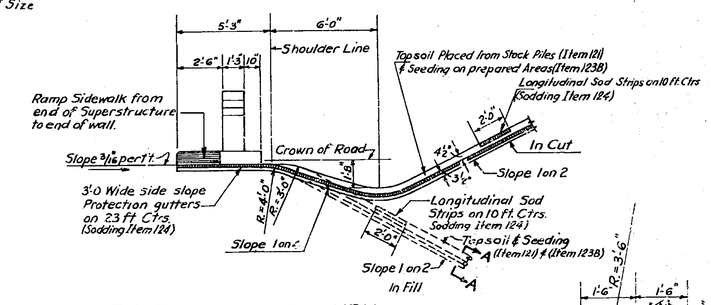
TEMPLATE FOR SETTING BEARING ANCHOR BOLTS

Scale 1"=1'-0"



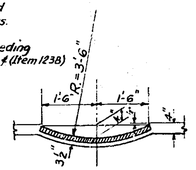
SPIRAL DETAILS

Scale 1½"=1'-0"

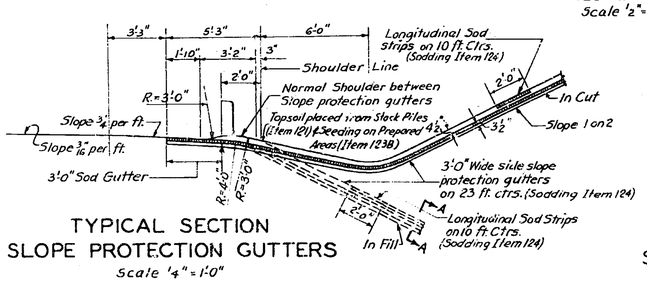


TYPICAL SECTION THRU GUTTER AT END OF WALL

Scale ¼"=1'-0"



Scale ½"=1'-0"

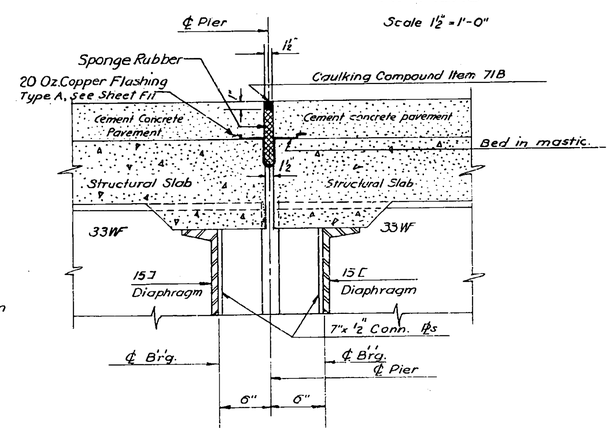


TYPICAL SECTION SLOPE PROTECTION GUTTERS

Scale ¼"=1'-0"

DETAILS OF JOINTS

Scale 1½"=1'-0"



DETAIL OF JOINT OVER PIERS

NOTES:

Payment for Item 718 is included in Item 47 "Cement Concrete Pavement."
Structural Steel for Bearings & Misc. Steel Shall be Item 29.

REFERENCE DRAWINGS

General Plan, Elevation & Notes	F2
Profiles & Sections	F3
Abutments, Plan & Elev.	F4
Abutments, Sect. & Details	F5
Piers, Elevations, Sections & Details	F6
Bridge Slab, Plan, Sections & Details	F8
Beams & Diaphragms Plan Sect. & Det.	F9
Railing & Pylons Location	F10
Standard Bridge Details	F11

MOHAWK THRUWAY
UNDER PUTNAM ROAD
PT. 1, CO. RD. #26R
STA. 6027+69
SCHENECTADY COUNTY

STANDARD BRIDGE DETAILS

SCALE - AS SHOWN

Prepared and Recommended:
E. H. Harlow
E.H.HARLOW, VICE PRES. N.Y. STATE P. E. LIC. NO. 20747
DATE 1-19-55
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: C. Grant
Checked by: Romo-Leroux
Traced by: D. Corbin
Tracing Chk by: J. Davison

DWG. NO. 481-3-10E-1012

F12

24:1

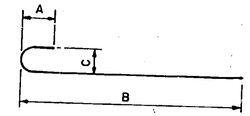
M.T. 53-3 S.T 53-7

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			28	157

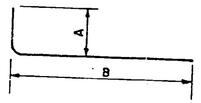
N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1

LOCATION OF BARS	MARK	SIZE	NO. REQ'D.	LENGTH	TYPE	A	B	C	D	E	F	R	REMARKS
FOOTINGS	F1	¾"ϕ	30	6'-1"	Str.								
	F2	¾"ϕ	30	7'-5"	III	0'-6"	6'-1"	0'-6"	6"				
	F3	¾"ϕ	16	11'-7"	Str.								
	F4	1"ϕ	51	33'-8"	Str.								
	F5	¾"ϕ	12	32'-0"	Str.								
	F6	¾"ϕ	8	9'-0"	Str.								
	F7	¾"ϕ	14	9'-8"	I	0'-6"	9'-0"	6"					
	F8	¾"ϕ	16	11'-6"	Str.								
	F9	¾"ϕ	8	8'-1" to 9'-3"	Str.								
	F10	¾"ϕ	14	9'-9" to 10'-3"	I	0'-6"	8'-1" to 9'-7"	6"					2 Sets @ 4 Bars Δ=2½"
	F11	¾"ϕ	26	5'-6"	Str.								2 Sets @ 7 Bars ΔB=1¼"
	F12	¾"ϕ	26	6'-10"	III	0'-6"	5'-6"	0'-6"	6"				
	F13	¾"ϕ	105	7'-10"	III	0'-6"	6'-6"	0'-6"	6"				
	F14	⅜"ϕ	39	33'-8"	Str.								
	F15	⅜"ϕ	105	6'-6"	Str.								
	F16	⅜"ϕ	147	10'-6"	Str.								
	F17	⅜"ϕ	44	7'-6"	Str.								
	F18	⅜"ϕ	6	8'-0"	Str.								
	F19	⅜"ϕ	9	14'-6" to 16'-8"	II		12'-6" to 14'-3"	1'-11"					
	F20	⅜"ϕ	9	15'-8" to 16'-2"	II		13'-6" to 14'-3"						ΔB=1"
	F21	⅜"ϕ	8	13'-0"	Str.								ΔB=1"
	F22	⅜"ϕ	8	13'-6"	Str.								
	F23	⅜"ϕ	8	14'-8"	Str.								
	F24	⅜"ϕ	9	14'-10" to 15'-3"	II		12'-8" to 13'-3"	1'-11"					
	F25	⅜"ϕ	9	13'-11" to 14'-8"	II		12'-0" to 12'-9"	1'-11"					ΔB=⅝"
	F26	⅜"ϕ	8	12'-3"	Str.								ΔB=1"
	F27	¾"ϕ	4	38'-0"	V		33'-3"	4'-9"					
	D1	⅞"ϕ	96	6'-0"	Str.								
	D2	1"ϕ	48	6'-1"	Str.								
ABUTMENTS	A1	¾"ϕ	40	5'-8"	Str.								
	A2	½"ϕ	32	4'-9"	Str.								
	A3	⅝"ϕ	24	34'-2"	Str.								
	A4	⅝"ϕ	14	18'-11"	Str.								
	A5	⅝"ϕ	10	13'-0"	Str.								
	A6	⅝"ϕ	14	15'-10"	Str.								
	A7	⅝"ϕ	10	13'-2"	Str.								
	A8	⅝"ϕ	14	6'-6"	Str.								
	A9	⅝"ϕ	14	7'-0"	Str.								
	A10	⅝"ϕ	20	5'-2"	I	0'-8"	4'-5½"	5"					
	A11	⅝"ϕ	20	4'-4"	Str.								
	A12	⅝"ϕ	6	13'-4"	Str.								
	A13	⅝"ϕ	6	11'-4"	Str.								
	A14	⅝"ϕ	40	6'-9"	II	2'-0"	4'-9"						
	A15	½"ϕ	8	13'-0"	Str.								
	A16	½"ϕ	14	3'-8" to 4'-8"	II	1'-3" to 2'-7"	2'-1"						ΔC=1"
	A17	½"ϕ	14	3'-8" to 4'-7"	II	0'-7" to 2'-5"	2'-1½" to 2'-1¾"						ΔC=1 7/16"
	A18	½"ϕ	14	3'-1" to 4'-3"	II	1'-0" to 2'-4"	2'-1"						ΔC=1⅛"
	A19	½"ϕ	14	2'-3" to 3'-11"	II	0'-2" to 1'-8"	2'-1"						ΔC=1 3/8"
	A20	½"ϕ	70	10'-0"	IV	0'-8"	2'-10"	2'-0"	3'-6"	5"			
	A21	½"ϕ	14	10'-0"	IV	0'-9"	3'-3"	2'-6"	3'-10"	5"			
	A22	½"ϕ	8	12'-9" to 13'-2"	Str.								
	A23	½"ϕ	14	5'-0"	IV	1'-0"	2'-4"	2'-0"	2'-10"	5"			ΔB=1½"
	D3	⅝"ϕ	36	5'-0"	I	0'-5"	4'-5"	5"					STANDARD HOOKS 7"
	D4	⅝"ϕ	48	5'-0"	Str.								

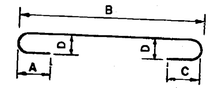
LOCATION OF BARS	MARK	SIZE	NO. REQ'D.	LENGTH	TYPE	A	B	C	D	E	F	R	REMARKS
PIERS	P1	⅝"ϕ	48	16'-0"	Str.								
	P2	⅝"ϕ	48	19'-9"	Str.								
	P3	1"ϕ	48	23'-1"	Str.								
	P4	¼"ϕ	150	9'-0"	VI	8'-6"	3"	3"					
	P5	1" □	6	37'-8"	VII	4'-3"	29'-2"	4'-3"					
	P6	1" □	6	38'-8"	VII	4'-3"	30'-2"	4'-3"					
	P7	1" □	6	39'-2"	VII	4'-3"	30'-8"	4'-3"					
	P8	1" □	6	39'-8"	VII	4'-3"	31'-2"	4'-3"					
	P9	1" □	4	31'-2"	Str.								
	P10	1"ϕ	2	31'-2"	Str.								
	P11	⅞"ϕ	6	30'-8"	Str.								
	P12	1"ϕ	6	30'-2"	Str.								
	P13	1" □	4	29'-2"	Str.								
	P14	1"ϕ	2	29'-2"	Str.								
	P15	⅝"ϕ	12	29'-2"	Str.								
	P16	⅝"ϕ	84	10'-4"	VIII	5"	3'-0"	1'-9"	3'-0"	1'-9"	5"		
	P17	⅝"ϕ	24	7'-11"	IX	2'-0"	3'-11"	2'-0"				1'-4"	
STRUCTURAL SLAB	S1	½"ϕ	64	36'-4"	Str.								
	S2	½"ϕ	64	32'-9"	Str.								
	S3	½"ϕ	320	31'-2"	Str.								
	S4	⅝"ϕ	507	34'-11"	I	5"	33'-9"	5"					
	S5	⅝"ϕ	507	33'-9"	Str.								Standard Hook 7"
	S6	½"ϕ	448	5'-8"	VIII	1'-0"	1'-5"	1'-0"	1'-5"	6"	4"		
SIDEWALK	C1	½"ϕ	448	3'-11"	II	9"	3'-2"						
	C2	½"ϕ	14	36'-4"	Str.								
	C3	½"ϕ	70	31'-2"	Str.								
	C4	½"ϕ	14	32'-9"	Str.								



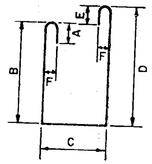
TYPE I



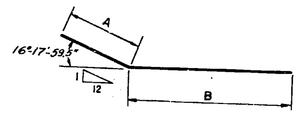
TYPE II



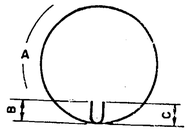
TYPE III



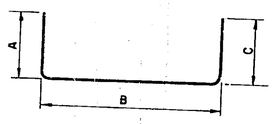
TYPE IV



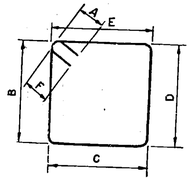
TYPE V



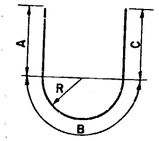
TYPE VI



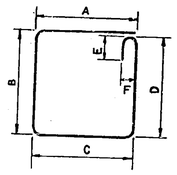
TYPE VII



TYPE VIII



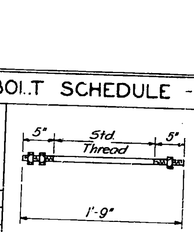
TYPE IX



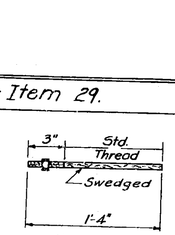
TYPE X

ANCHOR BOLT SCHEDULE - Item 29.

MARK	SIZE	NO. REQ'D.	LENGTH	NUTS SHAPE	NUTS NO. REQ'D.	LOCATION
AB1	1" ϕ	222	1'-9"	Hex.	592	Railing
AB2	1" ϕ	80	1'-4"	Hex.	80	Bearings



MARK AB1



MARK AB2

MOHAWK THRUWAY
UNDER PUTNAM ROAD
PT. I, CO. RD. #26R
STA. 6027+69
SCHENECTADY COUNTY

BAR SCHEDULE

Prepared and Recommended:
E.H. HARLOW, VICE PRES. N.Y. STATE P. E. LIC. NO. 20747 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: A. Francken
Checked by: A. Paschuk
Traced by: J. Lee
Tracing Chk by: J.K. Davison

DWG. NO. 481-3-10E-1013

F13

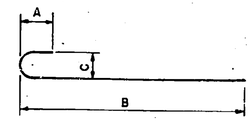
M.I. 55-3 S.T. 55-

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			28	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				

26R

LOCATION OF BARS	MARK	SIZE	NO. REQ'D.	LENGTH	TYPE	A	B	C	D	E	F	R	REMARKS
FOOTINGS	F1	¾"ϕ	30	6'-1"	Str.								
	F2	¾"ϕ	30	7'-5"	III	0'-6"	6'-1"	0'-8"	6"				
	F3	¾"ϕ	16	11'-2"	Str.								
	F4	1"ϕ	5/L	33'-8"	Str.								
	F5	¾"ϕ	12	34'-0"	Str.								
	F6	¾"ϕ	8	9'-0"	Str.								
	F7	¾"ϕ	14	9'-8"	I	0'-6"	9'-0"	6"					
	F8	¾"ϕ	16	11'-6"	Str.								
	F9	¾"ϕ	8	8'-1" to 9'-7"	Str.								2 Sets @ 4 Bars Δ=2½"
	F10	¾"ϕ	14	8'-1" to 10'-3"	I	0'-6"	8'-1" to 9'-7"	6"					2 Sets @ 7 Bars ΔB=1¼"
	F11	¾"ϕ	26	5'-6"	Str.								
	F12	¾"ϕ	26	6'-10"	III	0'-6"	5'-6"	0'-6"	6"				
	F13	¾"ϕ	105	7'-10"	III	0'-6"	6'-6"	0'-6"	6"				
	F14	⅜"ϕ	39	33'-8"	Str.								
	F15	⅝"ϕ	105	6'-6"	Str.								
	F16	⅝"ϕ	147	10'-6"	Str.								
	F17	⅝"ϕ	44	7'-6"	Str.								
	F18	¾"ϕ	6	8'-6"	Str.								
	F19	⅝"ϕ	9	14'-5" to 18'-5"	II		12'-6" to 13'-3"	1'-11"					ΔB=1"
	F20	⅝"ϕ	9	15'-3" to 18'-2"	II		13'-6" to 14'-3"						ΔB=1"
	F21	⅝"ϕ	8	13'-0"	Str.								
	F22	⅝"ϕ	8	13'-6"	Str.								
	F23	⅝"ϕ	8	14'-8"	Str.								
	F24	⅝"ϕ	9	14'-10" to 16'-3"	II		12'-8" to 13'-3"	1'-11"					ΔB=⅝"
	F25	⅝"ϕ	9	13'-11" to 14'-8"	II		12'-0" to 12'-9"	1'-11"					ΔB=1"
	F26	⅝"ϕ	8	12'-3"	Str.								
	F27	¾"ϕ	4	38'-0"	V		33'-3"	4'-9"					
	D1	⅜"ϕ	96	6'-0"	Str.								
	D2	1"ϕ	48	6'-1"	Str.								
ABUTMENTS	A1	¾"ϕ	40	5'-8"	Str.								
	A2	½"ϕ	32	4'-9"	Str.								
	A3	⅝"ϕ	24	34'-2"	Str.								
	A4	⅝"ϕ	14	18'-11"	Str.								
	A5	⅝"ϕ	10	13'-0"	Str.								
	A6	⅝"ϕ	14	15'-10"	Str.								
	A7	⅝"ϕ	10	13'-2"	Str.								
	A8	⅝"ϕ	14	6'-6"	Str.								
	A9	⅝"ϕ	14	7'-0"	Str.								
	A10	⅝"ϕ	20	5'-8"	I	0'-8"	4'-3¼"	5"					
	A11	⅝"ϕ	20	4'-4"	Str.								
	A12	⅝"ϕ	6	13'-4"	Str.								
	A13	⅝"ϕ	6	11'-4"	Str.								
	A14	⅝"ϕ	40	6'-9"	II	2'-0"	4'-9"						
	A15	½"ϕ	8	13'-0"	Str.								
	A16	½"ϕ	14	3'-8" to 4'-8"	II	1'-3" to 2'-1"	2'-1"						ΔC=1"
	A17	½"ϕ	14	3'-0" to 4'-7"	II	0'-7" to 2'-3"	2'-1¼" to 2'-2¼"						ΔC=1⅛"
	A18	½"ϕ	14	3'-1" to 3'-5"	II	1'-0" to 2'-4"	2'-1"						ΔC=⅛"
	A19	½"ϕ	14	2'-3" to 2'-11"	II	0'-2" to 1'-2"	2'-1"						ΔC=1⅜"
	A20	½"ϕ	70	9'-4" to 10'-0"	IV	0'-8"	2'-10"	2'-0"	3'-6"	5"			
	A21	½"ϕ	14	10'-0"	IV	0'-9"	3'-3"	2'-6"	3'-10"	5"			
	A22	½"ϕ	8	13'-9" to 13'-2"	Str.								ΔB=1⅛"
	A23	½"ϕ	14	9'-4" to 10'-0"	IV	1'-0"	2'-4"	2'-0"	2'-10"	5"			
	D3	⅝"ϕ	36	5'-0"	I	0'-5"	4'-5"	5"					STANDARD HOOKS 7"
	D4	⅜"ϕ	48	5'-0"	Str.								

LOCATION OF BARS	MARK	SIZE	NO. REQ'D.	LENGTH	TYPE	A	B	C	D	E	F	R	REMARKS
PIERS	P1	⅜"ϕ	48	16'-0"	Str.								
	P2	⅜"ϕ	48	19'-9"	Str.								
	P3	1"ϕ	48	23'-1"	Str.								
	P4	¼"ϕ	150	9'-0"	VI	8'-6"	3"	3"					
	P5	1"□	6	37'-8"	VII	4'-3"	29'-2"	4'-3"					
	P6	1"□	6	38'-8"	VII	4'-3"	30'-2"	4'-3"					
	P7	1"□	6	39'-2"	VII	4'-3"	30'-8"	4'-3"					
	P8	1"□	6	39'-8"	VII	4'-3"	31'-2"	4'-3"					
	P9	1"□	4	31'-2"	Str.								
	P10	1"ϕ	2	31'-2"	Str.								
	P11	⅞"ϕ	6	30'-8"	Str.								
	P12	1"ϕ	6	30'-2"	Str.								
	P13	1"□	4	29'-2"	Str.								
	P14	1"ϕ	2	29'-2"	Str.								
	P15	⅝"ϕ	12	29'-2"	Str.								
	P16	⅝"ϕ	84	10'-4"	VIII	5"	3'-0"	1'-9"	3'-0"	1'-9"	5"		
	P17	⅝"ϕ	24	7'-11"	IX	2'-0"	3'-11"	2'-0"				1'-4"	
STRUCTURAL SLAB	S1	½"ϕ	64	36'-4"	Str.								
	S2	½"ϕ	64	32'-9"	Str.								
	S3	½"ϕ	320	31'-2"	Str.								
	S4	⅝"ϕ	507	34'-11"	I	5"	33'-9"	5"					Standard Hook 7"
	S5	⅝"ϕ	507	33'-9"	Str.								
	S6	½"ϕ	448	5'-8"	VIII	1'-0"	1'-5"	1'-0"	1'-5"	6"	4"		
SIDEWALK	C1	½"ϕ	448	3'-11"	II	9"	3'-2"						
	C2	½"ϕ	14	36'-4"	Str.								
	C3	½"ϕ	70	31'-2"	Str.								
	C4	½"ϕ	14	32'-9"	Str.								



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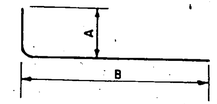

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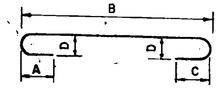

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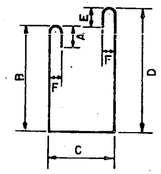

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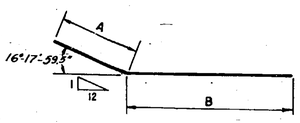

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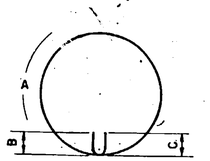

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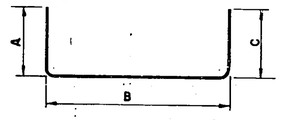

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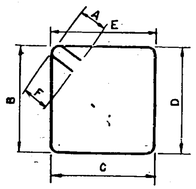

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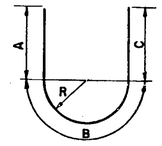

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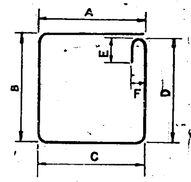
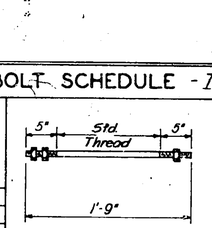


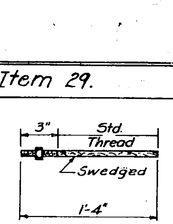
TYPE X

ANCHOR BOLT SCHEDULE - Item 29.

MARK	SIZE	NO. REQ'D.	LENGTH	NUTS SHAPE	NUTS NO. REQ'D.	LOCATION
AB1	1"ϕ	222	1'-9"	Hex.	592	Railing
AB2	1"ϕ	80	1'-4"	Hex.	80	Bearings



MARK AB1



MARK AB2

MOHAWK THRUWAY
UNDER PUTNAM ROAD
PT. 1, CO. RD. #26R
STA. 6027+69
SCHENECTADY COUNTY

BAR SCHEDULE

DWG. NO. 481-3-10E-1013

Prepared and Recommended:
E.H. HARLOW, VICE PRES. N.Y. STATE P.E. LIC. NO. 20747 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: A. Francken
Checked by: A. Paschuk
Traced by: J. Lee
Tracing Chk by: J.K. Dawson

F13

M.T. 53-3 S.T 53-7

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			29	157

N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1

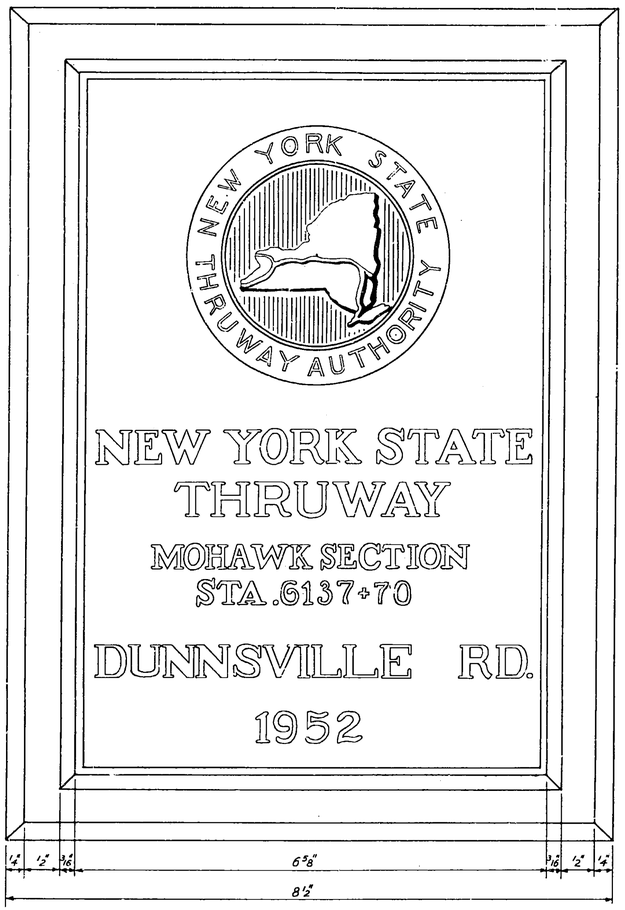
NEW YORK STATE THRUWAY AUTHORITY

NEW YORK STATE THRUWAY

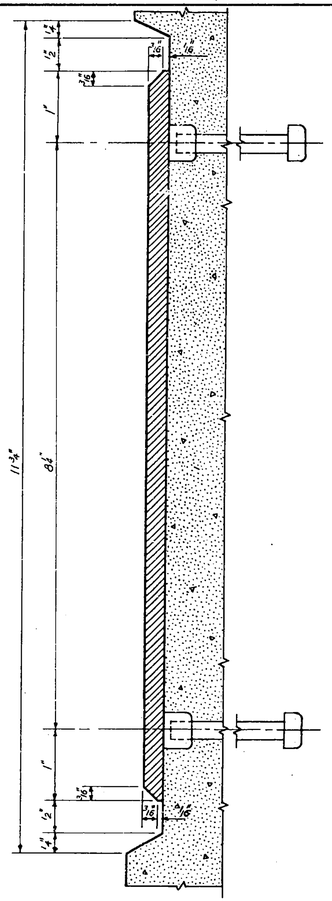
MOHAWK SECTION
STA. 6137+70

DUNNSVILLE RD.

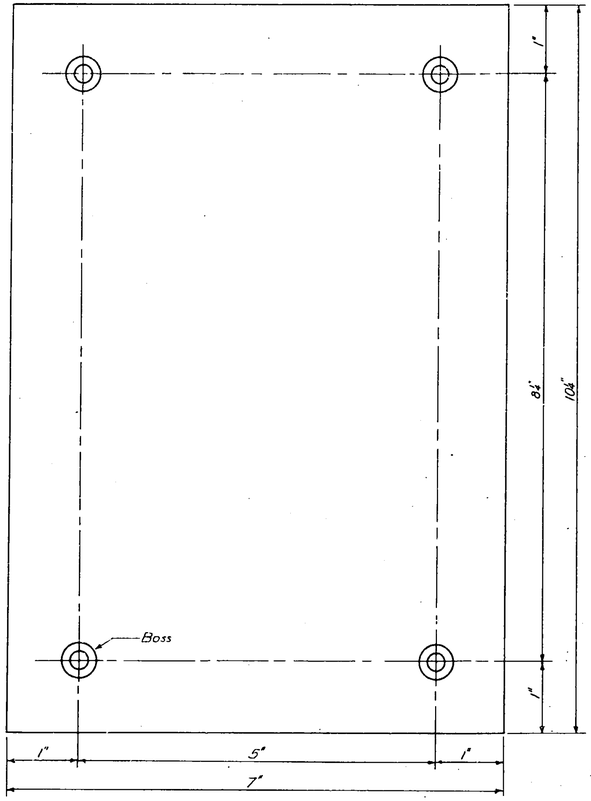
1952



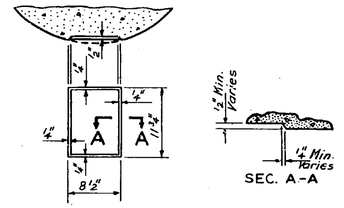
FRONT ELEVATION



VERTICAL SECTION

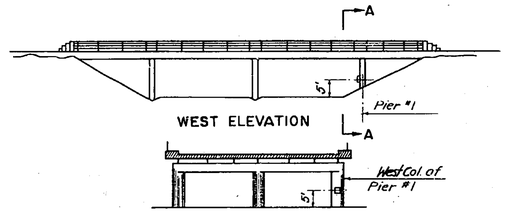


TEMPLATE



IDENTIFICATION RECESS
Scale: 1"= 1'-0"

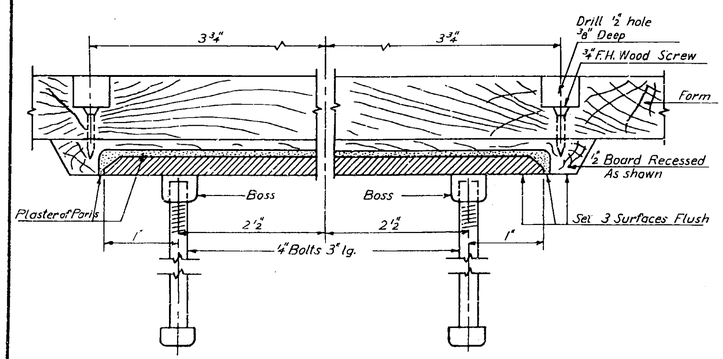
SEC. A-A



WEST ELEVATION

SECTION A-A

LOCATION OF IDENTIFICATION PLATE
Not to Scale



HORIZONTAL SECTION

IDENTIFICATION PLATE
Scale - Full Size

NOTE

Cut and bevel a 1/2"x8 1/2" board to dimensions shown and gauge to form a recess about 5/8 deep and 1/8 larger than bronze plate. Fill recess in board with plaster of paris and set plate so that back of plate, surface of plaster and face of board form a smooth flush surface. Fasten to inside of form with wood screws. When concrete is being placed, very careful spading must be continued back of plate so that the surface of the panel will be free from bubble holes, pockets or exposed coarse aggregate. When removing forms, do not attempt to pull away the 1/2 board, but cut away both board and plaster after form has been removed.

REFERENCE DRAWINGS

General Plan & Notes	*G2*
Railing & Pylon Location	*G10*

MOHAWK THRUWAY
UNDER DUNNSVILLE ROAD
CO. RD. #9R
STA. 6137+70
SCHENECTADY CO.

IDENTIFICATION PLATE

SCALE - FULL SIZE

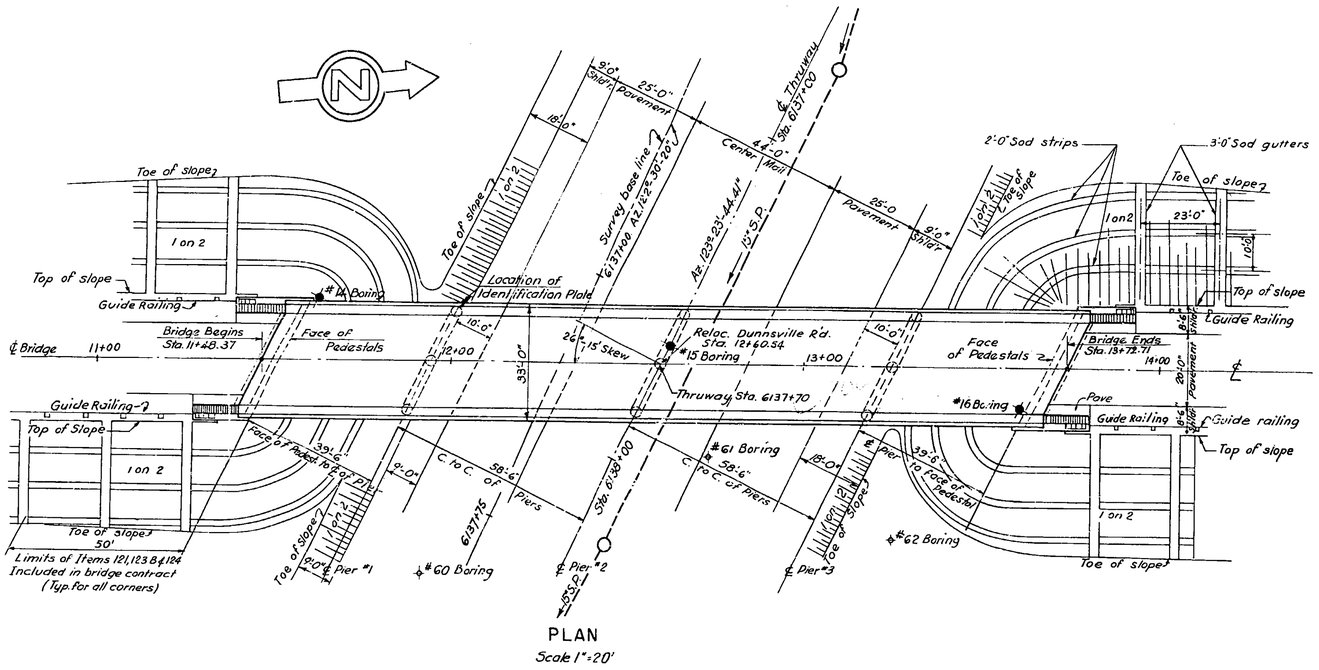
DWG. NO. 481-3-10E-1401

Prepared and Recommended:
E.M. HARLOW, VICE PRES. N.Y. STATE P.E. LIC. NO. 20747 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: W. Lush
Checked by: R-Leroux
Traced by: Corbin
Tracing Chk by: R-Leroux

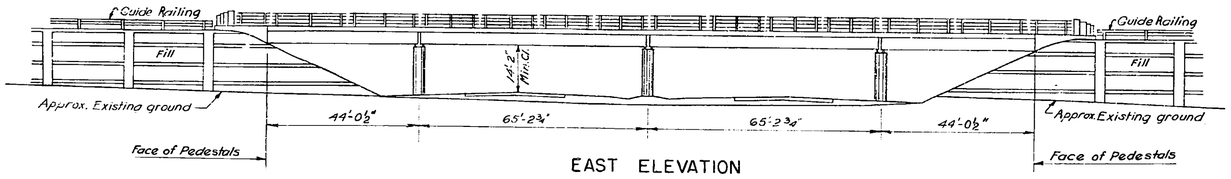
M.T. 58-3 S.T. 58-7

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			30	157
N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



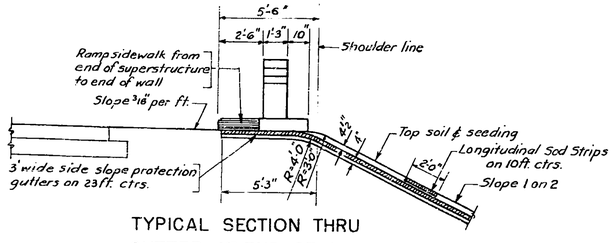
PLAN

Scale 1" = 20'



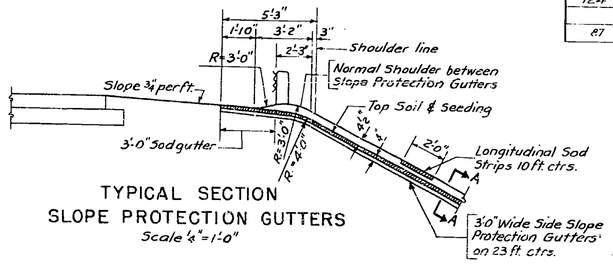
EAST ELEVATION

Scale: 1" = 20'



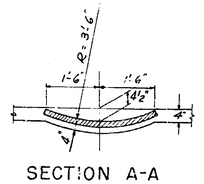
TYPICAL SECTION THRU GUTTER AT END OF WALL

Scale ¼" = 1'-0"



TYPICAL SECTION SLOPE PROTECTION GUTTERS

Scale ¼" = 1'-0"



SECTION A-A

Scale: 2" = 1'-0"

GENERAL NOTES

All concrete, except in pavement & Pylons shall be item 18 "Class 1A Concrete for Structures"
Concrete in pavement shall be item 47B "Cement Concrete Pavement."
Concrete in pylons shall be item 19 "Class 1A Concrete for Railings"
The cost of furnishing and installing caulking compound, premoulded bituminous joint material, sponge rubber joint material & copper flashing shall be included in the prices bid for the various items in this contract.
After the concrete is cured, the contractor shall apply a waterproofing oil treatment, as described in the specifications for M4IW, to all exposed surfaces, except on the underside of slabs. Two coats of waterproofing oil treatment shall be applied to the top of the slab; the second coat shall be applied two days prior to the placing of the pavement or sidewalk. (Prices to be included in the Unit price for Concrete Slabs.)
Material & fabrication: Specifications of New York State Department of Public Works dated Jan. 2, 1951 & current modifications & additions.
Design Specifications: AASHO 1949.
Loading: H20-S16-44, modified.
The contractors attention is directed to the special notes for this structure which appear in the Proposal. Particular attention is directed to the spacial notes, which briefly outline the anticipated sub-surface conditions at the site of the structures & which specify certain requirements relative to the construction. No construction joints other than those shown on the plans shall be permitted without the written permission of the Deputy Chief Engineer (Bridges).
Where caulking compound is to be used, the sides of the joints shall be primed with a material satisfactory to the manufacturer of the caulking compound, 20 to 30 minutes before the compound is placed. All joints must be thoroughly clean & dry before the priming coat is applied. Work must be performed by experienced men in this type of work.
Field connections shall be made with turned bolts, rivet bolts or approved equal.
Immediately before placing pavement concrete, the concrete surface upon which it is to be placed shall be thoroughly wetted down continuously for one hour, if the air temperature is above 50° F.
Sponge rubber shall meet the requirements of the standard specification for Preformed Expansion Joint Fillers for concrete, A.S.T.M. Designation D. 544.
Where steel exceeding one inch in thickness is to be welded, electrodes of classification number E 6015 or E 6016 shall be used.
For design purposes the assumed load per pile does not exceed 30 tons
All anchor bolts shall be accurately set and securely held in position in the forms while concrete is being poured.
Cement for "Cement Concrete Pavement" Item 47B, shall consist of 87½% by volume of "Portland Cement Type 2 "Item 15-2 and 12½% of Natural Cement, Type N," Item 15 N

ESTIMATED QUANTITIES.

ITEM NO.	DESCRIPTION	UNIT.	COMBINED NEAT.	COMBINED ROUND	SUPERST. NEAT.	SUPERST. ROUND	SUBSTR. NEAT	SUBSTR. ROUND
5	Trench, Culvert & Bridge Excavation	C.Y.	350	400			350	400
15-2	Portland Cement Type 2	Bbl.	1243	1290	523	541	720	749
15 N	Natural Cement Type N	Bbl.	176	190	61	66	115	124
18	Class 1A Concrete for Structures	C.Y.	609	640	228	240	381	400
19	Class 1A Concrete for Railings	C.Y.	3	5			3	5
* 25F	Steel Fabric Reinforcement	S.Y.	714	750	714	750		
28	Bar Reinforcement for Structures	Lb.	121,670	126,000	55876	57880	65,794	68120
28B	Spiral Bar Shear Connectors	Lb.	3,584	4,000	3,584	4000		
29	Structural Steel	Lb.	228,800	240,000	228,800	240000		
37	Metal Railing	L.F.	484	490	484	490		
47B	Cement Concrete Pavement	C.Y.	73	80	73	80		
79	Dry Stone Paving	S.Y.	419	450			419	450
85C	Cast-in-place Concrete Piles	L.F.	6850	7000			6850	7000
121	Top Soil Placed from Stockpiles	C.Y.	123	130			123	130
123B	Seeding on Prepared Areas	Acres	0.3	1			0.3	1
124	Sodding	S.Y.	418	430			418	430
87	Equipment for Driving Piles	L.S.	Nec.	Nec.			Nec.	Nec.

* Steel Fabric Reinforcement shall be furnished in Flat sheets

LIST OF DRAWINGS

TITLE	SHEET NO.
Identification Plate	G1
General Plan, Elevation & Notes	G2
Profiles & Sections	G3
Abutments, Plans, & Elevations	G4
Abutments, Sections & Details	G5
Piers, Plan, Elevation & Sections	G6
Footings, Plans & Sections	G7
Bridge Slab, Plan, Section & Details	G8
Beams & Diaphragms, Plan, Sec. & Det	G9
Railing & Pylon Location	G10
Standard Bridge Details	G11
Standard Bridge Details	G12
Bar Schedule	G13

Prepared and Recommended:
E. H. Harlow
E. H. HARLOW, VICE PRES. N. Y. STATE P. E. LIC. NO. 20747 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N. Y.

In Charge of: R. Harris
Made by: C Grant
Checked by: Romo-Leroux
Traced by: J. Reynolds
Tracing Chk by: J. Davison

MOHAWK THRUWAY
UNDER DUNNSVILLE ROAD
CO. RD. #9R
STA. 6137+70
SCHENECTADY CO.

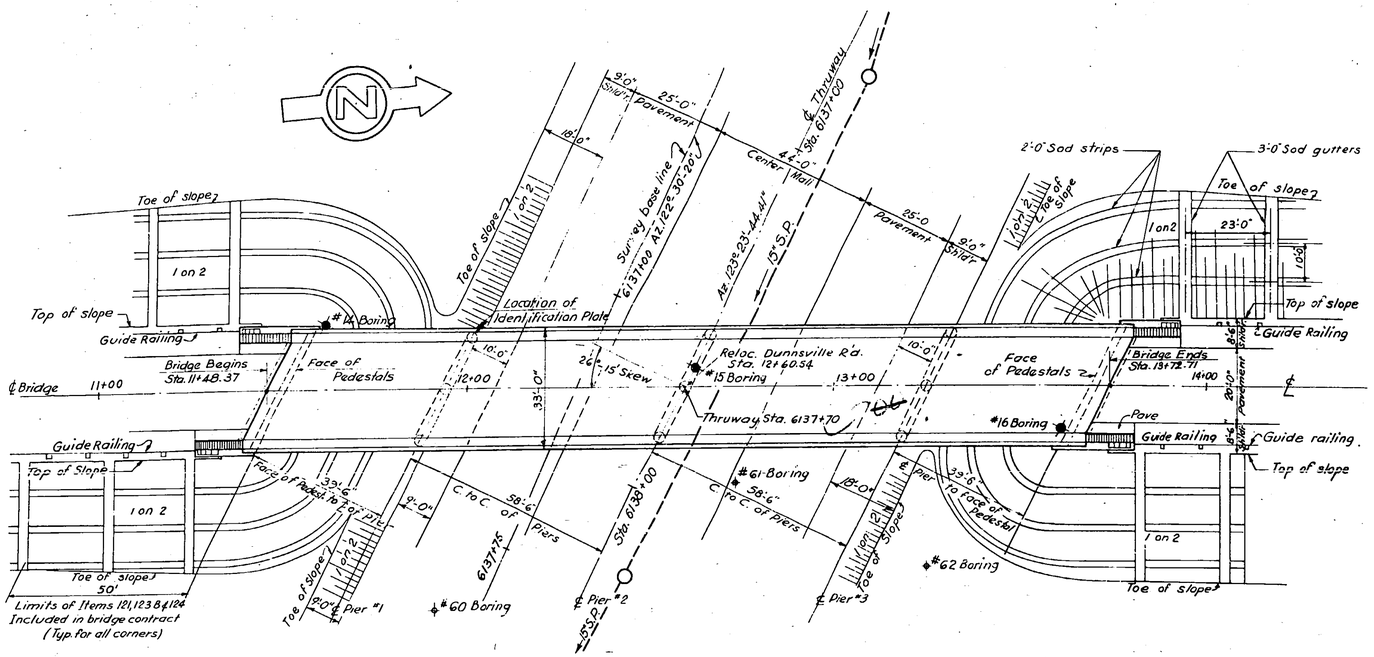
GENERAL PLAN
ELEVATION & NOTES
SCALE AS NOTED

DWG NO. 481-3-10E-1402

G 2

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			30	157
N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				

30R



PLAN

Scale 1"=20'

GENERAL NOTES

All concrete, except in pavement & Pylons shall be item 18 "Class 1A Concrete for Structures" Concrete in pavement shall be item 47B "Cement Concrete Pavement" Concrete in pylons shall be item 19 "Class 1A Concrete for Railings"
The cost of furnishing and installing caulking compound, premoulded bituminous joint material, sponge rubber joint material & copper flashing shall be included in the prices bid for the various items in this contract.
After the concrete is cured, the contractor shall apply a waterproofing oil treatment, as described in the specifications for M41W, to all exposed surfaces, except on the underside of slabs. Two coats of waterproofing oil treatment shall be applied to the top of the slab; the second coat shall be applied two days prior to the placing of the pavement or sidewalk. (Prices to be included in the Unit price for Concrete Slabs.)
Material & fabrication: Specifications of New York State Department of Public Works dated Jan. 2. 1951 & current modifications & additions.
Design Specifications: AASHO 1949.
Loading: H20-S16-44, modified.
The contractors attention is directed to the special notes for this structure which appear in the Proposal. Particular attention is directed to the special notes, which briefly outline the anticipated sub-surface conditions at the site of the structures & which specify certain requirements relative to the construction. No construction joints other than those shown on the plans shall be permitted without the written permission of the Deputy Chief Engineer (Bridges).
Where caulking compound is to be used, the sides of the joints shall be primed with a material satisfactory to the manufacturer of the caulking compound, 20 to 30 minutes before the compound is placed. All joints must be thoroughly clean & dry before the priming coat is applied. Work must be performed by experienced men in this type of work.
Field connections shall be made with turned bolts, rivet bolts or approved equal.
Immediately before placing pavement concrete, the concrete surface upon which it is to be placed shall be thoroughly wetted down continuously for one hour, if the air temperature is above 50° F.
Sponge rubber shall meet the requirements of the standard specification for Preformed Expansion Joint Fillers for concrete, A.S.T.M. Designation D. 544.
Where steel exceeding one inch in thickness is to be welded, electrodes of classification number E 6015 or E 6016 shall be used.
For design purposes the assumed load per pile does not exceed 30 tons
All anchor bolts shall be accurately set and securely held in position in the forms while concrete is being poured.
Cement for "Cement Concrete Pavement" Item 47B, shall consist of 87½% by volume of "Portland Cement Type 2 "Item 15-2 and 12½% of Natural Cement, Type N," Item 15N

ESTIMATED QUANTITIES.

ITEM NO.	DESCRIPTION	UNIT.	COMBINED NEAT.	COMBINED ROUND	SUPERST. NEAT.	SUPERST. ROUND	SUBSTR. NEAT.	SUBSTR. ROUND
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* 25F	Steel Fabric Reinforcement	S.Y.	714	750	714	750		
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28B	Spiral Bar Shear Connectors	Lb.	3,584	4,000	3380 3504	4000		
29	Structural Steel	Lb.	228,800	240,000	~~228,800~~ 226228	240,000		
37	Metal Railing	L.F.	484	490	484	490		
47B	Cement Concrete Pavement	C.Y.	73	80	73	80		
79	Dry Stone Paving	S.Y.	419	450			419	450
85C	Cast-in-place Concrete Piles	L.F.	6850	7000			6850	7000
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123B	Seeding on Prepared Areas	Acres	0.3	1			0.3	1
124	Sodding	S.Y.	418	430			418	430
87	Equipment for Driving Piles	L.S.	Nec.	Nec.			Nec.	Nec.

* Steel Fabric Reinforcement shall be furnished in flat sheets

LIST OF DRAWINGS

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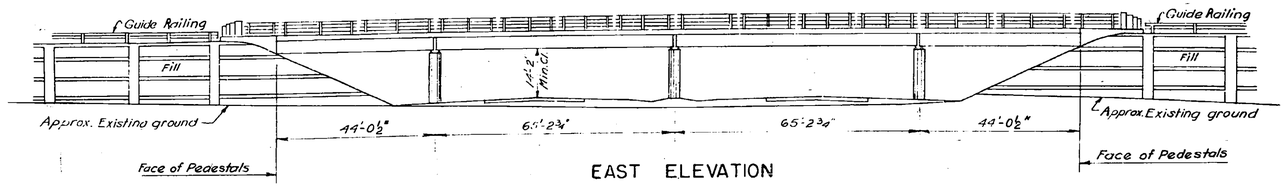
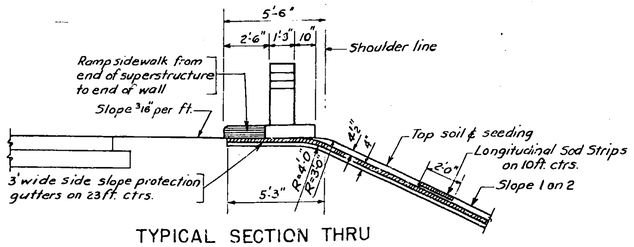
Bridge Slab, Plan, Section & Details	G8
Beams & Diaphragms, Plan, Sec. & Det.	G9
Railing & Pylon Location	G10
Standard Bridge Details	G11
Standard Bridge Details	G12
Bar Schedule	G13



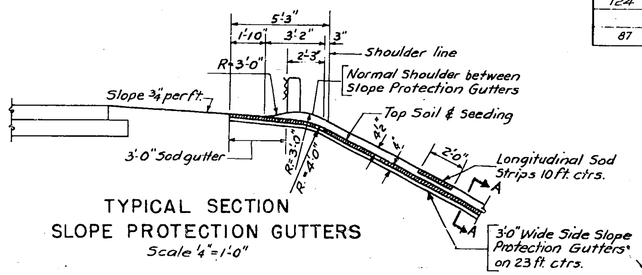
EAST ELEVATION

Scale: 1" = 20'



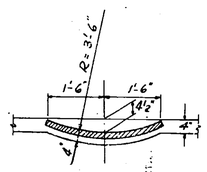
TYPICAL SECTION THRU GUTTER AT END OF WALL

Scale ¼"=1'-0"



TYPICAL SECTION SLOPE PROTECTION GUTTERS

Scale ¼"=1'-0"



SECTION A-A

Scale: ½"=1'-0"

MOHAWK THRUWAY
UNDER DUNNSVILLE ROAD
CO. RD. #9R
STA. 6137+76
SCHENECTADY CO.

GENERAL PLAN
ELEVATION & NOTES

SCALE AS NOTED

DWG NO. 481-3-10E-1402

Prepared and Recommended:

E.H. HARLOW, VICE PRES. N. Y. STATE P. E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS.
27 WILLIAM ST., NEW YORK 5, N. Y.

In Charge of: R. Harris
Made by: C. Grant
Checked by: Roma-Leroux
Traced by: J. Reynolds
Tracing Chk by: J. Davison

G2

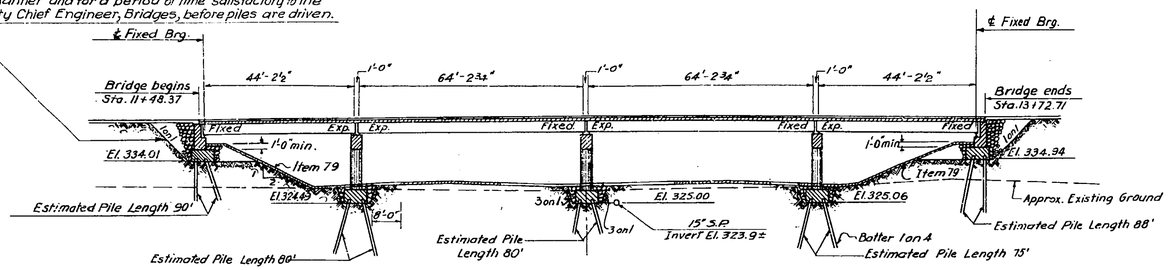
24:1

M.I. 55-3 S.B.-1

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			31	157

N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1

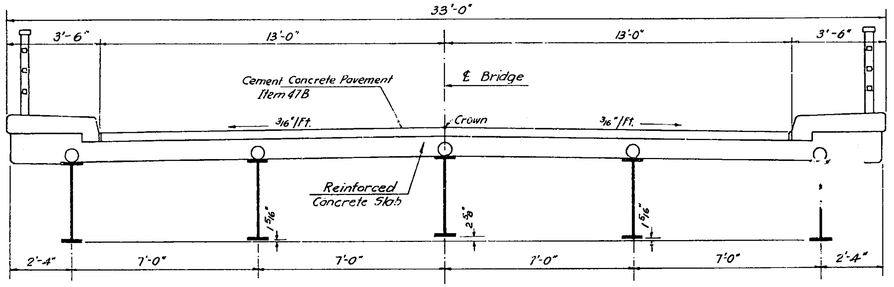
Fill to these upper limits shall be placed and consolidated in a manner and for a period of time satisfactory to the Deputy Chief Engineer, Bridges, before piles are driven.



LONGITUDINAL SECTION

THROUGH ℄ OF BRIDGE

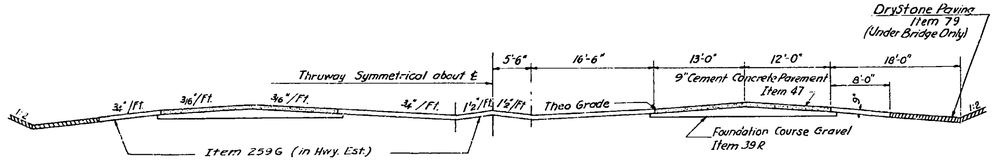
Scale: 1"=20'



TYPICAL CROSS SECTION OF SUPERSTRUCTURE

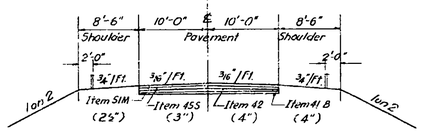
(NORMAL TO STRINGERS)

Scale: 3/8"=1'-0"



THRUWAY SECTION UNDER BRIDGE

Scale: 1"=10'-0"



DUNNSVILLE ROAD

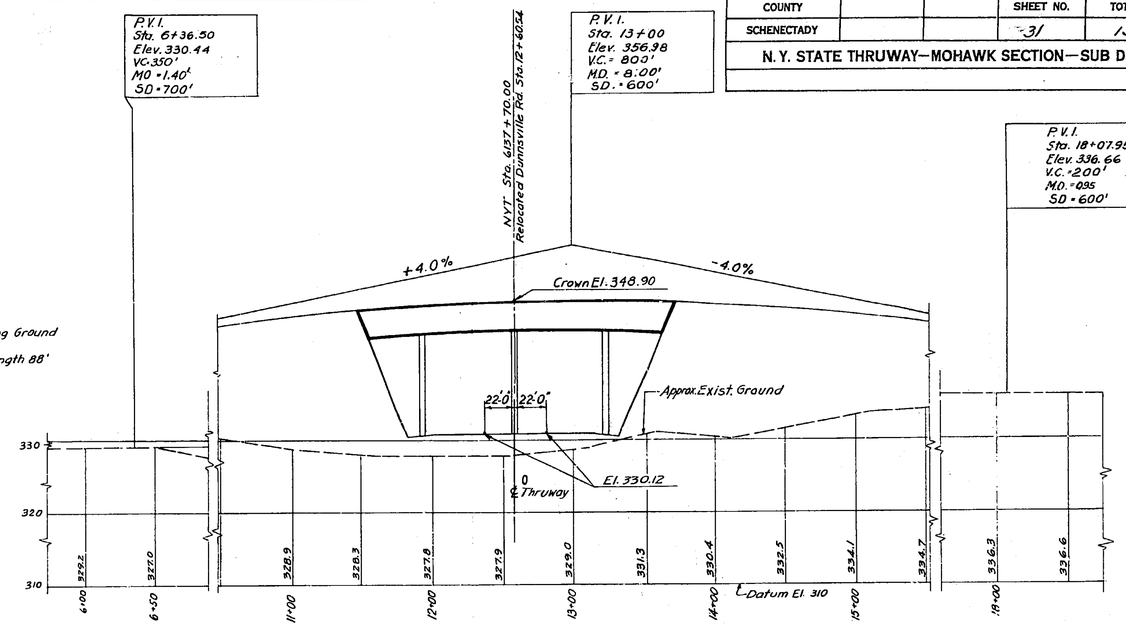
APPROACH SECTION

Scale: 1"=10'

P.V.I.
Sta. 6+36.50
Elev. 330.44
VC. 350'
MO = 1.40'
SD = 700'

P.V.I.
Sta. 13+00
Elev. 356.98
V.C. = 800'
M.D. = 8.00'
S.D. = 600'

P.V.I.
Sta. 18+07.95
Elev. 336.66
V.C. = 200'
M.O. = 0.95
SD = 600'

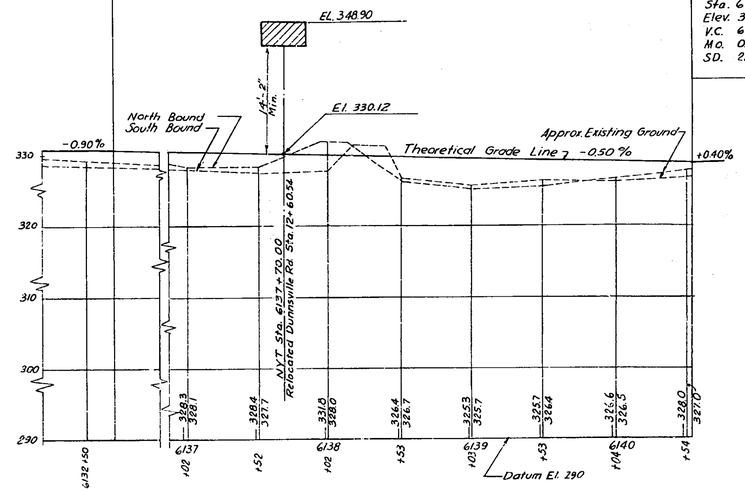


P.V.I.
Sta. 6132+70
Elev. 332.63
V.C. 600'
Mo. 0.30'
SD. 2500

RELOCATED DUNNSVILLE ROAD PROFILE

Scale: Horiz. 1"=50'
Vert. 1"=10'

P.V.I.
Sta. 6+58+15
Elev. 319.90
V.C. 600
M.O. 0.68
S.D. 2100+



THRUWAY PROFILE

Scale: Horiz. 1"=50'
Vert. 1"=10'

REFERENCE DRAWINGS

Thruway, Plan & Profile _____ 481-3-10A-3
Thruway Typical Section _____ 481-3-70-4
General Plan, Elev. & Notes _____ G2

MOHAWK THRUWAY
UNDER DUNNSVILLE ROAD
CO. RD. #9R
STA. 6137+70
SCHENECTADY CO.

PROFILES & SECTIONS

SCALE AS NOTED

Prepared and Recommended:
E. H. Harlow
E. H. HARLOW, VICE PRES. N.Y. STATE P. E. LIC. NO. 20747 DATE Jan 9 '57
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

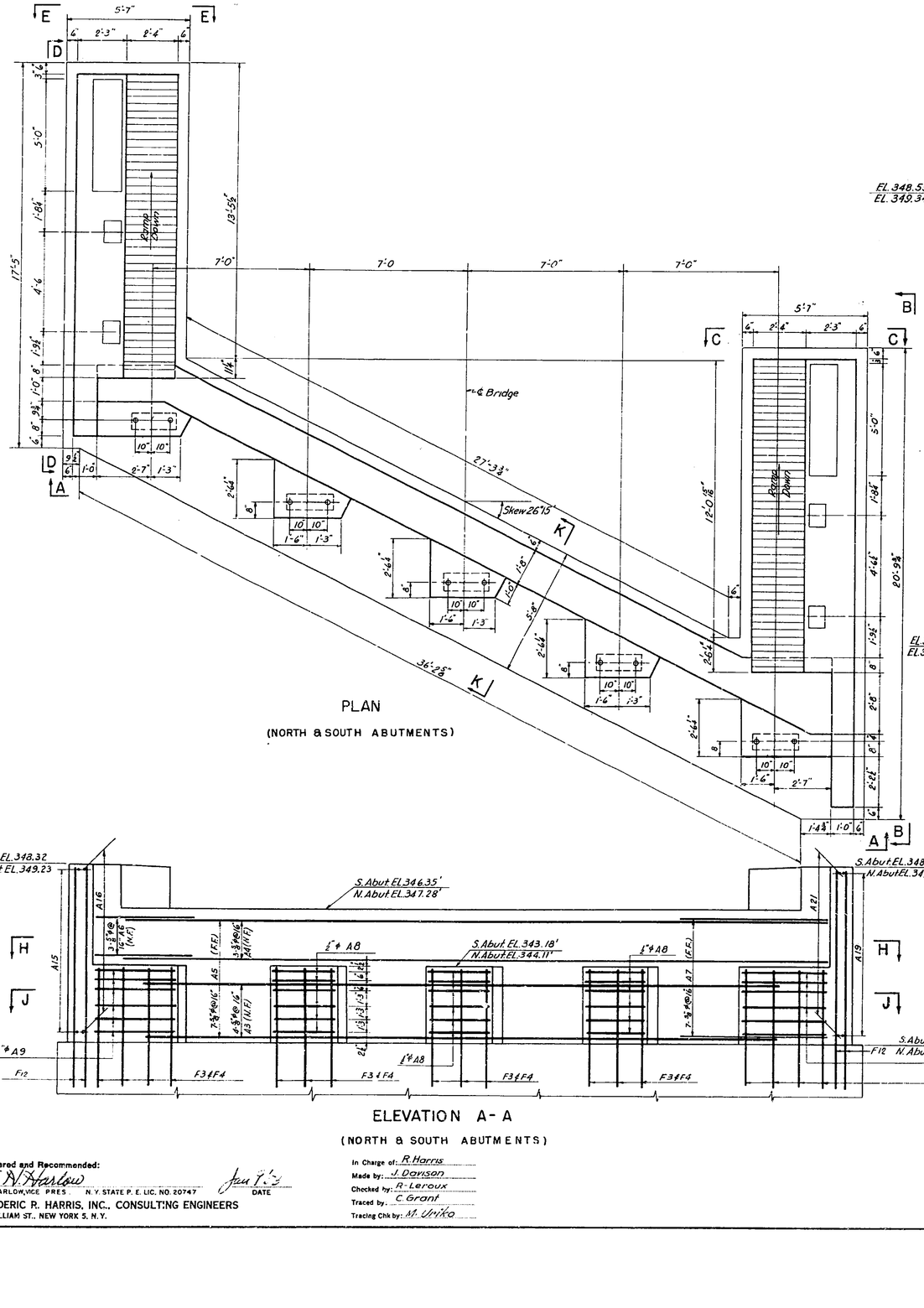
In Charge of: R. Harris
Made by: O. Wisprew
Checked by: R. Leroux
Traced by: O. Wisprew
Tracing Chk by: J. Davison

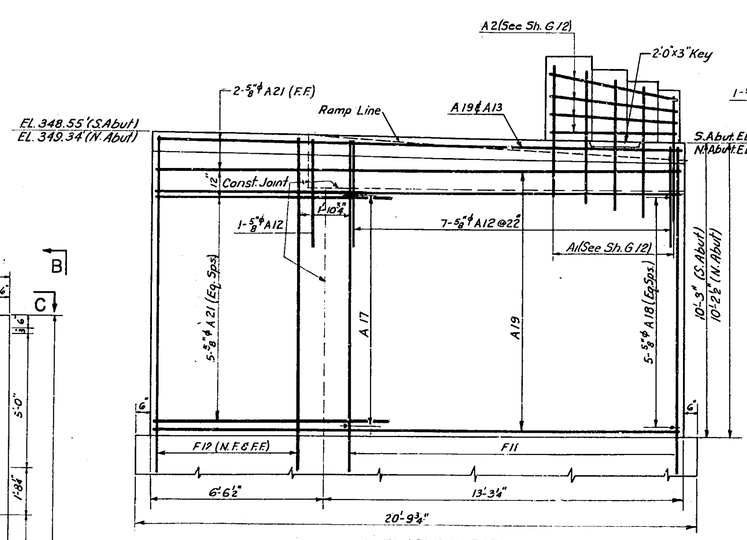
DWG NO. 481-3-10E-1403

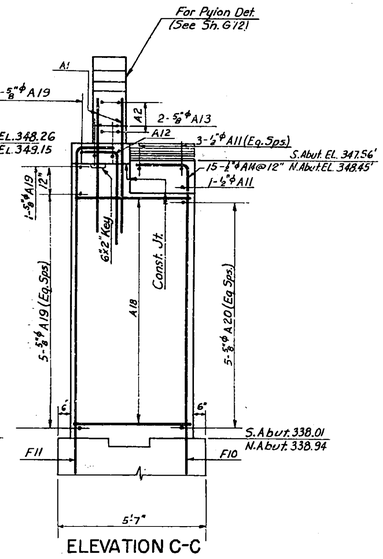
G3

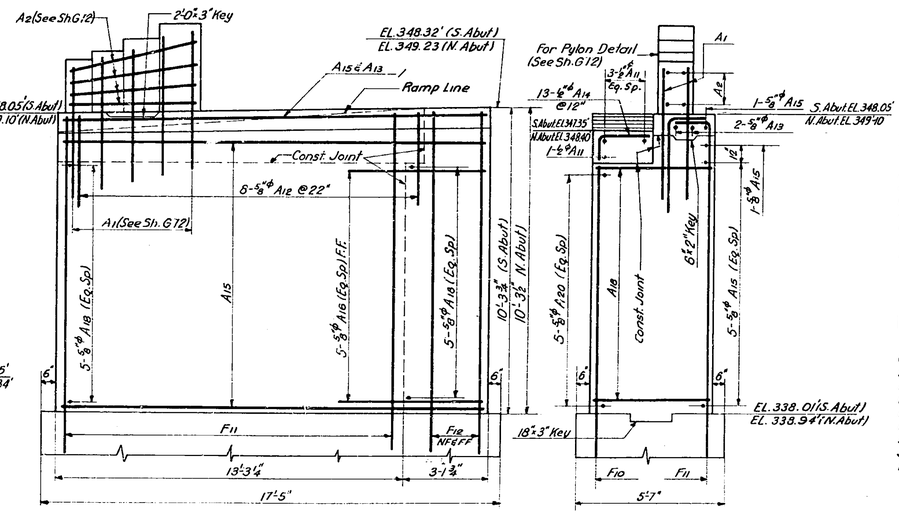
M.T. 58-3 S.T 58-7

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			32	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				









NOTES:

Placing dimensions given center to center of bars, unless noted.
Where reinforcement interferes with anchor bolt sleeves, etc. shift or bend bars.
Concrete cover for reinforcement shall be 2" minimum.
For F-bars see Sheet G6.

REFERENCE DRAWINGS:

General Plan & Notes	G2
Profiles & Sections	G3
Abutments, Sections & Details	G6
Footings, Plan & Sections	G5
Bridge Slab & Wearing Surface	G8
Railing & Pylon Location	G10
Standard Bridge Details	G11
Standard Bridge Details	G12
Bar Schedule	G13

MOHAWK THRUWAY
UNDER DUNNSVILLE ROAD
CO. RD. #9R
STA. 6137+70
SCHENECTADY CO.

ABUTMENTS
PLANS & ELEVATIONS

SCALE 3/8" = 1'-0"

DWG. NO. 481-3-10E-1404

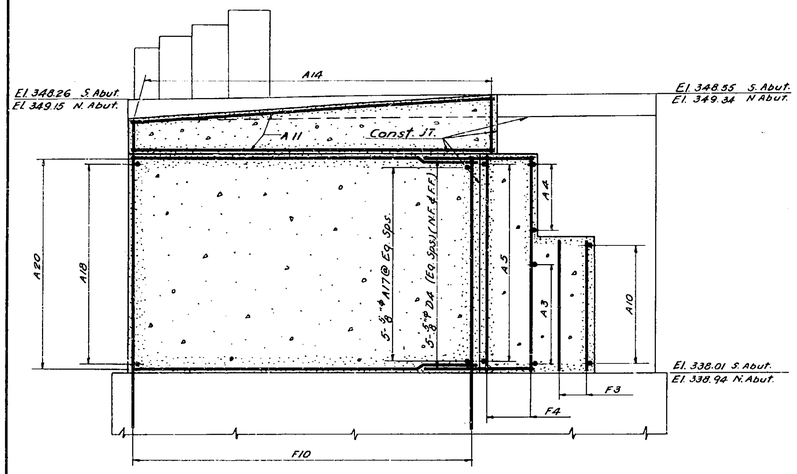
Prepared and Recommended:
E.H. Harlow
E.H. HARLOW, VICE PRES. N.Y. STATE P. E. LIC. NO. 20747
DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: J. Davison
Checked by: R. Leroux
Traced by: C. Grant
Tracing Chk by: M. Uniko

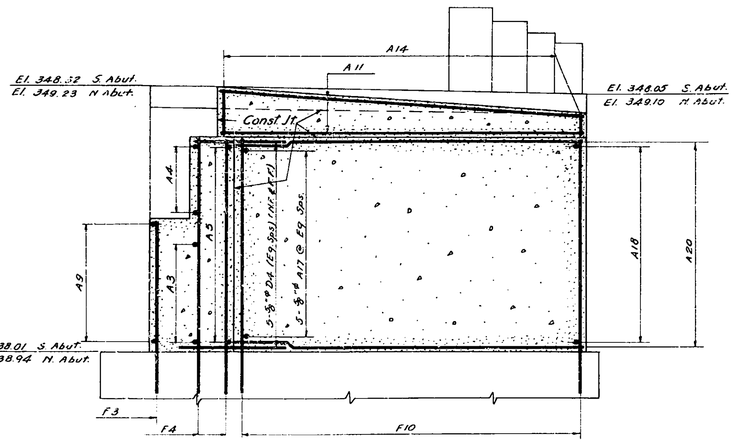
G4

M.T. 58-3 S.T 58-7

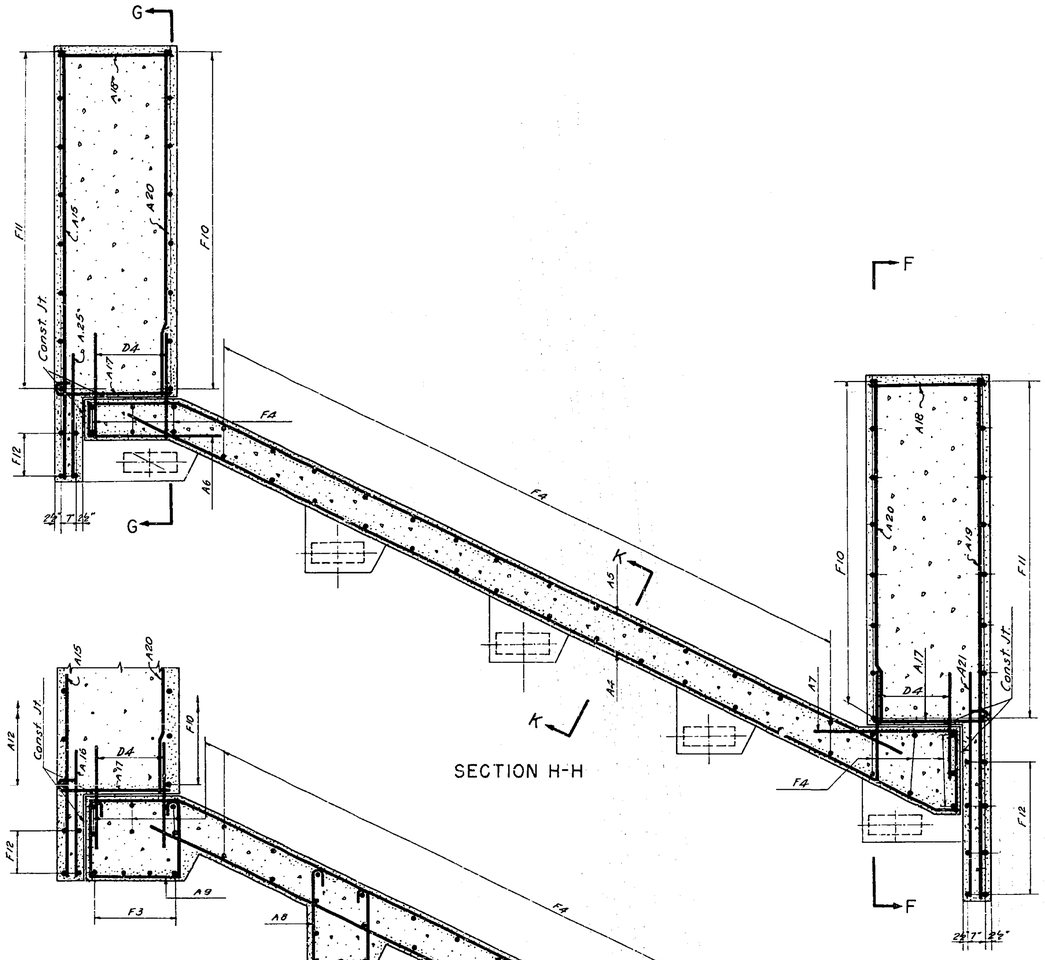
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			33	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



SECTION F-F

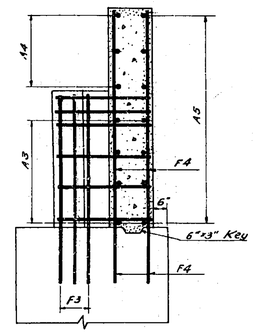


SECTION G-G



SECTION H-H

SECTION J-J



SECTION K-K

NOTES:

Placing dimensions given center to center of bars unless noted.
Where reinforcement interferes with anchor bolt sleeves, etc, shift or bend bars.
Concrete cover for reinforcement shall be 2" min.
For F-bars see Sheet G7

REFERENCE DRAWINGS:

General Plan & Notes G2
Abutments, Plan, Sections & Details G4
Footings, Plans & Sections G7
Standard Bridge Details G11
Standard Bridge Details G12
Bar Schedule G13

MOHAWK THRUWAY
UNDER DUNNSVILLE ROAD
CO. RD. #9R
STA. 6137+70
SCHENECTADY CO.

ABUTMENTS
SECTIONS & DETAILS

SCALE 3/8"=1'-0"

DWG. NO. 481-3-10E-1405

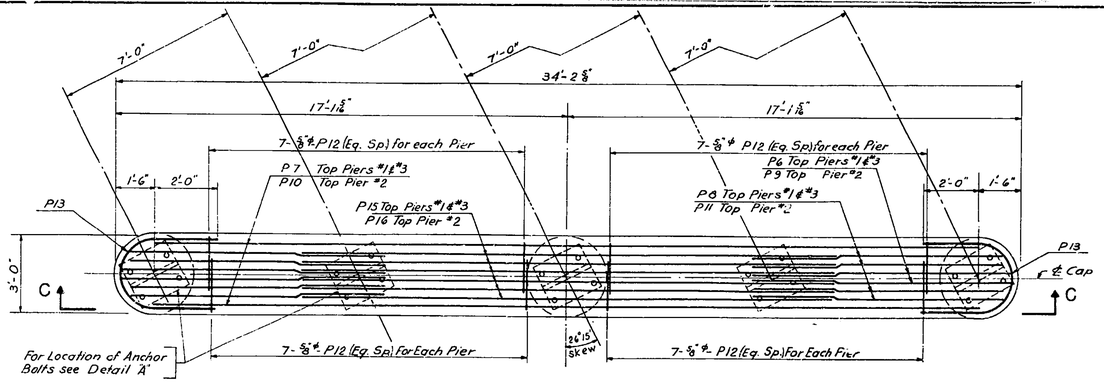
Prepared and Recommended:
E.H. Harlow, Vice Pres — N.Y. State P.E. Lic. No. 20747 — Date
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: P. Harris
Made by: P. Lewicky
Checked by: A. Roma-Lefaux
Traced by: D. Wisgrow
Tracing Chk by: M. Uriko

24:1

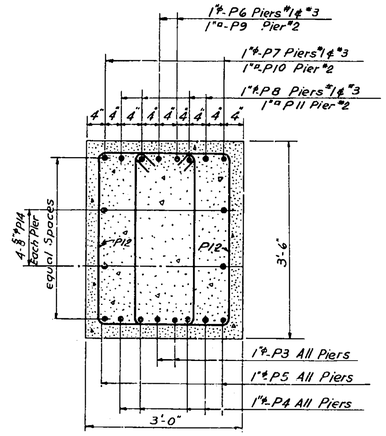
M.T. 53-3 S.T 53-7

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			34	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



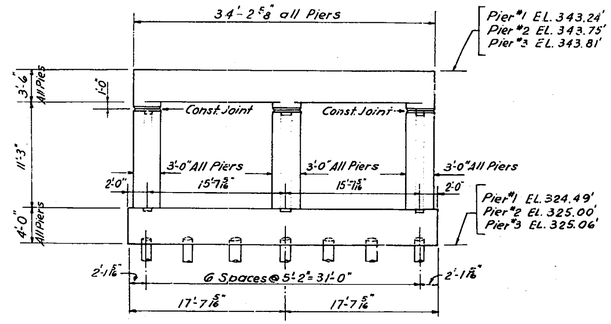
CAP PLAN

Scale 3/8"=1'-0"



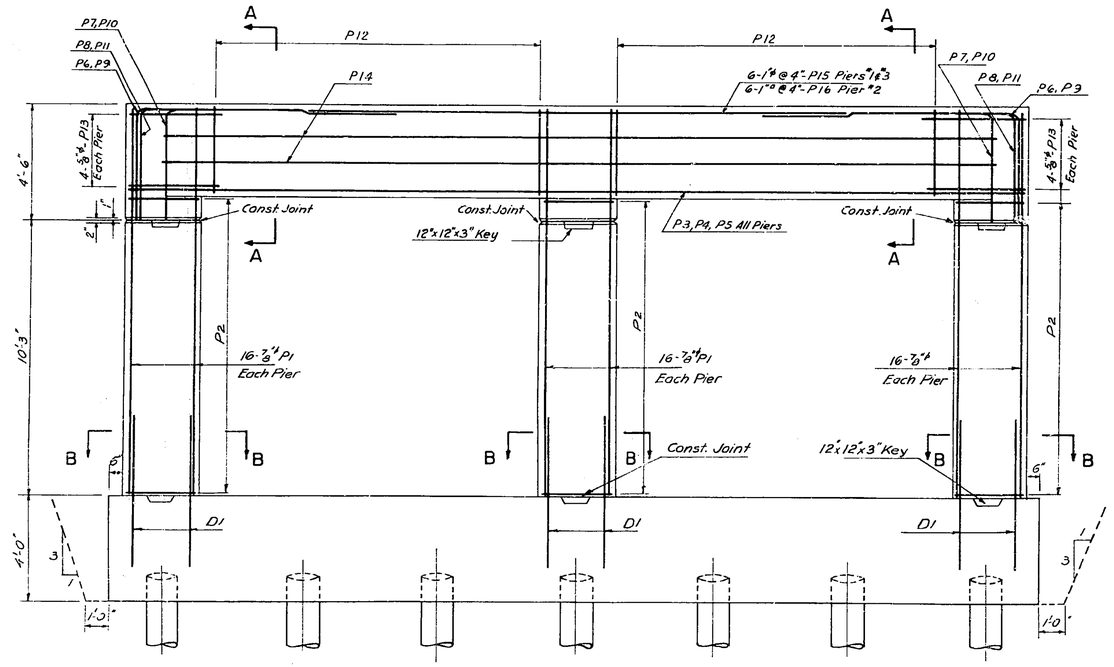
SECTION A-A

Scale 3/4"=1'-0"



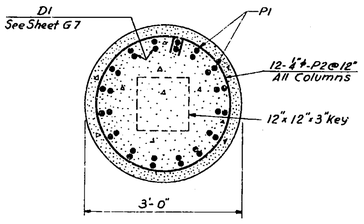
ELEVATION

Scale 1/8"=1'-0"



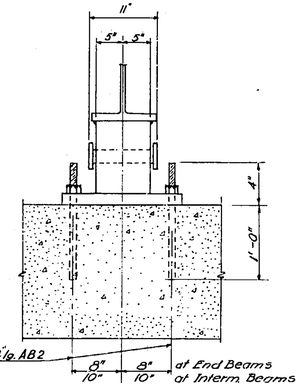
ELEVATION C-C

Scale 3/8"=1'-0"



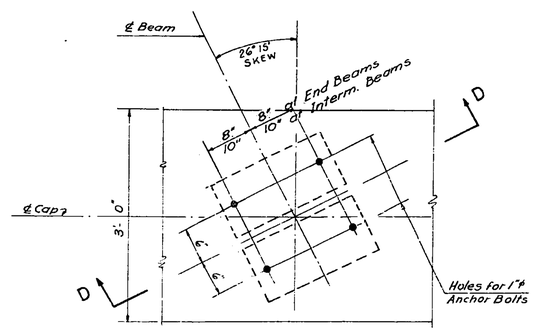
SECTION B-B

Scale 3/4"=1'-0"



SECTION D-D

Scale 1"=1'-0"



DETAIL "A"

Scale: 1"=1'-0"

NOTES:

Concrete for Piers shall be Item 18.
Bar Reinforcement for Piers shall be Item 28.
Anchor bolts shall be Item 29.
Placing dimensions are given center to center of bars unless noted.
Where reinforcement interferes with anchor bolt sleeves, spiral connectors etc, shift or bend bars.
Concrete coverage for reinforcement shall be 2" minimum unless noted.
All anchor Bolts shall be accurately set and securely held in position in the forms while concrete is being placed.

REFERENCE DRAWINGS:

General Plan Elevation & Notes	G2
Profiles & Sections	G3
Footings, Plans & Sections	G7
Standard Bridge Details	G11
Bar Schedule	G13

Prepared and Recommended:
E.H. Harlow
E.H. HARLOW, VICE PRES. N.Y. STATE P.E. LIC. NO. 20747 DATE Jan 15

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: A Francken
Checked by: R-Leroux
Traced by: J. Reynolds
Tracing Chk by: M. Urito

MOHAWK THRUWAY
UNDER DUNNSVILLE ROAD
CO. RD. #9R
STA 6137+70
SCHENECTADY CO.

PIERS

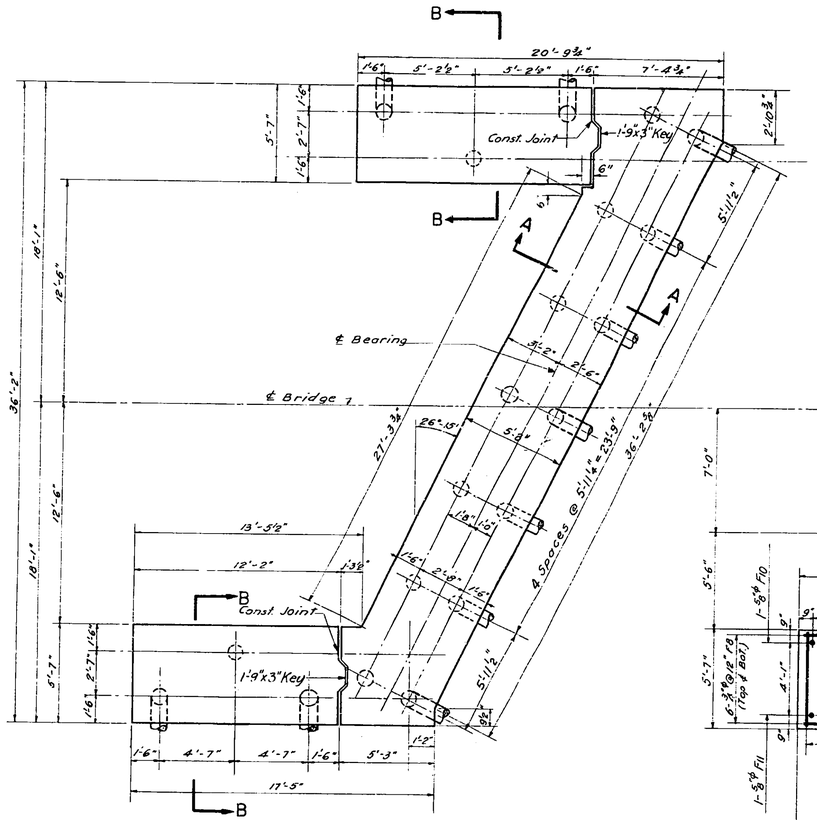
PLAN, ELEV., SECT., & DETAILS

SCALE: AS SHOWN

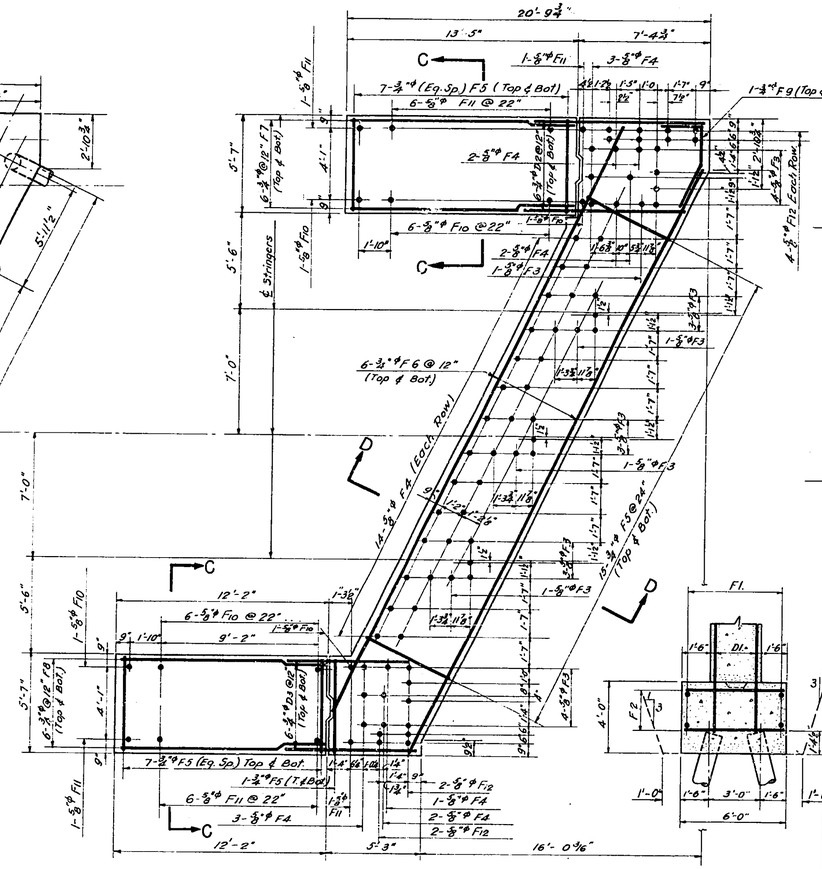
DWG. NO. 48I3-10E-1406

M. 1. 88-3 S.T 55-7

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			35	157
N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				

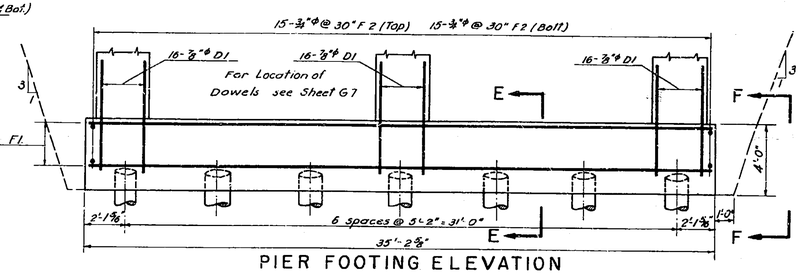


PILE PLAN
(NORTH & SOUTH ABUTMENT FOOTINGS)
Scale ¼"=1'-0"

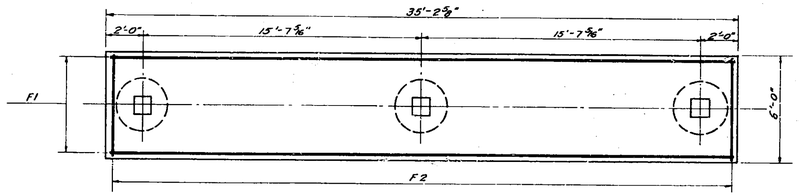


REINFORCING PLAN
(NORTH & SOUTH ABUTMENT FOOTINGS)
Scale ¼"=1'-0"

ELEVATION F-F
Scale ¼"=1'-0"



PIER FOOTING ELEVATION
Scale ¼"=1'-0"

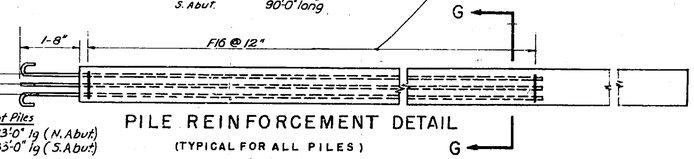


PIER FOOTING PLAN
Scale ¼"=1'-0"

NOTE:
Reinforcing cages shall be fabricated before being placed and held in position while concrete is being poured.
Estimated length of piles: Piers #1 & #2, 80'-0" long
Pier #3, 75'-0" long
N. Abut. 88'-0" long
S. Abut. 90'-0" long

Hoops for Straight Piles
N. Abut. 32-½"ϕ F16 Hoops
S. Abut. 32-½"ϕ F16 Hoops

Hoops for Batter Piles
Piers #1 & #2. 42-½"ϕ F16 Hoops
Pier #3 42-½"ϕ F16 Hoops
N. Abutment. 47-½"ϕ F16 Hoops
S. Abutment. 47-½"ϕ F16 Hoops



PILE REINFORCEMENT DETAIL
(TYPICAL FOR ALL PILES)
Scale ½"=1'-0"

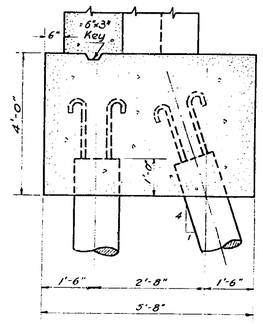
Bars for Straight Piles
6-¾"ϕ F14 ea. 33'-0" lg (N. Abut)
6-¾"ϕ F14 ea. 33'-0" lg (S. Abut)

Bars for Batter Piles
6-¾"ϕ F15 ea. 48'-0" lg (N. Abut)
6-¾"ϕ F15 ea. 48'-0" lg (S. Abut)
6-¾"ϕ F13 ea. 43'-0" lg (Piers #1 & 2)
6-¾"ϕ F13 ea. 43'-0" lg (Pier #3)

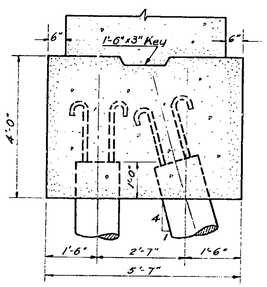
NOTES
For design purposes load assumed not to exceed 30 Tons per pile.
All piles shall be cast in place. Concrete piles, Item 85C.
Placing dimensions are given center to center of bars unless noted.
Minimum lap length for splices shall be 40 diam.
Concrete cover for reinforcement shall be 3" minimum.

REFERENCE DRAWINGS:

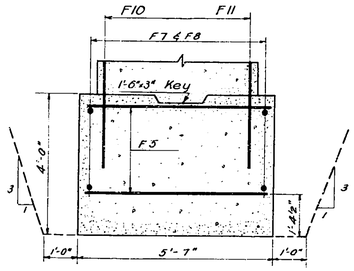
Profiles & Sections	G3
Abutments, Plans & Elevations	G4
Abutments, Sections & Details	G5
Piers, Elevations, Sections & Details	G6
Bar Schedule	G13



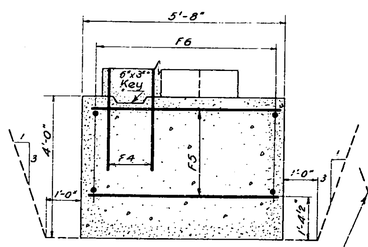
SECTION A-A
Scale ½"=1'-0"



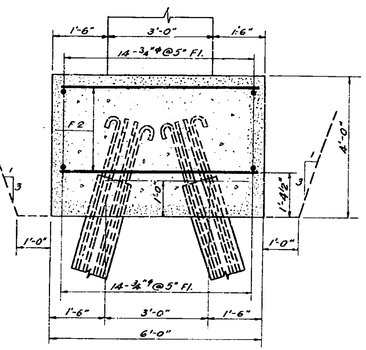
SECTION B-B
Scale ½"=1'-0"



SECTION C-C
Scale ½"=1'-0"

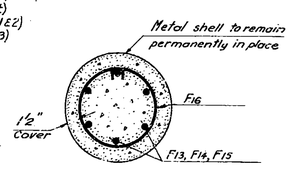


SECTION D-D
Scale ½"=1'-0"



SECTION E E
Scale ½"=1'-0"

Payment Line for Excavation (Item 5) (Typical Along all Sides of footings. Piers #1, #2, #3)



SECTION G-G
Scale 1½"=1'-0"

MOHAWK THRUWAY
UNDER DUNNSVILLE ROAD
CO. RD. #9R
STA. 6137+70
SCHENECTADY CO.

FOOTINGS
PLANS, ELEVATIONS & SECTIONS

SCALE AS SHOWN.

DWG. NO. 481-3-10E-1407

Prepared and Recommended:
E. H. Harlow
E. H. HARLOW, VICE PRES. N.Y. STATE P. E. LIC. NO. 20747
Jan 1 '62
DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

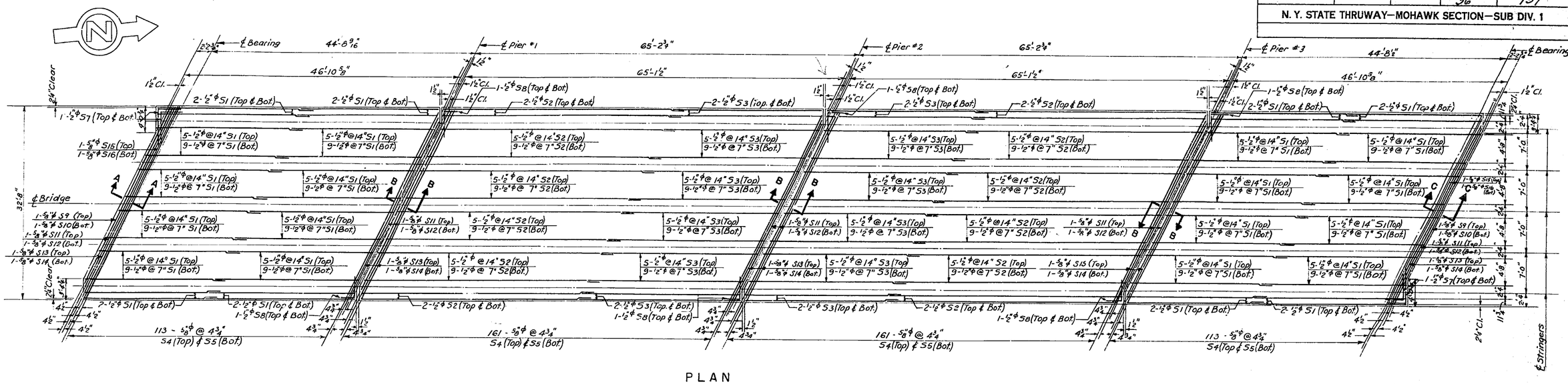
In Charge of: R. Harris
Made by: R. Lewicky
Checked by: R - Leroux
Traced by: O. Wisprew
Tracing Chk by: M. Uriko

G7

M.L. 58-3 S.T. 58-7

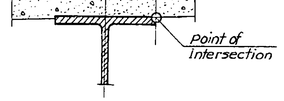
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			36	157

N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1



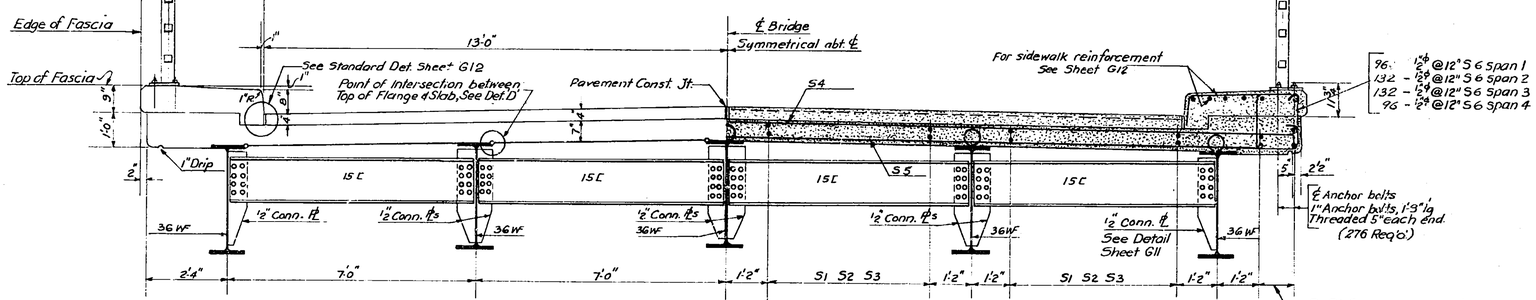
PLAN

SCALE: 1/8"= 1'-0"



DETAIL D

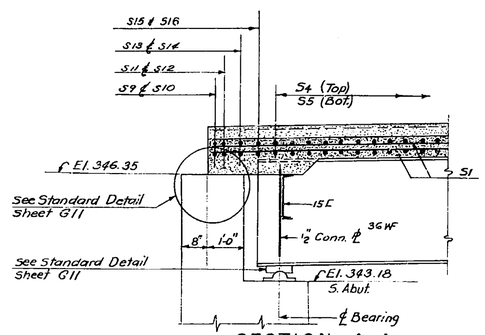
SCALE: 1 1/2"= 1'-0"



TYPICAL SECTION

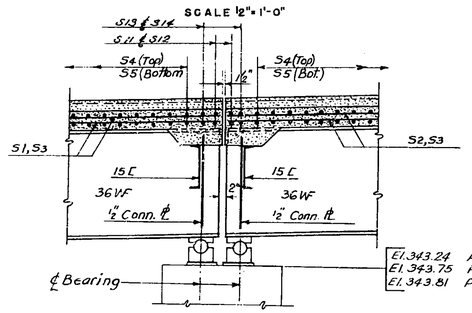
(NORMAL TO STRINGERS)

SCALE 1/2"= 1'-0"



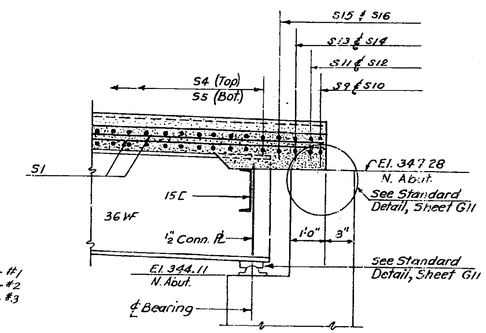
SECTION A-A

SCALE: 1/2"=1'-0"



SECTION B-B

SCALE: 1/2"=1'-0"



SECTION C-C

SCALE: 1/2"= 1'-0"

NOTES:

Placing dimensions are given center to center of bars, unless noted.
Where reinforcement interferes with anchor bolt sleeves, spiral connectors etc, shift or bend bars.

Minimum lap length for splices shall be 40 bar diameters
Concrete cover shall be 1" except as noted
Concrete for slab shall be Item 18.
Bar Reinforcement for slab shall be Item 29.

REFERENCE DRAWINGS:

General Plan & Notes ____ G2
Profiles & Sections ____ G3
Abutments, Plans & Elevations ____ G4
Abutments, Sections & Details ____ G5
Piers, Plan, Elevation & Sections ____ G6
Beams & Diaphragms ____ G9
Railing & Pylon location ____ G10
Standard Bridge Details ____ G11
Standard Bridge Details ____ G12
Bar Schedule ____ G13

MOHAWK THRUWAY
UNDER DUNNSVILLE ROAD
CO. RD. #9R
STA. 6137+70
SCHENECTADY CO.

BRIDGE SLAB

PLAN, SECTION & DETAILS

SCALE - AS NOTED

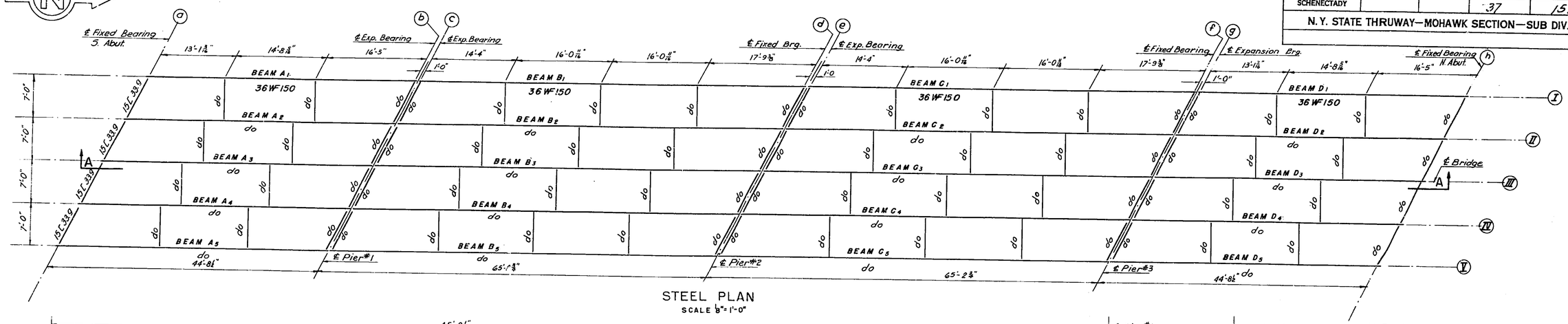
DWG. NO. 481-3-10E-1408

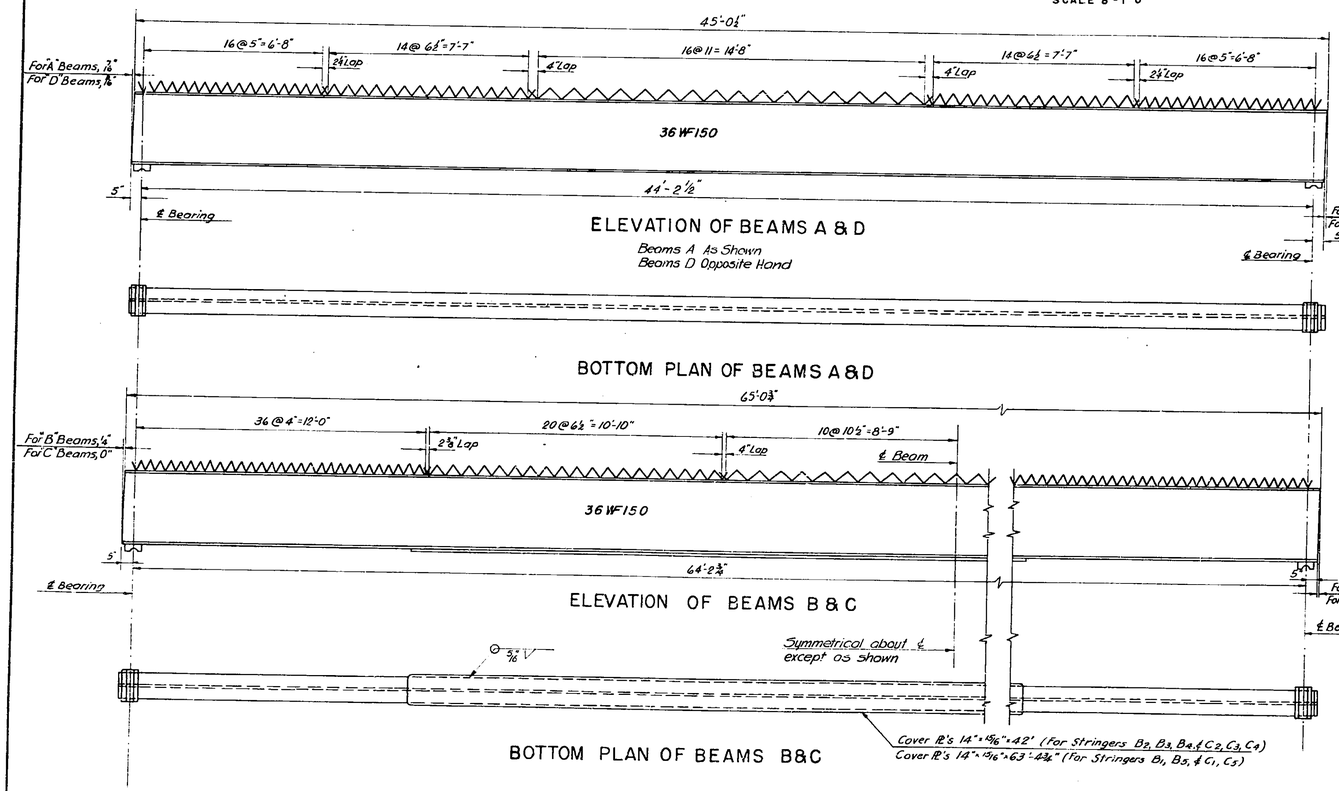
Prepared and Recommended:
E. H. HARLOW, VICE PRES. N.Y. STATE P. E. LIC. NO. 20747 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N. Y.

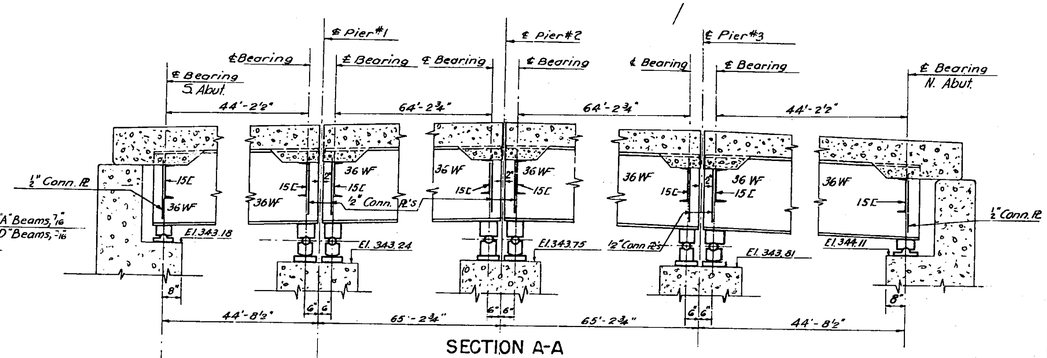
In Charge of: R. Harris
Made by: C. Grant
Checked by: R-Leroux
Traced by: C. Grant
Tracing Chk by: M. Uriko

M.E. [illegible] S.T 55-7

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			37	157
N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				

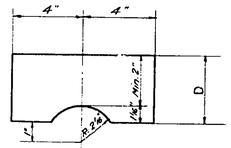






SHOE	D	SHOE	D	SHOE	D	SHOE	D
Ia	5 7/16"	Ib	4 13/16"	Ic	4 15/16"	If	3 1/8"
IIa	6 1/4"	IIb	5 11/16"	IIc	5 13/16"	IIf	4 9/16"
IIIa	6 15/16"	IIIb	6 3/8"	IIIc	6 1/2"	IIIf	5 1/4"
IVa	5"	IVb	4 13/16"	IVc	5"	IVf	4 3/8"
Va	3 1/16"	Vb	3 1/16"	Vc	3 1/8"	Vf	3 1/2"
Ih	3 1/16"	Id	3 3/4"	Ie	3 3/4"	Ig	3 1/16"
IIh	4 3/8"	IId	5"	IIe	5"	IIg	4 1/2"
IIIh	6 1/8"	IIId	5 5/8"	IIIe	6"	IIIg	5 3/4"
IVh	5 5/16"	IVd	4 9/16"	IVe	4 3/8"	IVg	4 3/4"
Vh	4 1/4"	Vd	3 1/16"	Ve	3 1/8"	Vg	3 1/2"

BEARING SHOE DIMENSIONS.



NOTES:

For Diaphragm connections & Spiral Details see Sh. G11
Camber for "A" & "D" Bms = 1½" | D.L. & Curvature
Camber for "B" & "C" Bms = 3" |
Structural Steel shall be Item 29.

REFERENCE DRAWINGS:

General Plan, Elevations & Notes ____ G 2
Profiles & Sections ____ G 3
Abutments, Plans, & Elevations ____ G 4
Piers, Elevations, Sections & Details ____ G 6
Bridge Slab, Plan, Sections & Details ____ G 8
Standard Bridge Details ____ G 11
Standard Bridge Details ____ G 12

MOHAWK THRUWAY
UNDER DUNNSVILLE ROAD
CO. RD. #9R
STA. 6137+70
SCHENECTADY CO.

BEAMS & DIAPHRAGMS
PLAN, SECTION & DETAILS

SCALE 3/8" - 1'-0"
EXCEPT- AS NOTED

DWG NO. 481-3-10E-1409

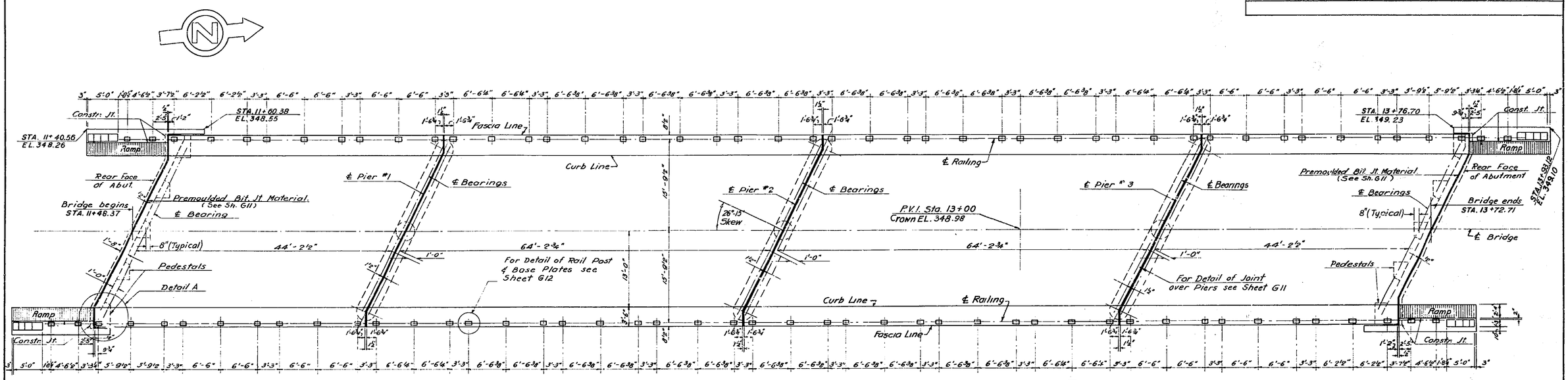
Prepared and Recommended:
E. H. HARLOW, VICE PRES. N.Y. STATE P. E. LIC. NO. 20747 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

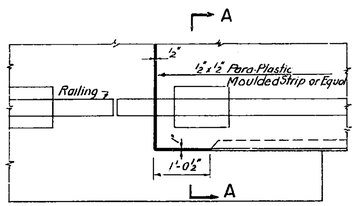
In Charge of: R. Harris
Made by: M. Uriko
Checked by: R. Leroux
Traced by: O. Wisprew
Tracing Chk by: J. Davison

M.T. 53-6 S.T 58-7

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			38	157

N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1

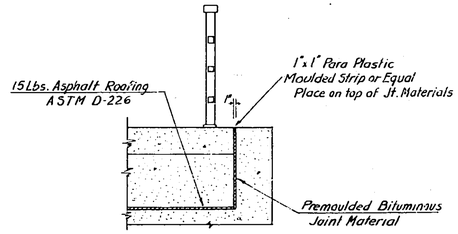




PLAN VIEW

(HORIZONTAL PROJECTION)

SCALE ⅛"=1'



REFERENCE DRAWINGS:

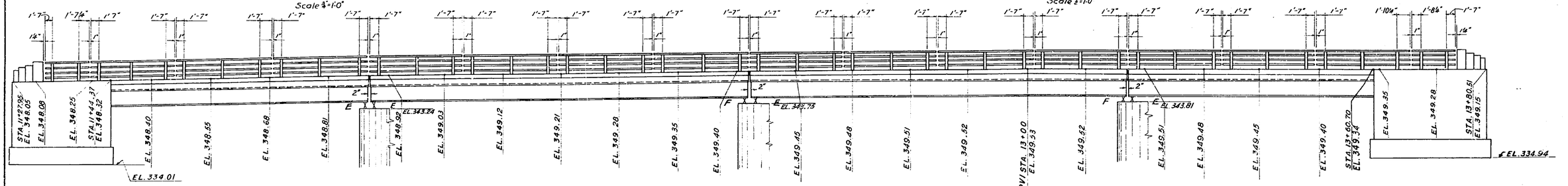
General Plan, Elevations & Notes	G2
Profiles & Sections	G3
Abutments, Plans & Elevations	G4
Abutments, Sections & Details	G5
Piers, Plan, Elevations, Sections & Details	G6
Footings, Plan, Elevation, Sections & Details	G7
Bridge Slab, Plan, Sections & Details	G8
Beams & Diaphragms, Plans, Sections & Details	G9
Standard Bridge Details	G11
Standard Bridge Details	G12

DETAIL A

Scale ¾"=1'-0"

SECTION A-A

Scale ½"=1'-0"



Fascia Elevations @ 10'-0" Intervals

East & West Sides

(West Side - Opposite Hand)

EAST ELEVATION

Scale: ⅛" = 1'-0"

MOHAWK THRUWAY
UNDER DUNNSVILLE ROAD
CO. RD. #9R
STA. 6137+70
SCHENECTADY CO.

RAILING & PYLON LOCATION

SCALE AS SHOWN

DWG. NO. 481-3-10 E-1410

Prepared and Recommended:

E. H. HARLOW, VICE PRES. N.Y. STATE P. E. LIC. NO. 20747 DATE

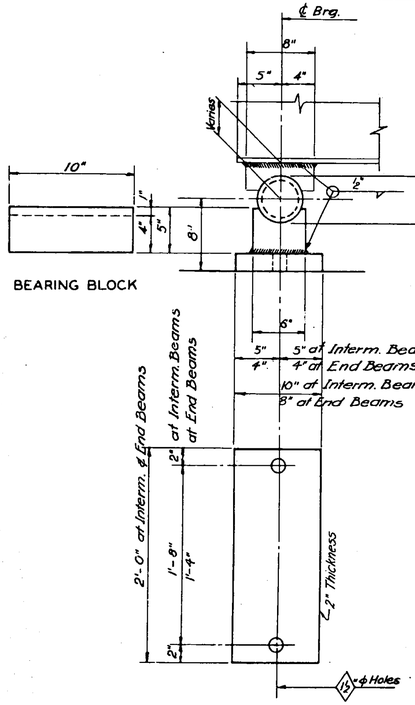
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

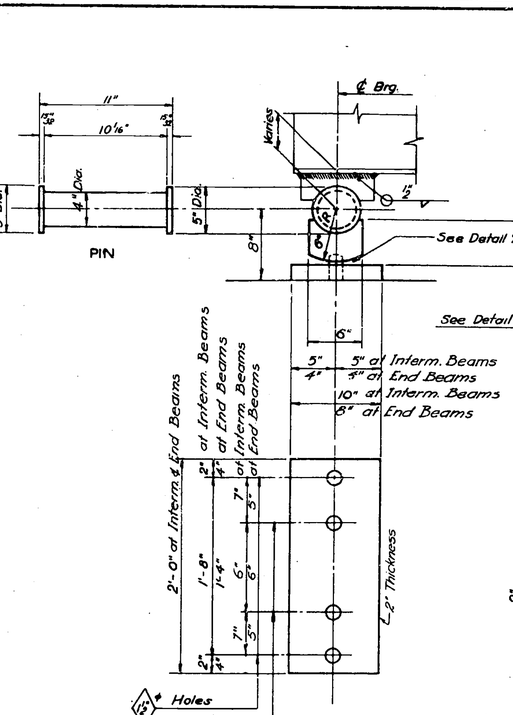
In Charge of: R. Harris
Made by: I. Konikiewicz
Checked by: Romo-Leroux
Traced by: O. Wisprew
Tracing Chk by: J. Davison

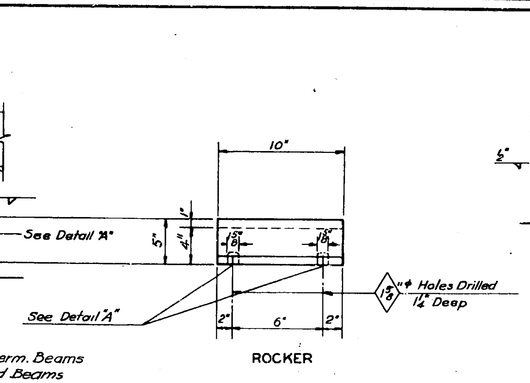
G10

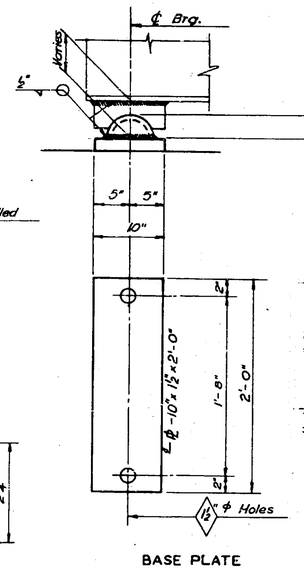
M.T. 53-3 S.T 53-7

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			39	157
N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



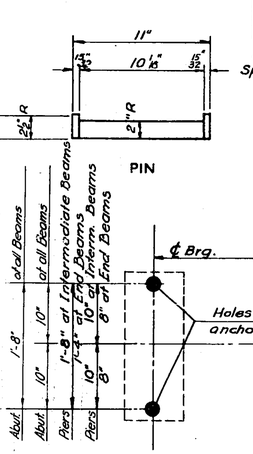






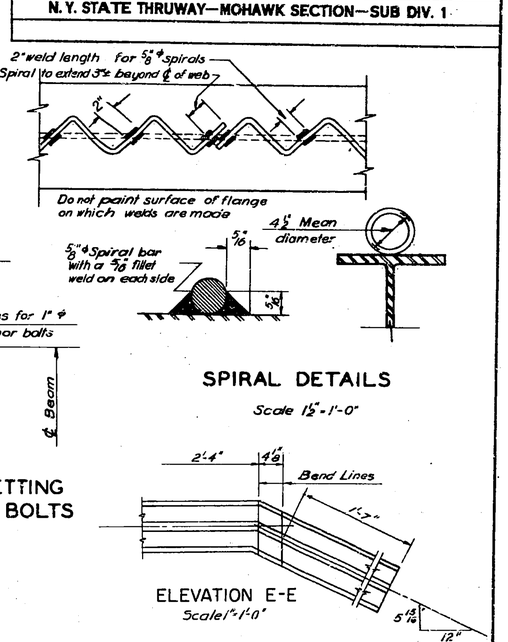
FIXED BEARING DETAILS AT ABUTMENT

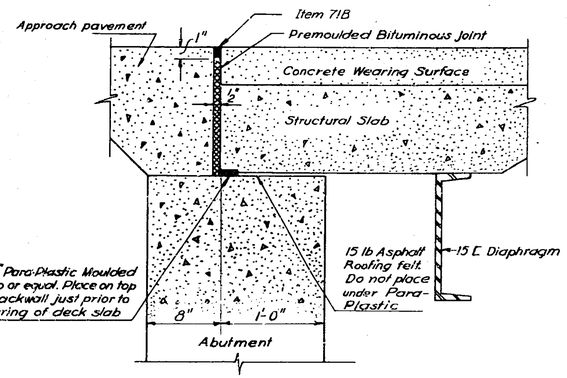
Scale 1½"-1'-0"



TEMPLATE FOR SETTING BEARING ANCHOR BOLTS

Scale 1" = 1'-0"



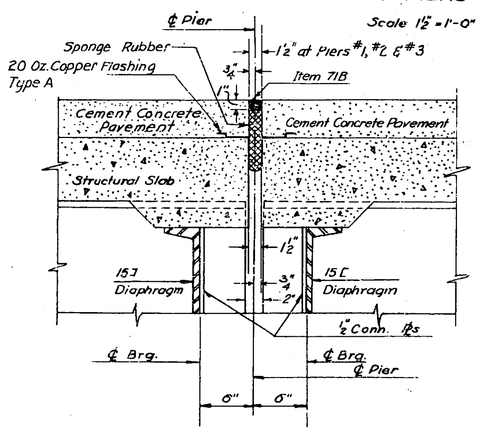


DETAIL OF JOINT AT ABUTMENT

Scale: 1½"=1'-0"

FIXED BEARING DETAILS AT PIERS

Scale 1½"-1'-0"



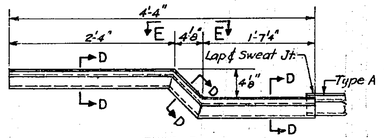
DETAIL OF JOINT OVER PIERS

EXPANSION BEARING DETAILS AT PIERS

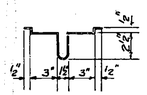
Scale 1½"-1'-0"

DETAILS OF JOINTS

Scale: 1½"=1'-0"

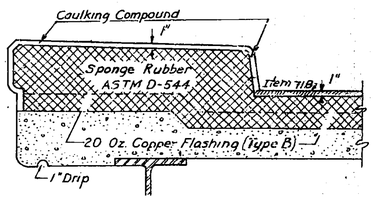


TYPE B



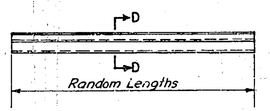
SECTION "D-D"

Scale: 1½"=1'-0"



SECTION THRU SAFETY WALK AT JOINT

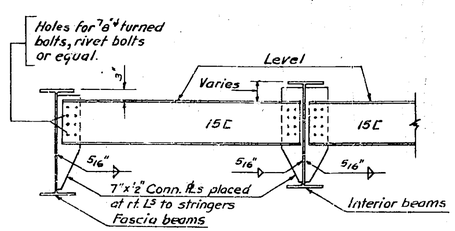
Scale: 1"=1'-0"



TYPE A

DETAILS OF 20 OZ. COPPER FLASHING FOR JOINTS

Scale: 1" = 1'-0"



DIAPHRAGM CONNECTIONS

Scale ½"-1'-0"

REFERENCE DRAWINGS:

Abutments, Plans & Elevations	G4
Piers, Elevations, Sections & Details	G6
Bridge Slab, Plan, Section & Details	G8
Beams & Diaphragms, Plans & Details	G9
Standard Bridge Details	G12

NOTES:

Payment for Item 71B is included in Item 47B "Cement Concrete Pavement."
Structural Steel for Bearings & Misc. steel shall be Item 29.

MOHAWK THRUWAY
UNDER DUNNSVILLE ROAD
CO. RD. #9R
STA. 6137+70
SCHENECTADY CO.

STANDARD BRIDGE DETAILS

SCALE — AS SHOWN

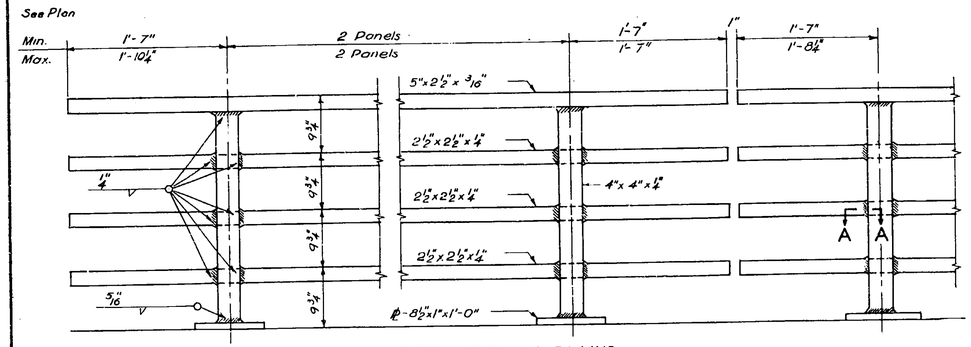
Prepared and Recommended:
E. H. HARLOW, VICE PRES. N.Y. STATE P. E. LIC. NO. 20747 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: C. Grant
Checked by: Roma-Leroux
Traced by: C. Grant
Tracing Chk by: M. Uriko

DWG. NO. 481-3-10E-1411

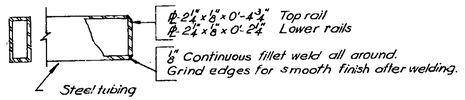
M.T. 53-3 S.T 53-7

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			40	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



TYPICAL TUBULAR RAILING

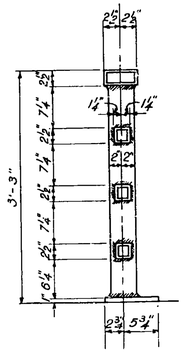
Scale 1" = 1'-0"



Construction Procedure

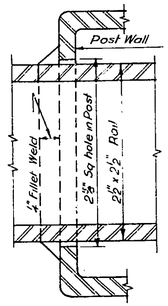
1- Set railing anchor bolts by means of template and pour concrete slab.
2- Place lower nuts on upper end of anchor bolts.
3- Place railing base plates on lower nuts and turn up nuts to bring railing to line ℄ grade.
4- Place upper nuts on anchor bolts, tighten down on plates.
5- Pour sidewalk to proper line and grade.

Notes
Double panel as shown.
Single panel similar except for panel length).
All railings are to be fabricated and erected so that rails are parallel to each other and to the top of fascia and posts are truly vertical.
Dimensions for tubing are outside dimensions.
Shop or field welding may be used in fabrication and erection of the railing.
All welds on railing shall be ground smooth.



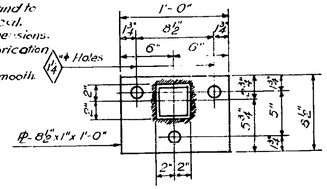
SECTION THRU RAILING

Scale 1" = 1'-0"



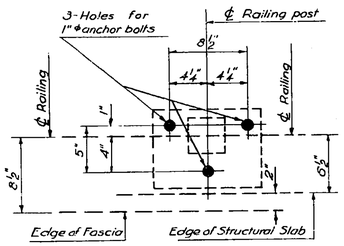
SECTION A-A

Scale - Full Size



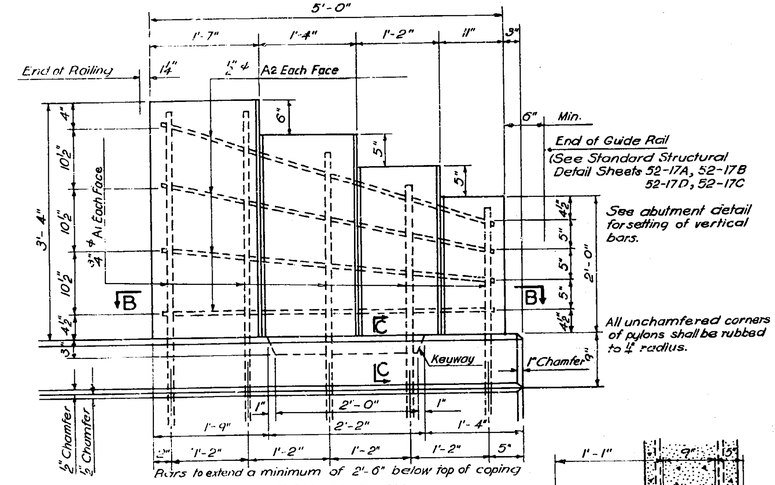
RAILING POST BASE PLATE

Scale 1½" = 1'-0"

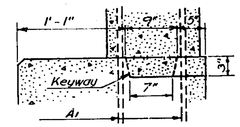


TEMPLATE FOR SETTING RAILING POST ANCHOR BOLTS

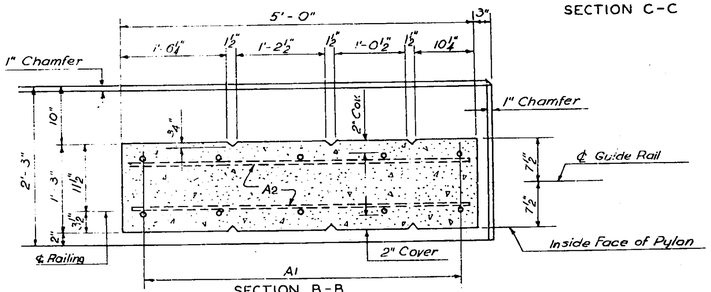
Scale 1½" = 1'-0"



ELEVATION OF PYLON



SECTION C-C



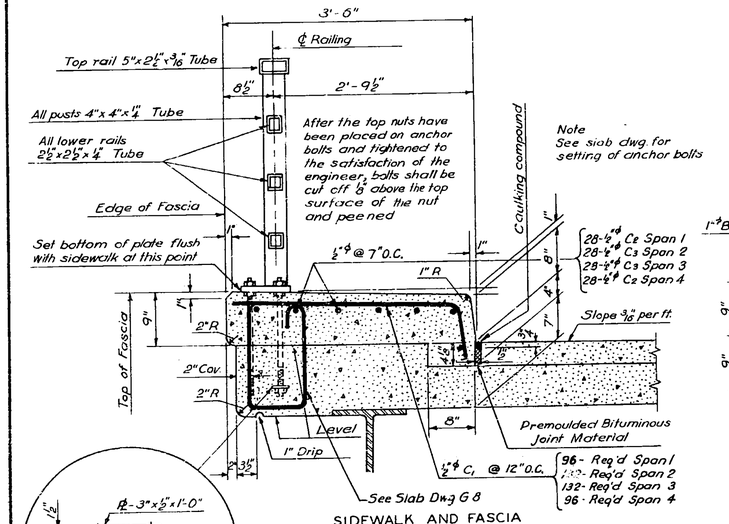
SECTION B-B

PYLON DETAILS

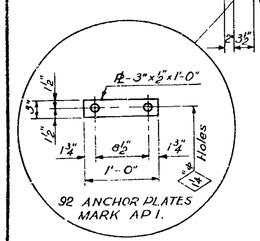
Scale 1" = 1'-0"

NOTES

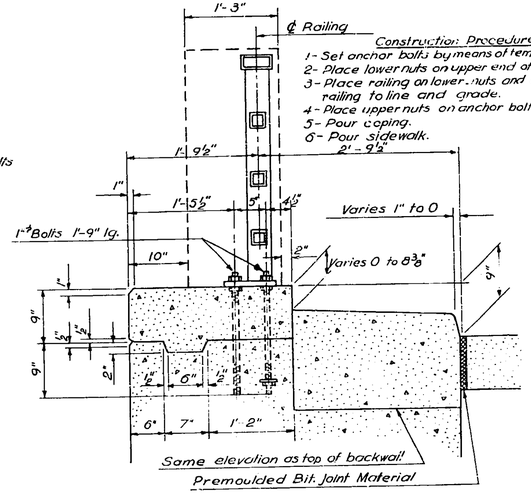
Concrete for Sidewalk, Coping & Ramp shall be Item 18.
Concrete for Pylons shall be Item 19.
Bar Reinforcement shall be Item 28.
Metal Railing shall be Item 37.
Payment for Item 71B is included in Item 47B - "Cement Concrete Pavement."
Pylons shall be erected vertically & top surface of pylons shall be placed parallel to grade.



SIDEWALK AND FASCIA



92 ANCHOR PLATES MARK AP1.



SECTION THRU SUBSTRUCTURE

SIDEWALK AND FASCIA DETAILS

Scale 1" = 1'-0"

Construction Procedure
1- Set anchor bolts by means of template and pour wall.
2- Place lower nuts on upper end of anchor bolts.
3- Place railing on lower nuts and adjust to bring railing to line and grade.
4- Place upper nuts on anchor bolts and tighten down on plates.
5- Pour coping.
6- Pour sidewalk.

REFERENCE DRAWINGS

Abutments, Plan & Elev.	G 4
Abutments, Sect. & Details	G 5
Bridge slab, Plan, Sect. & Details	G 8
Railing & Pylon Location	G10
Standard Bridge Details	G11
Bar Schedule	G13

MOHAWK THRUWAY
UNDER DUNNSVILLE ROAD
CO. RD. #9R
STA. 6137+70
SCHENECTADY CO.

STANDARD BRIDGE DETAILS

SCALE - AS SHOWN

Prepared and Recommended:
E.H. Harlow
E.H. HARLOW VICE PRES. N.Y. STATE P.E. LIC. NO. E 0747
DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: A. Francken
Checked by: R. Leroux
Traced by: A. Francken
Tracing Chk by: M. Uriko

DWG. NO. 481-3-10E-1412

G12

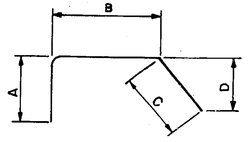
M.T. 53-3 S.T 53-7

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			41	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				

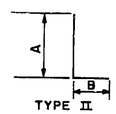
LOCATION OF BARS	MARK	SIZE	NO. REQ'D.	LENGTH	TYPE	A	B	C	D	E	F	R	REMARKS
PIERS	P1	⅞"ϕ	144	14'-7"	Str.								
	P2	¼"ϕ	108	9'-0"	III	3¾"	8'-6"					1'-4"	
	P3	1"ϕ	6	33'-10"	Str.								
	P4	1"ϕ	12	33'-0"	Str.								
	P5	1"ϕ	6	31'-6"	Str.								
	P6	1"ϕ	4	13'-11"	IV	3'-11"	8"	9'-4"				4"	
	P7	1"ϕ	4	34'-10"	IV	3'-11"	8"	30'-4"				4"	
	P8	1"ϕ	8	13'-7"	IV	3'-11"	8"	9'-0"				4"	
	P9	1"□	2	14'-1"	IV	3'-11"	8"	9'-4"				4"	
	P10	1"□	2	34'-10"	IV	3'-11"	8"	30'-4"				4"	
	P11	1"□	4	13'-7"	IV	3'-11"	8"	9'-0"				4"	
	P12	⅝"ϕ	84	10'-8"	V	5"	3'-0"	1'-10"					
	P13	⅝"ϕ	24	8'-1"	VI	2'-0"						1'-3"	
	P14	⅝"ϕ	12	33'-0"	Str.								
	P15	1"ϕ	12	21'-0"	Str.								
	P16	1"□	6	21'-0"	Str.								
FOOTINGS	F1	¾"ϕ	84	34'-8"	Str.								
	F2	¾"ϕ	90	5'-6"	Str.								
	F3	⅜"ϕ	42	7'-3"	Str.								
	F4	⅝"ϕ	82	10'-3"	Str.								
	F5	¾"ϕ	120	5'-2"	Str.								
	F6	¾"ϕ	24	8'-1"	Str.								
	F7	¾"ϕ	24	13'-0"	Str.								
	F8	¾"ϕ	24	11'-9"	Str.								
	F9	¾"ϕ	4	8'-0"	I	2'-6"	2'-6"	3'-0"	1'-4"				
	F10	⅝"ϕ	32	10'-3"	Str.								
	F11	⅝"ϕ	32	13'-10"	II	12'-1"	1'-9"						
	F12	⅝"ϕ	24	12'-1"	Str.								
	F13	¾"ϕ	252	43'-8"	VII	6"	43'-0"	6"					
	F14	¾"ϕ	132	33'-8"	VII	6"	33'-0"	6"					
	F15	¾"ϕ	156	48'-8"	VII	6"	48'-0"	6"					
	F16	4"ϕ	3742	2'-2"	III	3"	1'-8"						
	D1	⅞"ϕ	144	5'-8"	Str.								Pier Column Dowels
	D2	¾"ϕ	24	9'-6"	Str.								Abutment Footing Dowels
	D3	¾"ϕ	24	7'-6"	Str.								Abutment Footing Dowels
	D4	⅝"ϕ	40	4'-3"	Str.								Sections F-F & G-G
ABUTMENTS	A1	¾"ϕ	40	6'-4"	Str.								
	A2	½"ϕ	32	4'-8"	Str.								
	A3	⅜"ϕ	8	32'-0"	Str.								
	A4	⅜"ϕ	6	34'-9"	VIII	34'-0"	9"	4"					
	A5	⅜"ϕ	14	34'-0"	VIII	30'-6"	3'-6"	1'-6"					
	A6	⅜"ϕ	6	6'-4"	II	5'-0"	1'-4"						
	A7	⅜"ϕ	14	9'-0"	II	5'-8"	3'-4"						
	A8	½"ϕ	36	9'-9"	IX	5"	3'-10"	2'-5"	2'-6"				
	A9	½"ϕ	12	9'-8"	IX	5"	2'-8"	3'-4"	2'-8"				
	A10	½"ϕ	12	12'-6"	IX	5"	4'-0"	3'-5"	4'-0"				
	A11	½"ϕ	16	13'-6"	Str.								
	A12	⅜"ϕ	32	5'-10"	II	4'-0"	1'-10"						
	A13	⅜"ϕ	8	13'-7"	Str.								
	A14	½"ϕ	56	3'-0"	II	2'-0"	1'-0"						
	A15	⅜"ϕ	14	16'-0"	Str.								
	A16	⅜"ϕ	10	5'-0"	Str.								
	A17	⅝"ϕ	20	4'-10"	VII	5"	4'-3"						
	A18	⅜"ϕ	30	4'-2"	Str.								
	A19	⅜"ϕ	14	19'-5"	Str.								

LOCATION OF BARS	MARK	SIZE	NO. REQ'D.	LENGTH	TYPE	A	B	C	D	E	F	R	REMARKS
SIDEWALK	C1	½"ϕ	456	3'-10"	VIII	3'-1"	10"	1"					
	C2	½"ϕ	56	24'-6"	Str.								
	C3	½"ϕ	56	33'-4"	Str.								
SLAB	S1	½"ϕ	256	24'-3"	Str.								
	S2	½"ϕ	128	39'-0"	Str.								
	S3	½"ϕ	128	27'-8"	Str.								
	S4	⅝"ϕ	548	37'-5"	VII	5"	36'-3"		5"				
	S5	⅝"ϕ	548	36'-3"	Str.								
	S6	½"ϕ	456	4'-8"	X	1'-1"	1'-5½"	5"	4"	1'-5½"	5"		
	S7	½"ϕ	4	8'-6"	II	5'-6"	3'-0"						
	S8	½"ϕ	12	6'-0"	II	3'-9"	2'-3"						
	S9	⅝"ϕ	2	34'-2"	VII	5"	33'-0"		5"				
	S10	⅝"ϕ	2	33'-0"	Str.								
	S11	⅝"ϕ	8	35'-5"	VII	5"	34'-3"		5"				
	S12	⅝"ϕ	8	34'-3"	Str.								
	S13	⅝"ϕ	8	36'-5"	VII	5"	35'-3"		5"				
	S14	⅝"ϕ	8	35'-3"	Str.								
	S15	⅝"ϕ	2	36'-11"	VII	5"	35'-9"		5"				
	S16	⅝"ϕ	2	35'-9"	Str.								

TYPE I



TYPE II



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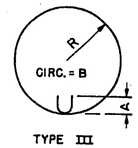

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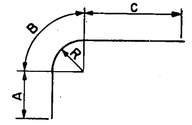

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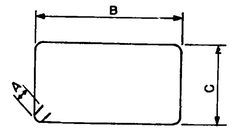

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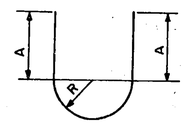

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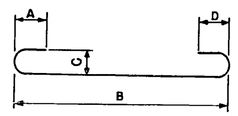

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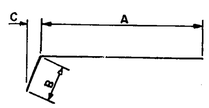

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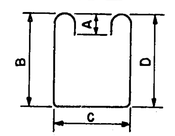
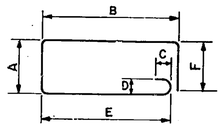
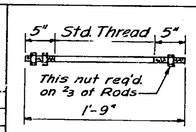


TYPE X

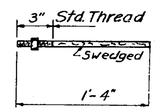


ANCHOR BOLT SCHEDULE - Item 29.

MARK	SIZE	NO. REQ'D.	LENGTH	NUTS SHAPE	NUTS NO. REQ'D.	LOCATION
AB1	1"ϕ	276	1'-9"	Hex.	736	Railings
AB2	1"ϕ	80	1'-4"	Hex.	80	Bearings



MARK AB1



MARK AB2

MOHAWK THRUWAY
UNDER DUNNSVILLE ROAD
CO. RD. #9R
STA. 6137+70
SCHENECTADY CO.

BAR SCHEDULE

NOTES

Prepared and Recommended:
E.H. Harlow
E.H.HARLOW, VICE PRES. N.Y. STATE P.E. LIC. NO. 20747
DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: A. Lewicky
Checked by: F. Rothermel
Traced by: J. Lee
Tracing Chk by: A. Torun

DWG. NO. 481-3-1413

G13

M.T. 53-3 S.T. 53-7

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			41	157

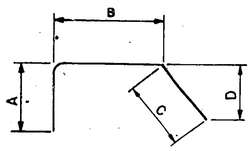
N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1

4R

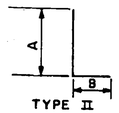
LOCATION OF BARS	MARK	SIZE	NO. REQ'D.	LENGTH	TYPE	A	B	C	D	E	F	R	REMARKS
PIERS	P1	⅜"ϕ	144	14'-7"	Str.								
	P2	¼"ϕ	108	9'-0"	III	3¾"	8'-6"					1'-4"	
	P3	1"ϕ	6	33'-10"	Str.								
	P4	1"ϕ	12	33'-0"	Str.								
	P5	1"ϕ	6	31'-6"	Str.								
	P6	1"ϕ	4	13'-11"	IV	3'-11"	8"	9'-4"				4"	
	P7	1"ϕ	4	34'-10"	IV	3'-11"	8"	30'-4"				4"	
	P8	1"ϕ	8	13'-7"	IV	3'-11"	8"	9'-0"				4"	
	P9	1"□	2	14'-1"	IV	3'-11"	8"	9'-4"				4"	
	P10	1"□	2	34'-10"	IV	3'-11"	8"	30'-4"				4"	
	P11	1"□	4	13'-7"	IV	3'-11"	8"	9'-0"				4"	
	P12	⅝"ϕ	84	10'-8⅝"	V	5"	3'-0"	1'-10"				1'-3"	
	P13	⅝"ϕ	24	7'-11⅝"	VI	2'-0"							
	P14	⅝"ϕ	12	33'-0"	Str.								
	P15	1"ϕ	12	21'-0"	Str.								
	P16	1"□	6	21'-0"	Str.								
FOOTINGS	F1	¾"ϕ	84	34'-8"	Str.								
	F2	¾"ϕ	90	5'-6"	Str.								
	F3	⅝"ϕ	42	7'-3"	Str.								
	F4	⅝"ϕ	82	10'-3"	Str.								
	F5	¾"ϕ	120	5'-2"	Str.								
	F6	¾"ϕ	24	8'-1"	Str.								
	F7	¾"ϕ	24	13'-10"	Str.								
	F8	¾"ϕ	24	11'-9"	Str.								
	F9	¾"ϕ	4	8'-0"	I	2'-6"	2'-6"	3'-0"	1'-4"				
	F10	⅝"ϕ	32	10'-3"	Str.								
	F11	⅝"ϕ	32	13'-10"	II	12'-1"	1'-9"						
	F12	⅝"ϕ	24	12'-1"	Str.								
	F13	¾"ϕ	252	43'-8"	VII	6"	43'-0"	6"					
	F14	¾"ϕ	132	33'-8"	VII	6"	33'-0"	6"					
	F15	¾"ϕ	156	48'-6"	VII	6"	48'-0"	6"					
	F16	¼"ϕ	3742	2'-2½"	III	3"	1'-8"						
	D1	⅝"ϕ	144	5'-8"	Str.								Pier Column Dowels
	D2	¾"ϕ	24	9'-6"	Str.								Abutment Footing Dowels
	D3	¾"ϕ	24	7'-6"	Str.								Abutment Footing Dowels
	D4	⅜"ϕ	40	4'-3"	Str.								Sections F-F & G-G
ABUTMENTS	A1	¼"ϕ	40	6'-4"	Str.								
	A2	½"ϕ	32	4'-8"	Str.								
	A3	⅜"ϕ	8	32'-0"	Str.								
	A4	⅜"ϕ	6	34'-9"	VIII	34'-0"	9"	4"					
	A5	⅜"ϕ	14	34'-0"	VIII	30'-6"	3'-6"	1'-6"					
	A6	⅜"ϕ	6	6'-4"	II	5'-0"	1'-4"						
	A7	⅝"ϕ	14	9'-0"	II	5'-5"	3'-4"						
	A8	⅝"ϕ	36	9'-9"	IX	5"	3'-10"	2'-5"	2'-6"				
	A9	½"ϕ	12	9'-8"	IX	5"	2'-8"	3'-4"	2'-8"				
	A10	½"ϕ	12	12'-6"	IX	5"	4'-0"	3'-5"	4'-0"				
	A11	½"ϕ	16	13'-6"	Str.								
	A12	⅜"ϕ	32	5'-10"	II	4'-0"	1'-10"						
	A13	⅝"ϕ	8	13'-7"	Str.								
	A14	½"ϕ	56	3'-0"	II	2'-0"	1'-0"						
	A15	⅜"ϕ	14	16'-0"	Str.								
	A16	⅜"ϕ	10	5'-0"	Str.								
	A17	⅜"ϕ	20	4'-10"	VII	5"	4'-3"						
	A18	⅜"ϕ	30	4'-2"	Str.								
	A19	⅜"ϕ	14	19'-5"	Str.								

LOCATION OF BARS	MARK	SIZE	NO. REQ'D.	LENGTH	TYPE	A	B	C	D	E	F	R	REMARKS
SIDEWALK	C1	½"ϕ	456	3'-10"	VIII	3'-1"	10"	1"					
	C2	½"ϕ	56	24'-6"	Str.								
	C3	½"ϕ	56	33'-4"	Str.								
SLAB	S1	½"ϕ	256	24'-3"	Str.								
	S2	½"ϕ	128	39'-0"	Str.								
	S3	½"ϕ	128	27'-8"	Str.								
	S4	⅝"ϕ	548	37'-5"	VII	5"	36'-3"		5"				
	S5	⅝"ϕ	548	36'-3"	Str.								
	S6	½"ϕ	456	4'-8"	X	1'-1"	1'-5½"	5"	4"	1'-5½"	5"		
	S7	½"ϕ	4	8'-6"	II	5'-6"	3'-0"						
	S8	½"ϕ	12	6'-0"	II	3'-9"	2'-3"						
	S9	⅝"ϕ	2	34'-2"	VII	5"	33'-0"		5"				
	S10	⅝"ϕ	2	33'-0"	Str.								
	S11	⅝"ϕ	8	35'-5"	VII	5"	34'-3"		5"				
	S12	⅝"ϕ	8	34'-3"	Str.								
	S13	⅝"ϕ	8	36'-5"	VII	5"	35'-3"		5"				
	S14	⅝"ϕ	8	35'-3"	Str.								
	S15	⅝"ϕ	2	36'-11"	VII	5"	35'-9"		5"				
	S16	⅝"ϕ	2	35'-9"	Str.								

NOTES



TYPE I



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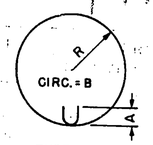

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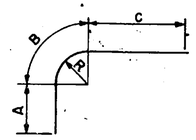

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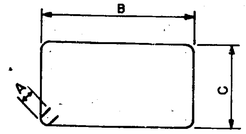

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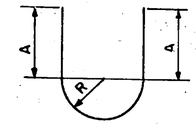

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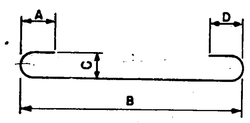

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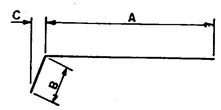

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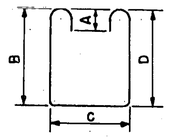

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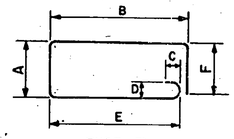
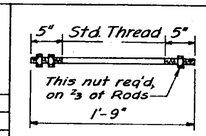


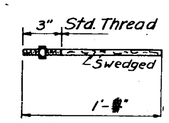
TYPE X

ANCHOR BOLT SCHEDULE - *Item 29.*

MARK	SIZE	NO. REQ'D.	LENGTH	NUTS SHAPE	NUTS NO. REQ'D.	LOCATION
AB1	1"ϕ	276	1'-9"	Hex.	736	Railings
AB2	1"ϕ	80	1'-4"	Hex.	80	Bearings



MARK AB1



MARK AB2

MOHAWK THRUWAY
UNDER DUNNSVILLE ROAD
CO. RD. #9R
STA. 637+70
SCHENECTADY CO.
BAR SCHEDULE

Prepared and Recommended:
E. H. HARLOW, VICE PRES. N. Y. STATE P. E. LIC. NO. 20747
DATE 1'=1"
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N. Y.

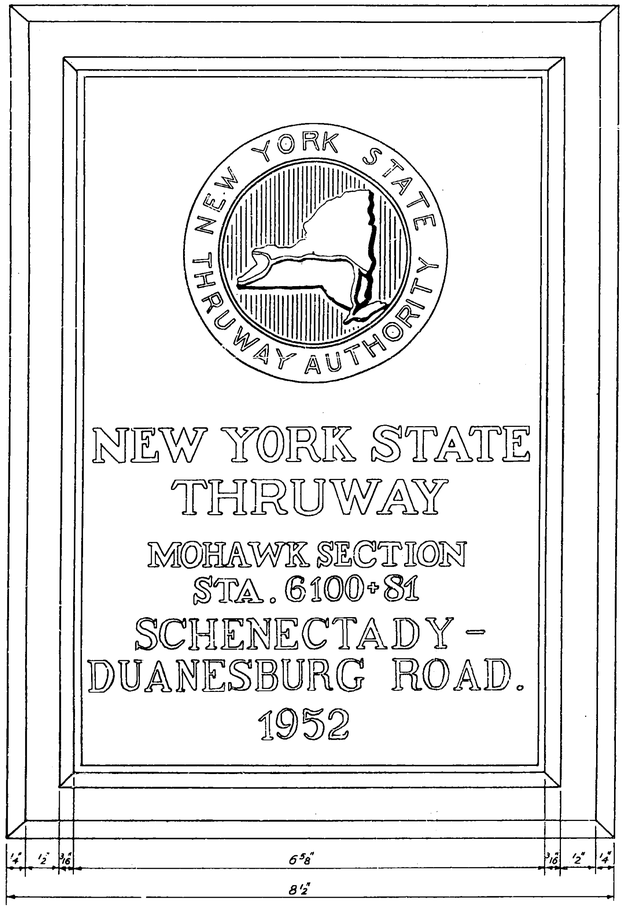
In Charge of: R. Harris
Made by: A. Lewicky
Checked by: F. Rothermel
Traced by: J. Lee
Tracing Chk by: A. Torun

DWG. NO. 481-3-1413

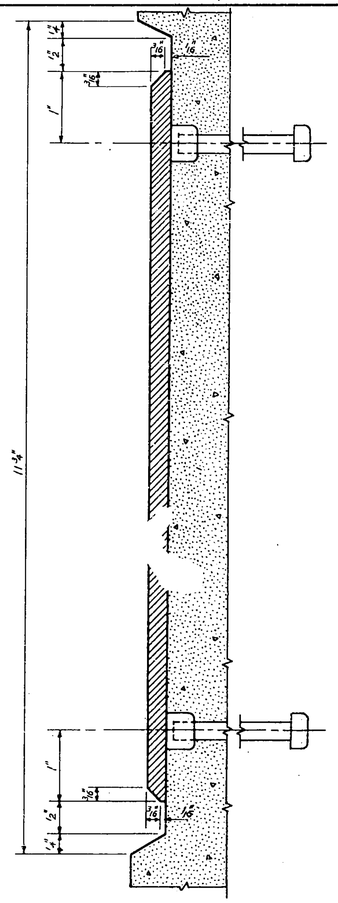
G 13

M.T. 53-3 R.C. 53-19

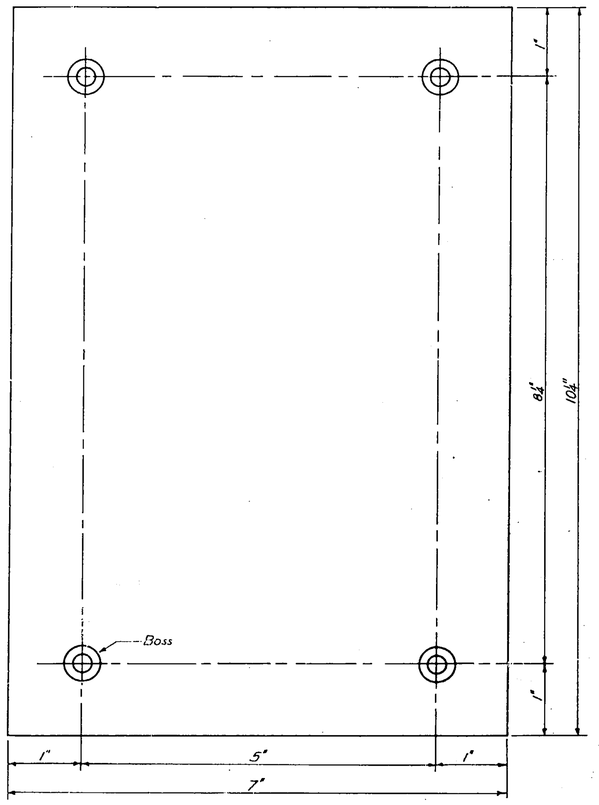
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			42	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



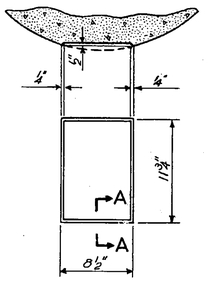
FRONT ELEVATION

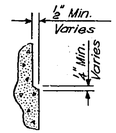


VERTICAL SECTION



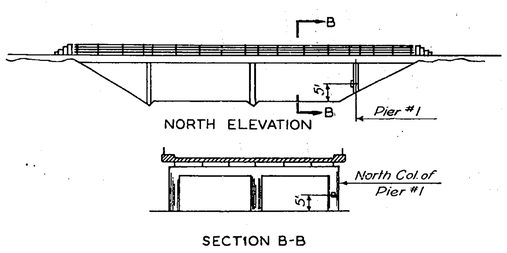
TEMPLATE





SECTION A-A

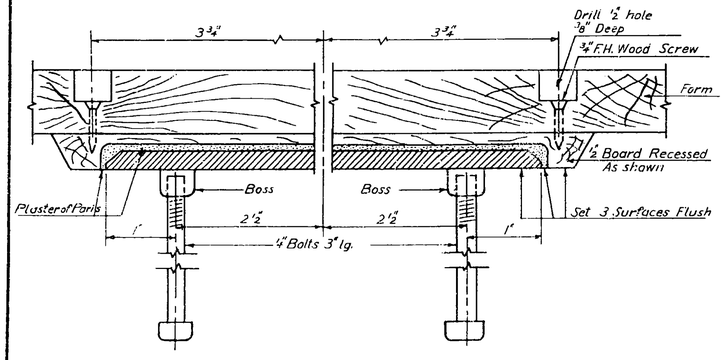
DETAIL OF NAME PLATE RECESS IN CURVED SURFACE



SECTION B-B

LOCATION OF IDENTIFICATION PLATE

Scale - None



HORIZONTAL SECTION

IDENTIFICATION PLATE

Scale - Full Size

NOTE

Cut and bevel a 1/2" x 8 1/2" board to dimensions shown and gouge to form a recess about 5/8 deep and 1/8 larger than bronze plate. Fill recess in board with plaster of paris and set plate so that back of plate, surface of plaster and face of board form a smooth flush surface. Fasten to inside of form with wood screws. When concrete is being placed, very careful spading must be continued back of plate so that the surface of the panel will be free from bubble holes, pockets or exposed coarse aggregate. When removing forms, do not attempt to pull away the 1/2 board, but cut away both board and plaster after form has been removed.

REFERENCE DRAWINGS

General Plan, Elevation & Notes_____ H2

MOHAWK THRUWAY
UNDER SCHENECTADY-DUANESBURG
P.T.I, S.H. 880 ON ROUTE 7
STA. 6100+81
SCHENECTADY COUNTY

IDENTIFICATION PLATE

SCALE - FULL SIZE

DWG. NO. 481-3-10E-1701

Prepared and Recommended:
E.H. HARLOW, VICE PRES. N.Y. STATE P.E. LIC. NO. 20747 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

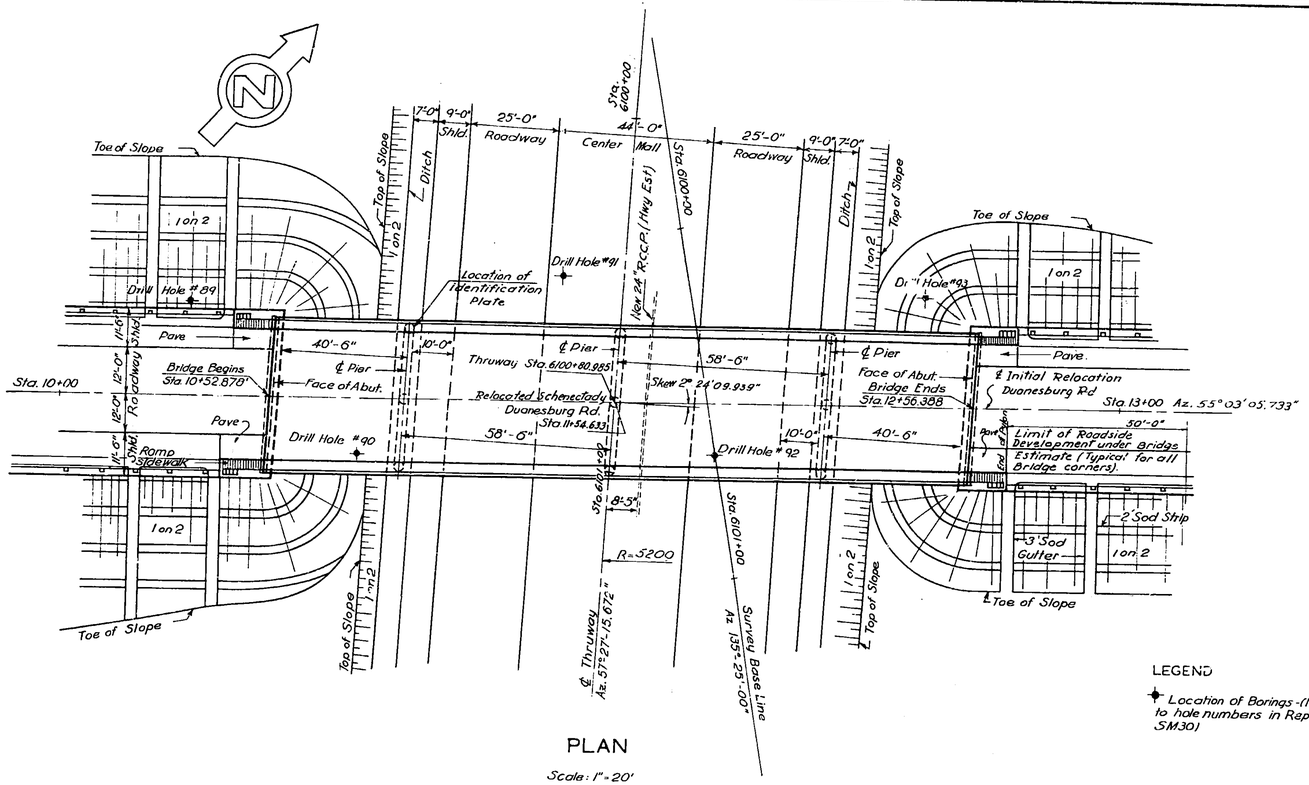
In Charge of: R. Harris
Made by: P. Piasecky
Checked by: J. Talarico
Traced by: P. Piasecky
Tracing Chk by: W. Lush

H1

M.T. 88-3 R.O. 12-19

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			43	157

N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1

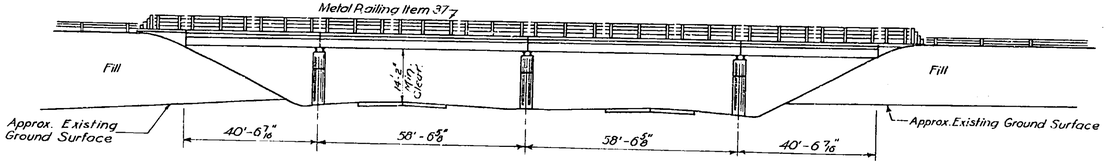


PLAN

Scale: 1" = 20'

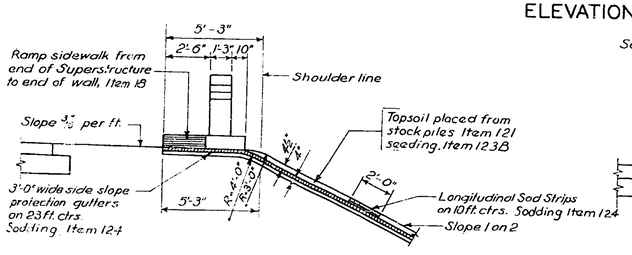
LEGEND

✦ Location of Borings - (Numbers refer to hole numbers in Report of Contract SM301)



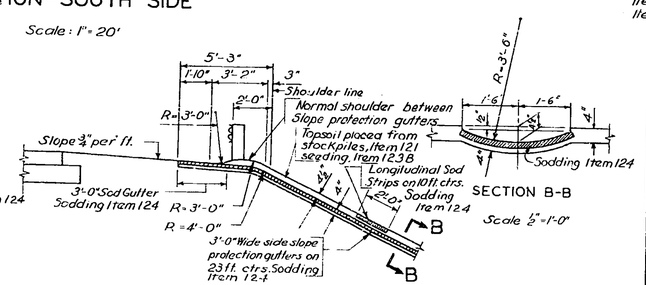
ELEVATION—SOUTH SIDE

Scale: 1" = 20'



TYPICAL SECTION THRU GUTTER AT END OF WALL

Scale 1/2" = 1'-0"



TYPICAL SECTION SLOPE PROTECTION GUTTER

Scale 1/2" = 1'-0"

ROADSIDE DEVELOPMENT

Item 121 Topsoil placed from Stockpiles
Item 123 B Seeding on prepared areas
Item 124 Sodding

ESTIMATE OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	COMBINED NEAT	COMBINED ROUND	SUPERSTRUCTURE NEAT	SUPERSTRUCTURE ROUND	SUBSTRUCTURE NEAT	SUBSTRUCTURE ROUND
5	Trench, Culvert & Bridge Excavation	C.Y.	350	385			350	385
15-2	Portland Cement Type 2	Bbl.	1120	1155	369	380	751	775
15N	Natural Cement Type N	Bbl.	180	190	72	75	108	115
18	Class IA Concrete for Structures	C.Y.	672	700	263	275	409	425
19	Class IA Concrete for Railings	C.Y.	3	4			3	4
* 25F	Steel Fabric Reinforcement	S.Y.	861	890	861	890		
28	Bar Reinforcement for Structures	Lbs	133794	137,900	56981	58,700	76813	79200
28B	Spirol bar shear Connectors	Lbs	2824	2910	2824	2910		
29	Structural Steel	Lbs	251,601	259,300	251661	259,300		
37	Metal Railing	LF	436	450	436	450		
47B	Cement Concrete Pavement	C.Y.	90	95	90	95		
79	Dry Stone Paving	S.Y.	505	520			505	520
85C	Cast in place Concrete Piles	LF	4312	4450			4312	4450
87	Furnishing Equipment for Driving Piles	Nec.	Nec.				Nec.	Nec.
121	Topsoil placed from Stockpiles	C.Y.	185	205			185	205
123B	Seeding on Prepared Areas	Acres	0.273	0.30			0.273	0.30
124	Sodding	S.Y.	413	460			413	460
62	Membrane waterproofing	S.Y.	86	90			86	90
63	Protection Course for Membrane Waterproofing	S.Y.	86	90			86	90
15-2A	Portland Cement Type 2A	Bbl.	134	140	134	140		

* Steel Fabric Reinforcement shall be furnished in flat sheets.

LIST OF DRAWINGS

TITLE	SHEET NO.
Identification Plate	H1
General Plan, Elevation & Notes	H2
Profiles & Sections	H3
Foundations - Plans & Sections	H4
Abutments - Plan, Sections & Details	H5
Piers - Elevation, Sections & Details	H6
Beams & Diaphragms - Plan, Sections & Details	H7
Bridge Slab - Plan, Sections & Details	H8
Railing & Pylon Location	H9
Standard Bridge Details	H10
Standard Bridge Details	H11
Bar Schedule	H12

GENERAL NOTES

All anchor bolts shall be accurately set and securely held in position in the forms while concrete is being placed.

All concrete, except in pavement & pylons shall be Item 18.

Concrete in pavement shall be Item 47B "Cement Concrete Pavement" (Natural Cement Type N Item 15-N and Portland Cement Type 2 A Item 15-2A

Concrete in pylons shall be Item 19 "Class IA Concrete for Railings".

The cost of furnishing and installing caulking compound, premoulded bituminous joint material, sponge rubber joint material & copper flashing shall be included in the prices bid for the various items in this contract.

After the concrete is cured, the contractor shall apply a waterproofing oil treatment, as described in the specifications for M-41 W, to all exposed surfaces, except on the underside of slabs. Two coats of waterproofing oil treatment shall be applied to the top of the slab; the second coat shall be applied two days prior to the placing of the pavement or sidewalk (Prices to be included in the Unit Price for Concrete Slabs)

Material & fabrication: Specifications of New York State Department of Public Works dated Jan. 2. 1951 & current modifications & additions.

Design Specifications: AASHO 1949.

Loading: H20-S16-44,

The contractors attention is directed to the special notes for this structure which appear in the Proposal. Particular attention is directed to the special notes, which briefly outline the anticipated sub-surface conditions at the site of the structures & which specify certain requirements relative to the construction. No construction joints other than those shown on the plans shall be permitted without the written permission of the Deputy Chief Engineer (Bridges).

Where caulking compound is to be used, the sides of the joints shall be primed with a material satisfactory to the manufacturer of the caulking compound, 20 to 30 minutes before the compound is placed. All joints must be thoroughly clean & dry before the priming coat is applied. Work must be performed by experienced men in this type of work.

Field connections may be made with turned bolts or approved equal.

Immediately before placing pavement concrete, the concrete surface upon which it is to be placed shall be thoroughly wetted down continuously for one hour, if the air temperature is above 50°F.

Sponge rubber shall meet the requirements of the standard specifications for Preformed Expansion Joint Fillers for concrete, A.S.T.M. Designation D. 544.

Where steel exceeding one inch in thickness is to be welded, electrodes of classification number E 6015 or E 6016 shall be used.

For design purposes, the assumed load per pile does not exceed 30 Tons.

Two ply Membrane Waterproofing shall be applied at all Joints as shown on details and shall not be exposed without protection longer than 24 hours. Membrane Waterproofing at abutments & wingwalls shall be protected against damage during backfilling.

All concrete pours shall be continuous between construction joints. Concrete surfaces of construction joints shall be thoroughly cleaned, brushed & wetted down before new concrete is placed.

Chamfer exposed edges 3/4" unless noted otherwise.

For Reinforcement notes see sheet H12.

MOHAWK THRUWAY
UNDER SCHENECTADY-DUANESBURG
P.T.I, S. H. 880 ON ROUTE 7
STA. 6100+81
SCHENECTADY COUNTY

GENERAL PLAN
ELEVATION & NOTES

SCALE - AS SHOWN

Prepared and Recommended:
E. H. Harlow
E.H. HARLOW, VICE PRES. N.Y. STATE P. E. LIC. NO. 20747
Jan 5 '59
DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

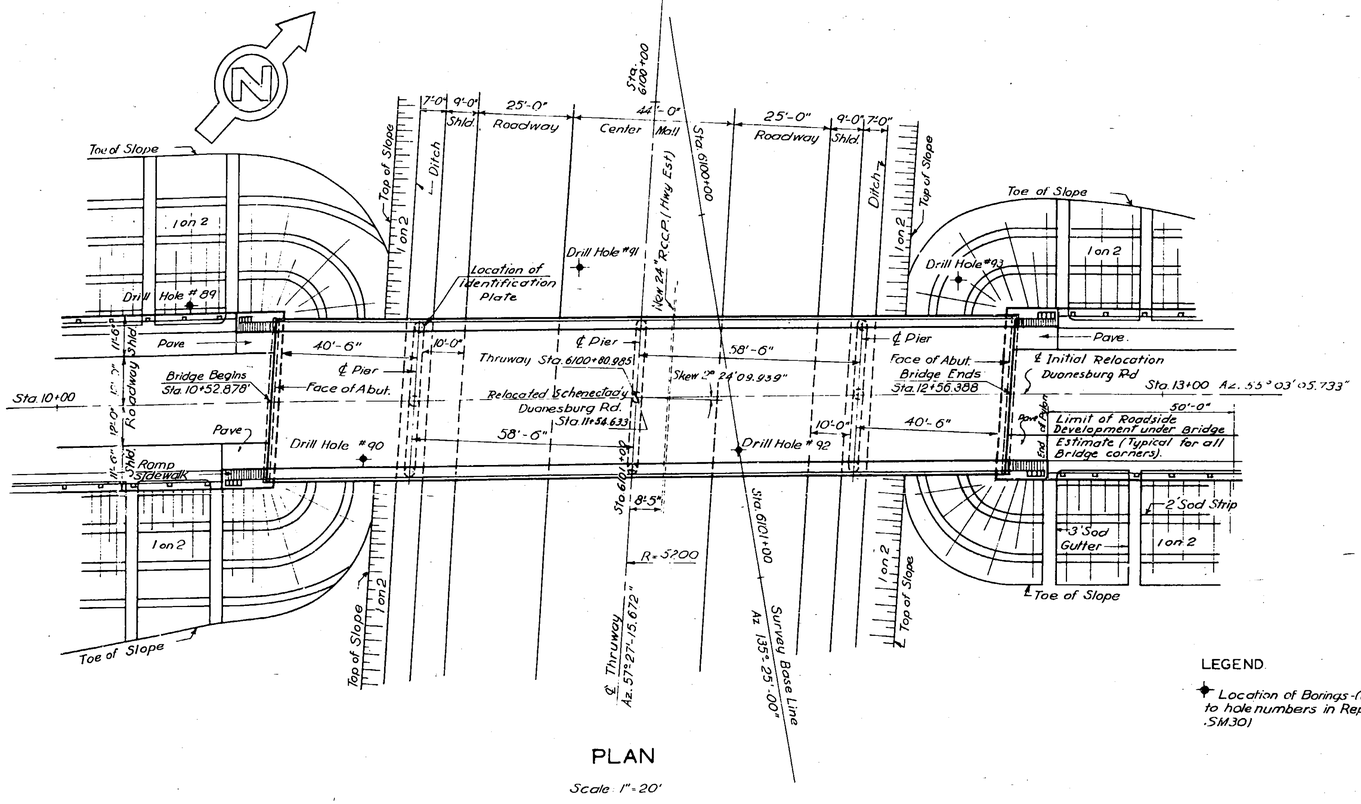
In Charge of: R. Harris
Made by: J. Ferenz
Checked by: J. Talerico
Traced by: D. Corbin
Tracing Chk by: W. Lush

DWG. NO. 481-3-10E-1702

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			43	157

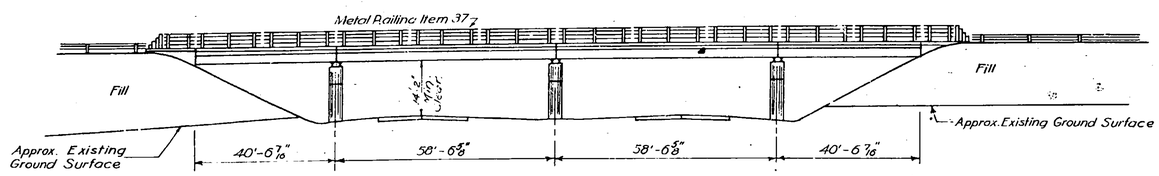
N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1

43R



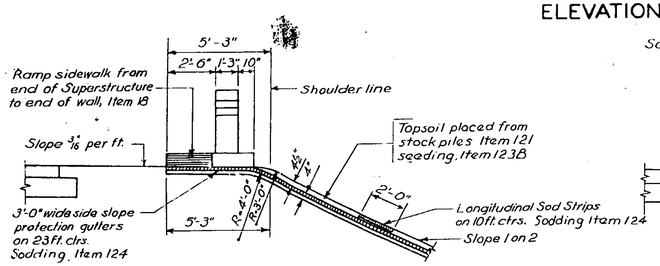
PLAN

Scale 1" = 20'



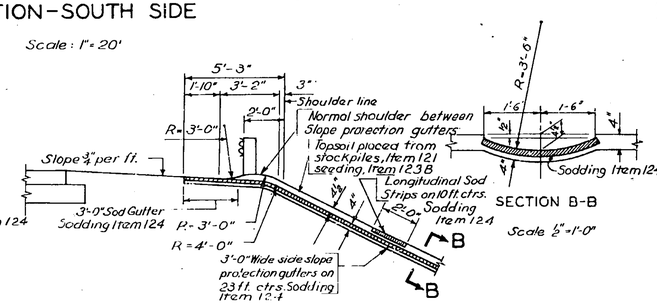
ELEVATION - SOUTH SIDE

Scale : 1" = 20'



TYPICAL SECTION THRU GUTTER AT END OF WALL

Scale 1/2" = 1'-0"



TYPICAL SECTION SLOPE PROTECTION GUTTER

Scale 1/4" = 1'-0"

LEGEND

✦ Location of Borings - (Numbers refer to hole numbers in Report of Contract SM301)

ESTIMATE OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	COMBINED		SUPERSTRUCTURE		SUBSTRUCTURE	
			NEAT	ROUND	NEAT	ROUND	NEAT	ROUND
5	Trench, Culvert & Bridge Excavation	C.Y.	350	385			350	385
15-2	Portland Cement Type 2	Bbl.	1120	1155	369	380	751	775
15N	Natural Cement Type N	Bbl.	180	190	72	75	108	115
18	Class 1A Concrete for Structures	C.Y.	672	700	263	275	409	425
19	Class 1A Concrete for Railings	C.Y.	3	4			3	4
*25F	Steel Fabric Reinforcement	S.Y.	861	890	861	890		
28	Bar Reinforcement for Structures	Lbs	133794	137,900	56981	58,700	76813	79200
28B	Spiral bar shear Connectors	Lbs	2824	2910	~~2824~~ 2910	2910		
29	Structural Steel	Lbs	251,661	259,300	~~251661~~ 259,300	259,300		
37	Metal Railing	LF	436	450	436	450		
47B	Cement Concrete Pavement	C.Y.	90	95	90	95		
79	Dry Stone Paving	S.Y.	505	520			505	520
85C	Cast in place Concrete Piles	LF	4312	4450			4312	4450
87	Furnishing Equipment for Driving Piles	Nec.	Nec.	Nec.			Nec.	Nec.
121	Topsoil placed from Stockpiles	C.Y.	185	205			185	205
123B	Seeding on Prepared Areas	Acres	0.273	0.30			0.273	0.30
124	Sodding	S.Y.	413	460			413	460
62	Membrane waterproofing	S.Y.	86	90			86	90
63	Protection Course for Membrane Waterproofing	S.Y.	86	90			86	90
15-2A	Portland Cement Type 2A	Bbl.	134	140	134	140		

* Steel Fabric Reinforcement shall be furnished in flat sheets.

ROADSIDE DEVELOPMENT

Item 121 Topsoil placed from Stockpiles
Item 123 B Seeding on prepared areas
Item 124 Sodding

LIST OF DRAWINGS

TITLE	SHEET NO.
Identification Plate	H1
General Plan, Elevation & Notes	H2
Profiles & Sections	H3
Foundations - Plans & Sections	H4
Abutments - Plan, Sections & Details	H5
Piers - Elevation, Sections & Details	H6
Beams & Diaphragms - Plan, Sections & Details	H7
Bridge Slab - Plan, Sections & Details	H8
Railing & Pylon Location	H9
Standard Bridge Details	H10
Standard Bridge Details	H11
Bar Schedule	H12

GENERAL NOTES

All anchor bolts shall be accurately set and securely held in position in the forms while concrete is being placed.

All concrete, except in pavement & pylons shall be Item 18.

Concrete in pavement shall be Item 47B "Cement Concrete Pavement" (Natural Cement Type N Item 15-N and Portland Cement Type 2 A Item 15-2A

Concrete in pylons shall be, Item 19 "Class 1A Concrete for Railings."

The cost of furnishing and installing caulking compound, premoulded bituminous joint material, sponge rubber joint material & copper flashing shall be included in the prices bid for the various items in this contract.

After the concrete is cured, the contractor shall apply a waterproofing oil treatment, as described in the specifications for M.41 W, to all exposed surfaces, except on the underside of slabs. Two coats of waterproofing oil treatment shall be applied to the top of the slab; the second coat shall be applied two days prior to the placing of the pavement or sidewalk (Prices to be included in the Unit Price for Concrete Slabs)

Material & fabrication: Specifications of New York State Department of Public Works dated Jan. 2, 1951 & current modifications & additions.

Design Specifications: AASHO 1949.

Loading: H20-S16-44,

The contractors attention is directed to the special notes for this structure which appear in the Proposal. Particular attention is directed to the special notes, which briefly outline the anticipated sub-surface conditions at the site of the structures & which specify certain requirements relative to the construction. No construction joints other than those shown on the plans shall be permitted without the written permission of the Deputy Chief Engineer (Bridges).

Where caulking compound is to be used, the sides of the joints shall be primed with a material satisfactory to the manufacturer of the caulking compound, 20 to 30 minutes before the compound is placed. All joints must be thoroughly clean & dry before the priming coat is applied. Work must be performed by experienced men in this type of work.

Field connections may be made with turned bolts or approved equal.

Immediately before placing pavement concrete, the concrete surface upon which it is to be placed shall be thoroughly wetted down continuously for one hour, if the air temperature is above 50°F.

Sponge rubber shall meet the requirements of the standard specifications for Preformed Expansion Joint Fillers for concrete, A.S.T.M. Designation D. 544.

Where steel exceeding, one inch in thickness is to be welded, electrodes of classification number E 6015 or E 6016 shall be used.

For design purposes, the assumed load per pile does not exceed 30 Tons.

Two ply Membrane Waterproofing shall be applied at all Joints as shown on details and shall not be exposed without protection longer than 24 hours. Membrane Waterproofing at abutments & wingwalls shall be protected against damage during backfilling.

All concrete pours shall be continuous between construction joints. Concrete surfaces at construction joints shall be thoroughly cleaned, brushed & wetted down before new concrete is placed.

Chamfer exposed edges 3/4" unless noted otherwise.

For Reinforcement notes see sheet H12.

MOHAWK THRUWAY
UNDER SCHENECTADY - DUANESBURG
P.T.I, S. H. 880 ON ROUTE 7

STA. 6100+81
SCHENECTADY COUNTY

GENERAL PLAN
ELEVATION & NOTES

SCALE - AS SHOWN

Prepared and Recommended:
E. H. Harlow
E.H.HARLOW, VICE PRES. N.Y. STATE P.E. LIC. NO. 20747
June '54
DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: J. Ferenz
Checked by: J. Tolerico
Traced by: D. Corbin
Tracing Ck'd by: W. Lush

DWG. NO. 481-3-10E-1702

M.T. 53-3 R.O. 53-19

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			44	157
N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				

Fill to these upper limits shall be placed and consolidated in a manner and for a period of time satisfactory to the Deputy Chief Engineer, Bridges, before piles are driven.

℄ Fix. Brg. Sta. 10+54.878 Bridge Begins Sta. 10+52.878 | ℄ Pier #1 Sta. 10+96.081 | ℄ Pier #2 Sta. 11+54.633 | ℄ Pier #3 Sta. 12+13.185 | ℄ Fix. Brg. Sta. 12+54.388 | End of Bridge Sta. 12+56.388

40'-8 7/16" | 1'-0" | 57'-6 5/8" | 1'-0" | 57'-6 5/8" | 1'-0" | 40'-8 7/16"

6'-5" Normal | ℄ Exp. Brg. | ℄ Exp. Brg. | ℄ Fix. Brg. | ℄ Exp. Brg. | ℄ Fix. Brg. | ℄ Exp. Brg. | 5'-8" Normal

Subgrade of Roadway | El. 358.91 | 2'-6" Min. | 1on 2.35 | 55'-6 5/8" | 55'-6 5/8" | Item 79 | 1on2 | El. 361.71 | Subgrade of Roadway

3' | 3' | 1" | Approx. Existing Ground Surface

Max. size of stone in this area of fill to be 3"

El. 344.84 | El. 345.26 | El. 344.99 | 1'-0" Min.

Dry Stone Pave Item 79 | Cast in place Conc. Piles Item 85 C. Estimated length 32'-0" | Now 24" RCCP (Hwy Est) | Max. payment lines for Item 5 | Cast in place Conc. Piles Item 85 C. Estimated length 50'-0"

West Abutment | East Abutment

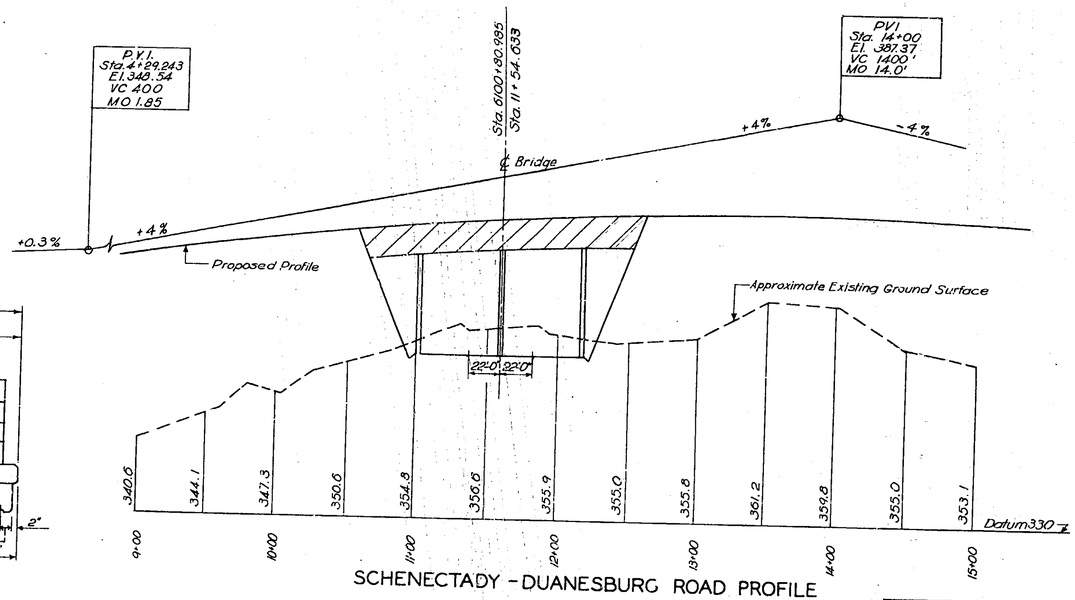
SPAN #1 42'-2 7/16" | SPAN #2 58'-6 5/8" | SPAN #3 58'-6 5/8" | SPAN #4 42'-2 7/16"

LONGITUDINAL SECTION

Scale 1" = 20'-0"

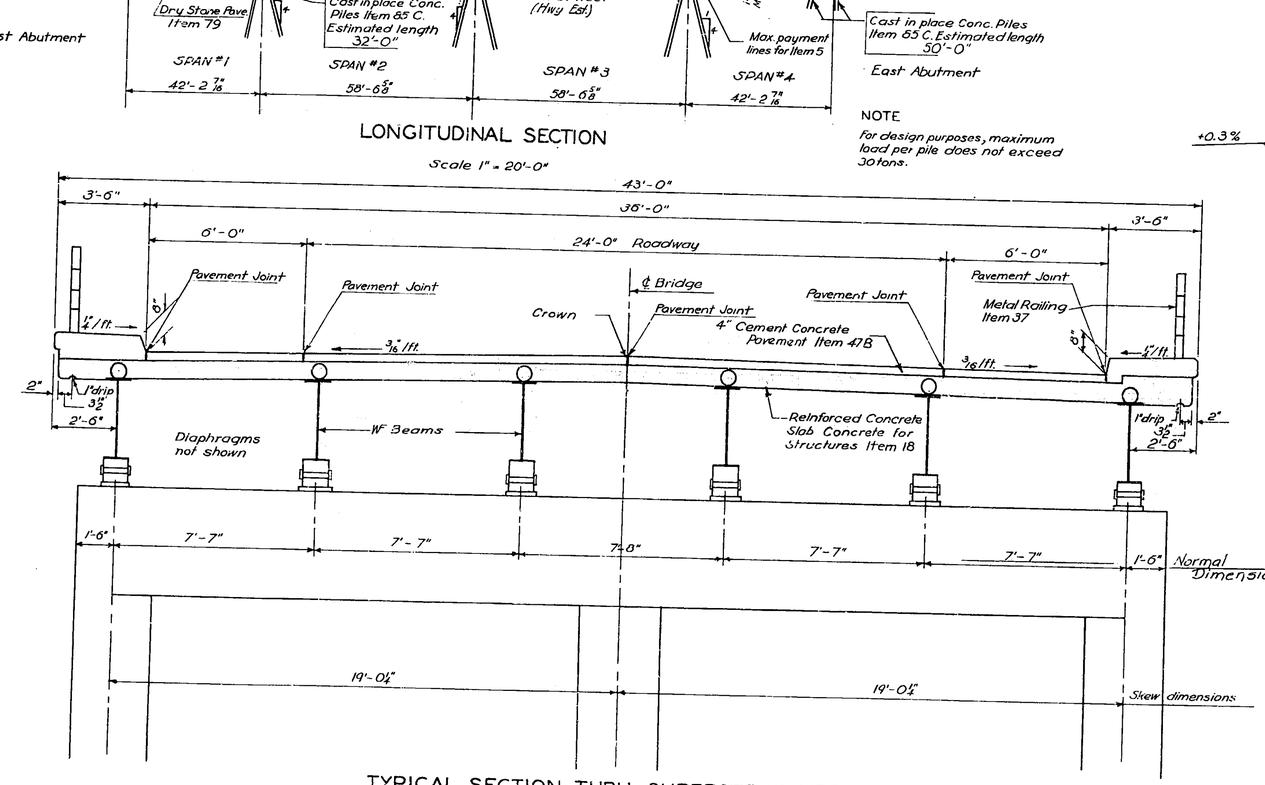
NOTE

For design purposes, maximum load per pile does not exceed 30 tons.



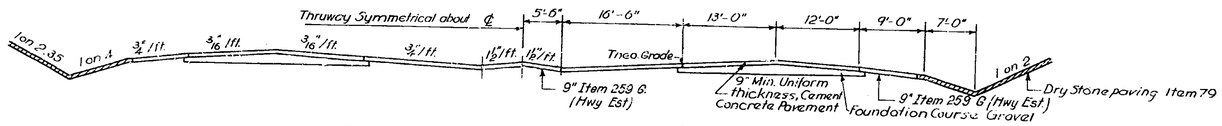
SCHENECTADY - DUANESBURG ROAD PROFILE

Scale: Hor. 1"=50' Ver. 1"=10'



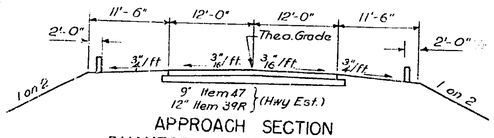
TYPICAL SECTION THRU SUPERSTRUCTURE

Scale 1"=10'-0"



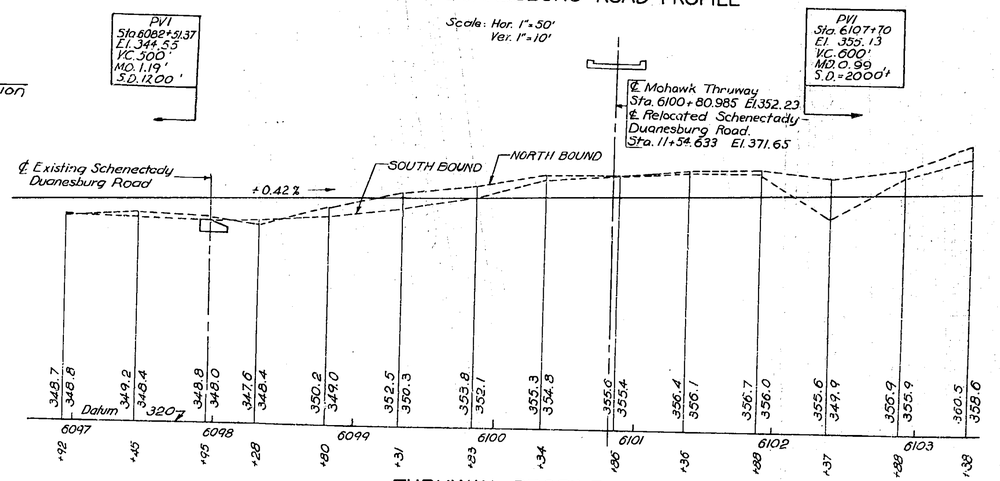
THRUWAY SECTION UNDER BRIDGE

Scale 1" = 10'-0"



APPROACH SECTION DUANESBURG P.T.I, S.H. 880

Scale 1" = 10'-0"



THRUWAY PROFILE

Scale: Hor. 1" = 50' Ver. 1" = 10'

MOHAWK THRUWAY
UNDER SCHENECTADY-DUANESBURG
P.T.I, S.H. 880 ON ROUTE 7

STA. 6100+81
SCHENECTADY COUNTY

PROFILES & SECTIONS

SCALE - AS SHOWN

Prepared and Recommended:
E.H. Harlow
E.H HARLOW, VICE PRES. N.Y. STATE P. E. LIC. NO. 20747
Jan 5 '53
DATE

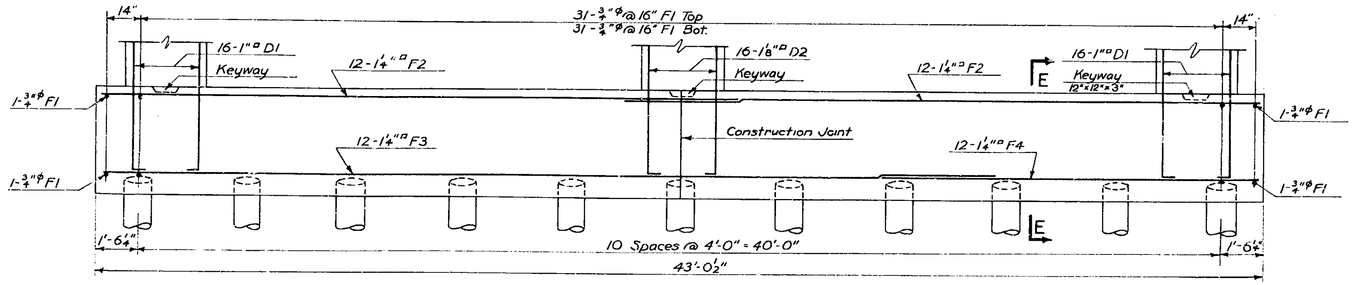
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: J. Ferenz
Checked by: J. Talerico
Traced by: P. Piaseckyj
Tracing Chk by: W. Lush

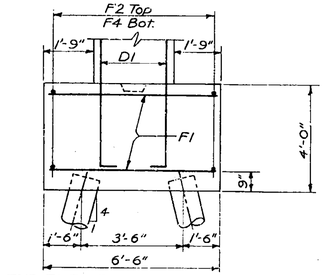
DWG. NO. 491-3-125-1706

M.T. 88-6 R.O. 32-19

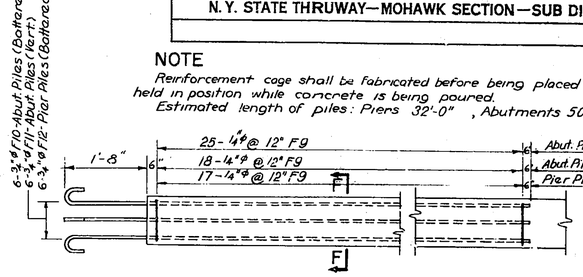
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			45	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



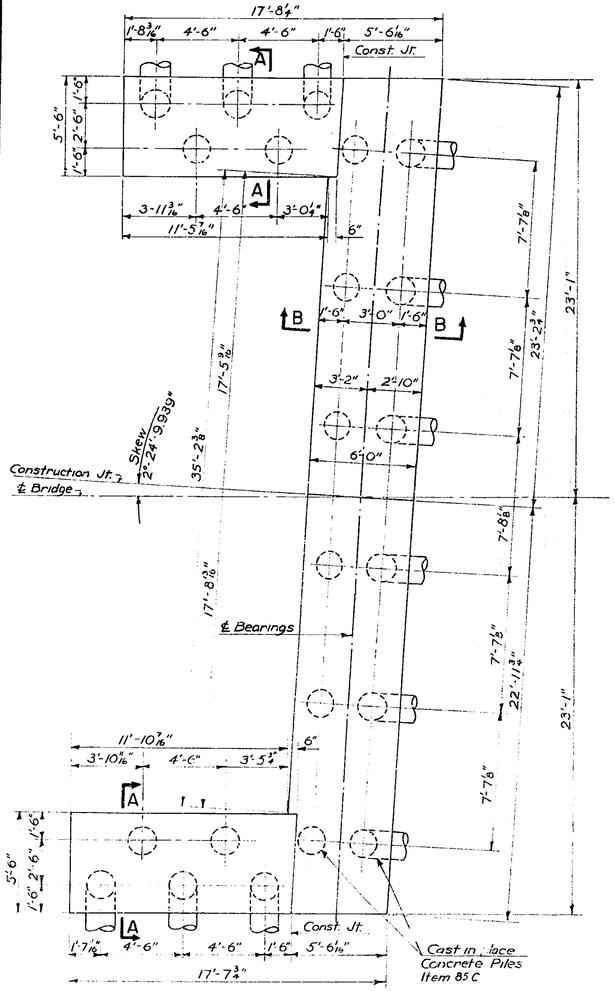
ELEVATION OF PIER FOOTING
Scale ⅜"=1'-0"



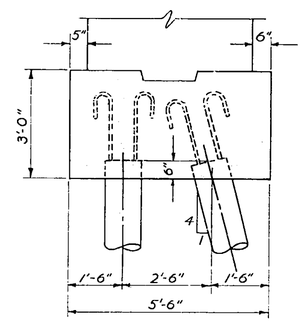
END ELEVATION OF PIER FOOTING
Scale ⅜"=1'-0"



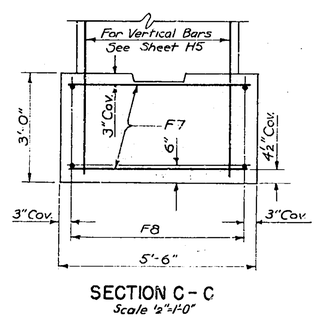
PILE REINFORCEMENT DETAIL
Scale- None



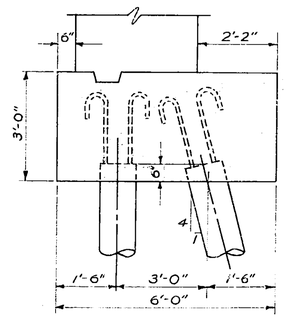
WEST ABUTMENT PILE PLAN
EAST ABUTMENT PILE PLAN SIMILAR
Scale ½"=1'-0"



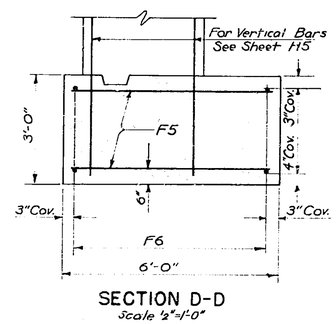
SECTION A-A
Scale ½"=1'-0"



SECTION C-C
Scale ½"=1'-0"



SECTION B-B
Scale ½"=1'-0"



SECTION D-D
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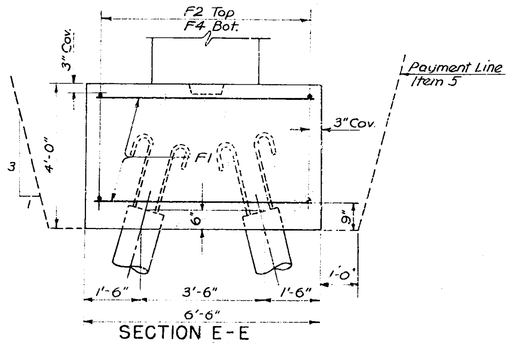
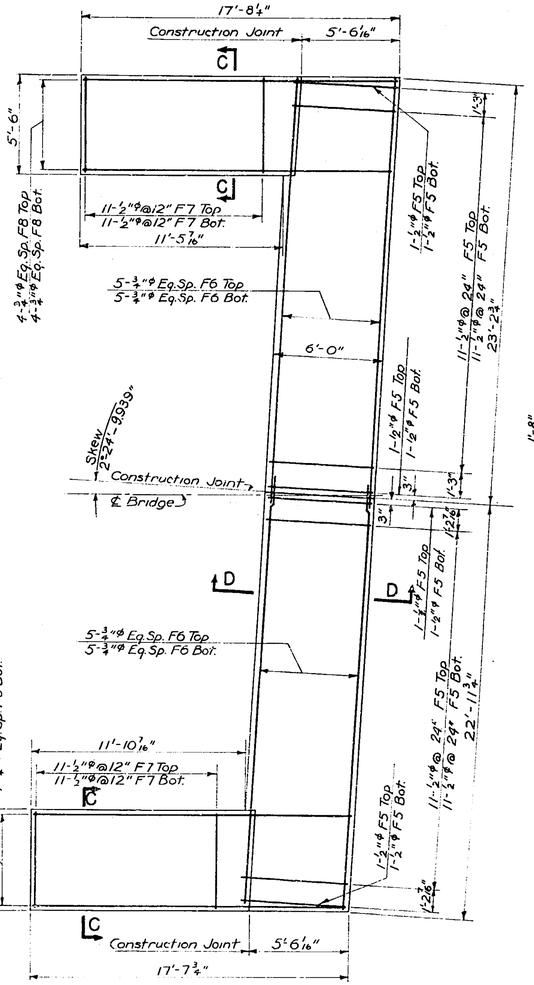
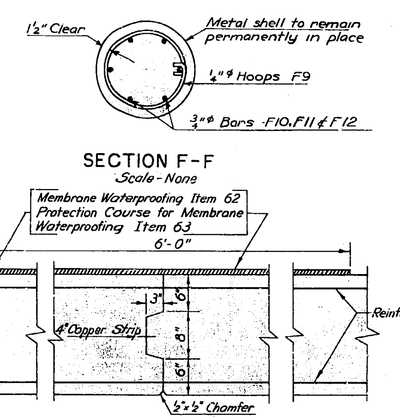


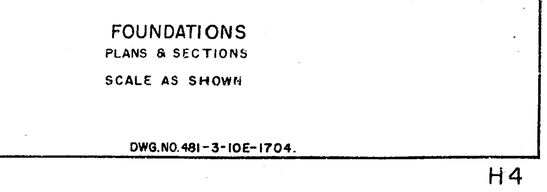
SECTION E-E
Scale ½"=1'-0"



WEST ABUTMENT FOOTING REINFORCEMENT PLAN
EAST ABUTMENT FOOTING REINFORCEMENT PLAN SIMILAR
Scale ¼"=1'-0"



SECTION F-F
Scale-None



CONSTRUCTION JOINT DETAIL
Scale: 1"=1'-0"

NOTE

Reinforcement cage shall be fabricated before being placed and held in position while concrete is being poured.
Estimated length of piles: Piers 32'-0", Abutments 50'-0".

NOTES

All piles shall be cast in place Concrete Piles, Item 85C.
Placing dimensions are given center to center of bars unless noted otherwise.
Minimum lap length for splices shall be 40 bar diameters.
Concrete cover for reinforcement shall be 3" minimum.

All concrete in footings, Item 18.
All reinforcement, Item 28.

REFERENCE DRAWINGS

General Plan, Elevation & Notes H2
Profiles & Sections H3
Abutments - Plans, Sections & Details H5
Piers - Elevation, Sections & Details H6
Bar Schedule H12

MOHAWK THRUWAY
UNDER SCHENECTADY - DUANESBURG
P.T.I, S.H. 880 ON ROUTE 7
STA. 6100+81
SCHENECTADY COUNTY

FOUNDATIONS

PLANS & SECTIONS

SCALE AS SHOWN

Prepared and Recommended:
E.H. Harlow
E. H. HARLOW VICE PRES. N.Y. STATE P.E. LIC. NO. 20747
Jan 3' 5- DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

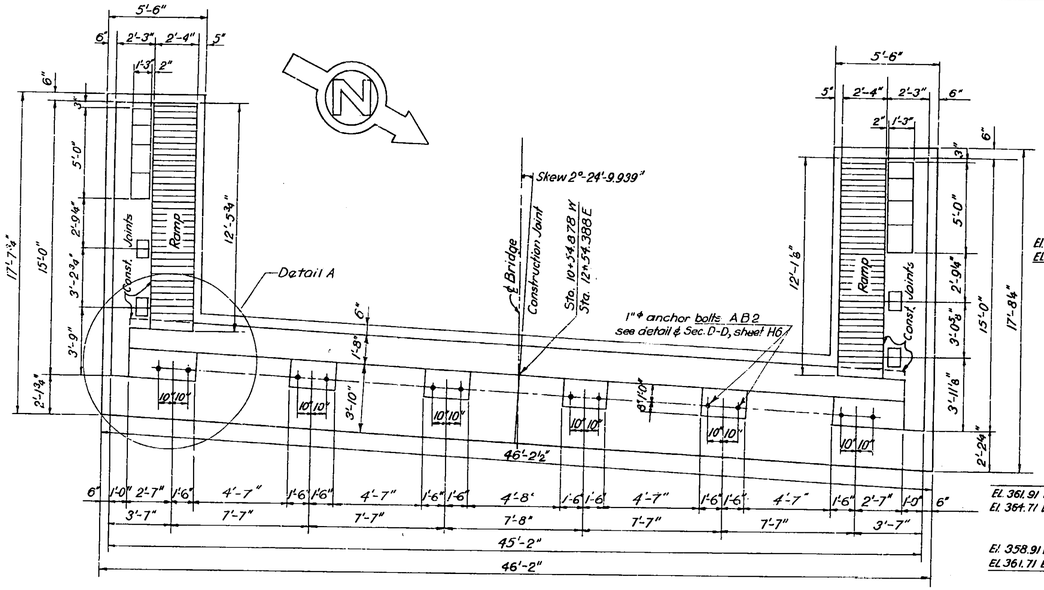
In Charge of: R. Harris
Made by: W. Lush
Checked by: J. Ferenz
Traced by: S. Levy
Tracing Chk by: W. Lush

DWG. NO. 481-3-10E-1704.

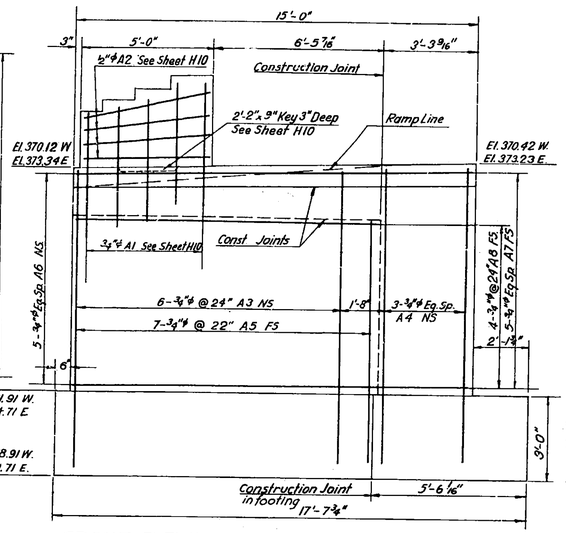
M.T. 53-3 R.C. 20-19

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			46	157

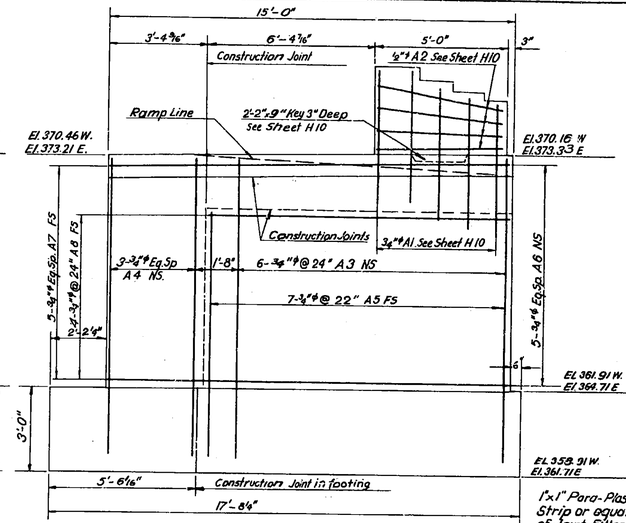
N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1



WEST ABUTMENT MASONRY PLAN
EAST ABUTMENT MASONRY PLAN SIMILAR
Scale: ¼"=1'-0"

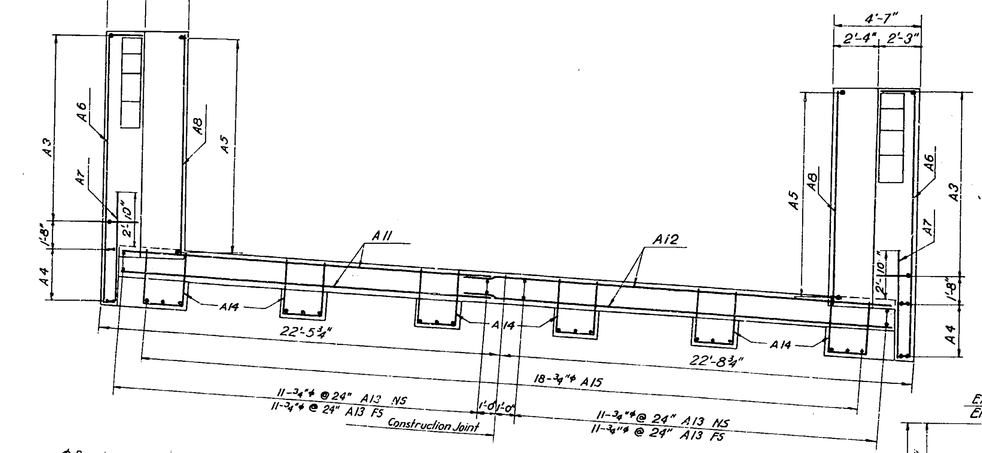


FRONT ELEVATION SOUTHWEST WINGWALL
FRONT ELEVATION NORTHEAST WINGWALL SIMILAR
Scale: ⅜"=1'-0"

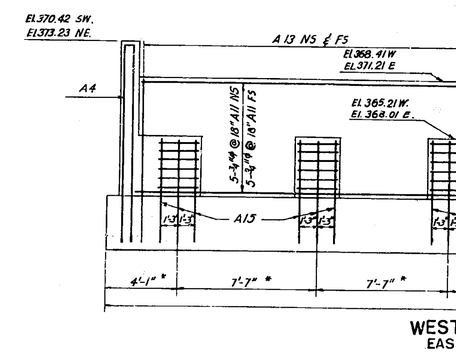


FRONT ELEVATION NORTHWEST WINGWALL
FRONT ELEVATION SOUTHEAST WINGWALL SIMILAR
Scale: ⅜"=1'-0"

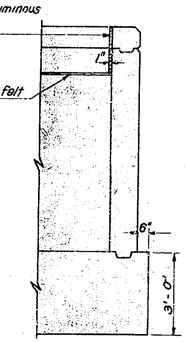
1"x1" Para-Plastic moulded Strip or equal. Place on top of Joint Filler and against sidewalk slab just prior to pouring of coping.



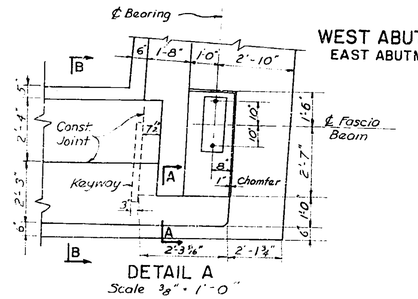
WEST ABUTMENT REINFORCEMENT PLAN
EAST ABUTMENT REINFORCEMENT PLAN SIMILAR
Scale: ¼"=1'-0"



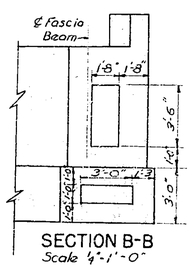
WEST ABUTMENT ELEVATION
EAST ABUTMENT ELEVATON SIMILAR
Scale: ¼"=1'-0"
*Denotes Normal Dimensions



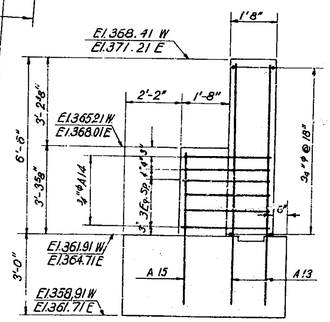
SECTION A-A
Scale: ⅜"-1'-0"



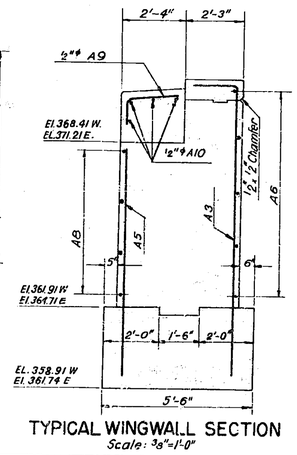
DETAIL A
Scale ⅜" = 1'-0"



SECTION B-B
Scale ¼"-1'-0"



TYPICAL ABUTMENT SECTION
Scale: ⅜"=1'-0"



TYPICAL WINGWALL SECTION
Scale: ⅜"=1'-0"

NOTES

Concrete cover for reinforcement shall be 2" unless noted otherwise.
Minimum lap for splices shall be 40 bar diameters.
Concrete in abutments & wing walls shall be Item 18.
Concrete in pylons shall be Item 19.
All Reinforcement shall be Item 28.
Anchor bolts shall be Item 29.

REFERENCE DRAWINGS

General Plan, Elevation & Notes	H 2
Profiles & Sections	H 3
Foundations Plans & Sections	H 4
Standard Bridge Details	H10
Standard Bridge Details	H11
Bar Schedule	H12

MOHAWK THRUWAY
UNDER SCHENECTADY-DUANESBURG
P.T.I, S.H. 880 ON ROUTE 7
STA. 6100+81
SCHENECTADY COUNTY

ABUTMENTS
PLANS, SECTIONS & DETAILS
SCALE-AS NOTED

Prepared and Recommended:
E. N. Harlan
E. N. HARLOW, VICE PRES. N.Y. STATE P. E. LIC. NO. 20747
June 5, '53 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

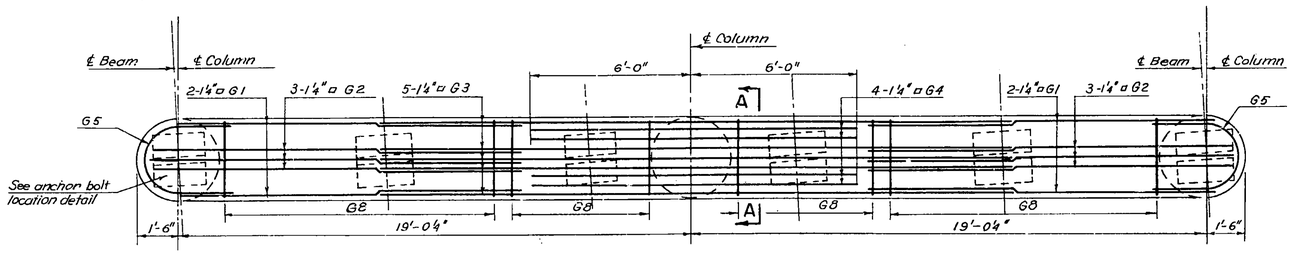
In Charge of: R. Harris
Made by: W. Lush
Checked by: J. Rubel
Traced by: G. Karatchansky
Tracing Chk by: W. Lush

DWG. NO. 481-3-.0E-1705

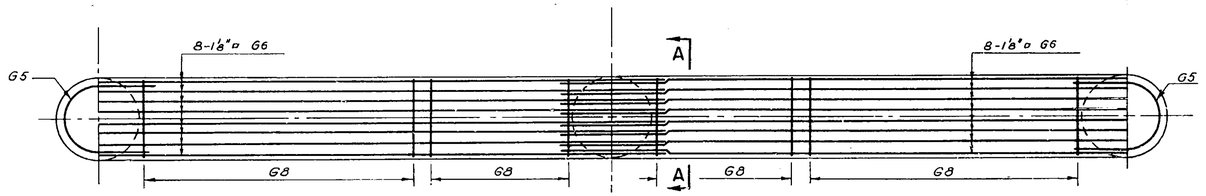
2.4:1

M.T. 58-3 R.C. 58-19

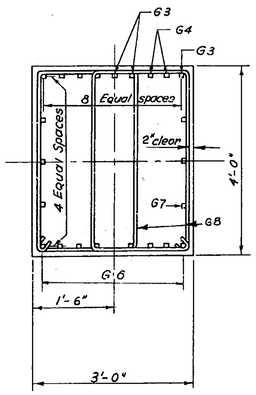
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			47	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



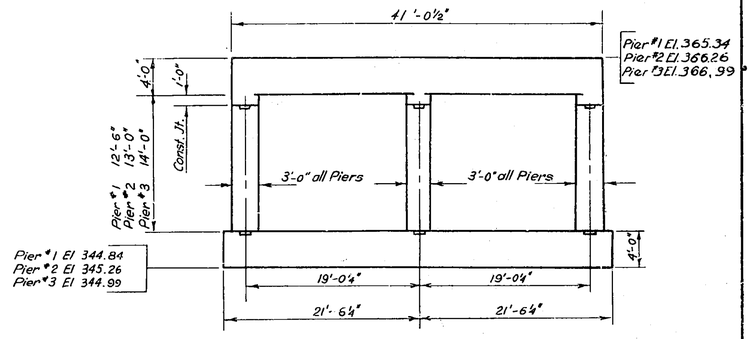
PLAN SHOWING TOP REINFORCEMENT
Scale ⅜"=1'-0"



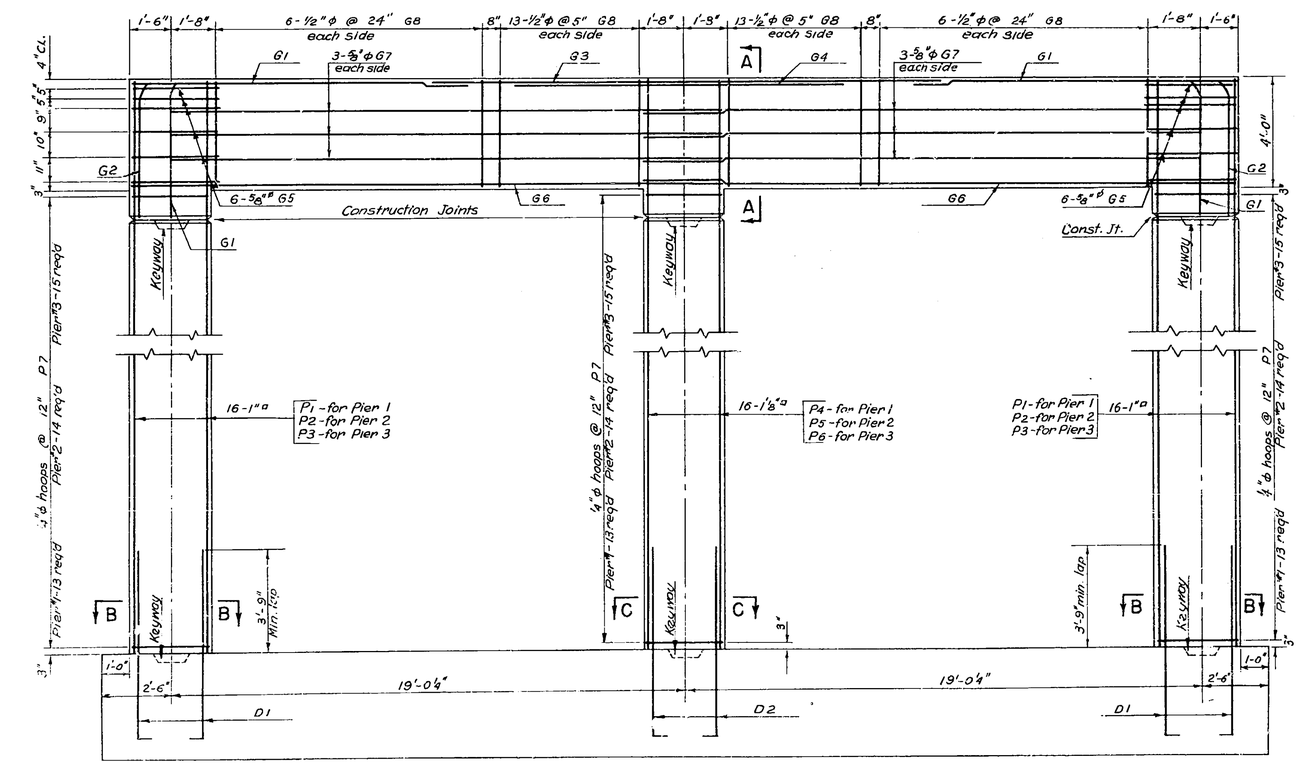
PLAN SHOWING BOTTOM REINFORCEMENT
Scale ⅜"=1'-0"



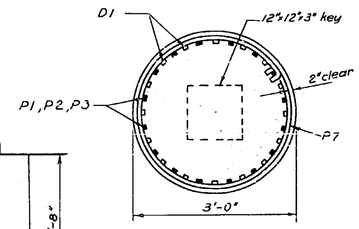
SECTION A-A
Scale ¾"=1'-0"



ELEVATION
Scale 6"=1'-0"

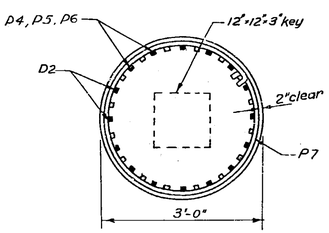


ELEVATION SHOWING REINFORCEMENT
Scale ⅜"=1'-0"

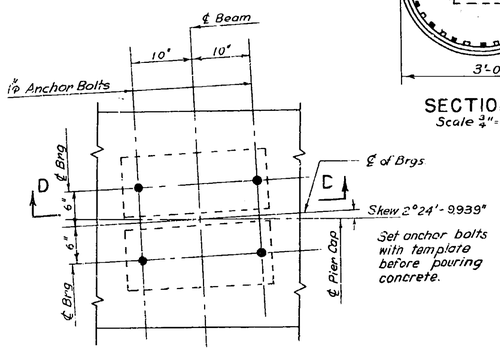


SECTION D-D
Scale 1"=1'-0"

SECTION B-B
Scale ¾"=1'-0"



SECTION C-C
Scale ¾"=1'-0"



ANCHOR BOLT LOCATION DETAIL
Scale 1"=1'-0"

NOTES

All concrete shall be item 19.
Bar reinforcement shall be item 28.
Anchor bolts shall be item 29.
Placing Dimensions are given center to center of bars, unless noted otherwise.
Where reinforcement interferes with anchor bolt sleeves, etc., shift or bend bars.
Concrete cover for reinforcement shall be 2" unless noted otherwise.

REFERENCE DRAWINGS

General Plan, Elevation & Notes H2
Profiles & Sections H3
Foundations, Plans & Sections H4
Standard Bridge Details H11
Bar Schedule H12

MOHAWK THRUWAY
UNDER SCHENECTADY-DUANESBURG
P.T.i, S.H. 880 ON ROUTE 7
STA. 6100+81
SCHENECTADY COUNTY
PIERS
ELEVATION, SECTIONS & DETAILS
SCALE AS SHOWN

DWG. NO. 481-3-10E-1706.

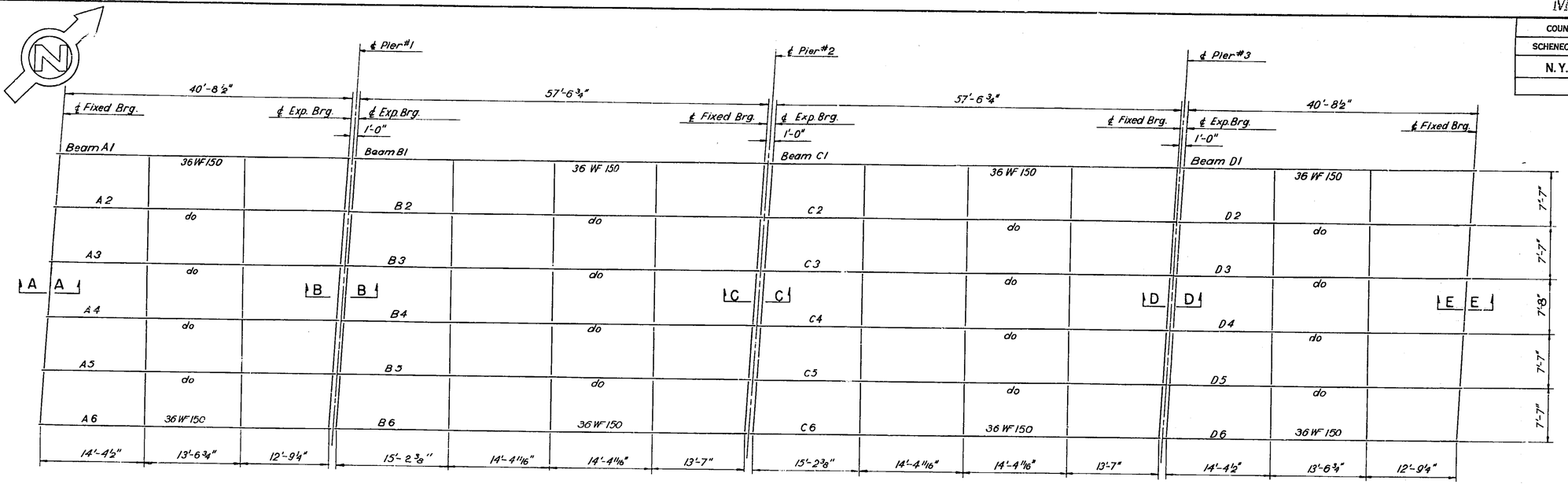
Prepared and Recommended:
E.H. Harlow
E.H. HARLOW VICE PRES. N.Y. STATE P.E. LIC. NO. 20747
Jan 3 '58
DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: D. Corbin
Checked by: J. Ferenz
Traced by: W. Olijnik
Tracing Chk by: W. Lush

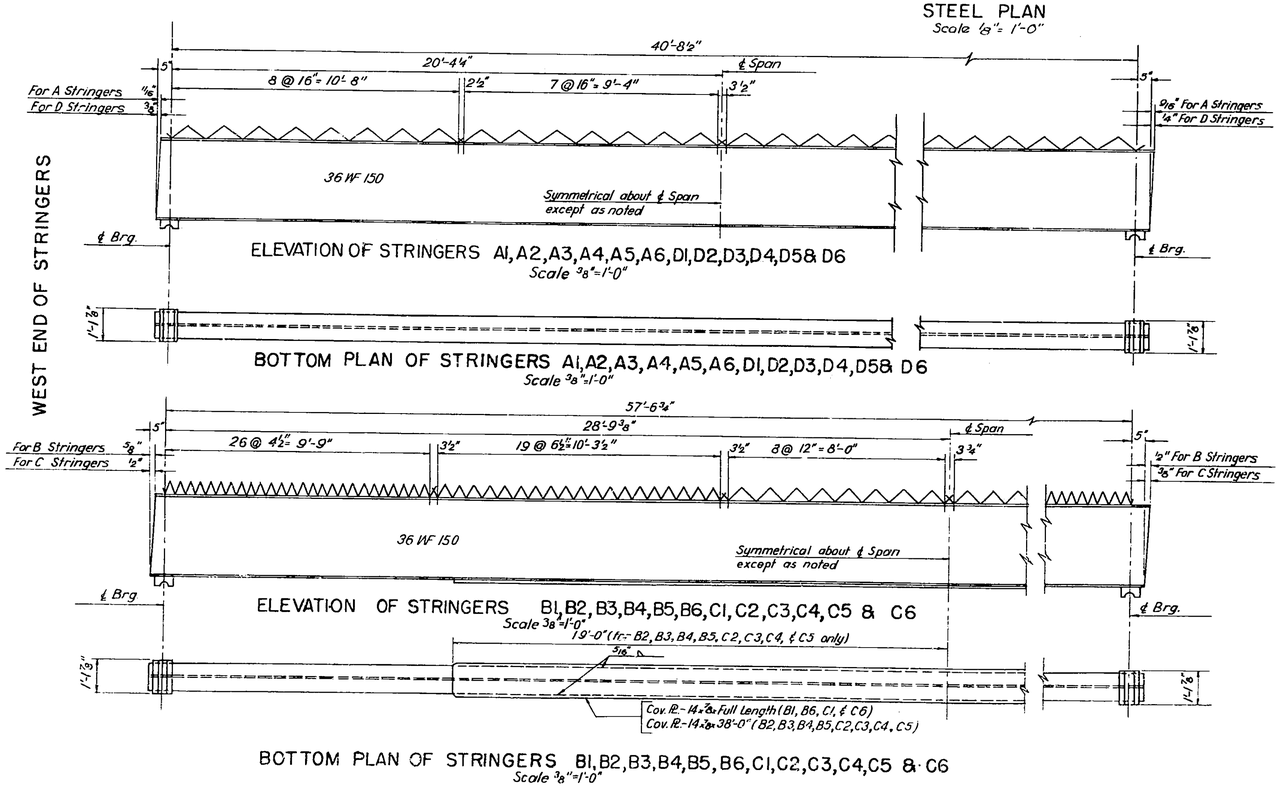
M.T. 53-3 R.O. 33-19

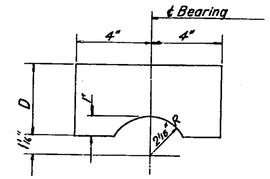
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			48	157

N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1



STEEL PLAN
Scale ⅛" = 1'-0"

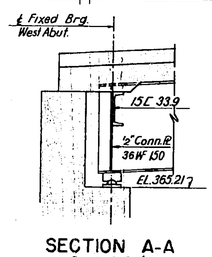




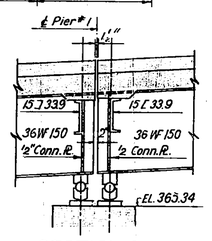
BEARING SHOE
Scale 3" = 1'-0"

D DIMENSIONS

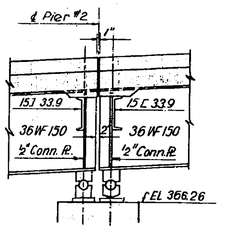
Stringers	D WEST END	Mark	D EAST END	Mark
A1	3⅜"	SP1	4 3/16"	SP 15
A2	4⅜"	SP 2	5 11/16"	SP 10
A3	6 1/16"	SP 3	7 1/16"	SP 16
A4	6"	SP 4	7"	SP17
A5	4½"	SP 5	5½"	SP 20
A6	3"	SP6	4"	SP 21
B1	4½"	SP 5	4¼"	SP22
B2	5⅜"	SP7	5⅜"	SP 23
B3	7¼"	SP 8	7"	SP 17
B4	7 3/16"	SP 9	6 15/16"	SP 24
B5	5 11/16"	SP 10	5½"	SP 20
B6	4 3/16"	SP 11	4"	SP21
C1	4 7/16"	SP12	4 3/16"	SP 11
C2	5 13/16"	SP 13	5 9/16"	SP 18
C3	7 3/16"	SP 9	6 15/16"	SP 24
C4	7 1/8"	SP 14	6⅞"	SP 25
C5	5 11/16"	SP 10	5 7/16"	SP 26
C6	4 3/16"	SP 11	4"	SP 21
D1	4 5/16"	SP 15	3 3/16"	SP 27
D2	5 11/16"	SP 10	4 9/16"	SP 28
D3	7 1/16"	SP 16	5 13/16"	SP 29
D4	7"	SP 17	5⅞"	SP 7
D5	5 9/16"	SP 18	4 7/16"	SP 12
D6	4⅛"	SP 19	3"	SP 6



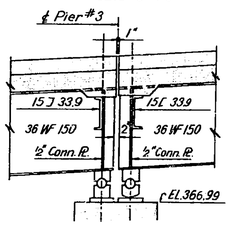
SECTION A-A
Scale ⅜" = 1'-0"



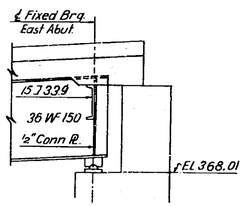
SECTION B-B
Scale ⅜" = 1'-0"



SECTION C-C
Scale ⅜" = 1'-0"



SECTION D-D
Scale ⅜" = 1'-0"



SECTION E-E
Scale ⅜" = 1'-0"

NOTES

Size of all diaphragms shall be 15 C 33.9.
All Structural Steel Item 29.
Spiral Shear connectors Item 28B.
For Spiral detail see sheet H11.
For Bearing details see sheet H11.
For diaphragm details see sheet H11.
Camber A Beams 1"
Camber B Beams 2¼"
Camber C Beams 2¼"
Camber D Beams 1"
} Includes dead load camber and camber due to vertical curve

REFERENCE DRAWINGS

General Plan, Elevation & Notes ____ H2
Profiles & Sections ____ H3
Abutments-Plans, Sections & Details H5
Piers-Elevations, Sections & Details H6
Bridge Slab-Plan, Sections & Details H8
Standard Bridge Details ____ H11

MOHAWK THRUWAY
UNDER SCHENECTADY-DUANESBURG
P.T.I, S. H. 880 ON ROUTE 7
STA. 6100+81
SCHENECTADY COUNTY

BEAMS & DIAPHRAGMS
PLAN, SECTIONS, DETAILS
SCALE AS SHOWN

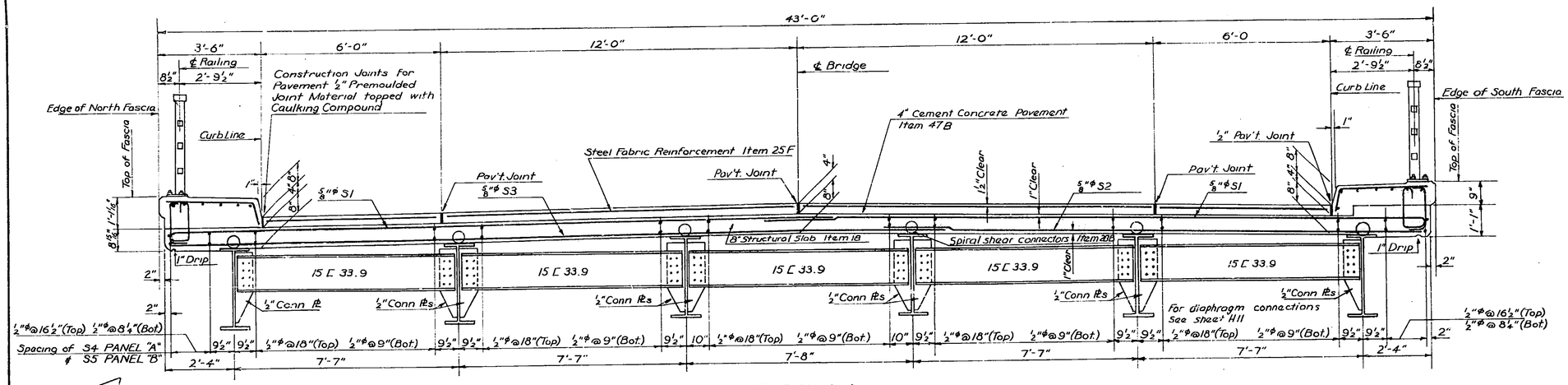
DWG. NO. 48i-3-10E-1707.

Prepared and Recommended:
E.H. HARLOW VICE PRES. N.Y. STATE P.E. LIC. NO. 20747
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.
Jan 5 '53
DATE

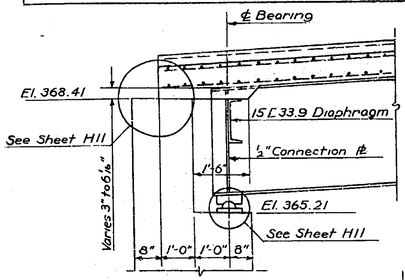
In Charge of: R. Harris
Made by: W. Lush
Checked by: J. Ferenz
Traced by: G.M. Karatchansky
Tracing Chk by: J. Ferenz

M.T. 66-3 R.O. 65-19

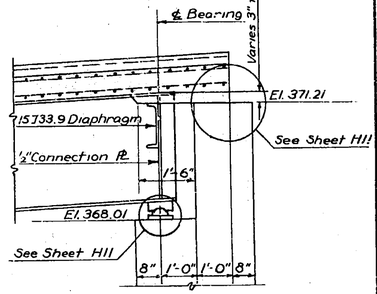
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			49	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



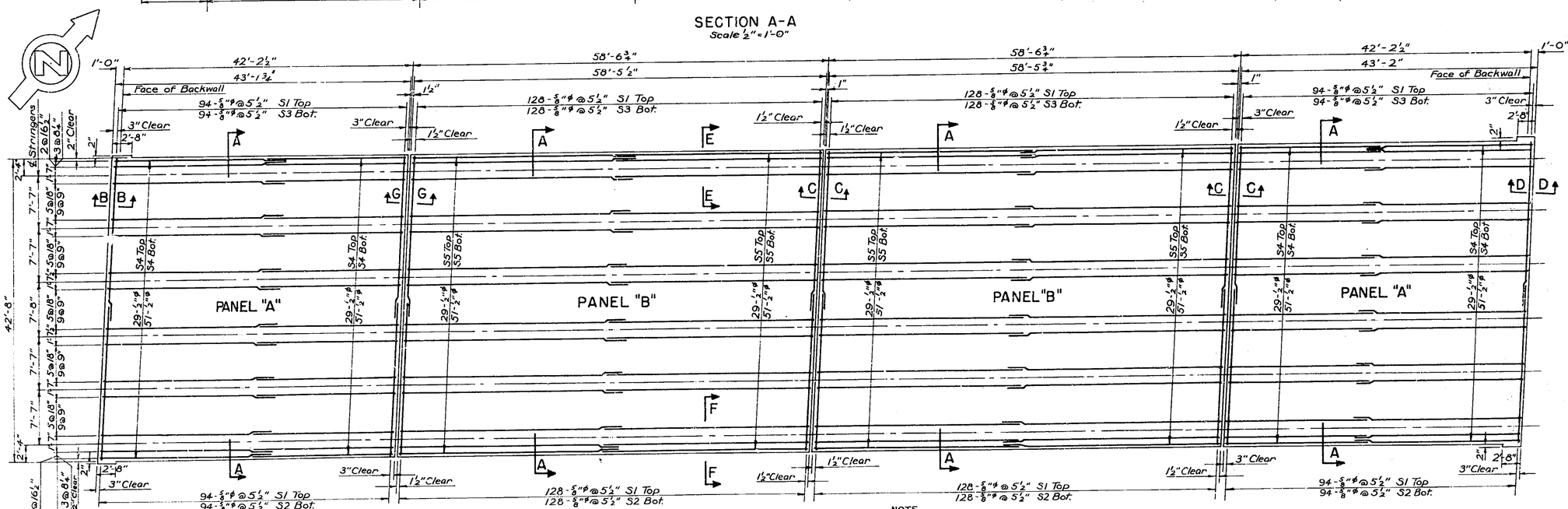
SECTION A-A
Scale ½"=1'-0"



SECTION B-B
Scale ½"=1'-0"

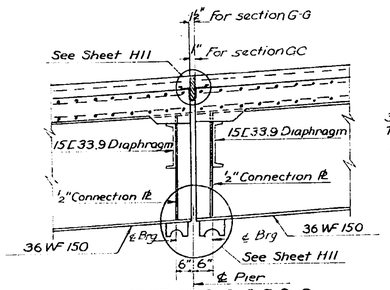


SECTION D-D
Scale ½"=1'-0"

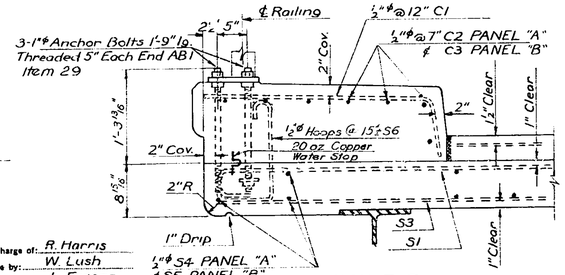


PLAN
Scale ⅛"=1'-0"

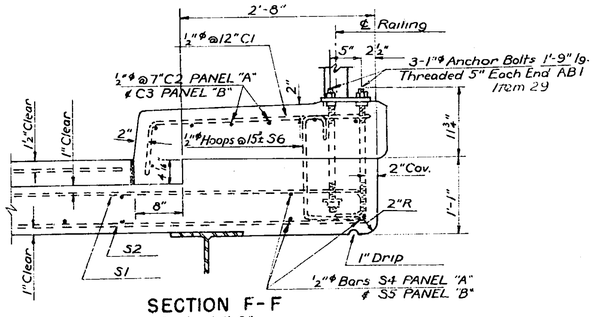
NOTE
Splices shown in crossbars are for top bars only. For splices in bottom bars see section A-A above.



SECTIONS C-C & G-G
IDENTICAL EXCEPT AS SHOWN
Scale ½"=1'-0"



SECTION E-E
Scale 1"=1'-0"



SECTION F-F
Scale 1"=1'-0"

NOTES

Placing dimensions are given center to center of bars unless noted otherwise.
Where reinforcement interferes with anchor bolts, spiral connectors, etc, shift or bend bars.
Minimum lap length for splices shall be 40 bar diameters.
Concrete in Structural Slab, Item 18.
Bar Reinforcement, Item 28.
Steel Fabric Reinforcement Item 25F
Cement Concrete pavement Item 47B
Anchor bolts Item 29
Spiral Shear Connectors Item 28B

REFERENCE DRAWINGS

General Plan, Elevation & Notes H2
Profiles & Sections H3
Abutments - Plans, Sections & Details H5
Beams & Diaphragms - Plan & Details H7
Standard Bridge Details H10
Standard Bridge Details H11
Bar Schedule H12

MOHAWK THRUWAY
UNDER SCHENECTADY-DUANESBURG
P.T.1, S.H. 880 ON ROUTE 7

STA. 6100+81
SCHENECTADY COUNTY

BRIDGE SLAB
PLAN, SECTIONS & DETAILS

SCALE- AS SHOWN

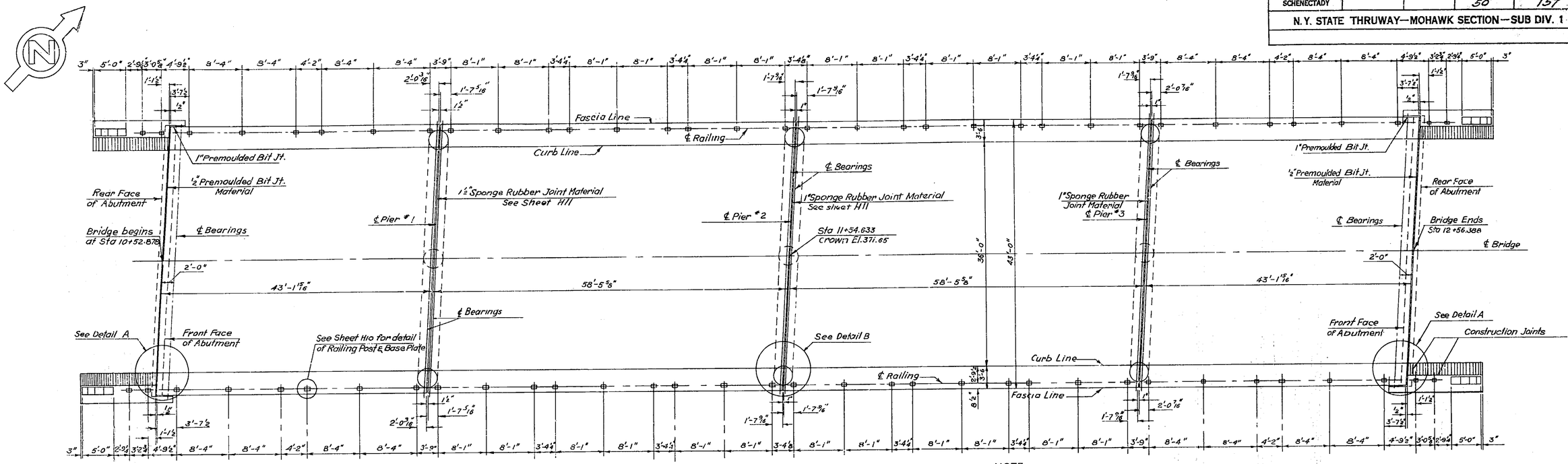
DWG. NO. 481-3-10E-1708.

Prepared and Recommended:
E.R. HARLOW VICE PRES. N.Y. STATE P. E. LIC. NO. 20747 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: W. Lush
Checked by: J. Ferenz
Traced by: I. Romaniuk
Tracing Chk by: J. Ferenz

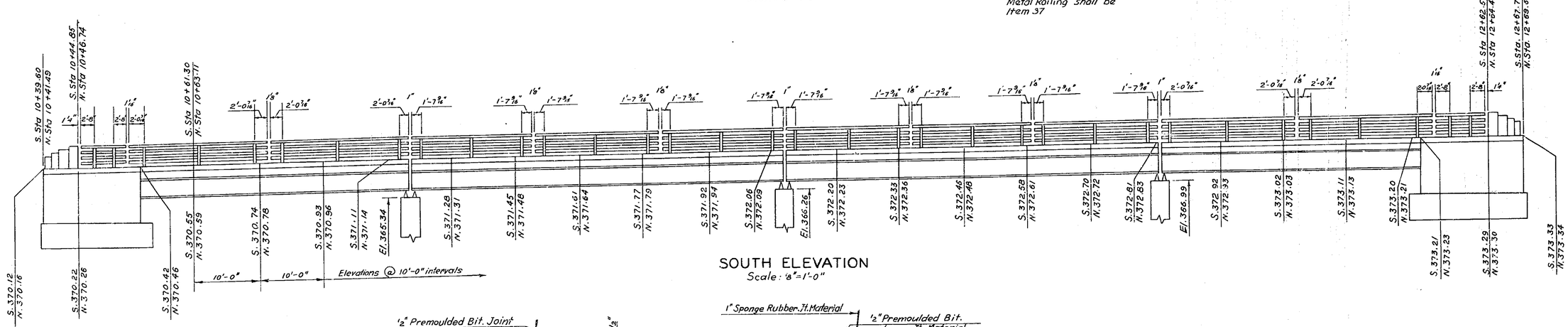
M.T. 58-3 R.C. 58-19

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			50	157
N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				

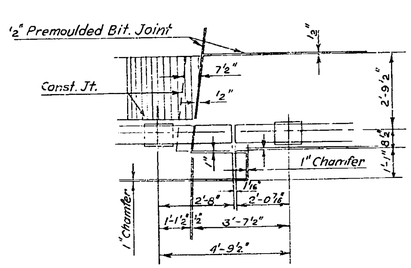


PLAN VIEW
HORIZONTAL PROJECTION
Scale: ⅛"=1'-0"

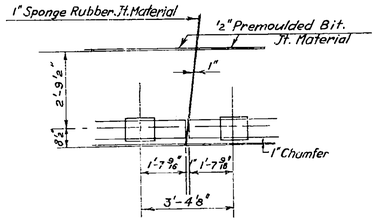
NOTE
See Sheet H10 for Railing Construction Procedure Metal Railing shall be Item 37



SOUTH ELEVATION
Scale: ⅛"=1'-0"



DETAIL A
Scale ⅜"=1'-0"



DETAIL B
Scale ⅜"=1'-0"

REFERENCE DRAWINGS

General Plan, Elevation & Notes	H2
Profiles & Sections	H3
Abutments, Plans, Sections & Details	H5
Piers, Elevations, Sections & Details	H6
Beams & Diaphragms, Plan & Details	H7
Bridge Slab, Plan, Sections & Details	H8
Standard Bridge Details	H10
Standard Bridge Details	H11

MOHAWK THRUWAY
UNDER SCHENECTADY-DUANESBURG
P.T.I, S.H. 880 ON ROUTE 7
STA. 6100+81
SCHENECTADY COUNTY

RAILING & PYLON LOCATION
SCALE: ⅛"= 1'-0"

Prepared and Recommended:
E. H. HARLOW, VICE PRES. N.Y. STATE P. E. LIC. NO. 20747 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: D. Corbin
Checked by: W. Lush
Traced by: W. Olijnik
Tracing Chk by: W. Lush

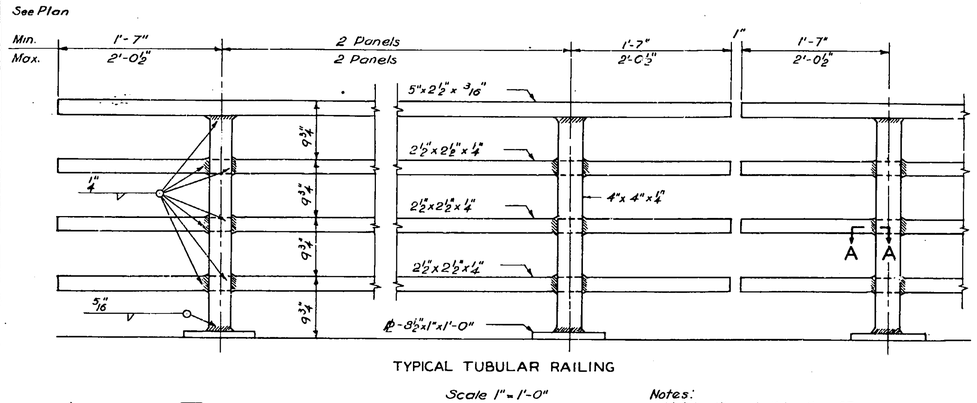
DWG. NO. 481-3-10E-1709

H9

M.T. 53-3 R.C. 53-19

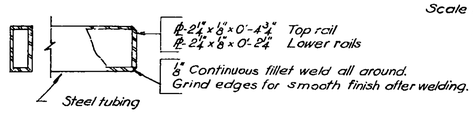
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			51	157

N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1



TYPICAL TUBULAR RAILING

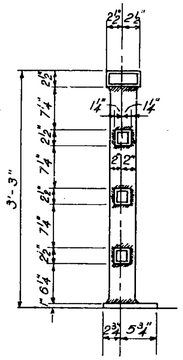
Scale 1"=1'-0"



Construction Procedure

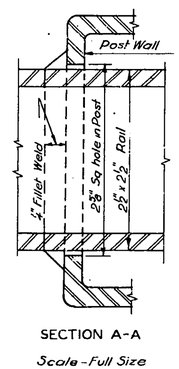
1 - Set railing anchor bolts by means of template and pour slab.
2 - Make two (2) applications of water proofing oil treatment M 41-W to the top of slab.
3 - The top of slab shall be continuously and thoroughly wetted down, as directed by the engineer, for at least one hour, immediately prior to the placing of the roadway pavement.
4 - Pour roadway pavement.
5 - Place lower nuts on upper end of anchor bolts.
6 - Place railing on lower nuts and adjust to bring railing to line and grade.
7 - Place upper nuts on anchor bolts; tighten down on plates.
8 - Pour sidewalk to proper line and grade.

Notes:
Metal railing shall be Item 37
Double panel as shown.
Single panel similar except for panel length.
All railings are to be fabricated and erected so that rails are parallel to each other and to the top of fascia and posts are truly vertical.
Dimensions for tubing are outside dimensions.
Shop or field welding may be used in fabrication and erection of the railing.
All welds on railing shall be ground smooth.



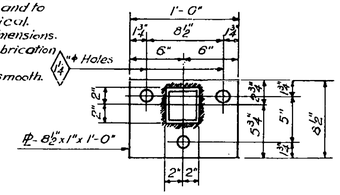
SECTION THRU RAILING

Scale 1"=1'-0"



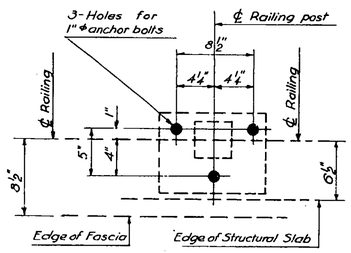
SECTION A-A

Scale - Full Size



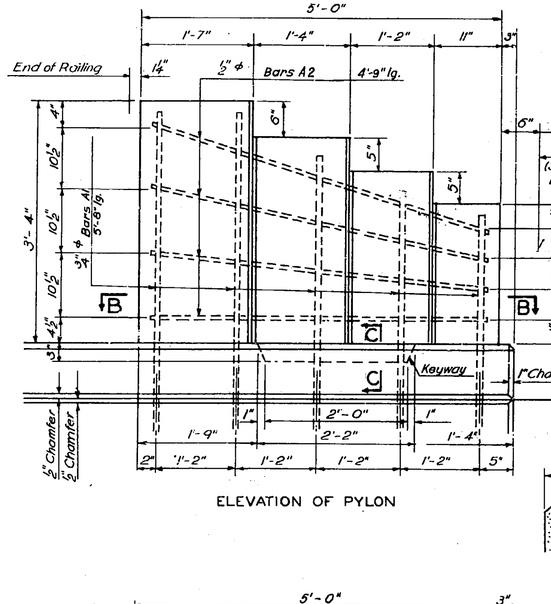
RAILING POST BASE PLATE

Scale 1½"=1'-0"



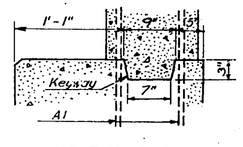
TEMPLATE FOR SETTING RAILING POST ANCHOR BOLTS

Scale 1½"=1'-0"

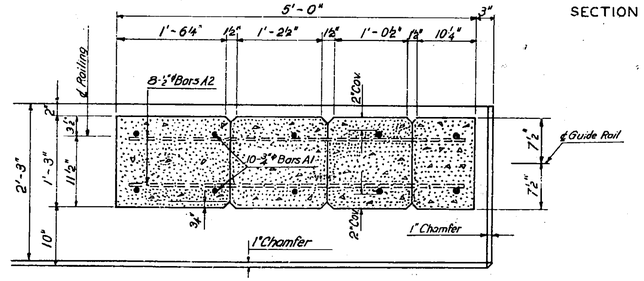


Notes:
See abutment detail for setting of vertical bars.
Do not chamfer edges of pylon. Rub to ¼" round
A1 bars to extend a minimum 2'-6" below top of coping
Pylons shall be erected vertical and top surface of pylons shall be placed parallel to grade.
Concrete for pylons shall be Item 19.
Bar reinforcement shall be Item 28.

ELEVATION OF PYLON



SECTION C-C



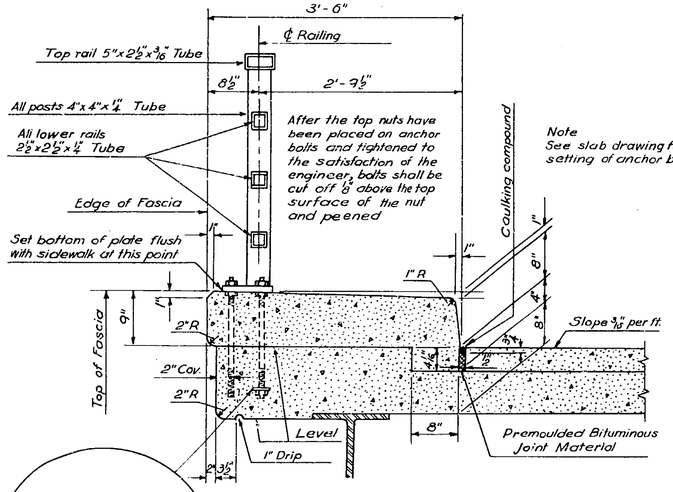
SECTION B-B

PYLON DETAILS

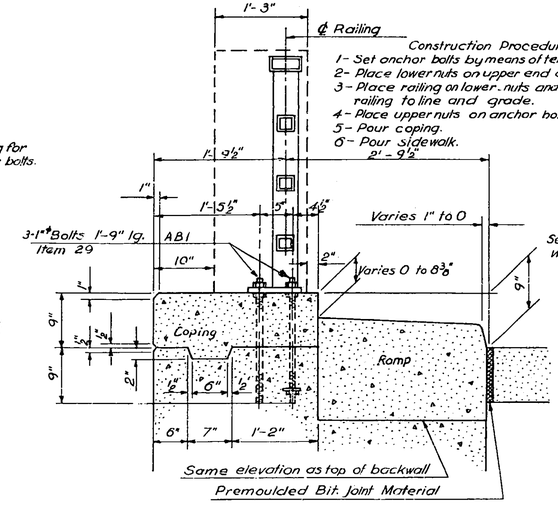
Scale 1"=1'-0"

TUBULAR RAILING DETAILS

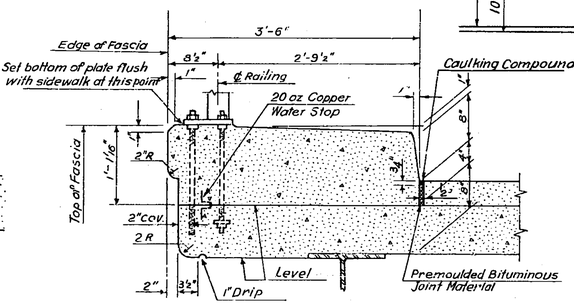
Scale - As Shown



SIDEWALK AND FASCIA
SOUTH SIDE



SECTION THRU SUBSTRUCTURE



SIDEWALK AND FASCIA
NORTH SIDE

SIDEWALK AND FASCIA DETAILS

Scale 1"=1'-0"

MOHAWK THRUWAY
UNDER SCHENECTADY-DUANESBURG
P.T.1, S.H. 880 ON ROUTE 7
STA. 6100+81
SCHENECTADY COUNTY

STANDARD BRIDGE DETAILS

SCALE - AS SHOWN

Prepared and Recommended:
E.H. HARLOW, VICE PRES. N.Y. STATE P. E. LIC. NO. 20747
DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

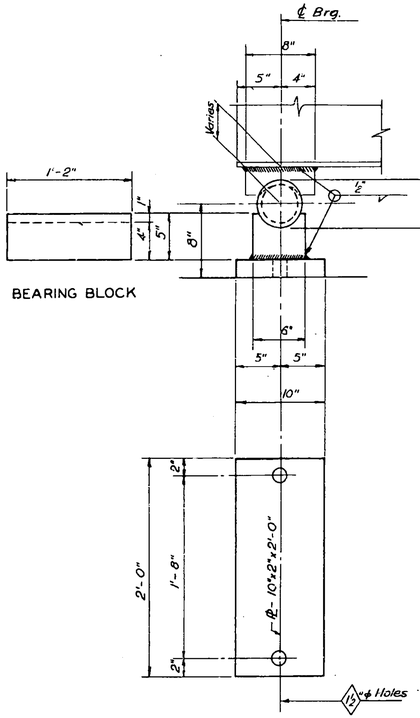
In Charge of: R. Harris
Made by: W. Lush
Checked by: J. Talerico
Traced by: W. Olijnik
Tracing Chk by: W. Lush

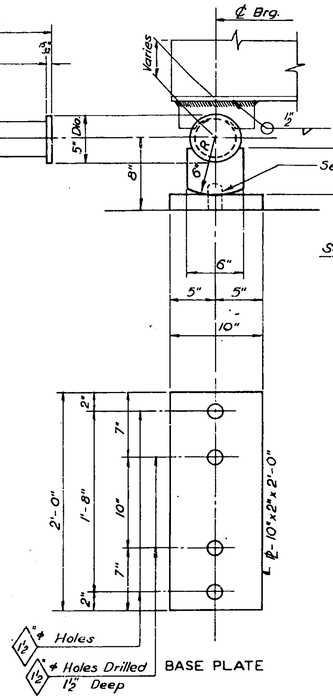
DWG. NO. 481-3-10E-1710

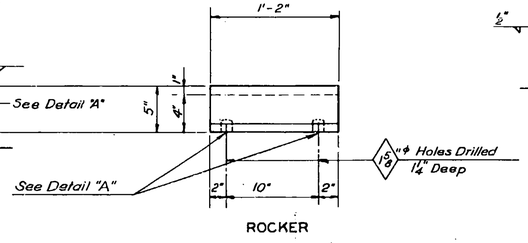
H10

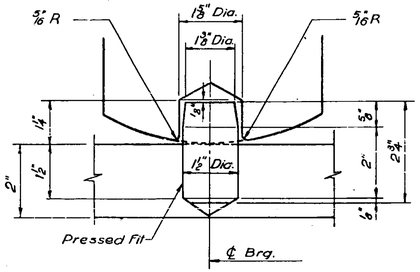
M.T. 53-3 R.C. 53-19

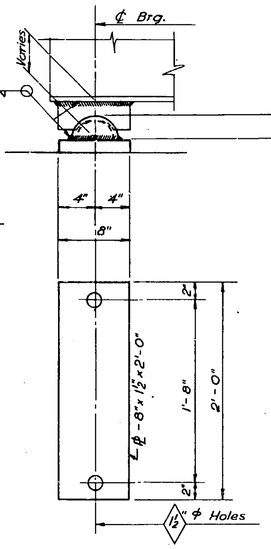
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			52	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				





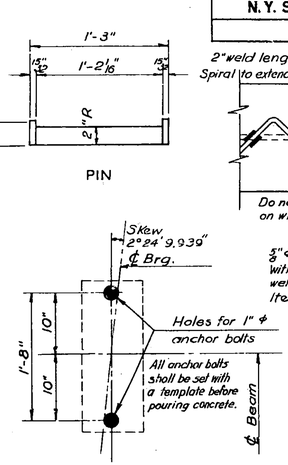






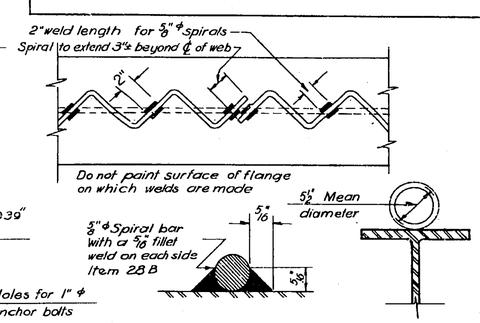
FIXED BEARING DETAILS AT ABUTMENT

Scale 1½"=1'-0"



TEMPLATE FOR SETTING BEARING ANCHOR BOLTS

Scale 1"=1'-0"

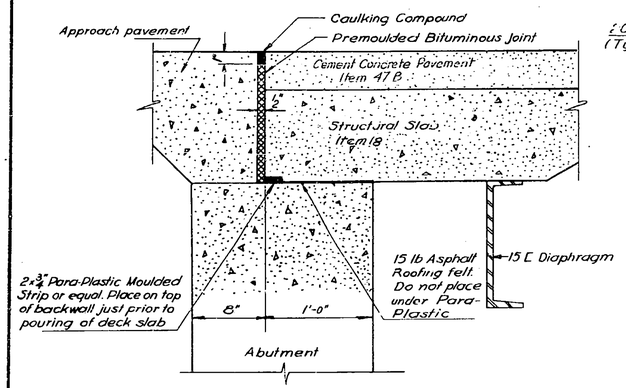


SPIRAL DETAILS

Scale 1½"=1'-0"

FIXED BEARING DETAILS AT PIERS

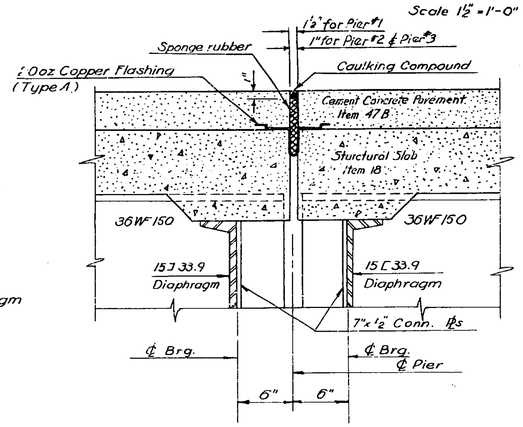
Scale 1½"=1'-0"



DETAIL OF JOINT AT ABUTMENT

EXPANSION BEARING DETAILS AT PIERS

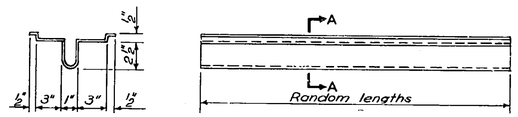
Scale 1½"=1'-0"

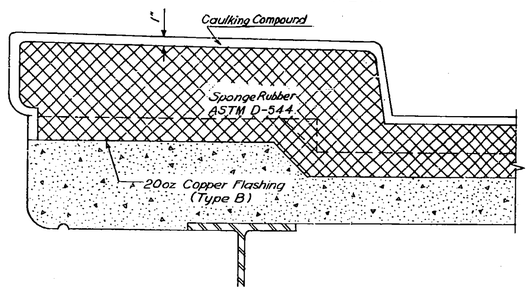


DETAIL OF JOINT OVER PIERS

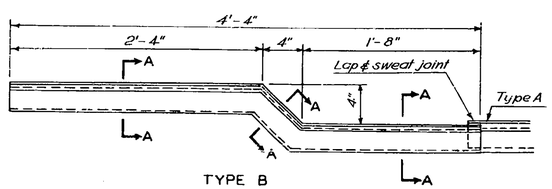
DETAILS OF JOINTS

Scale 1½" = 1'-0"

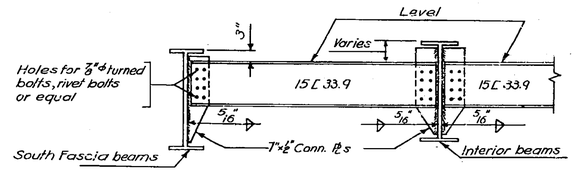




SECTION THRU SAFETY WALK AT JOINT



DETAILS OF 20 OZ. COPPER FLASHING FOR JOINTS



DIAPHRAGM DETAIL

Scale: ½"=1'-0"

MOHAWK THRUWAY
UNDER SCHENECTADY-DUANESBURG
P.T.I, S.H. 880 ON ROUTE 7
STA. 6100+81
SCHENECTADY COUNTY

STANDARD BRIDGE DETAILS

SCALE - AS SHOWN

Prepared and Recommended:
E. H. Harlow
E.H.HARLOW, VICE PRES. N.Y.STATE P. E. LIC. NO. 20747
Jan 5 '52
DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: W. Lush
Checked by: J. Talerico
Traced by: P. Piasecky
Tracing Chk by: W. Lush

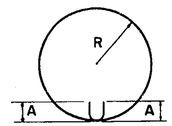
DWG. NO. 481-3-10E-1711

H11

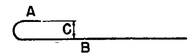
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			53	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				

LOCATION OF BARS	MARK	SIZE	NO. REQ'D.	LENGTH	TYPE	A	B	C	D	E	H	R	REMARKS
FOOTINGS & PILES	F1	¾"ϕ	198	6'-0"	Str.								Transverse Piers
	F2	1¼"□	72	23'-4"	Str.								Longitudinal "
	F3	1¼"□	36	32'-10"	Str.								" "
	F4	1¼"□	36	13'-10"	Str.								" "
	F5	1"ϕ	104	5'-6"	Str.								Transverse Abutment
	F6	¾"ϕ	40	24'-2"	Str.								Longitudinal "
	F7	1"ϕ	88	5'-0"	Str.								Transverse Wingwalls
	F8	¾"ϕ	32	17'-0"	Str.								Longitudinal "
	F9	½"ϕ	2082	3'-0"	I	4"						4½"	Hoops in Piles
	F10	¾"ϕ	144	27'-4"	II	8"	26'-8"	6"					Longitudinal Piles
	F11	¾"ϕ	120	20'-8"	II	8"	19'-8"	6"					" "
	F12	¾"ϕ	396	19'-4"	II	8"	18'-8"	6"					" "
	D1	1"□	96	7'-6"	III	6"	7'-0"	-					Dowels
	D2	1⅝"□	48	7'-6"	III	6"	7'-0"	-					"
ABUTMENTS, WINGWALLS & PYLONS	A1	¾"ϕ	40	5'-8"	Str.								Vertical Pylon
	A2	1"ϕ	32	4'-9"	Str.								Horizontal Pylon
	A3	¾"ϕ	24	12'-6"	III	1'-9"	10'-9"	-					Vertical Wingwalls
	A4	↑	12	22'-0"	III	10'-9"	6"	10'-9"					" "
	A5		28	8'-9"	Str.								" "
	A6		20	14'-6"	Str.								Horizontal Wingwalls
	A7		20	6'-0"	Str.								" "
	A8	↓	16	11'-0"	Str.								" "
	A9	1"ϕ	48	2'-9"	IV	2'-0"	9"					8¾"	Transverse Ramp Sidewalk
	A10	1"ϕ	16	11'-0"	Str.								Longitudinal " "
	A11	¾"ϕ	20	20'-9"	Str.								Horizontal Abutment
	A12	↑	20	24'-6"	Str.								" "
	A13		88	8'-9"	Str.								Vertical Abutment
	A14		72	8'-2"	III	2'-10"	2'-6"	2'-10"					Stirrup Pedestals
	A15	↓	36	5'-6"	Str.								Vertical "
PIER CAPS	G1	1¼"□	12	16'-5"	V	3'-2"	2'-1"	11'-2"				1'-4"	Transition - Cap
	G2	↑	18	17'-9"	V	3'-2"	2'-1"	12'-6"				1'-4"	" "
	G3		15	21'-4"	Str.								Longitudinal - Cap - Top
	G4	1¼"□	12	12'-0"	Str.								" " "
	G5	⅝"ϕ	36	7'-5"	VI	1'-9"	3'-11"					1'-3"	Horizontal Stirrups
	G6	1⅛"□	48	21'-0"	Str.								Longitudinal-Cap-Bot.
	G7	⅝"ϕ	36	20'-0"	Str.								Longitudinal-Cap-Side
	G8	½"ϕ	228	11'-8"	VII	4"	3'-8"	1'-10"					Vertical Stirrups
COLUMNS	P1	1"□	32	16'-0"	Str.								Vertical Columns
	P2	1"□	32	16'-6"	Str.								" "
	P3	1"□	32	17'-6"	Str.								" "
	P4	1⅛"□	16	16'-0"	Str.								" "
	P5	1⅛"□	16	16'-6"	Str.								" "
	P6	1⅛"□	16	17'-6"	Str.								" "
	P7	⅝"ϕ	126	8'-10"	I	3½"						1'-4"	Horizontal Hoops
STRUCTURAL SLAB	S1	⅝"ϕ	888	22'-10"	II	7"	22'-3"	5"					Transverse - Top
	S2	⅝"ϕ	444	18'-4"	Str.								" - Bot.
	S3	⅝"ϕ	444	26'-0	Str.								" - "
	S4	½"ϕ	320	22'-3"	Str.								Longitudinal - Top & Bot.
	S5	1"ϕ	320	30'-0"	Str.								" - " "
	S6	½"ϕ	328	5'-0"	VIII	6"	1'-5"	10"	1'-6"	9"			Vertical Stirrups
SIDEWALK	C1	½"ϕ	412	3'-10"	III	3'-1"	9"					8¾"	Transverse Sidewalk
	C2	½"ϕ	56	22'-3"	Str.								Longitudinal "
	C3	½"ϕ	56	30'-0"	Str.								" "

LOCATION OF BARS	MARK	SIZE	NO. REQ'D.	LENGTH	TYPE	A	B	C	D	E	H	R	REMARKS



TYPE I



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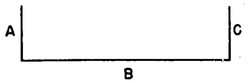

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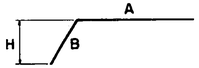

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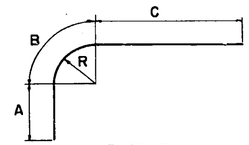

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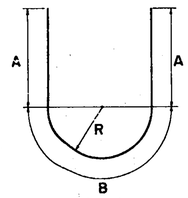
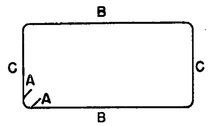
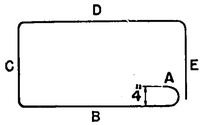


TYPE VI



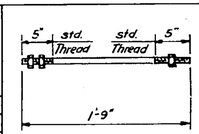
TYPE VII



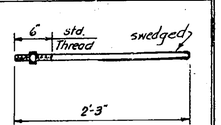
TYPE VIII

ANCHOR BOLT SCHEDULE - Item 29

MARK	SIZE	NO. REQ'D	LENGTH	NUTS SHAPE	NUTS NO. REQ'D	LOCATION
AB1	1"ϕ	204	1'-9"	Hex.	612	Railing
AB2	1"ϕ	96	2'-3"	Hex.	96	Bearings



MARK AB1



MARK AB2

REFERENCE DRAWINGS

Foundations - Plans & Sections	H4
Abutments - Plans, Sections & Details	H5
Piers - Elevation, Sections & Details	H6
Bridge Slab - Plan, Sections & Details	H8
Railing & Pylon Location	H9
Standard Bridge Details	H10

MOHAWK THRUWAY
UNDER SCHENECTADY-DUANESBURG
P.T.I, S. H. 880 ON ROUTE 7
STA. 6100+81
SCHENECTADY COUNTY

BAR SCHEDULE

NOTES

All dimensions are given out to out.
All bars shall be deformed.
No rerolled material will be accepted
Bar reinforcement shall be Item 28
Anchor bolts shall be Item 29.

Prepared and Recommended:
E. N. Harlow — Jan 5 '53
E.H.HARLOW, VICE PRES. N.Y. STATE P.E. LIC. NO. 20747 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: W. Lush
Checked by: J. Reynolds
Traced by: J. Reynolds
Tracing Chk by: W. Lush

DWG. NO. 481-3-10E-1712

M.T. 53-3 S.T 53-7

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			54	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				

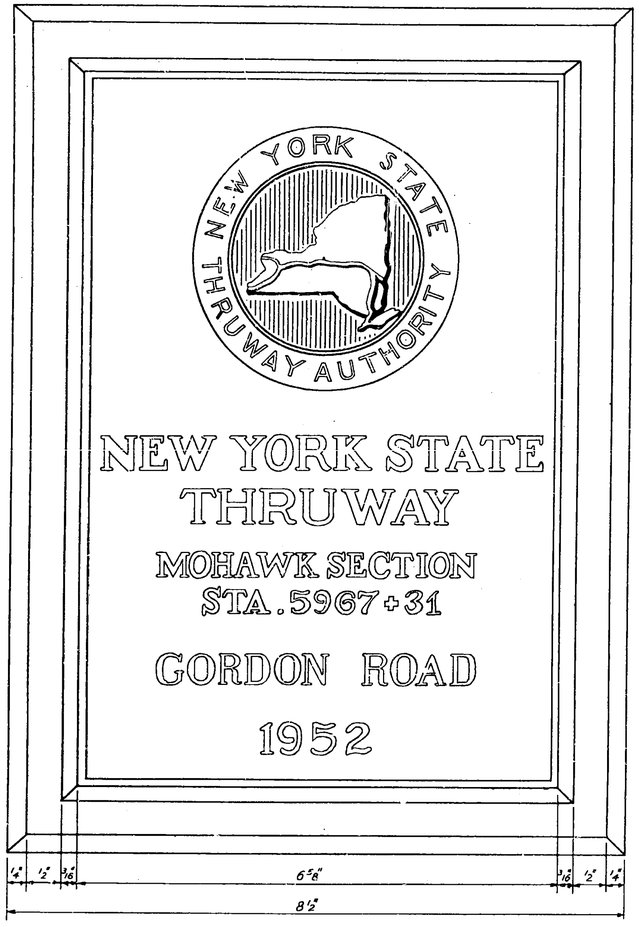
THE NEW YORK STATE THRUWAY AUTHORITY

NEW YORK STATE THRUWAY

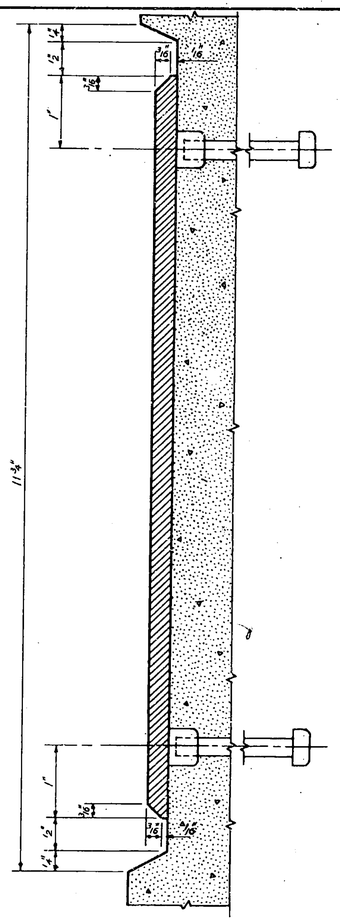
MOHAWK SECTION
STA. 5967+31

GORDON ROAD

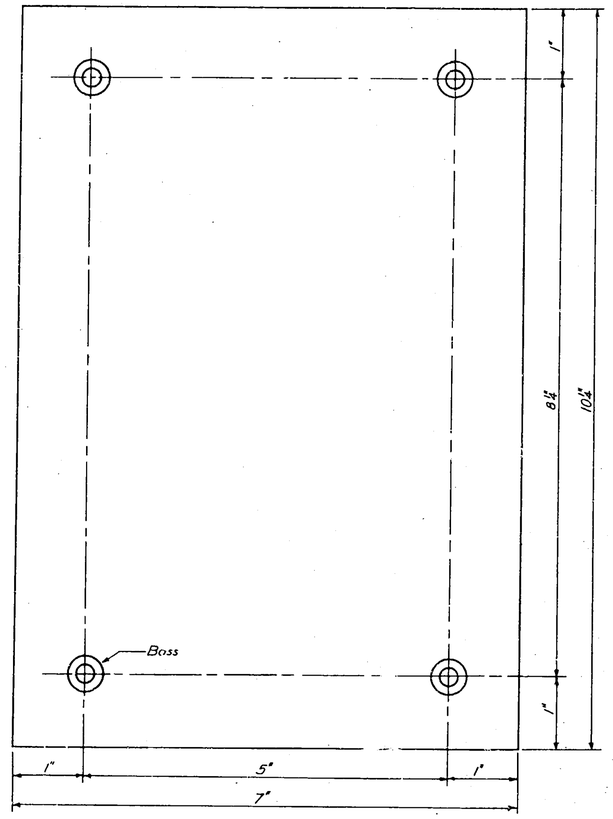
1952



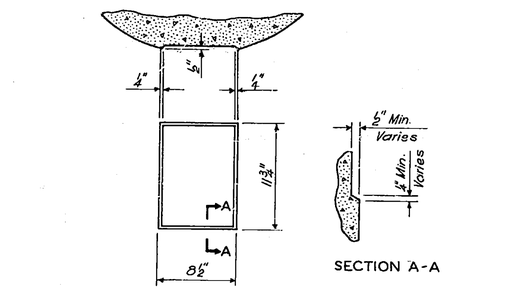
FRONT ELEVATION



VERTICAL SECTION

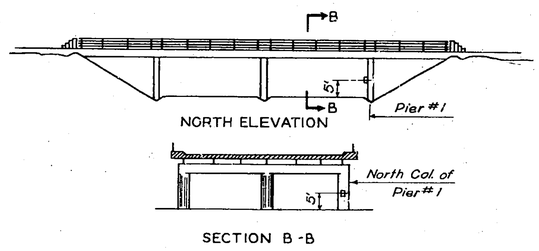


TEMPLATE



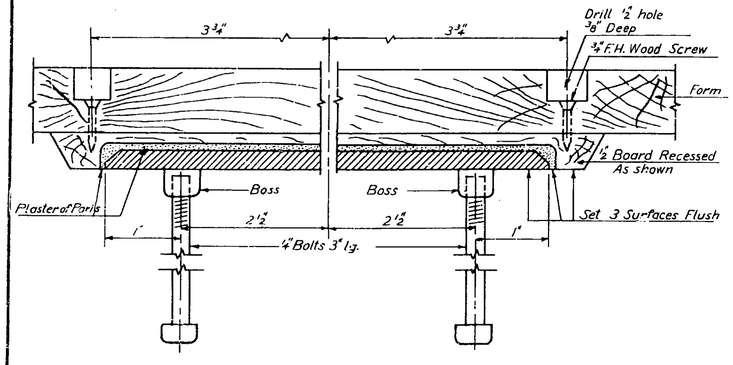
SECTION A-A

DETAIL OF NAME PLATE RECESS IN CURVED SURFACE



SECTION B-B

LOCATION OF IDENTIFICATION PLATE
Scale - None



HORIZONTAL SECTION

IDENTIFICATION PLATE
Scale - Full Size

NOTE

Cut and bevel a 1/2"x8 1/2" board to dimensions shown and gouge to form a recess about 3/16 deep and 1/8 larger than bronze plate. Fill recess in board with plaster of paris and set plate so that back of plate, surface of plaster and face of board form a smooth flush surface. Fasten to inside of form with wood screws. When concrete is being placed, very careful spading must be continued back of plate so that the surface of the panel will be free from bubble holes, pockets or exposed coarse aggregate. When removing forms, do not attempt to pull away the 1/2 board, but cut away both board and plaster after form has been removed.

REFERENCE DRAWINGS

MOHAWK THRUWAY
UNDER GORDON ROAD, CO. ROAD #32 R
STA. 5967+31
SCHENECTADY COUNTY

IDENTIFICATION PLATE

SCALE - AS SHOWN

DWG. NO. 481-3-10 E-901

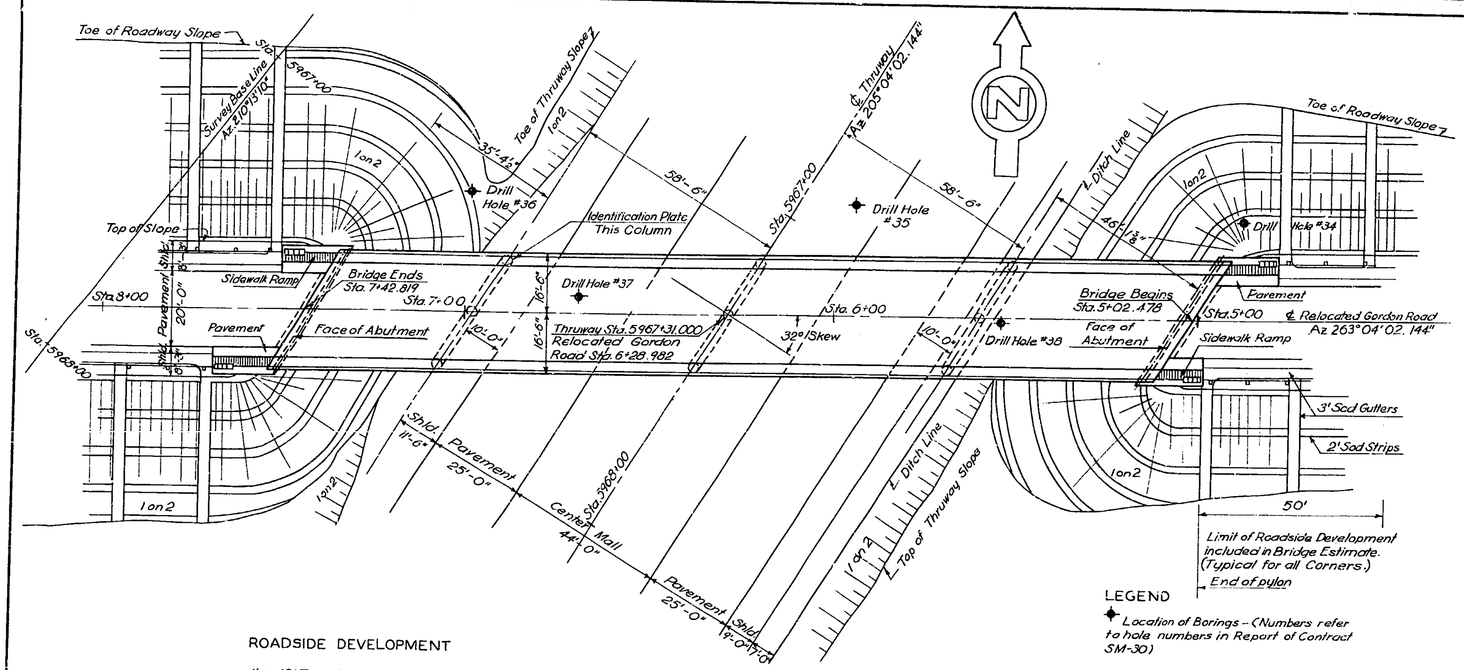
Prepared and Recommended:
E.N. Harlow — Jan 7 '53
E.N. HARLOW, VICE PRES. N.Y. STATE P.E. LIC. NO. 20747 — DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: W. Lush
Checked by: J. Talerico
Traced by: P. Piasecky
Tracing Chk by: J Talerico

J1

M.T. 58-3 S.T. 53-7

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			55	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



ROADSIDE DEVELOPMENT

Item 121 Topsoil placed from Stockpiles.
Item 123B Seeding on prepared areas.
Item 124 Sodding.

PLAN

Scale : 1" = 20'

LEGEND

✦ Location of Borings – (Numbers refer to hole numbers in Report of Contract SM-30)

ESTIMATE OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	COMBINED NEAT	COMBINED ROUND	SUPERSTRUCTURE NEAT	SUPERSTRUCTURE ROUND	SUBSTRUCTURE NEAT	SUBSTRUCTURE ROUND
5	Trench, Culvert & Bridge Excavation	C.Y.	355	390			354	390
15-2	Portland Cement Type 2	Bbl.	1014	1050	455	475	559	575
15 N	Natural Cement Type N	Bbl.	145	155	65	70	80	85
18	Class IA Concrete for Structures	C.Y.	609	630	244	255	365	375
19	Class IA Concrete for Railings	C.Y.	3	4			3	4
* 25F	Steel Fabric Reinforcement	S.Y.	695	720	695	720		
28	Bar Reinforcement for Structures	Lbs.	101357	102340	57737	57410	43620	44930
28B	Spiral bar shear Connectors	Lbs.	2547	2630	2547	2630		
29	Structural Steel	Lbs.	261088	268925	261088	268925		
37	Metal Railing	L.F.	510	525	510	525		
47B	Cement Concrete Pavement	C.Y.	78	80	78	80		
79	Dry Stone Paving	S.Y.	470	485			470	485
85C	Cast in place Concrete Piles	L.F.	1083	1120			1083	1120
87	Furnishing Equipment for Driving Piles	Nec.	Nec.	Nec.			Nec.	Nec.
121	Topsoil placed from Stockpiles	C.Y.	229	255			229	255
123B	Seeding on prepared Areas	Acres	0.426	0.500			0.426	0.500
124	Sodding	S.Y.	550	605			550	605
62	Membrane Waterproofing	S.Y.	61	65			61	65
63	Protection Course for Membrane Waterproofing	S.Y.	61	65			61	65

* Steel Fabric Reinforcement shall be furnished in flat sheets.

GENERAL NOTES

All concrete except in Pavement & pylons shall be Item 18.

Concrete in Pavement shall be Item 47 B "Cement Concrete Pavement" (Natural cement type N Item 15-N and Portland Cement type 2 Item 15-2)

Concrete in pylons shall be Item 19 "Class I A Concrete for Railings".

The cost of furnishing and installing caulking compound, Item 71B, premoulded bituminous joint material, sponge rubber joint material & copper flashing shall be included in the prices bid for various items in this contract.

After the concrete is cured, the contractor shall apply a waterproofing oil treatment, as described in the specifications for M 41 W, to all exposed surfaces, except on the underside of slabs. Two coats of waterproofing oil treatment shall be applied to the top of the slab, the second coat shall be applied two days prior to the placing of the Pavement or Sidewalk (Prices to be included in the Unit Price for Concrete Slabs).

Two ply Membrane Waterproofing shall be applied at all joints as shown on details and shall not be exposed without protection longer then 24 hours. Membrane Waterproofing at abutments & wingwalls shall be protected against damage during backfilling.

Material & fabrication: Specifications of New York State Department of Public Works dated Jan. 2, 1951 & current modifications & additions.

Design Specifications: AASHO 1949.

Loading H20-S16-44

The contractor's attention is directed to the specifications for this structure which appear in the Proposal. Particular attention is directed to the special notes which briefly outline the anticipated sub-surface conditions at the site of the structures & which specify certain requirements relative to the construction. No construction joints other than those shown on the plans shall be permitted without written permission of the Deputy Chief Engineer (Bridges).

Where caulking compound is to be used, the sides of the joints shall be primed with a material satisfactory to the manufacturer of the caulking compound, 20 to 30 minutes before the compound is placed. All joints must be thoroughly clean & dry before the priming coat is applied. Work must be performed by experienced men in this type of work.

Concrete surfaces at construction joints shall be thoroughly cleaned, brushed & wetted down before new concrete is placed. All concrete pours shall be continuous between construction joints.

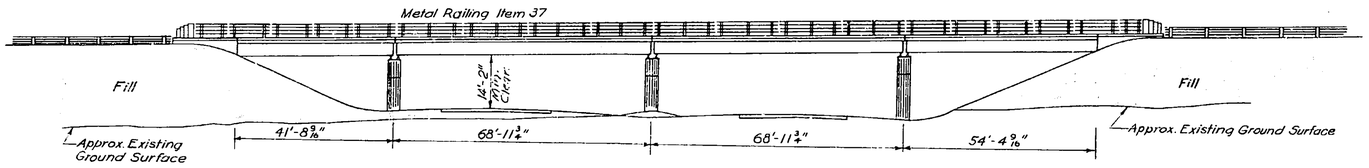
Field connections may be made with turned bolts or approved equal.

Immediately before placing wearing surface concrete, the concrete surface upon which it is to be placed shall be thoroughly wetted down continuously for one hour, if the air temperature is above 50° F.

Sponge rubber shall meet the requirements of the standard specifications for Preformed Expansion Joint Fillers for concrete, A.S.T.M. Designation D-544.

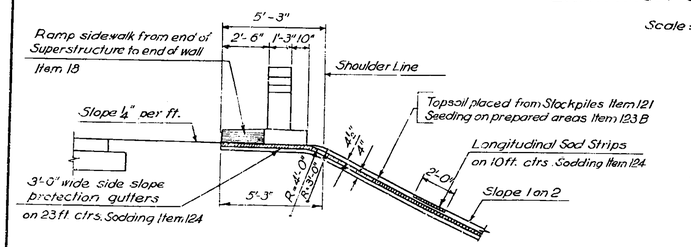
Where steel exceeding one inch in thickness to be welded, electrodes of classification number E 6015 or E 6016 shall be used.

For design purposes, the assumed load per pile does not exceed 30 tons.
Maximum bearing capacity of the soil does not exceed 3 tons per sq. ft.
Chamfer exposed edges ¾" unless noted otherwise.
For Reinforcement Notes see sheet J15
All anchor bolts shall be accurately set and securely held in position in the forms while concrete is being placed.



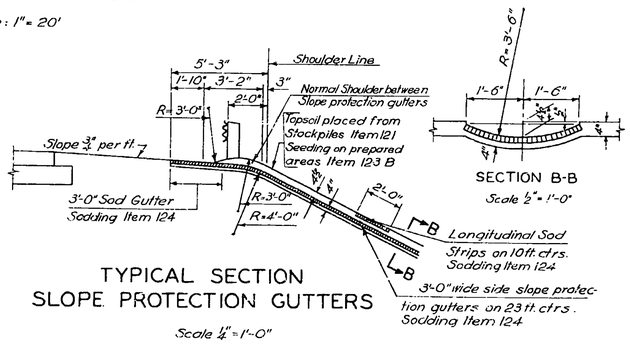
ELEVATION SOUTH SIDE

Scale : 1" = 20'



TYPICAL SECTION THRU GUTTER AT END OF WALL

Scale ¼" = 1'-0"



TYPICAL SECTION SLOPE PROTECTION GUTTERS

Scale ¼" = 1'-0"

SECTION B-B

Scale ½" = 1'-0"

LIST OF DRAWINGS

TITLE	SHEET NO.
Identification Plate	J1
General Plan, Elevation & Notes	J2
Profiles & Sections	J3
Foundations-Plans, Sections & Details	J4
Footing Reinforcement	J5
Abutment Masonry-Plans, Sections & Details	J6
Abutment Reinforcement-Plans, Sections & Details	J7
Piers-Elevations, Sections & Details	J8
Beams & Diaphragms-Plans, Sections & Details	J9
Bridge Slab-Plan, Sections & Details	J10
Railing & Pylon Location	J11
Railing & Pylon Location	J12
Standard Bridge Details	J13
Standard Bridge Details	J14
Bar Schedule	J15

MOHAWK THRUWAY
UNDER GORDON ROAD, CO. ROAD #32 R
STA. 5967+31
SCHENECTADY COUNTY

GENERAL PLAN
ELEVATION & NOTES

SCALE: AS SHOWN

DWG. 481-3-10E-902

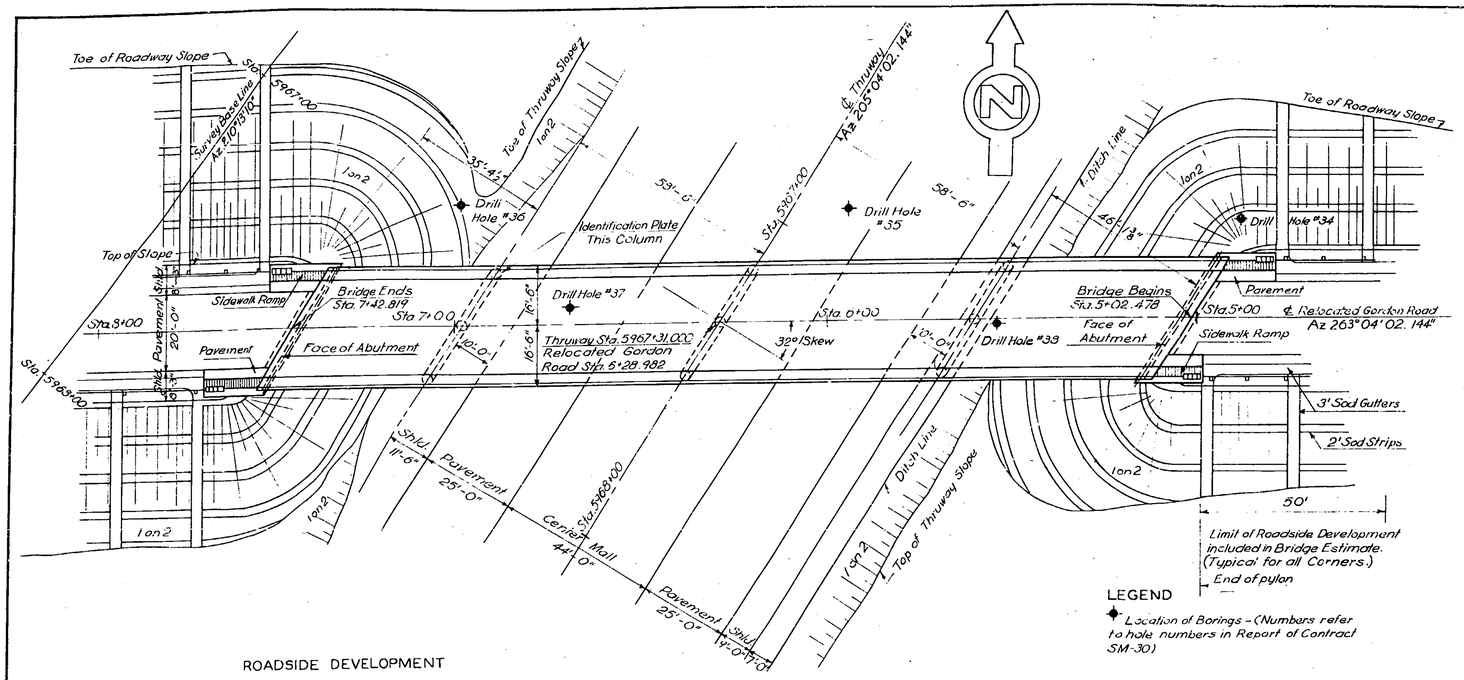
Prepared and Recommended:
E.H. Harlow
E.H HARLOW, VICE PRES. N.Y. STATE P.E. LIC. NO. 20747
1 mo 7 '59
DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: J. Ferenz
Checked by: J. Talerico
Traced by: D. Corbin
Tracing Chk by: W. Lush

J2

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			55	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				

552



LEGEND

✦ Location of Borings – (Numbers refer to hole numbers in Report of Contract SM-30)

PLAN

Scale : 1" = 20'

ROADSIDE DEVELOPMENT

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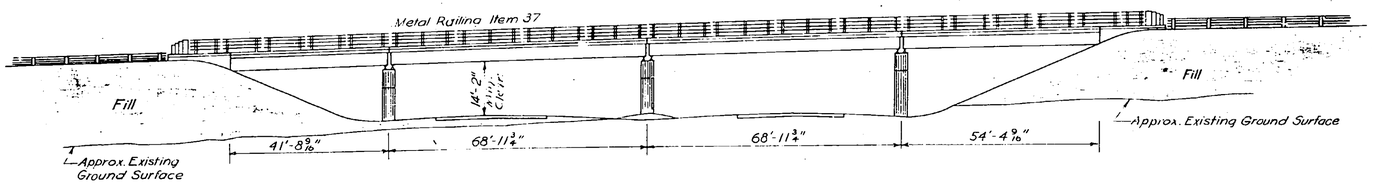
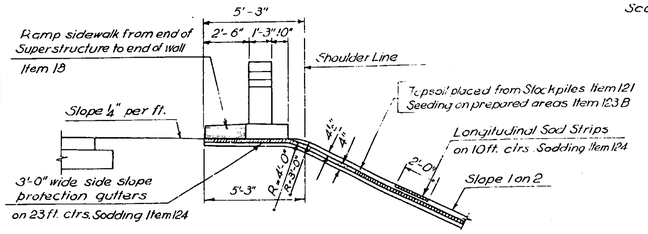


ELEVATION SOUTH SIDE

Scale : 1" = 20'



TYPICAL SECTION THRU GUTTER AT END OF WALL

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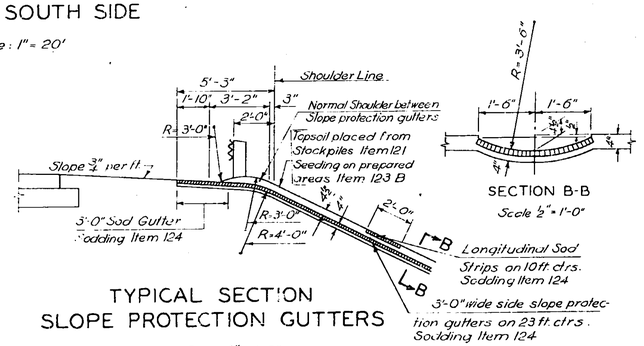

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LIST OF DRAWINGS

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MOHAWK THRUWAY
UNDER GORDON ROAD, CO. ROAD #32 R
STA. 5967+31
SCHENECTADY COUNTY

GENERAL PLAN
ELEVATION & NOTES

SCALE: AS SHOWN

DWG. 481-3-10E-902

Prepared and Recommended:
E.H. HARLOW, VICE PRES. N.Y. STATE P.E. LIC. NO. 20747 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

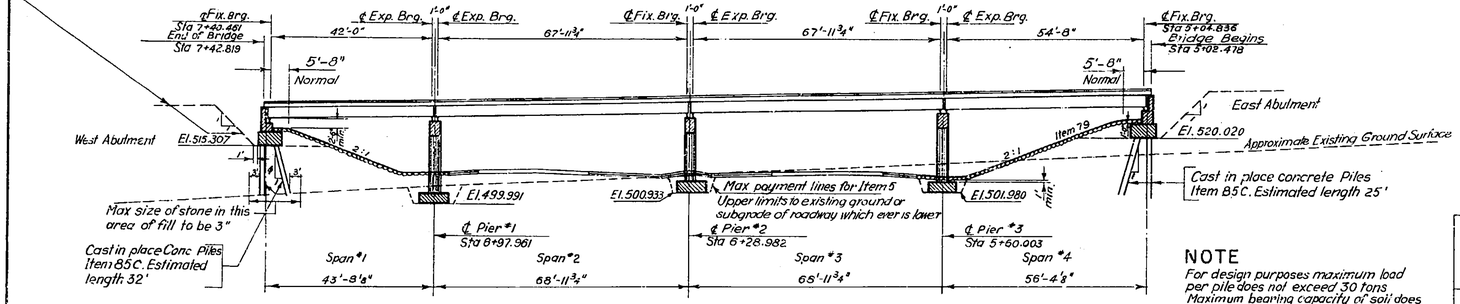
In Charge of: R. Harris
Made by: J. Ferenz
Checked by: J. Talarico
Traced by: D. Cerbin
Tracing Checked by: W. Ellison

J2

M.E. 3?5 S.T 56-7

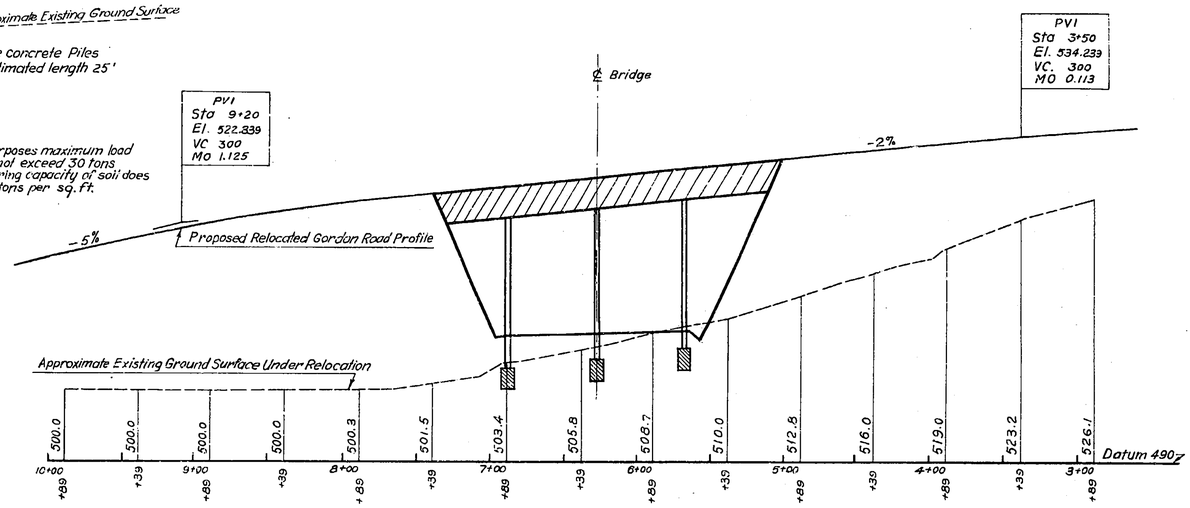
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			56	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				

Fill to these upper limits shall be placed and consolidated in a manner and for a period of time satisfactory to the Deputy Chief Engineer, Bridges, before piles are driven

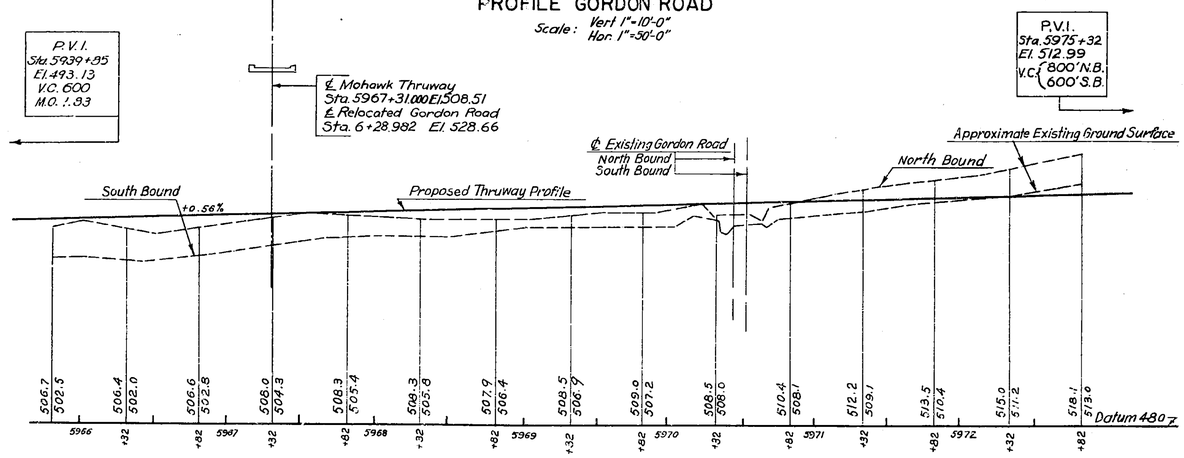


LONGITUDINAL SECTION
Scale 1"=20'-0"

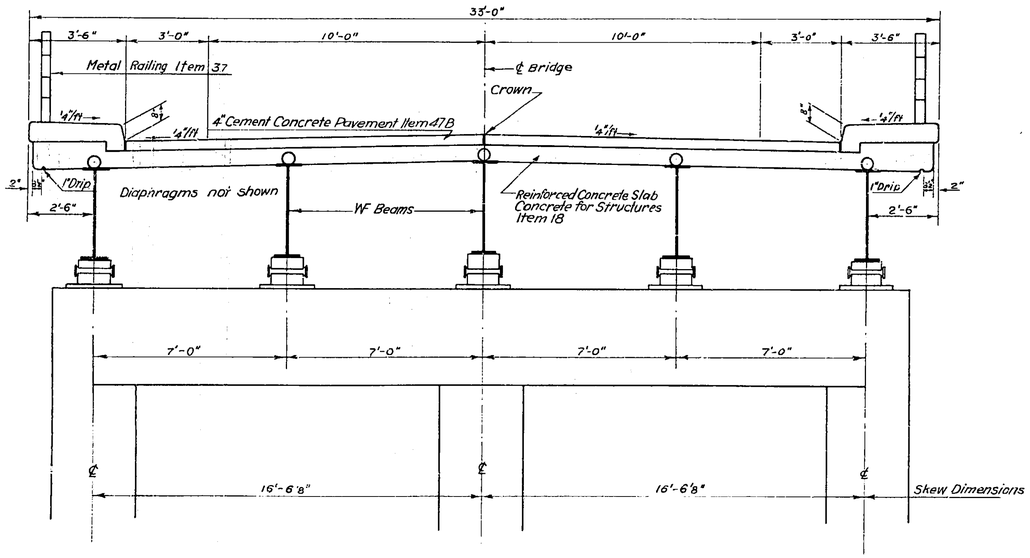
NOTE
For design purposes maximum load per pile does not exceed 30 tons Maximum bearing capacity of soil does not exceed 3 tons per sq. ft.



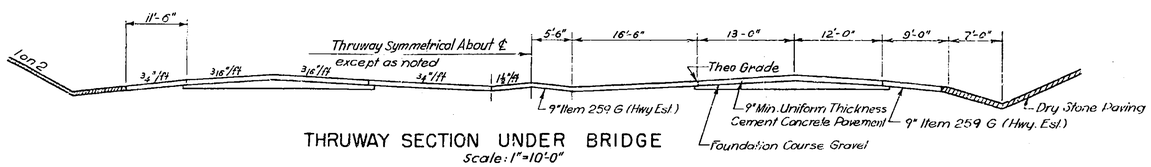
PROFILE GORDON ROAD
Scale: Vert 1"=10'-0" Hor. 1"=50'-0"



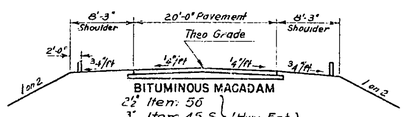
THRUWAY PROFILE
Scale: Vert 1"=10'-0" Horiz 1"=50'-0"



TYPICAL SECTION THROUGH SUPERSTRUCTURE
Scale ⅜"=1'-0"



THRUWAY SECTION UNDER BRIDGE
Scale: 1"=10'-0"



APPROACH SECTION
GORDON ROAD CO. ROAD #32 R
Scale 1"=10'-0"

MOHAWK THRUWAY
UNDER GORDON ROAD, CO. ROAD #32 R
STA. 5967+31
SCHENECTADY COUNTY

PROFILES & SECTIONS

SCALE AS SHOWN

Prepared and Recommended:
E.H. Harlow
E.H.HARLOW VICE PRES. N.Y. STATE P. E. LIC. NO. 20747
DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: J. Ferenz
Checked by: J. Talerico
Traced by: O. Corbin
Tracing Chk by: W. Lush

DWG. NO. 481-3-10E-903

J3

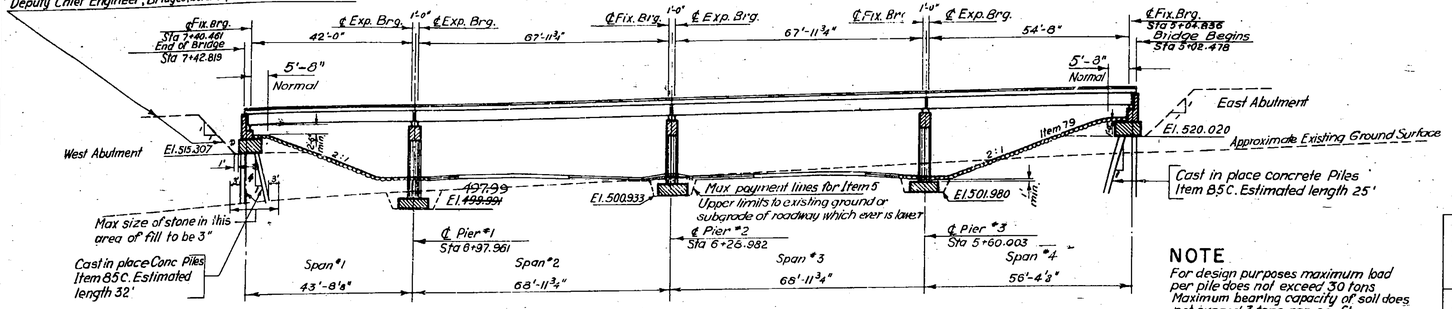
M.T. S.T 58-7

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			56	157

N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1

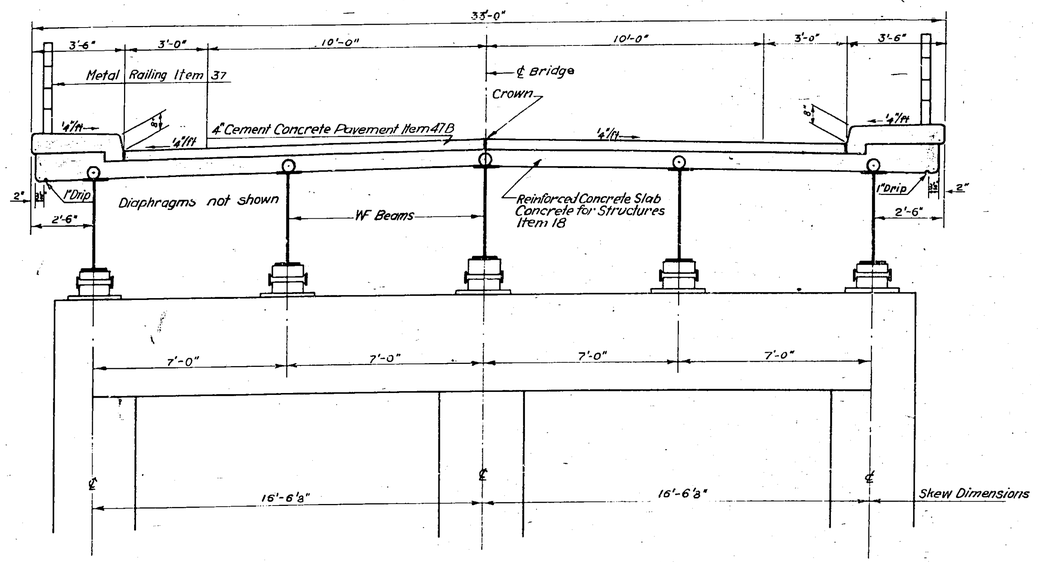
56R

Fill to these upper limits shall be placed and consolidated in a manner and for a period of time satisfactory to the Deputy Chief Engineer, Bridges, before piles are driven

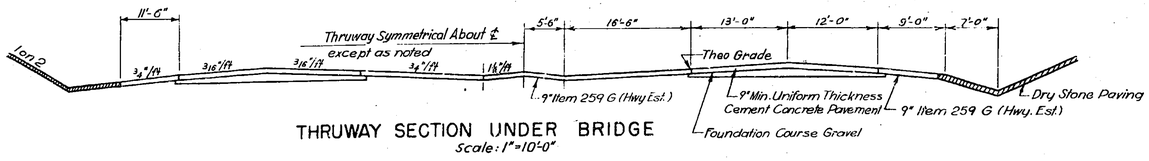


LONGITUDINAL SECTION
Scale 1"=20'-0"

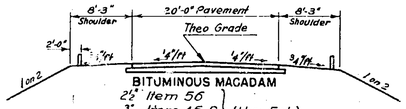
NOTE
For design purposes maximum load per pile does not exceed 30 tons Maximum bearing capacity of soil does not exceed 3 tons per sq. ft.



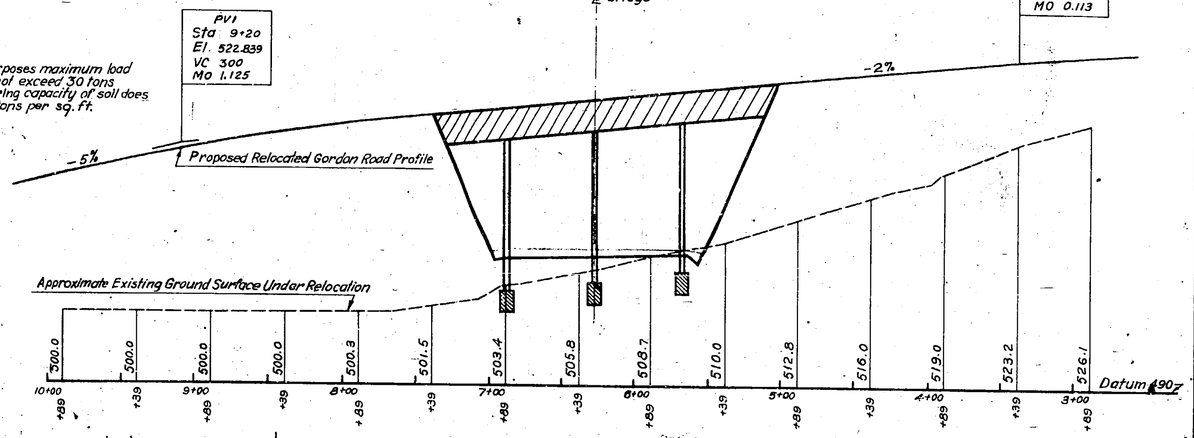
TYPICAL SECTION THROUGH SUPERSTRUCTURE
Scale ⅜"=1'-0"



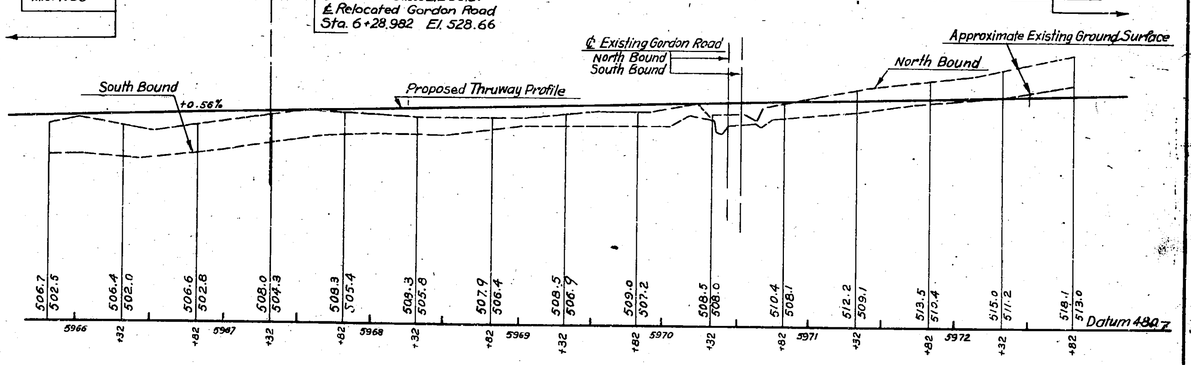
THRUWAY SECTION UNDER BRIDGE
Scale: 1"=10'-0"



APPROACH SECTION
GORDON ROAD CO. ROAD #32 R
Scale 1"=10'-0"



PROFILE GORDON ROAD
Scale: Vert 1"=10'-0"
Hor. 1"=50'-0"



THRUWAY PROFILE
Scale: Vert. 1"=10'-0"
Horiz. 1"=50'-0"

MOHAWK THRUWAY
UNDER GORDON ROAD, CO. ROAD #32 R
STA. 5967+31
SCHENECTADY COUNTY

PROFILES & SECTIONS

SCALE AS SHOWN

DWG. NO. 481-3-10E-903

Prepared and Recommended:
E.H. Harlow
E.H. HARLOW VICE PRES. N.Y. STATE P.E. LIC. NO. 20747 DATE
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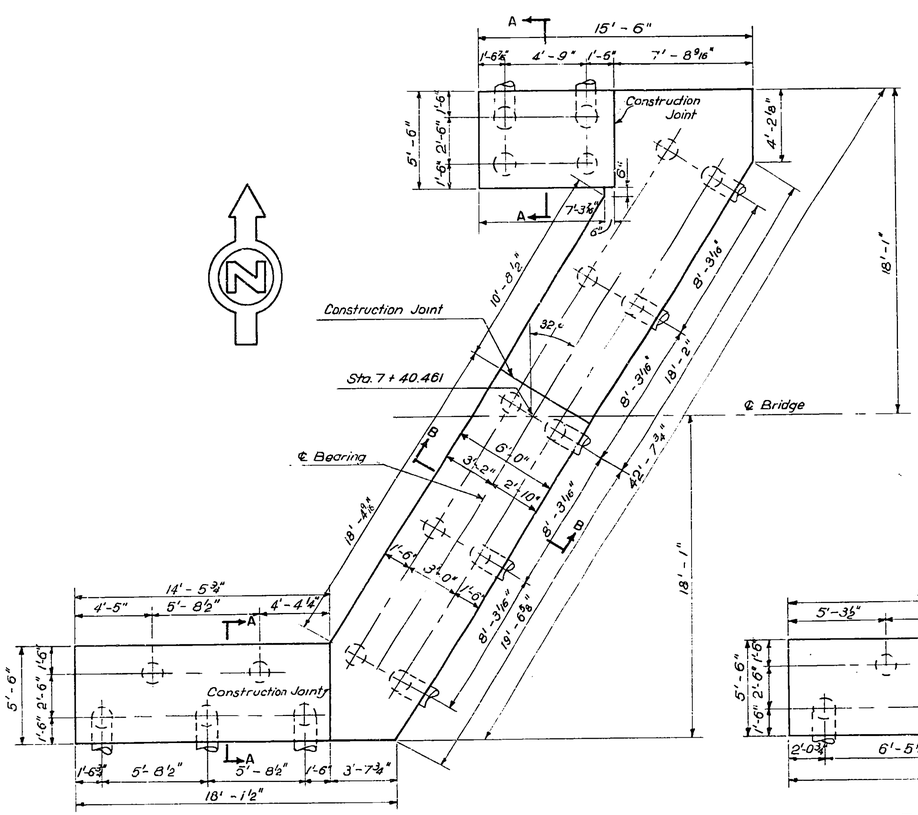
13

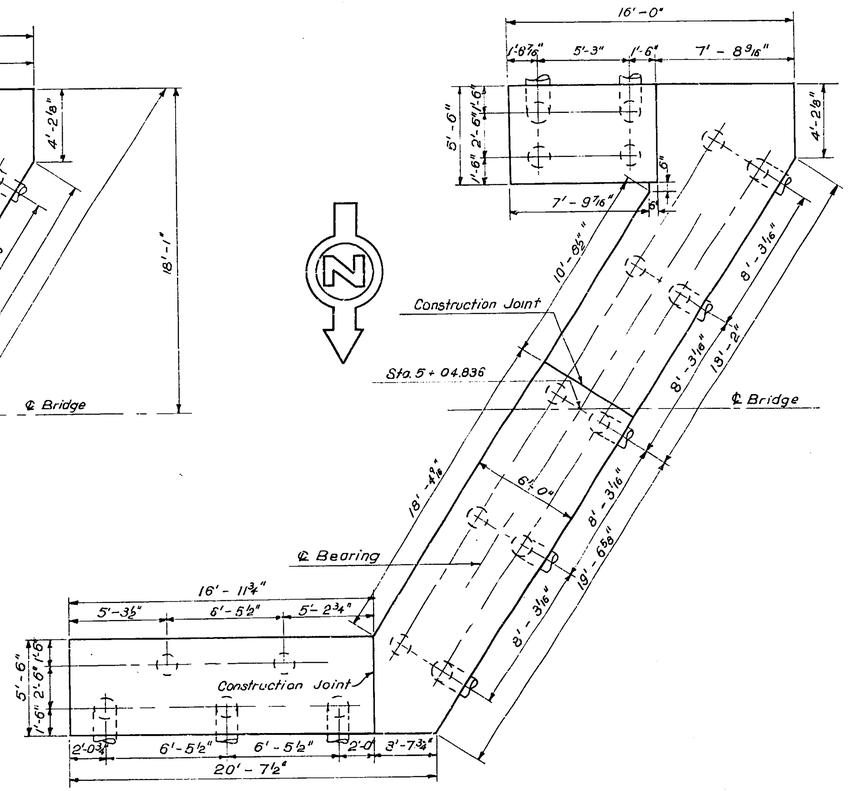
M.T. 58-3 S.T 58-7

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			57	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



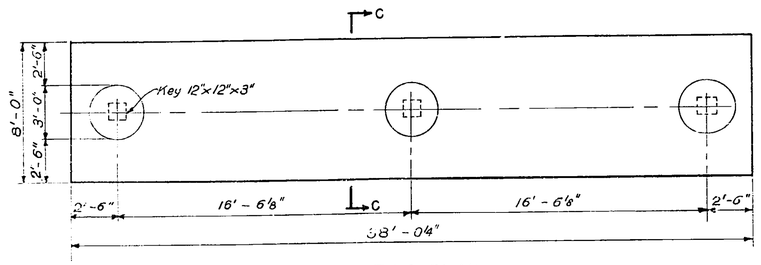
WEST ABUTMENT PILE PLAN

Scale ¼" = 1'-0"



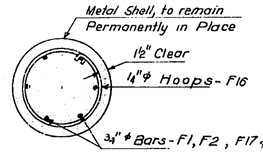
EAST ABUTMENT PILE PLAN

Scale ¼" = 1'-0"



PIER FOOTING PLAN

Scale ¼"=1'-0"

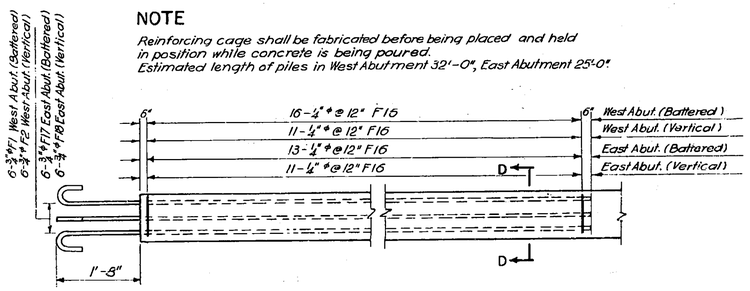


SECTION D-D

Scale None

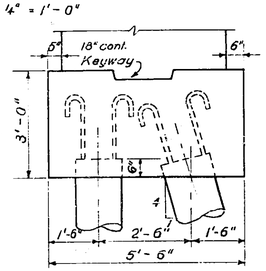
NOTE

Reinforcing cage shall be fabricated before being placed and held in position while concrete is being poured.
Estimated length of piles in West Abutment 32'-0", East Abutment 25'-0"



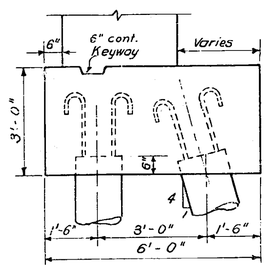
PILE REINFORCEMENT DETAIL

Scale None



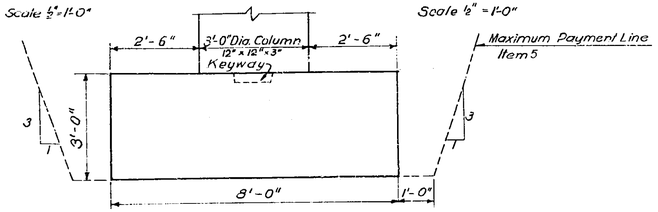
SECTION A—A

Scale ½"=1'-0"



SECTION B—B

Scale ½" = 1'-0"



SECTION C-C

Scale ½" = 1'-0"

NOTES

All concrete shall be Item 18.
Bar reinforcement shall be Item 28.
Cast-in-place Concrete piles Item 85C

REFERENCE DRAWINGS

General Plan, Elevation & Notes	J2
Profiles & Sections	J3
Footing Reinforcement-Plans & Sections	J5
Abutment Masonry-Plans, Sections & Det.	J6
Abutment Reinforcement-Plans, Sect. & Det.	J7
Bar Schedule	J15

MOHAWK THRUWAY
UNDER GORDON ROAD, CO. ROAD #32 R
STA. 5967+31
SCHENECTADY COUNTY

FOUNDATIONS
PLANS, SECTIONS & DETAILS

SCALE AS SHOWN

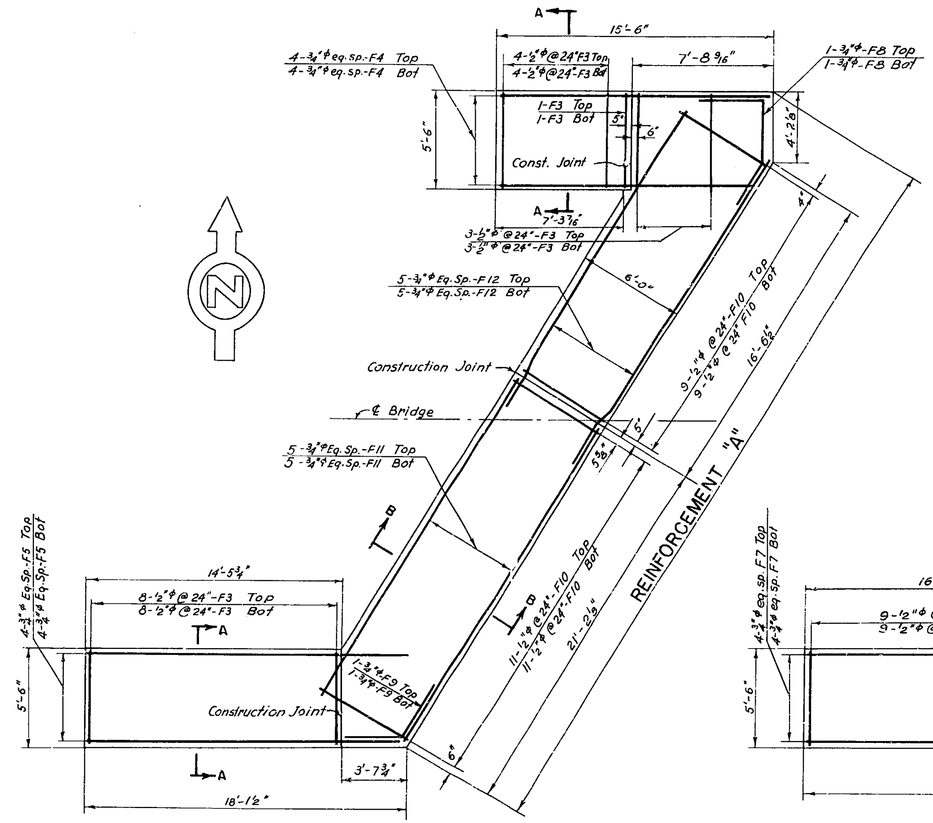
DWG. NO. 481-3-10E-904

Prepared and Recommended:
E. H. HARLOW VICE PRES., N.Y. STATE P.E. LIC. NO. 20747 — DATE Jan 1 '58
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: J. Rubel
Checked by: W. Lush
Traced by: W. Chamula
Tracing Chk by: W. Lush

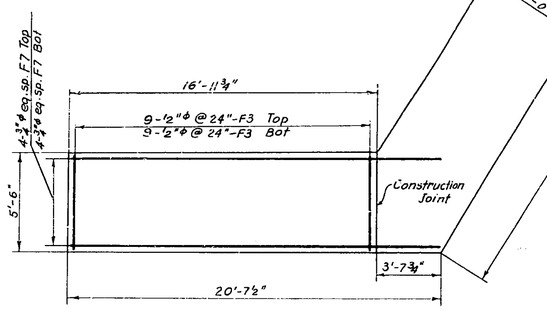
M.T. 53-3 S.T. 53-7

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			58	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



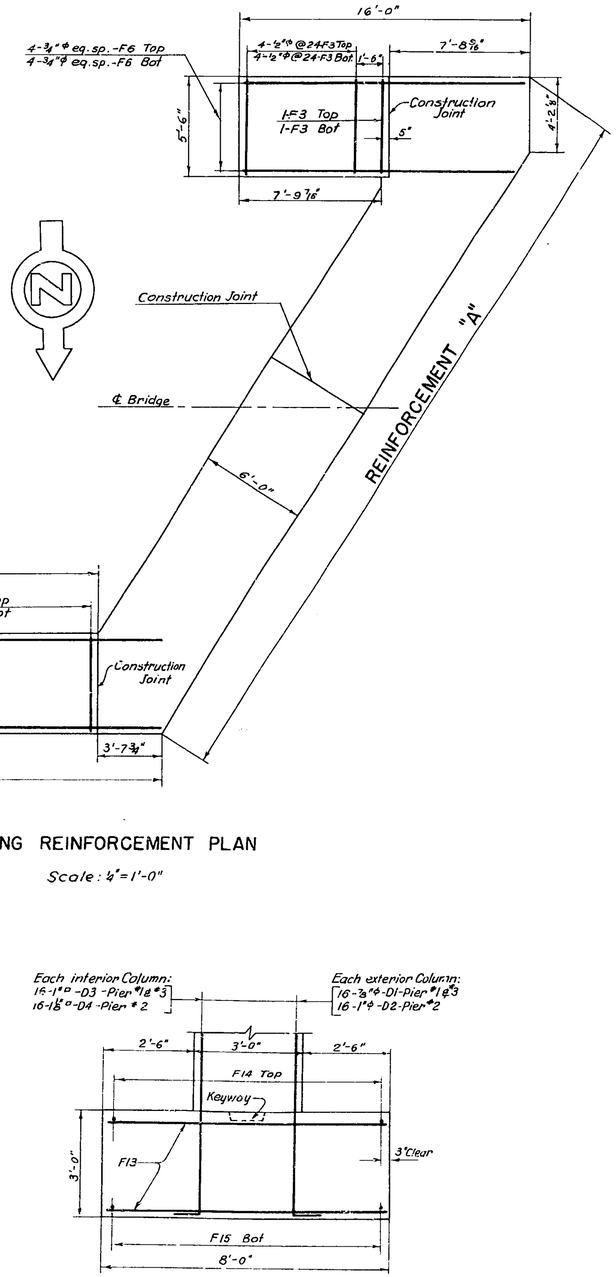
WEST ABUTMENT FOOTING REINFORCEMENT PLAN

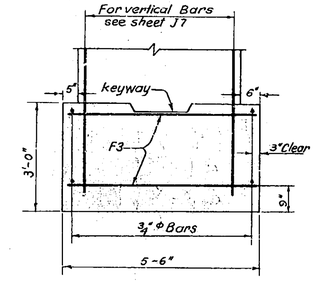
Scale: 4"=1'-0"



EAST ABUTMENT FOOTING REINFORCEMENT PLAN

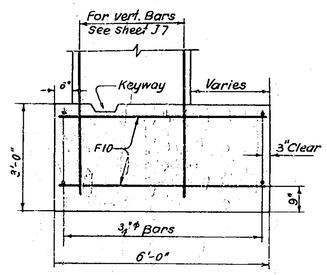
Scale: 4"=1'-0"





SECTION A-A

Scale: 1/2"=1'-0"

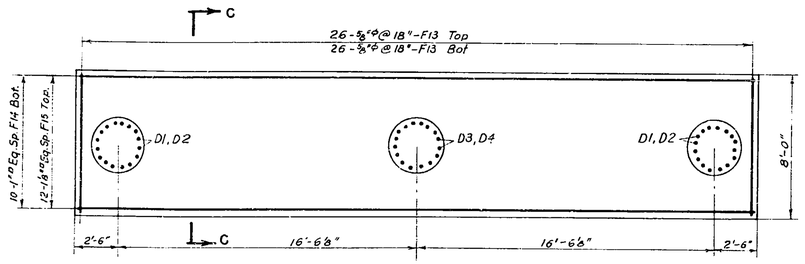


SECTION B-B

Scale: 1/2"=1'-0"

NOTES

All concrete shall be Item 18
Bar Reinforcement Item 28
Placing dimensions are given center to center of bars unless noted otherwise
Concrete cover for reinforcement shall be 3" minimum.
Minimum lap length for splices shall be 40 bar diameters.



PIER FOOTING REINFORCEMENT PLAN

Scale: 4"=1'-0"

SECTION C-C

Scale: 1/2"=1'-0"

REFERENCE DRAWINGS

General Plan, Elevation & Notes J2
Profiles & Sections J3
Foundations -Plans & Sections J4
Abutment - Masonry J6
Abutment - Reinforcement J7
Bar Schedule J15

MOHAWK THRUWAY
UNDER GORDON ROAD, CO. ROAD #32 R
STA. 596+31
SCHENECTADY COUNTY

FOOTING REINFORCEMENT

PLANS & SECTIONS

SCALE AS SHOWN

Prepared and Recommended:

E.W. Harlow — Jan 7 '54
E.W. HARLOW, VICE PRES. N.Y. STATE P.E. LIC. NO. 20747 — DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

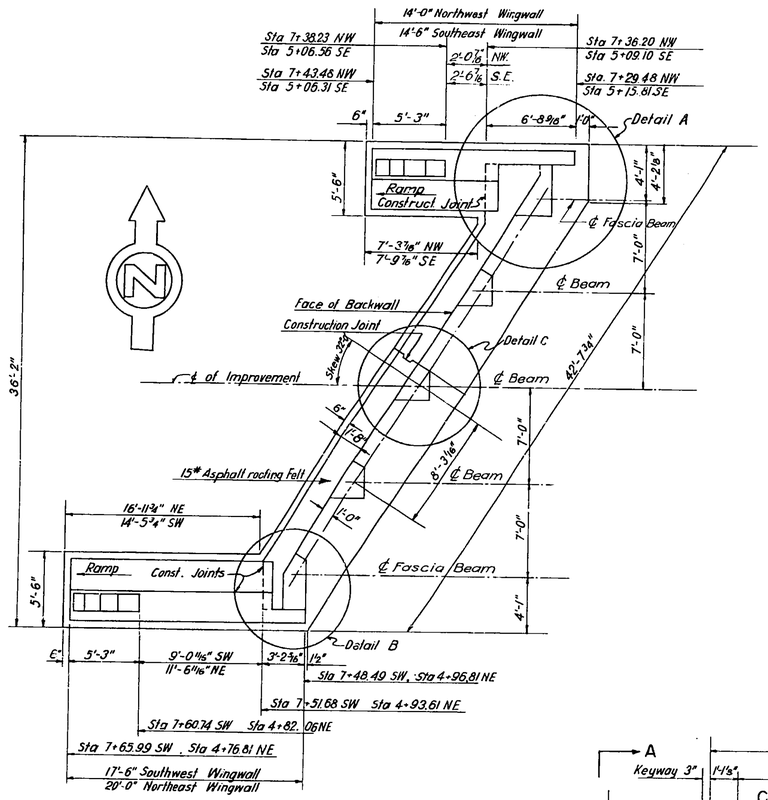
In Charge of: R. Harris
Made by: J. Rubel
Checked by: W. Lush
Traced by: W. Olijnik
Tracing Chk by: W. Lush

DWG. NO. 481-3-10 E 905

24:1

M.I. 56-3 S.T. 55-7

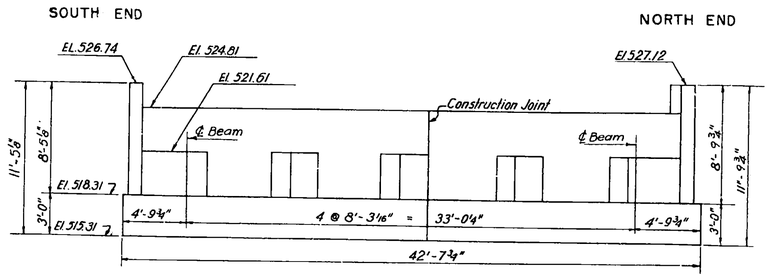
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			59	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



WEST ABUTMENT PLAN

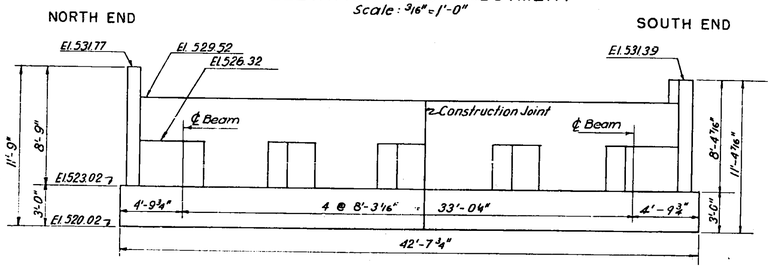
EAST ABUTMENT PLAN SIMILAR

Scale: 3/16"=1'-0"



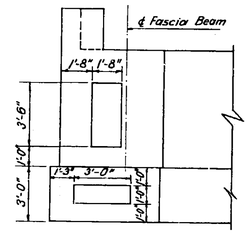
ELEVATION WEST ABUTMENT

Scale: 3/16"=1'-0"



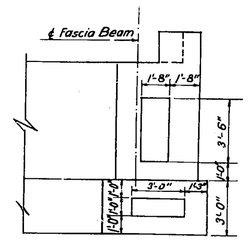
ELEVATION EAST ABUTMENT

Scale: 3/16"=1'-0"



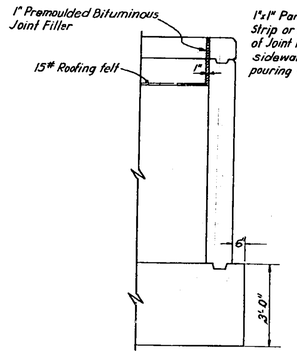
SECTION A-A

Scale: 1/4"=1'-0"



SECTION B-B

Scale: 1/4"=1'-0"



SECTION C-C

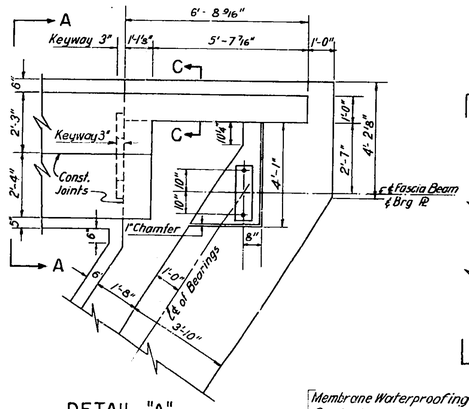
Scale 3/8"=1'-0"

NOTES

All Concrete in Abutment Walls, Wingwalls & Pedestals, Item 18.
Anchor Bolts Item 29.
Membrane Waterproofing Item 62.
Protection Course for Membrane Waterproofing Item 63
For Location of anchor bolts, see details "A" "B", & "C". See also anchor bolt Location detail and Section 'D-D' on sheet J8.

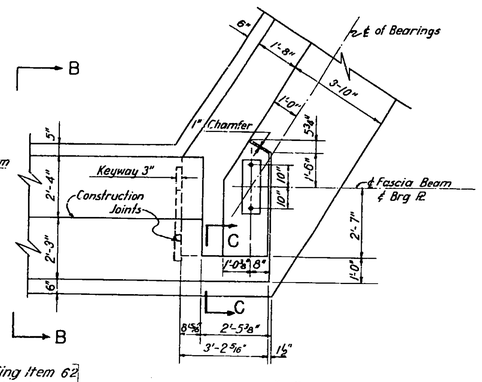
REFERENCE DRAWINGS

General Plan, Elevation & Notes. J2
Profiles & Sections. J3
Foundations – Plans & Sections. J4
Footings – Reinforcement. J5
Abutment Reinforcement. J7
Standard Bridge Details. J13
Standard Bridge Details. J14
Bar Schedule. J15



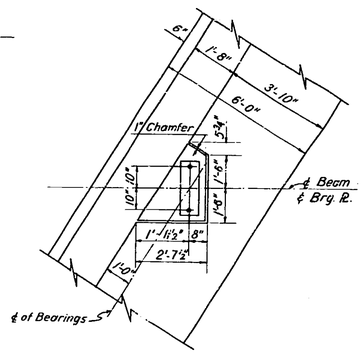
DETAIL "A"

Scale: 3/8"=1'-0"



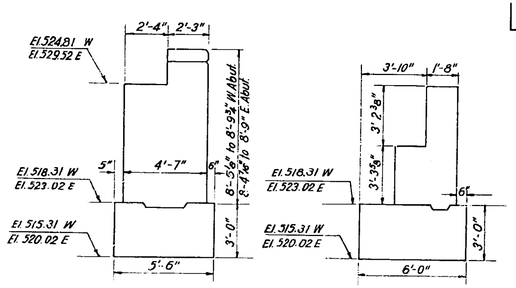
DETAIL "B"

Scale 3/8"=1'-0"



DETAIL "C"

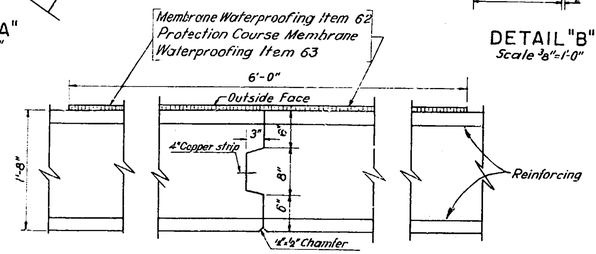
Scale 3/8"=1'-0"



WINGWALL ABUTMENT

TYPICAL SECTIONS

Scale: 1/4"=1'-0"



ABUTMENT VERTICAL CONSTRUCTION JOINT DETAIL

Scale: 1"=1'-0"

MOHAWK THRUWAY
UNDER GORDON ROAD, CO. ROAD #32R
STA. 5967+31
SCHENECTADY COUNTY

ABUTMENT MASONRY
PLANS, SECTIONS & DETAILS
SCALE AS SHOWN

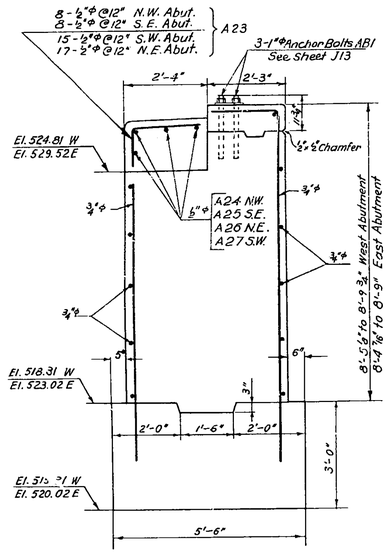
Prepared and Recommended:
E.H. HARLOW VICE PRES. N.Y. STATE P.E. LIC. NO. 20747 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R Harris
Made by: J. Rubel
Checked by: W. Lush
Traced by: G.M. Karatchansky
Tracing Chk by: W. Lush

DWG. NO. 481-3-10E-906

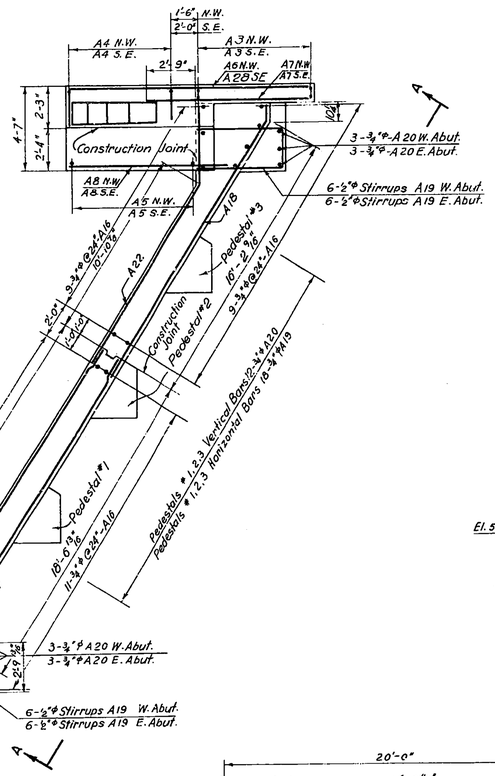
M.T. 53-3 S.T 53-7

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			60	157
N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



TYPICAL WINGWALL SECTION

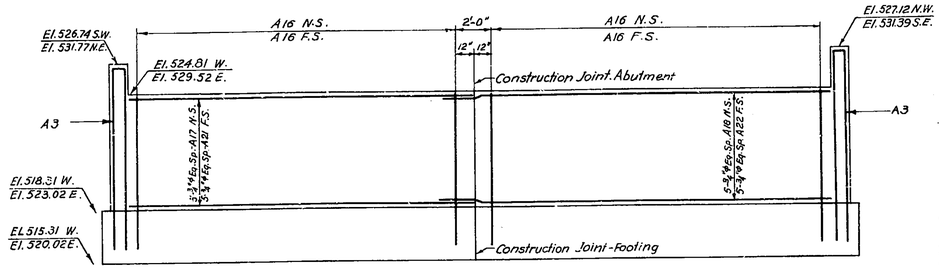
Scale ½"=1'-0"



PLAN OF WEST ABUTMENT

PLAN OF EAST ABUTMENT SIMILAR

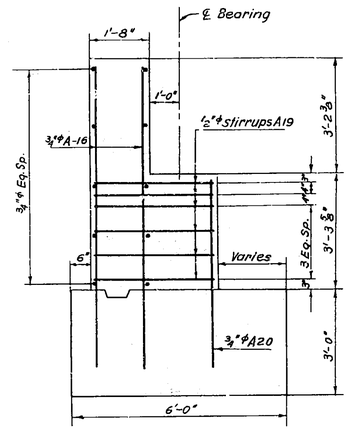
Scale: ¼"=1'-0"



WEST ABUTMENT ELEVATION A-A

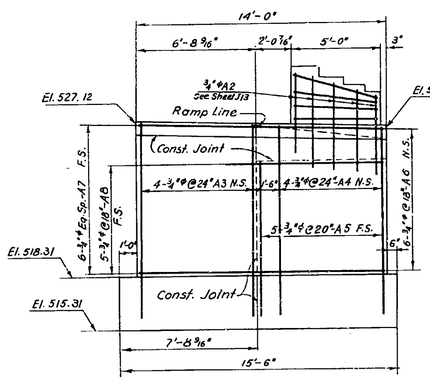
EAST ABUTMENT ELEVATION SIMILAR

Scale 4"=1'-0"



TYPICAL ABUTMENT SECTION THRU PEDESTAL

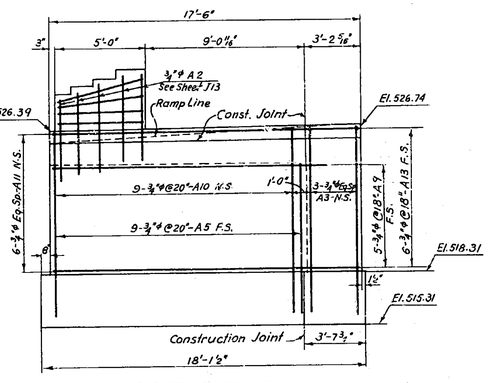
Scale ½"=1'-0"



FRONT ELEVATION

NORTH WING—WEST ABUTMENT

Scale: ¼"=1'-0"



FRONT ELEVATION

SOUTH WING—WEST ABUTMENT

Scale: ¼"=1'-0"

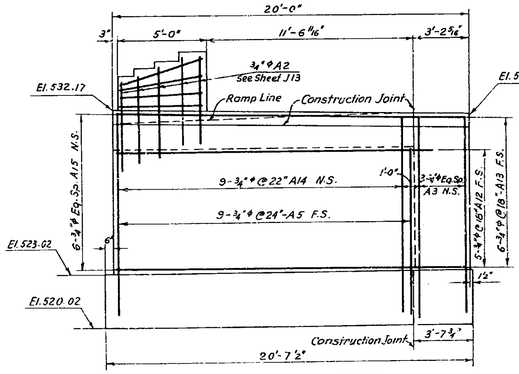
NOTES

N.S.- Near Side
F.S.-Far Side
Concrete in Abutment, wingwalls & Sidewalk ramps shall be Item 18.
Concrete in pylons shall be Item 19.
Bar reinforcement shall be Item 28.

REFERENCE DRAWINGS

General Plan, Elevations & Notes ..... J 2
Profiles & Sections J3
Foundations Plans & Sections J4
Footing Reinforcement J5
Abutment Masonry- Plans, Sect. & Details J6
Standard Bridge Details J13
Bar Schedule J15

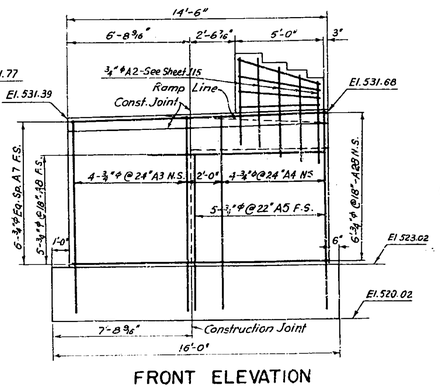
MOHAWK THRUWAY
UNDER GORDON ROAD, CO. ROAD #32R
STA. 5967+31
SCHENECTADY COUNTY



FRONT ELEVATION

NORTH WING—EAST ABUTMENT

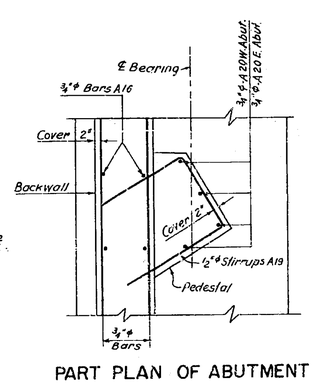
Scale: ¼" - 1'-0"



FRONT ELEVATION

SOUTH WING—EAST ABUTMENT

Scale: ¼"=1'-0"



PART PLAN OF ABUTMENT

Scale: ½"=1'-0"

MOHAWK THRUWAY
UNDER GORDON ROAD, CO. ROAD #32R
STA. 5967+31
SCHENECTADY COUNTY

ABUTMENT REINFORCEMENT

PLANS, SECTIONS & DETAILS

SCALE AS SHOWN

Prepared and Recommended:
E.H. Harlow, VICE PRES. N.Y. STATE P. E. LIC. NO 20747 DATE Jan 7 '58
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

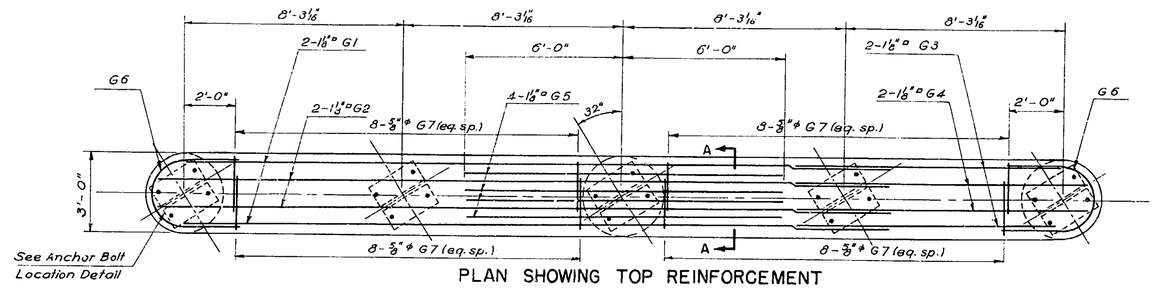
In Charge of: R. Harris
Made by: J. Rubel
Checked by: W. Lush
Traced by: W. Olijnik
Tracing Chk by: W. Lush

DWG. NO. 481-3-10E-907

J7

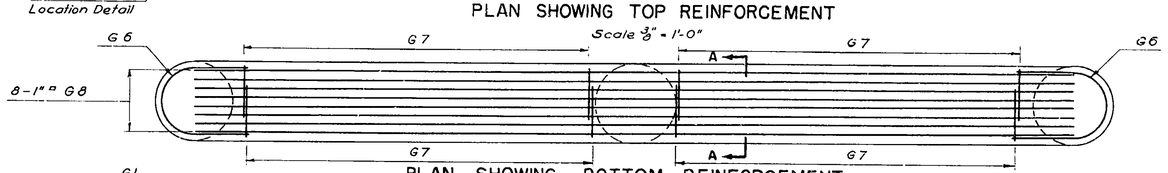
M.T. 58-8 S.T 58-7

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			61	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



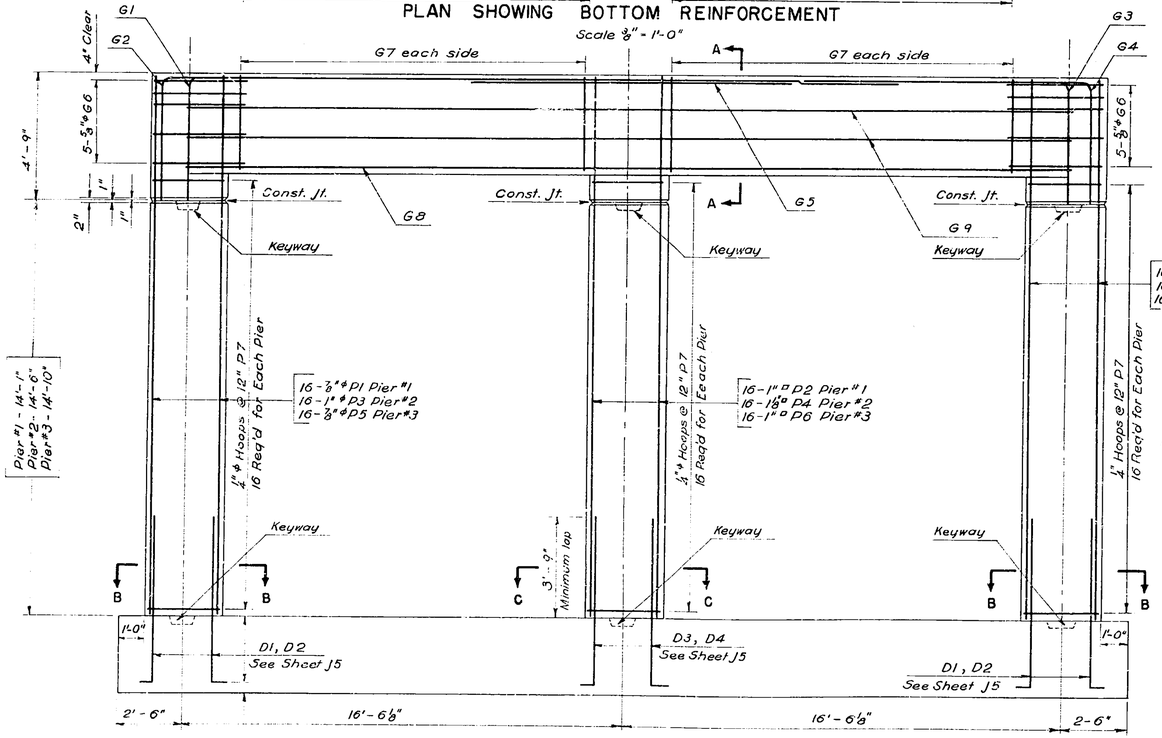
PLAN SHOWING TOP REINFORCEMENT

Scale ⅜" = 1'-0"



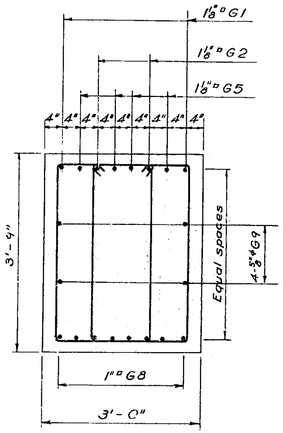
PLAN SHOWING BOTTOM REINFORCEMENT

Scale ⅜" = 1'-0"



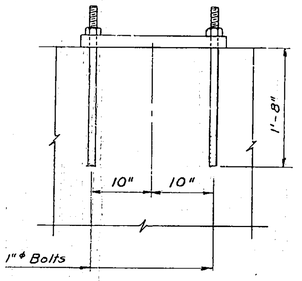
ELEVATION SHOWING REINFORCEMENT

Scale ⅜" = 1'-0"



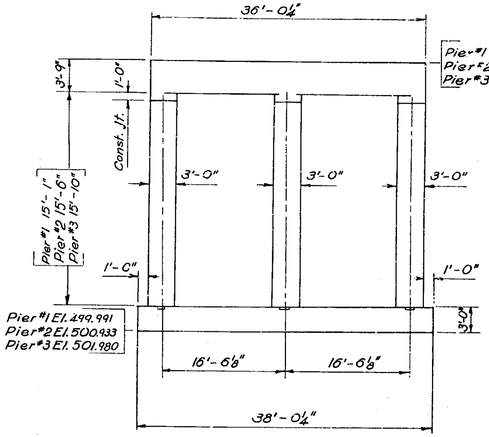
SECTION A-A

Scale ¾" = 1'-0"



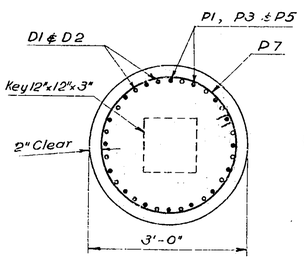
SECTION D-D

Scale 1" = 1'-0"



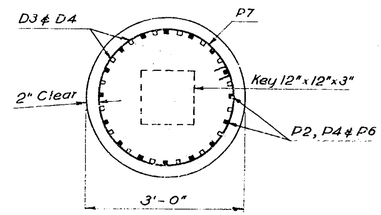
ELEVATION

Scale ⅜"=1'-0"



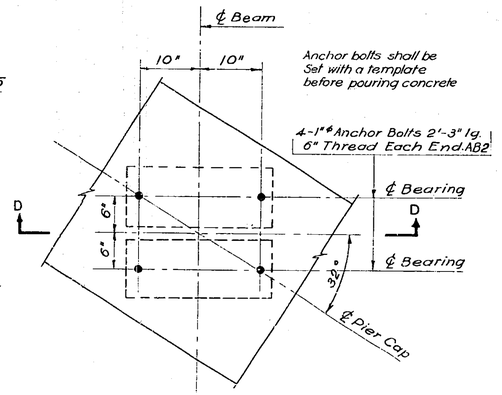
SECTION B-B

Scale ¾" = 1'-0"



SECTION C-C

Scale ¾" = 1'-0"



ANCHOR BOLT LOCATION DETAIL

Scale 1" = 1'-0"

NOTES

Placing Dimensions are given center to center of bars unless noted otherwise.
Where reinforcement interferes with anchor bolt sleeves, etc., shift or bend bars.
Concrete cover for reinforcement shall be 2" unless noted otherwise.
Concrete in piers shall be Item 18.
Bar reinforcement shall be Item 28.
Anchor Bolts shall be Item 29.
Minimum Lap Length for splices shall be 40 bar diameters.

REFERENCE DRAWINGS

General Plan, Elevation & Notes J2
Profiles & Sections J3
Foundation Plan - Sections & Details J4
Footing Reinforcement J5
Standard Bridge Details J14
Bar Schedule J15

MOHAWK THRUWAY
UNDER GORDON ROAD, CO. ROAD #32R
STA. 5+67+31
SCHENECTADY COUNTY

PIERS

ELEVATIONS, SECTIONS & DETAIL

SCALE AS SHOWN

Prepared and Recommended:
E.H. HARLOW VICE PRES N.Y. STATE P.E. LIC. NO. 20747 — DATE Jan 1 '62
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

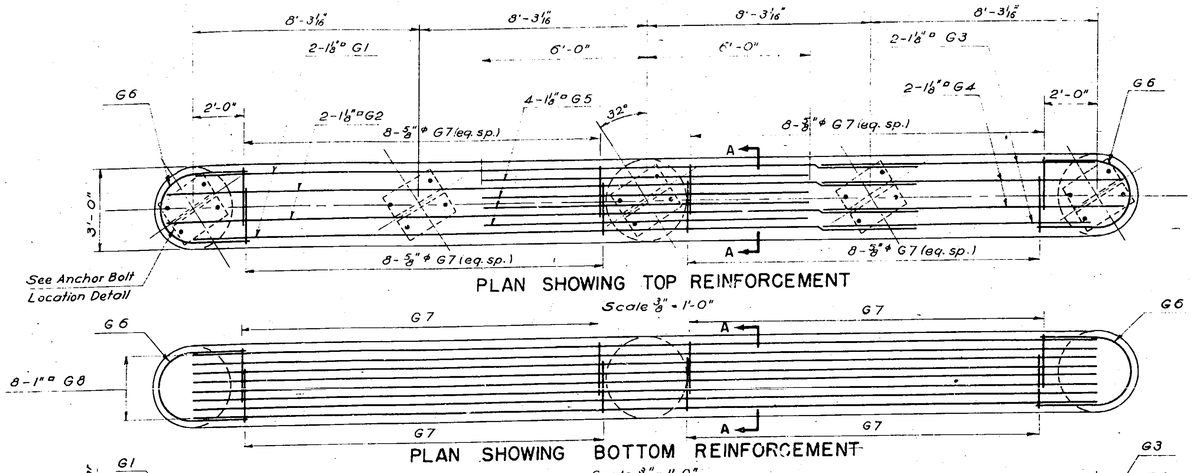
In Charge of: R. Harris
Made by: S. Levy
Checked by: J. Ferenz
Traced by: P. Piaseckyj
Tracing Chk by: W. Lush

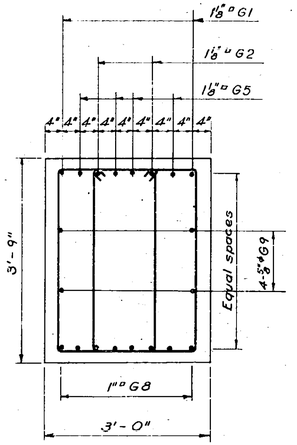
DWG. NO. 481-3-10E-908

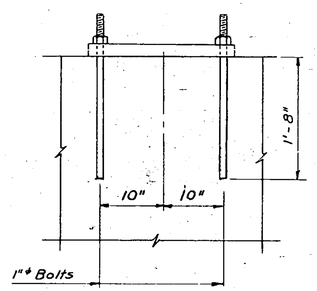
S.T 50-7

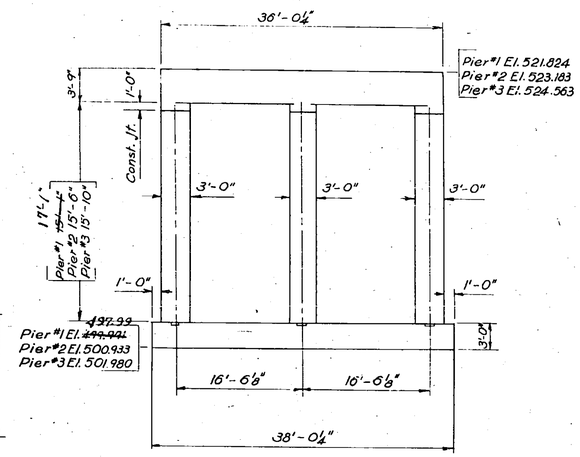
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			61	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				

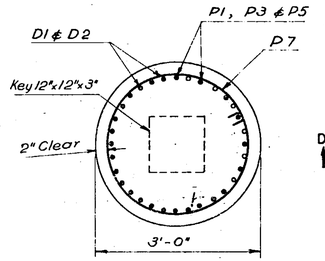
61R

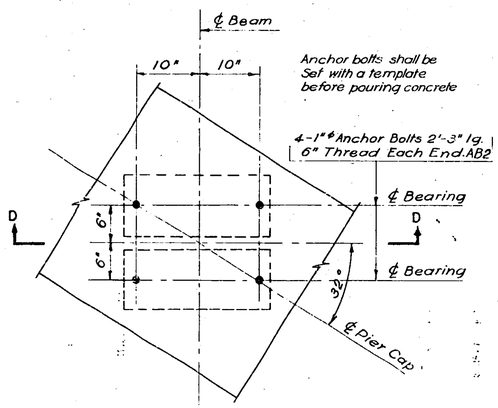












NOTES

Placing Dimensions are given center to center of bars unless noted otherwise.
Where reinforcement interferes with anchor bolt sleeves, etc., shift or bend bars.
Concrete cover for reinforcement shall be 2" unless noted otherwise.
Concrete in piers shall be Item 18.
Bar reinforcement shall be Item 28.
Anchor Bolts shall be Item 29.
Minimum Lap Length for splices shall be 40 bar diameters.

REFERENCE DRAWINGS

General Plan, Elevation & Notes _____ J2
Profiles & Sections _____ J3
Foundation Plan - Sections & Details _____ J4
Footing Reinforcement _____ J5
Standard Bridge Details _____ J14
Bar Schedule _____ J15

MOHAWK THRUWAY
UNDER GORDON ROAD, CO. ROAD #32R
STA. 5967+31
SCHENECTADY COUNTY

PIERS

ELEVATIONS, SECTIONS & DETAIL

SCALE AS SHOWN

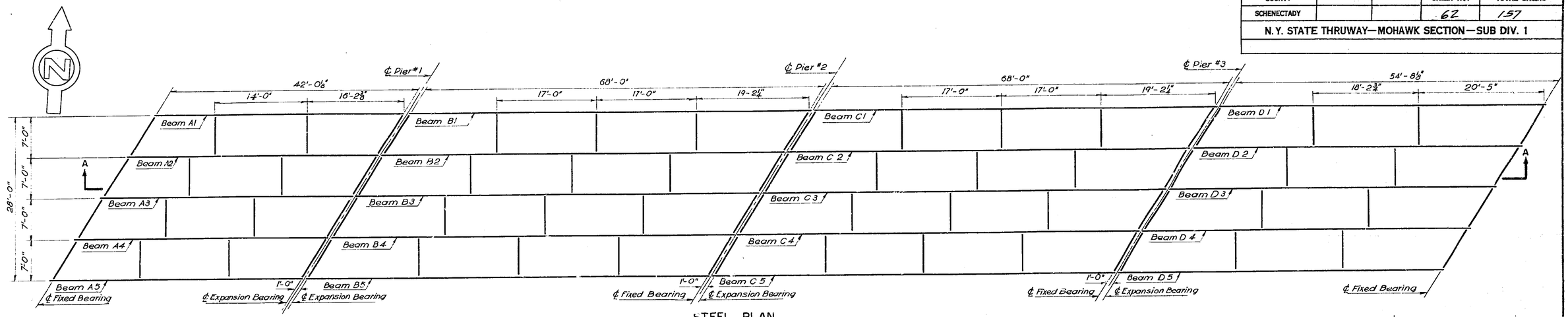
Prepared and Recommended:
E.N. Harlow
E.N. HARLOW VICE PRES N.Y. STATE P.E. LIC. NO. 20747 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: S. Levy
Checked by: J. Ferenc
Traced by: P. Piasecky
Tracing Chk by: W. Lush

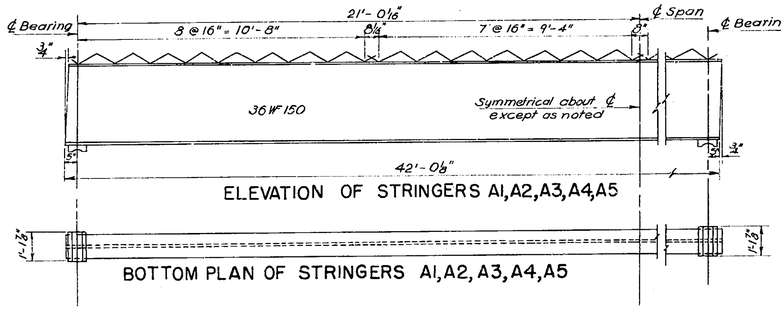
DWG. NO. 481-3-10E-908

M.T. 53-3 S.T 53-7

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			62	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				

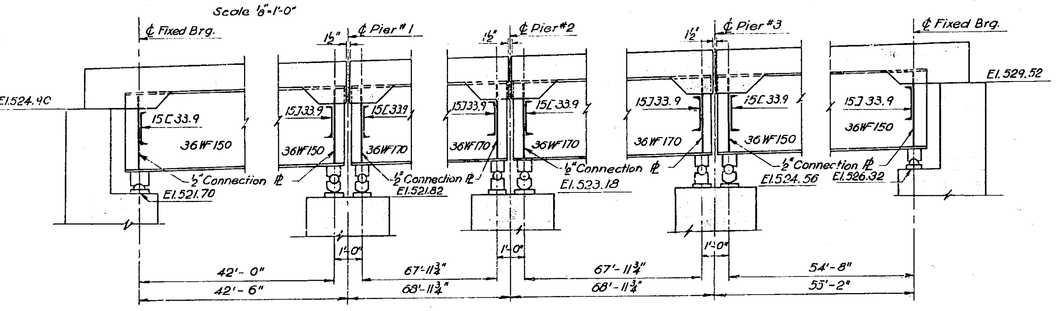


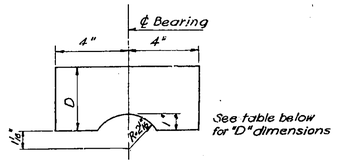
STEEL PLAN
Scale ⅛"-1'-0"



ELEVATION OF STRINGERS A1,A2,A3,A4,A5

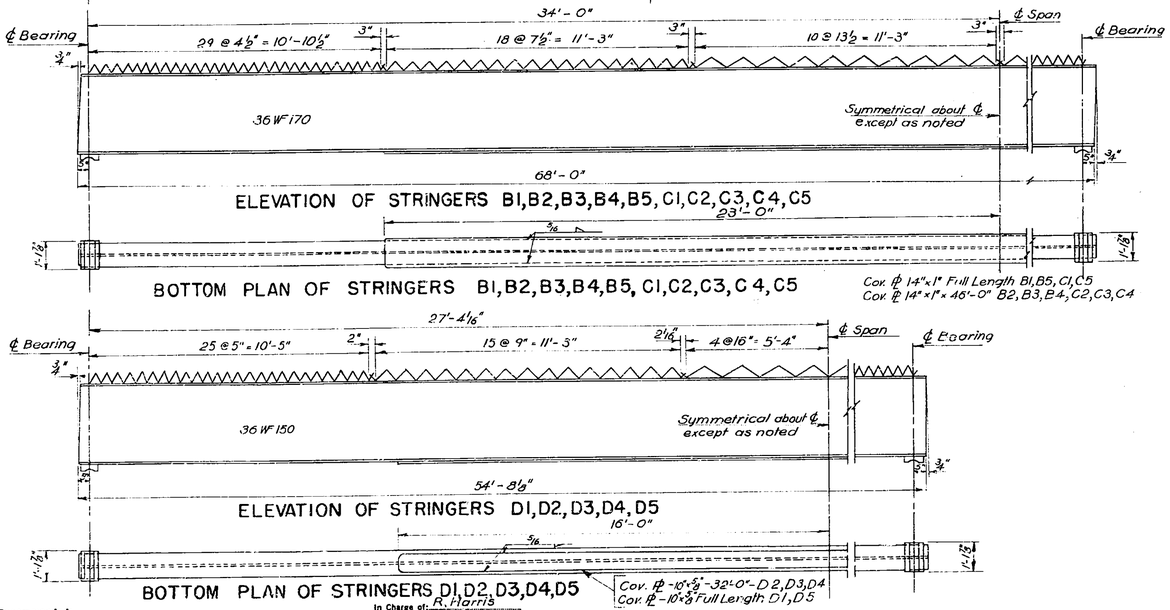
BOTTOM PLAN OF STRINGERS A1,A2,A3,A4,A5





BEARING SHOE
Scale 3"-1'-0"

WEST END OF STRINGERS



ELEVATION OF STRINGERS B1,B2,B3,B4,B5,C1,C2,C3,C4,C5

BOTTOM PLAN OF STRINGERS B1,B2,B3,B4,B5,C1,C2,C3,C4,C5

ELEVATION OF STRINGERS D1,D2,D3,D4,D5

BOTTOM PLAN OF STRINGERS D1,D2,D3,D4,D5

SECTION A-A

D DIMENSIONS				
STRINGER	D WEST END	MARK	D EAST END	MARK
A1	7 1/16"	SP1	8 3/16"	SP6
A2	7 7/8"	SP2	8 7/8"	SP7
A3	8 3/8"	SP3	9 3/8"	SP8
A4	5 13/16"	SP4	6 13/16"	SP9
A5	3"	SP5	4"	SP10
B1	8 3/16"	SP6	8 3/16"	SP6
B2	8 7/8"	SP7	8 7/8"	SP7
B3	9 3/8"	SP8	9 3/8"	SP8
B4	6 13/16"	SP9	6 13/16"	SP9
B5	4"	SP10	4"	SP10
C1	8 3/16"	SP11	8 3/16"	SP6
C2	9 1/8"	SP12	8 7/8"	SP7
C3	9 5/8"	SP13	9 3/8"	SP8
C4	7 1/16"	SP14	6 13/16"	SP9
C5	4¼"	SP15	4"	SP10
D1	8 11/16"	SP16	7 3/16"	SP1
D2	9 7/16"	SP17	7 7/8"	SP2
D3	9 7/8"	SP18	8 3/8"	SP3
D4	7 5/16"	SP19	5 13/16"	SP4
D5	4½"	SP20	3"	SP5

NOTES

Size of all diaphragms shall be 15C33.9
All Structural Steel Item 29.
For spiral detail see sheet J14
For bearing details see sheet J14
For diaphragm details see sheet J14
Camber A Beams 1"
Camber B Beams 2½"
Camber C Beams 2½"
Camber D Beams 1½"
} (Camber for dead load)
Spiral Shear Connectors Item 28B

REFERENCE DRAWINGS

General Plan, Elevation & Notes ——— J2
Profiles & Sections ——— J3
Abutment Masonry-Plan, Section & Details — J6
Piers-Elevations, Sections & Details ——— J8
Bridge Slab Plan, Section & Details ——— J10
Standard Bridge Details ——— J14

MOHAWK THRUWAY
UNDER GORDON ROAD, CO. ROAD #32R
STA. 5967+31
SCHENECTADY COUNTY

BEAMS & DIAPHRAGMS
PLAN, SECTIONS & DETAILS

SCALE 3/8 OR AS SHOWN

DWG. NO. 481-3-10E-909

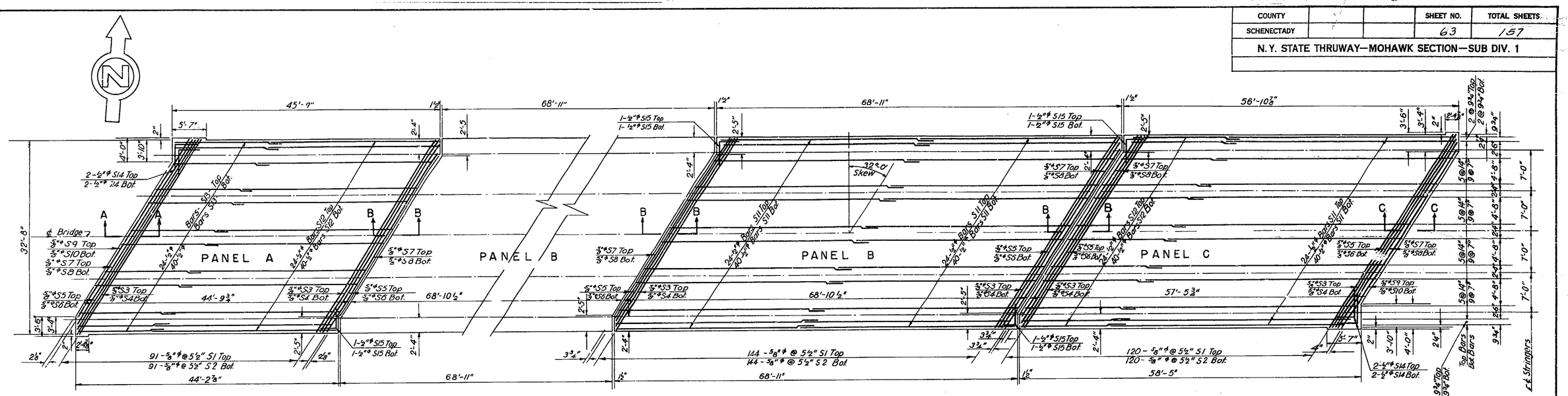
Prepared and Recommended:
E.H.HARLOW, VICE PRES. N.Y. STATE P.E. LIC. NO. 20747
DATE Jan 1 '62
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: J. Ferenz
Checked by: W. Lush
Traced by: P. Piaseckyj
Tracing Chk by: W. Lush

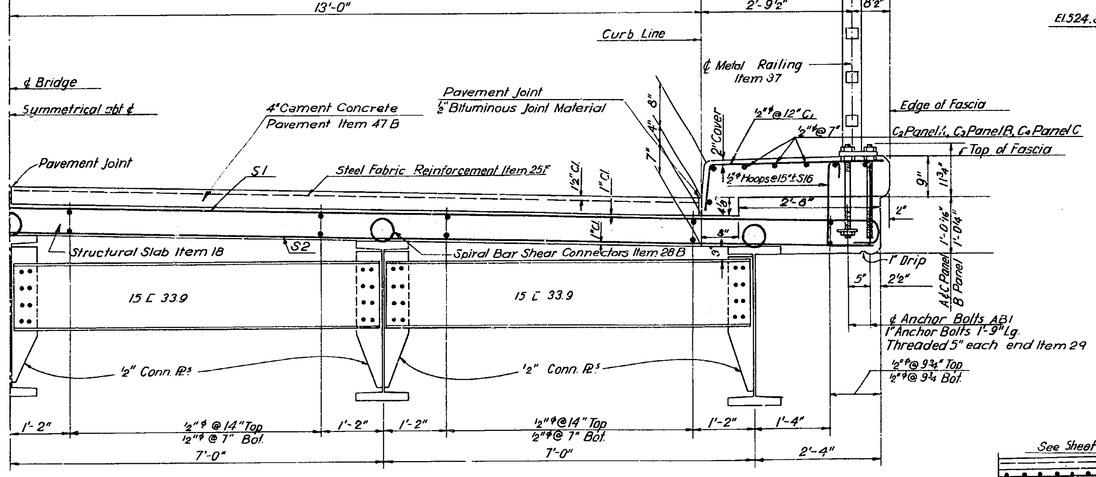
24:1

M.T. 53-3T S.T 53-7

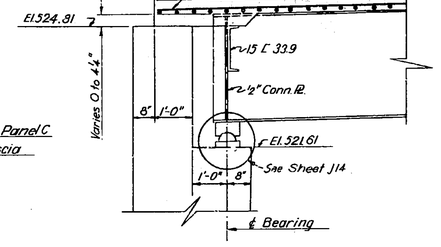
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			63	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



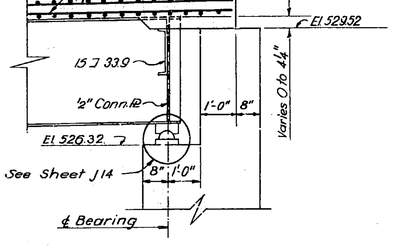
PLAN
Scale: 1/8"=1'-0"



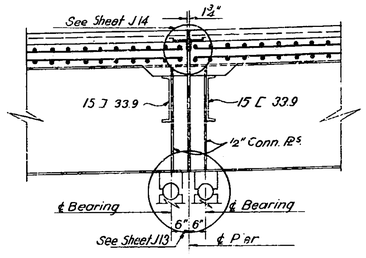
TYPICAL HALF SECTION
Scale ¾"=1'-0"



SECTION A-A
Scale: ½"=1'-0"



SECTION C-C
Scale: ½"=1'-0"



SECTION B-B
Scale ½"=1'-0"

NOTES:

Placing dimensions are given center to center of bars parallel to ℄ unless noted otherwise.
Where reinforcement interferes with anchor bolts, spiral connectors, etc., shift on bend bars.
Minimum lap length for splices shall be 40 bar diameters.
Concrete in Structural Slab, Item 18.
Steel Reinforcement Item 28.
Structural Steel, Item 29.
Steel Fabric Reinforcement, Item 25 F.
Spiral Bar Shear Connectors, Item 28 B.
Anchor Bolts Item 29.
Cement Concrete Pavement Item 47 B

REFERENCE DRAWINGS

General Plan, Elevation ℄ Notes ..... J 2
Profiles ℄ Sections ..... J 3
Abutment Masonry-Plan, Sections ℄ Details ..... J 6
Abutment Reinforcement-Plan, Sections ℄ Details ..... J 7
Beams ℄ Diaphragms - Plans, Sections ℄ Details ..... J 9
Standard Bridge Details ..... J 13
Standard Bridge Details ..... J 14
Bar Schedule ..... J 15

MOHAWK THRUWAY
UNDER GORDON ROAD, CO. ROAD #32R
STA. 5967+31
SCHENECTADY COUNTY

BRIDGE SLAB

PLAN, SECTION & DETAILS

SCALE AS SHOWN

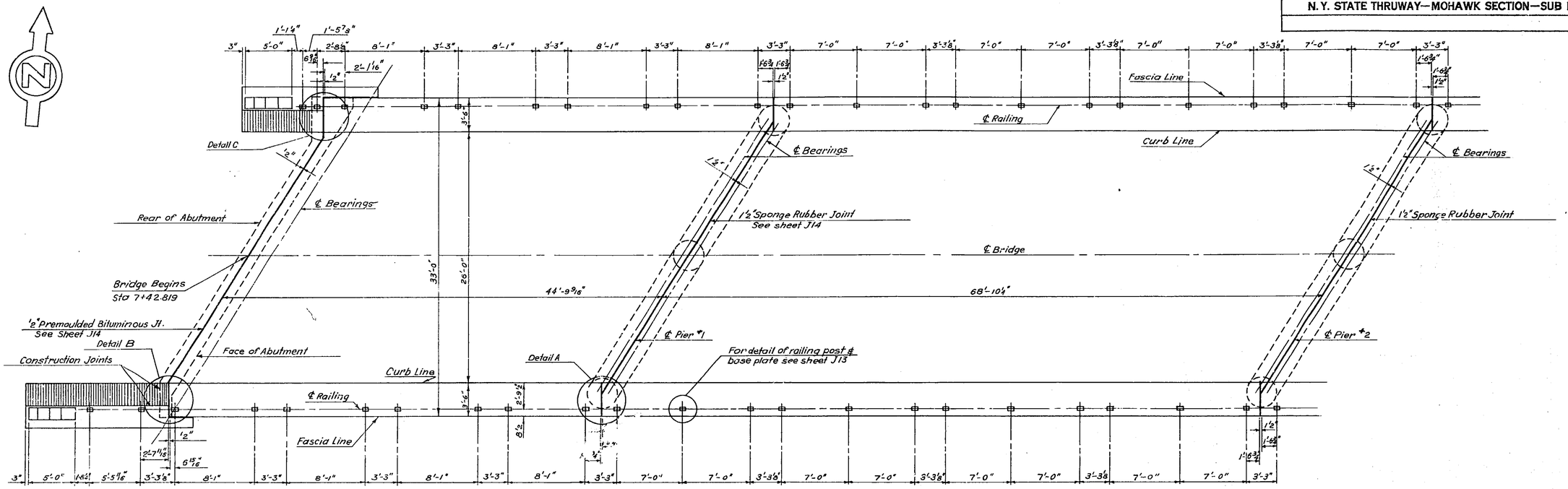
DWG. NO. 481-3-10E-910

Prepared and Recommended:
E.H. Harlow
E.H. HARLOW VICE PRES. N.Y. STATE P.E. LIC. NO. 20747 DATE June 7 '60
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: S. Levy
Checked by: J. Ferenz
Traced by: G.M. Karatchansky
Tracing Chk by: W. Lush

M.T. 53-3 S.T. 53-7

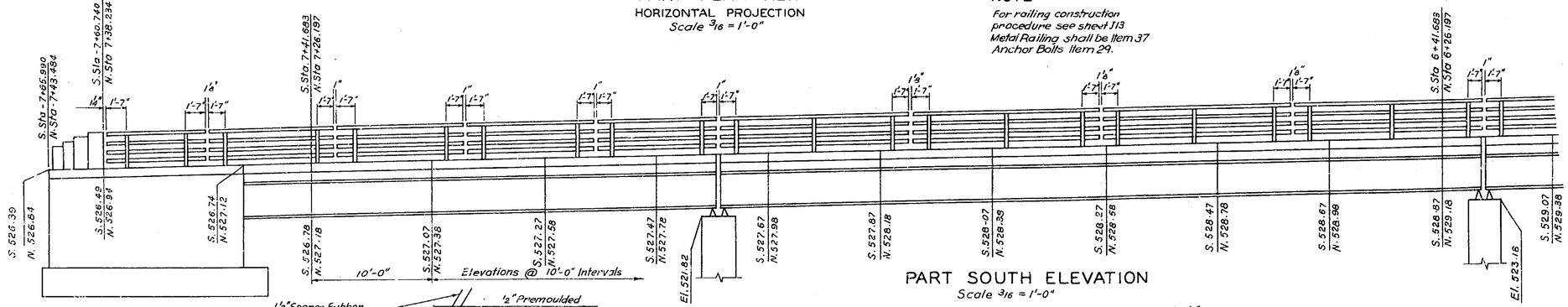
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			64	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



PART PLAN VIEW
HORIZONTAL PROJECTION
Scale 3/16 = 1'-0"

NOTE

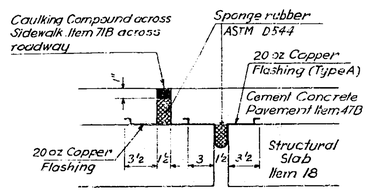
For railing construction procedure see sheet J13
Metal Railing shall be Item 37
Anchor Bolts Item 29.



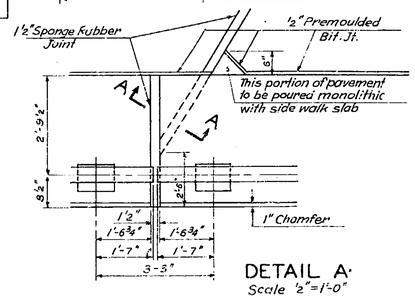
PART SOUTH ELEVATION
Scale 3/16 = 1'-0"

REFERENCE DRAWINGS

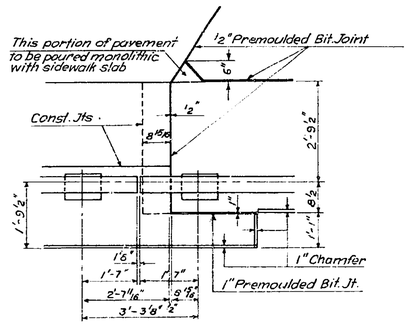
General Plan, Elevation & Notes	J2
Bridge Slab-Plan, Section & Det.	J10
Railing & Pylon Location	J12
Standard Bridge Details	J13
Standard Bridge Details	J14
Bar Schedule	J15



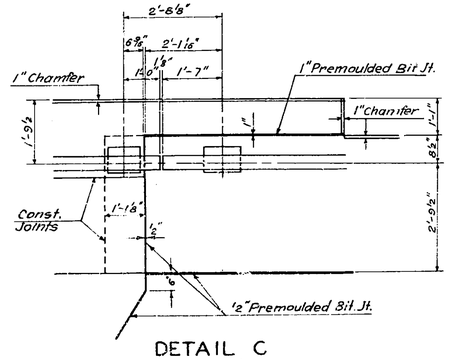
SECTION A-A
Scale 1½"=1'-0"



DETAIL A
Scale ½"=1'-0"



DETAIL B
Scale ½"=1'-0"



DETAIL C
Scale ½"=1'-0"

MOHAWK THRUWAY
UNDER GORDON ROAD, CO. ROAD #32R
STA. 5967+31
SCHENECTADY COUNTY

RAILING & PYLON LOCATION

SCALE: AS SHOWN

DWG. NO. 481-3-10E-911

J11

Prepared and Recommended:

E.H. HARLOW, VICE PRES. N.Y. STATE P.E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

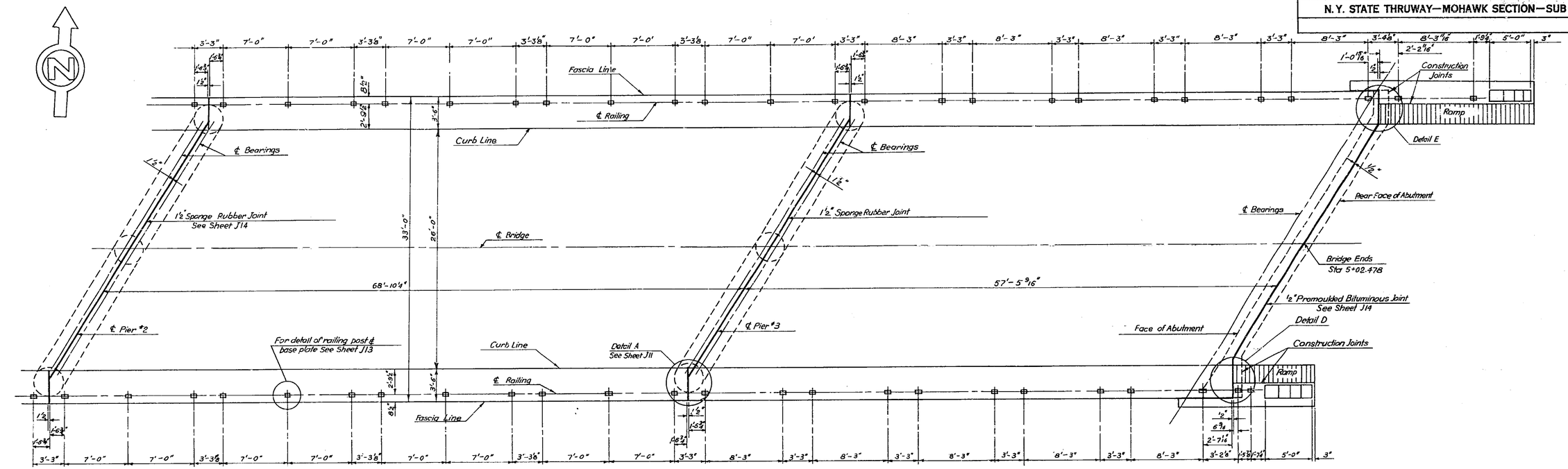
In Charge of: R. Harris
Made by: D. Corbin
Checked by: W. Lush
Traced by: D. Corbin
Tracing Chk by: W. Lush

24:1

M.T. 58-3 S.T 58-7

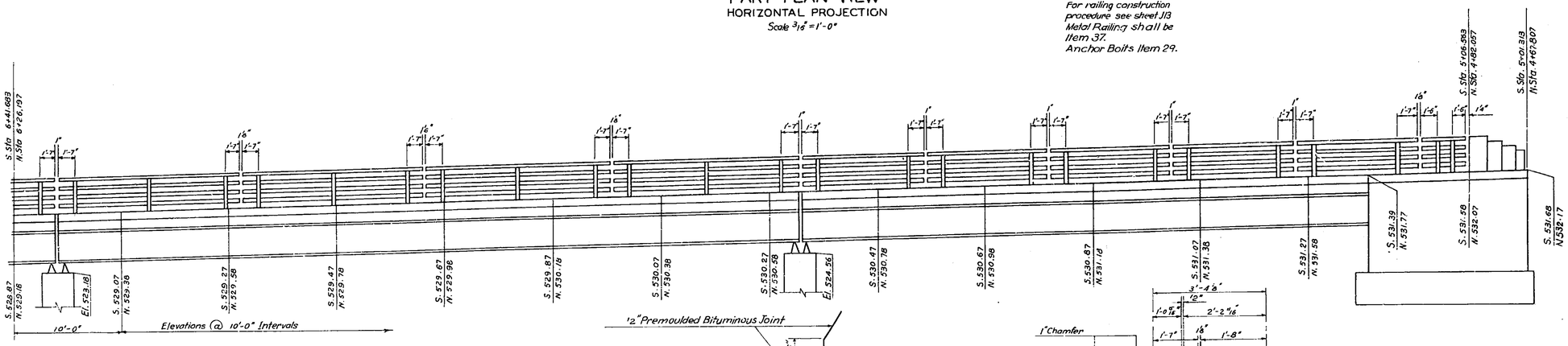
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			65	157

N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1

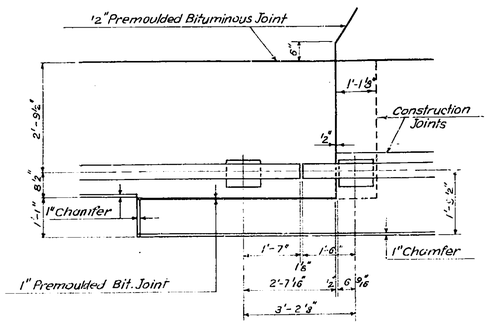


PART PLAN VIEW
HORIZONTAL PROJECTION
Scale 3/16" = 1'-0"

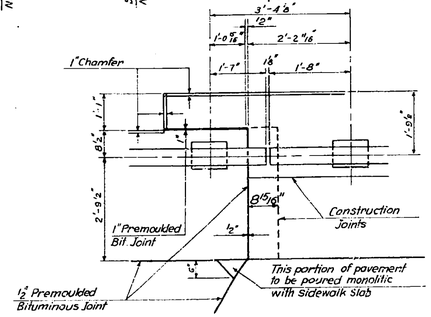
NOTE
For railing construction procedure see sheet J13
Metal Railing shall be Item 37.
Anchor Bolts Item 29.



PART SOUTH ELEVATION
Scale 3/16" = 1'-0"



DETAIL D
Scale 1½" = 1'-0"



DETAIL E
Scale 1½" = 1'-0"

REFERENCE DRAWINGS

General Plan, Elevation & Notes	J2
Bridge Slab -Plan, Section & Det.	J10
Railing & Pylon Location	J11
Standard Bridge Details	J13
Standard Bridge Details	J14
Bar Schedule	J15

MOHAWK THRUWAY
UNDER GORDON ROAD, CO. ROAD #32R
STA. 5967+31
SCHENECTADY COUNTY

RAILING & PYLON LOCATION

SCALE: AS SHOWN

DWG. NO. 481-3-10E-912

Prepared and Recommended:
E.H. Harlow
E.H. HARLOW, VICE PRES. N.Y. STATE P.E. LIC. NO. 20747 — DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

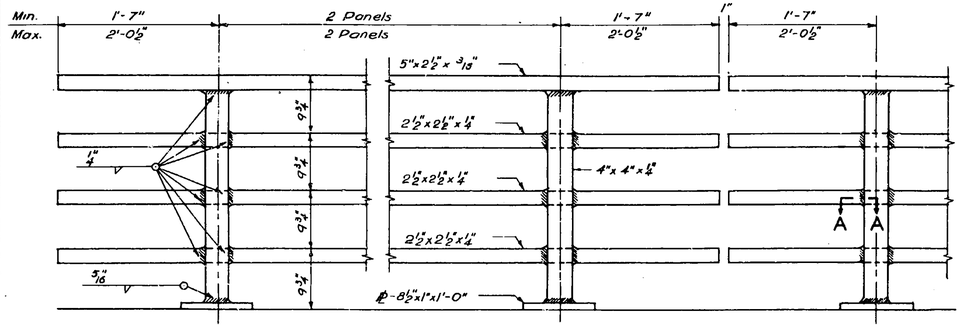
In Charge of: R. Harris
Made by: D. Corbin
Checked by: W. Lush
Traced by: D. Corbin
Tracing Chk by: J. Ferenz

J12

M.T. 53-3 S.T 53-7

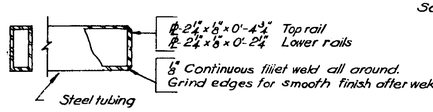
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			66	157

N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1



TYPICAL TUBULAR RAILING

Scale 1" = 1'-0"

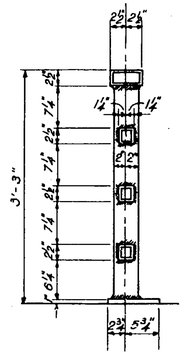


Construction Procedure

1 - Set railing anchor bolts by means of template and pour slab.
2 - Make two (2) applications of water proofing oil treatment M 41-W to the top of slab.
3 - The top of slab shall be continuously and thoroughly wetted down, as directed by the engineer, for at least one hour, immediately prior to the placing of the roadway pavement.
4 - Pour roadway pavement.
5 - Place lower nuts on upper end of anchor bolts.
6 - Place railing on lower nuts and adjust to bring railing to line and grade.
7 - Place upper nuts on anchor bolts; tighten down on plates.
8 - Pour sidewalk to proper line and grade.

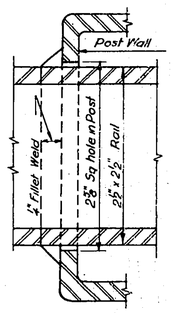
Notes

Metal Railing shall be Item 37
Double panel as shown.
Single panel similar except for panel length.
All railings are to be fabricated and erected so that rails are parallel to each other and to the top of fascia and posts are truly vertical.
Dimensions for tubing are outside dimensions.
Shop or field welding may be used in fabrication and erection of the railing.
All welds on railing shall be ground smooth.



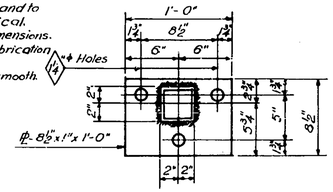
SECTION THRU RAILING

Scale 1" = 1'-0"



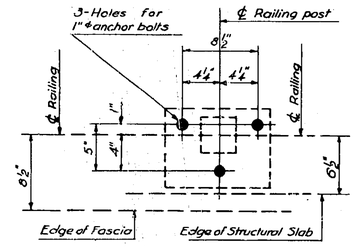
SECTION A-A

Scale - Full Size



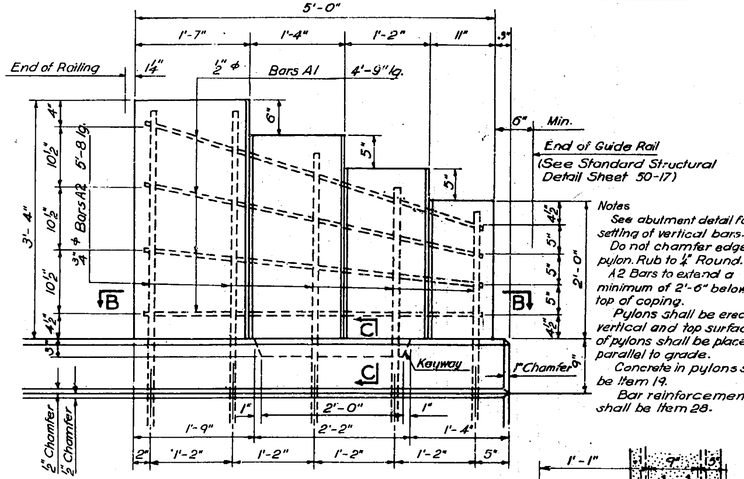
RAILING POST BASE PLATE

Scale 1½" = 1'-0"

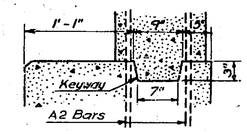


TEMPLATE FOR SETTING RAILING POST ANCHOR BOLTS

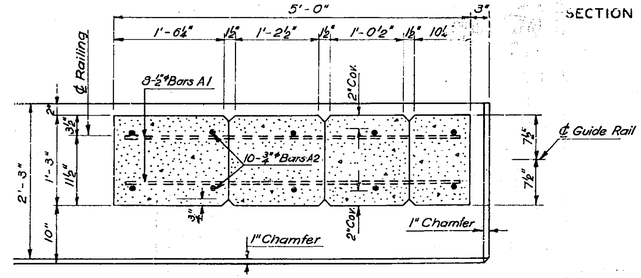
Scale 1½" = 1'-0"



ELEVATION OF PYLON



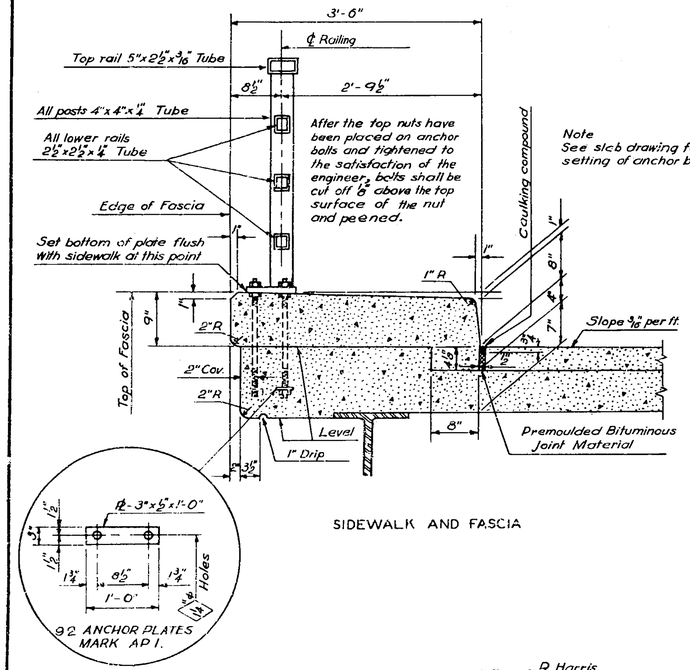
SECTION C-C



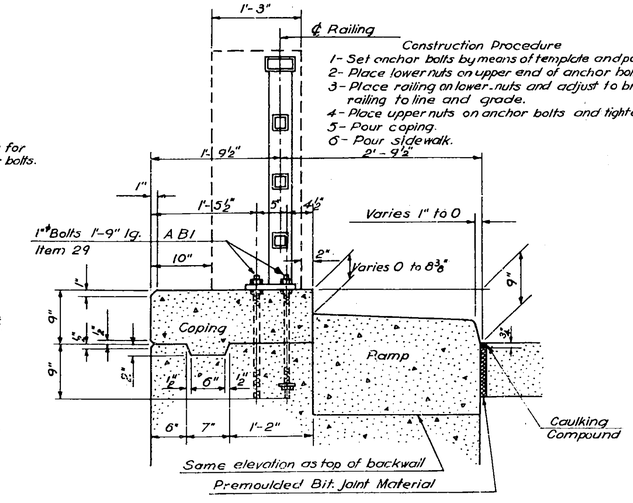
SECTION B-B

PYLON DETAILS

Scale 1" = 1'-0"



SIDEWALK AND FASCIA



SECTION THRU SUBSTRUCTURE

SIDEWALK AND FASCIA DETAILS

Scale 1" = 1'-0"

MOHAWK THRUWAY
UNDER GORDON ROAD, CO. ROAD #32 R
STA. 5967+31
SCHENECTADY COUNTY

STANDARD BRIDGE DETAILS

SCALE - AS SHOWN

DWG. NO. 481-3-10E-913

Prepared and Recommended:
E. H. Harlow
E.H.HARLOW, VICE PRES. N.Y. STATE P. E. LIC. NO. 20747
DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

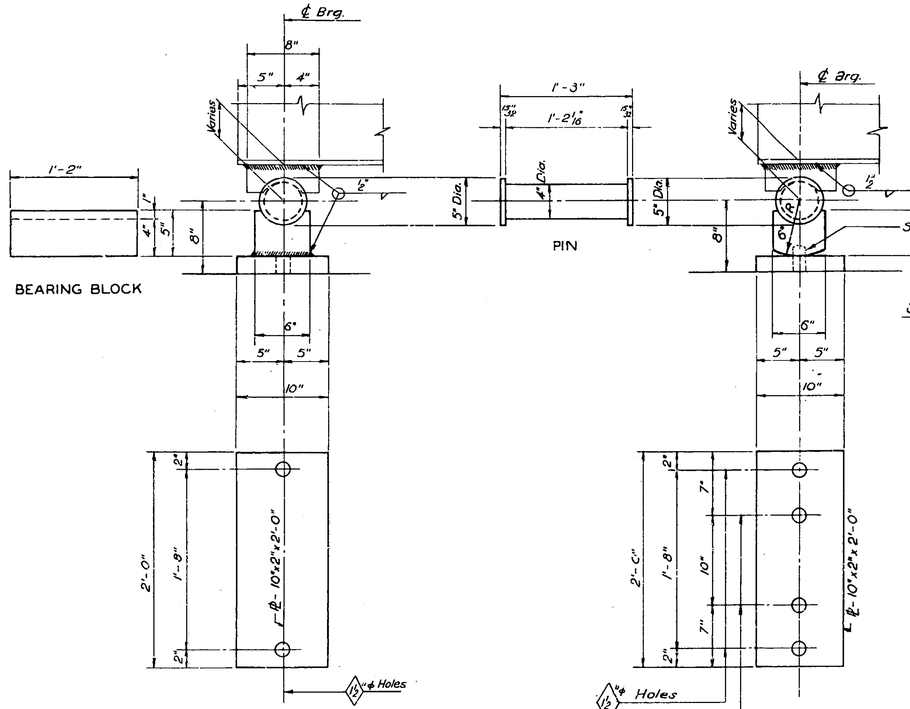
In Charge of: R. Harris
Made by: W. Lush
Checked by: J. Talerico
Traced by: W. Chamula
Tracing Chk by: J. Talerico

J13

24:1

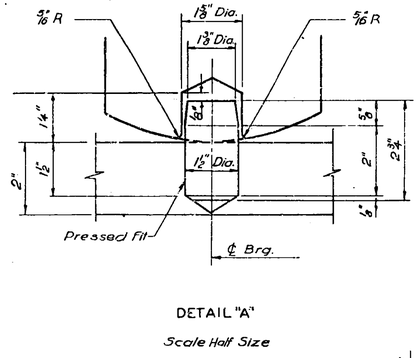
M.T. 53-3 S.T 53-7

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			67	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



FIXED BEARING DETAILS AT PIERS

Scale 1½" = 1'-0"

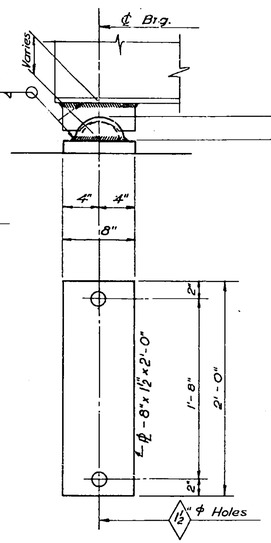


DETAIL "A"

Scale Half Size

EXPANSION BEARING DETAILS AT PIERS

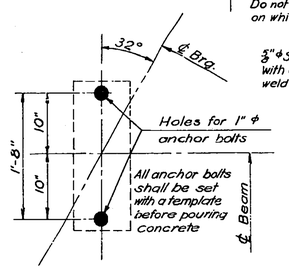
Scale 1½" = 1'-0"



BASE PLATE

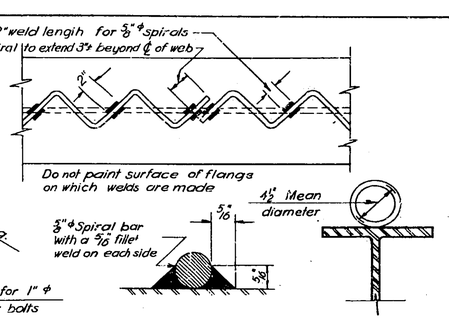
FIXED BEARING DETAILS AT ABUTMENT

Scale 1½" = 1'-0"



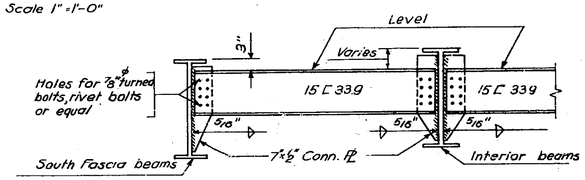
TEMPLATE FOR SETTING BEARING ANCHOR BOLTS

Scale 1" = 1'-0"



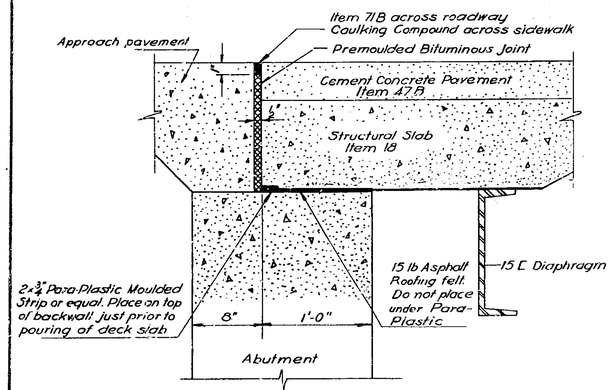
SPIRAL DETAILS

Scale 1½" = 1'-0"

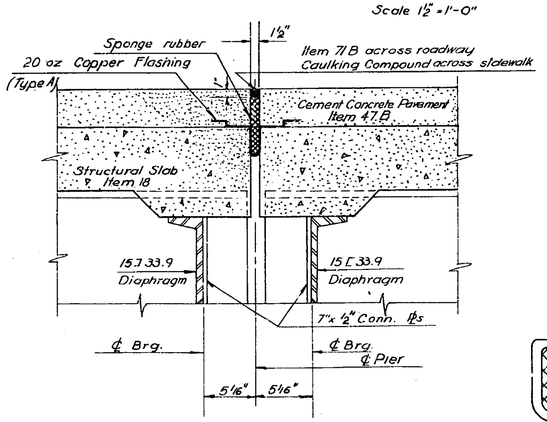


DIAPHRAGM DETAIL

Scale ½" = 1'-0"



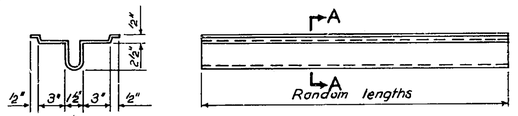
DETAIL OF JOINT AT ABUTMENT

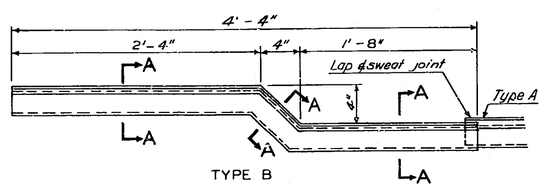


DETAIL OF JOINT OVER PIERS

DETAILS OF JOINTS

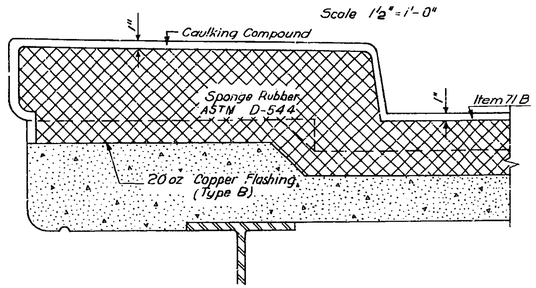
Scale 1½" = 1'-0"





DETAILS OF 20 OZ. COPPER FLASHING FOR JOINTS

Scale 1½" = 1'-0"



SECTION THRU SAFETY WALK AT JOINT

MOHAWK THRUWAY
UNDER GORDON ROAD, CO. ROAD #32 R
STA. 5967+31
SCHENECTADY COUNTY

STANDARD BRIDGE DETAILS

SCALE - AS SHOWN

Prepared and Recommended:
E.H. Harlow
E.H.HARLOW, VICE PRES. N.Y. STATE P. E. LIC. NO. 20747
Jan 1 '53
DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: W. Lush
Checked by: J. Talerico
Traced by: W. Chamula
Tracing Chk by: W. Lush

DWG. NO. 481-3-10E-914

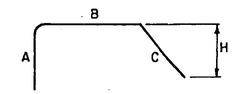
M.T. 53-3 S.T 58-7

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			68	157

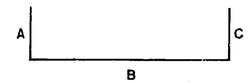
N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1

LOCATION OF BARS	MARK	SIZE	NO. REQ'D.	LENGTH	TYPE	A	B	C	D	E	H	R	REMARKS
FOOTINGS & PILES	F1	¾"ø	60	18'-4"	VII	8"	17'-8"	6"	—	—			Longitudinal - Piles
	F2	¾"ø	54	13'-4"	VII	8"	12'-8"	6"	—	—			" - "
	F3	½"ø	66	5'-0"	str.								Transverse - Wingwalls
	F4	¾"ø	8	14'-0"	Str.								Longitudinal - "
	F5	↑	8	17'-6"	str.								" - "
	F6		8	14'-6"	str.								" - "
	F7		8	20'-0"	str.								" - "
	F8		4	10'-9"	I	3'-6"	4'-0"	3'-3"			1'-9"		Corner Bars
	F9	¾"ø	4	6'-9"	I	—	3'-6"	3'-3"			1'-9"		" "
	F10	½"ø	60	5'-6"	str.								Transverse-Abutment
	F11	¾"ø	20	20'-9"	str.								Longitudinal- "
	F12	¾"ø	20	19'-0"	str.								" - "
	F13	⅝"ø	156	7'-6"	str.								Transverse - Pier
	F14	1"□	30	37'-6"	str.								Longitudinal- "
	F15	1⅝"□	36	37'-6"	str.								" - "
	F16	¼"ø	488	3'-0"	III	4"						4½"	Hoops in Piles
	F17	¾"ø	60	15'-4"	VII	8"	14'-8"	6"	—	—			Longitudinal - Piles
	D1	⅞"ø	64	6'-9"	II	6"	6'-3"	—					Dowels
	D2	1"ø	32	6'-9"	II	6"	6'-3"	—					"
	D3	1"□	32	6'-9"	II	6"	6'-3"	—					"
	D4	1⅝"□	16	6'-9"	II	6"	6'-3"	—					"
	F18	¾"ø	54	12'-4"	VII	8"	11'-8"	6"	—	—			Longitudinal - Piles
ABUTMENTS WINGWALLS & PYLONS	A1	½"ø	32	4'-9"	str.								Horizontal - Pylons
	A2	¾"ø	40	5'-9"	str.								Vertical - Pylons
	A3	↑	14	22'-2"	II	10'-10"	6"	10'-10"					" - Wingwalls
	A4		8	12'-11"	II	1'-9"	11'-2"	—					" - "
	A5		28	8'-6"	str.								" - "
	A6		6	13'-6"	str.								Horizontal - "
	A7		12	9'-3"	str.								" - "
	A8		10	9'-9"	str.								" - "
	A9		5	16'-9"	str.								" - "
	A10		9	12'-4"	II	1'-9"	10'-7"	—					Vertical - "
	A11		6	17'-0"	str.								Horizontal - "
	A12		5	17'-9"	str.								" - "
	A13		12	6'-0"	str.								" - "
	A14		9	13'-2"	II	1'-9"	11'-5"	—					Vertical - "
	A15		6	19'-6"	str.								Horizontal - "
	A16		80	8'-6"	str.								Vertical - Abutments
	A17	↓	10	21'-0"	I	—	18'-6"	2'-6"			1'-4"		Horizontal - "
	A18	¾"ø	10	19'-8"	I	—	19'-0"	6"			4½"		" - "
	A19	½"ø	60	7'-10"	II	2'-8"	2'-6"	2'-8"					" - Pedestals
	A20	¾"ø	36	5'-9"	str.								Vertical - "
	A21	¾"ø	10	21'-10"	I	—	18'-6"	3'-4"			1'-9"		Horizontal - Abutment
	A22	¾"ø	10	18'-0"	I	—	13'-9"	4'-3"			2'-3		" - "
	A23	½"ø	48	2'-9"	I	—	2'-0"	9"			8¾"		Transverse Sidewalk Ramps
	A24	↑	4	6'-9"	str.								Longitudinal "
	A25		4	7'-3"	str.								" "
	A26	↓	4	16'-3"	str.								" "
	A27	½"ø	4	13'-9"	str.								" "
	A28	¾"ø	6	14'-0"	str.								Horizontal - Wingwalls
PIER CAPS	G1	1⅝"□	6	30'-6"	IV	3'-1"	2'-1"	25'-4"				1'-4"	Longitudinal - Transition
	G2	↑	6	31'-10"	IV	3'-1"	2'-1"	26'-8"				1'-4"	" - "
	G3		6	13'-10"	IV	3'-1"	2'-1"	8'-8"				1'-4"	" - "
	G4	↓	6	15'-4"	IV	3'-1"	2'-1"	10'-2"				1'-4"	" - "
	G5	1⅝"	12	12'-0"	str.								" - Top
	G6	⅝"ø	30	7'-5"	VI	1'-9"	3'-11"					1'-3"	Horizontal Stirrups
	G7	⅝"ø	96	11'-2"	V	4"	3'-5"	1'-10"					Vertical "
	G8	1"□	24	33'-0"	str.								Longitudinal - Bot.
	G9	⅝"ø	12	33'-0"	str.								Longitudinal - Side

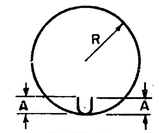
LOCATION OF BARS	MARK	SIZE	NO. REQ'D.	LENGTH	TYPE	A	B	C	D	E	H	R	REMARKS
COLUMNS	P1	⅞"ø	32	18'-4"	str.								Vertical
	P2	1"□	16	18'-4"	str.								"
	P3	1"ø	32	18'-9"	str.								"
	P4	1⅝"□	16	18'-9"	str.								"
	P5	⅞"ø	32	19'-1"	str.								"
	P6	1"□	16	19'-1"	str.								"
	P7	¼"ø	144	8'-10"	III	31½"						1'-4	Horizontal Hoops
STRUCTURAL SLAB	S1	⅝"ø	499	39'-4"	VII	7"	38'2"	5"	7"	5"			Transverse - Top
	S2	↑	499	38'-2"	str.								" - Bot.
	S3		8	38'-7"	VII	7"	37'-5"	5"	7"	5"			" - Top
	S4		8	37'-5"	str.								" - Bot.
	S5		8	37'-11"	VII	7"	36'-9"	5"	7"	5"			" - Top
	S6		8	36'-9"	str.								" - Bot.
	S7		8	37'-4"	VII	7"	36'-2"	5"	7"	5"			" - Top
	S8		8	36'-2"	str.								" - Bot.
	S9	↓	2	36'-8"	VII	7"	35'-6"	5"	7"	5"			" - Top
	S10	⅝"ø	2	35'-6"	str.								" - Bot.
	S11	½"ø	320	35'-3"	str.								Longitudinal - Top & Bot.
	S12	↑	128	23'-9"	str.								" - " "
	S13		64	22'-6"	str.								" - " "
	S14		8	7'-6"	II	4'-8"	2'-10"	—					Corner Bars
	S15	↓	12	5'-4"	II	3'-2"	2'-2"	—					" "
	S16	½"ø	393	5'-0"	VIII	6"	1'-5"	10"	1'-6"	9"			Vertical Stirrups
SIDEWALK	C1	½"ø	489	3'-10"	I	—	3'-1"	9"			8¾"		Transverse - Sidewalk
	C2	↑	28	23'-6"	str.								Longitudinal - Sidewalk
	C3	↓	55	35'-2"	str.								" - "
	C4	½"ø	28	30'-0"	str.								" - "



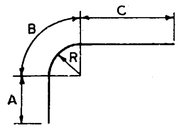
TYPE I



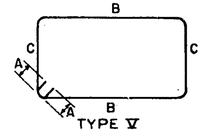
TYPE II



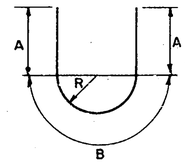
TYPE III



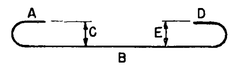
TYPE IV



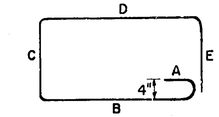
TYPE V



TYPE VI



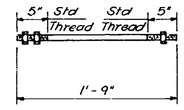
TYPE VII



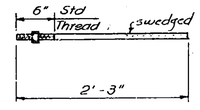
TYPE VIII

ANCHOR BOLT SCHEDULE - Item 29.

MARK	SIZE	NO. REQ'D	LENGTH	NUTS SHAPE	NUTS NO. REQ'D	LOCATION
AB1	1"ø	276	1'-9"	Hex.	828	Railing
AB2	1"ø	80	2'-3"	Hex.	80	Bearings



MARK AB1



MARK AB2

REFERENCE DRAWINGS

Foundations - Plans Sections & Details ____ J4
Footing Reinforcement - Plans & Sections ____ J5
Abutment Masonry - Plans, Sections & Details J6
Abutment Reinforcement - Plans, Sect. & Det. ___ J7
Piers - Elevation Sections & Details ____ J8
Bridge Slab - Plan Sections & Details ____ J10
Railing & Pylon Location ____ J11
Railing & Pylon Location ____ J12

MOHAWK THRUWAY
UNDER GORDON ROAD, CO. ROAD #32 R
STA. 5967+31
SCHENECTADY COUNTY

BAR SCHEDULE

NOTES

All dimensions are given out to out.
All bars shall be deformed.
No rerolled material will be accepted.
Bar reinforcement shall be Item 28.
Anchor bolts shall be Item 29.

Prepared and Recommended:
E.H. Harlow
E.H. HARLOW, VICE PRES. N.Y. STATE P. E. LIC. NO. 20747
Jan. 7 '53 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: W. Lush
Checked by: J. Salkauskis
Traced by: P. Piasecky
Tracing Chk'by: W. Lush

DWG. NO. 481-3-10E-915

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			68	157

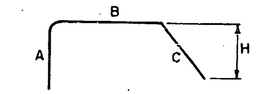
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1

68R

LOCATION OF BARS	MARK	SIZE	NO. REQ'D.	LENGTH	TYPE	A	B	C	D	E	H	R	REMARKS
FOOTINGS & PILES	F1	3/4"ϕ	50	18'-4"	VII	8"	17'-8"	6"	—	—			Longitudinal - Piles
	F2	3/4"ϕ	54	13'-4"	VIII	8"	12'-8"	6"	—	—			" - "
	F3	1/2"ϕ	66	5'-0"	str.								Transverse - Wingwalls
	F4	3/4"ϕ	8	14'-0"	str.								Longitudinal - "
	F5	↓	8	17'-6"	str.								" - "
	F6		8	14'-6"	str.								" - "
	F7		8	20'-0"	str.								" - "
	F8	↓	4	10'-9"	I	3'-6"	4'-0"	3'-3"			1'-9"		Corner Bars
	F9	3/4"ϕ	4	6'-9"	I	—	3'-6"	3'-3"			1'-9"		" "
	F10	1/2"ϕ	80	5'-6"	str.								Transverse - Abutment
	F11	3/4"ϕ	20	20'-9"	str.								Longitudinal - "
	F12	3/4"ϕ	20	19'-0"	str.								" - "
	F13	3/4"ϕ	156	7'-6"	str.								Transverse - Pier
	F14	1"ϕ	30	37'-6"	str.								Longitudinal - "
	F15	1 5/8"ϕ	36	37'-6"	str.								" - "
	F16	1/2"ϕ	488	3'-0"	III	4"						45°	Hoops in Piles
	F17	3/4"ϕ	60	15'-4"	VII	8"	14'-8"	6"	—	—			Longitudinal - Piles
	D1	3/4"ϕ	64	6'-9"	II	6"	6'-3"	—					Dowels
	D2	1"ϕ	32	6'-9"	II	6"	6'-3"	—					"
	D3	1"ϕ	32	6'-9"	II	6"	6'-3"	—					"
	D4	1 5/8"ϕ	16	6'-9"	II	6"	6'-3"	—					"
	F18	3/4"ϕ	54	12'-4"	VII	8"	11'-0"	6"	—	—			Longitudinal - Piles
ABUTMENTS WINGWALLS & PYLONS	A1	1/2"ϕ	32	4'-9"	str.								Horizontal - Pylons
	A2	3/4"ϕ	40	5'-8"	str.								Vertical - Pylons
	A3	↓	14	22'-2"	II	10'-10"	6"	10'-10"					" - Wingwalls
	A4		8	12'-11"	II	1'-9"	11'-2"	—					" - "
	A5		28	8'-6"	str.								" - "
	A6		6	13'-6"	str.								Horizontal - "
	A7		12	9'-3"	str.								" - "
	A8		10	9'-9"	str.								" - "
	A9		5	16'-9"	str.								" - "
	A10		9	12'-4"	II	1'-9"	10'-7"	—					Vertical - "
	A11		6	17'-0"	str.								Horizontal - "
	A12		5	17'-9"	str.								" - "
	A13		12	6'-0"	str.								" - "
	A14		9	13'-2"	II	1'-9"	11'-5"	—					Vertical - "
	A15		6	19'-6"	str.								Horizontal - "
	A16		80	8'-6"	str.								Vertical - Abutments
	A17	↓	10	21'-0"	I	—	18'-6"	2'-6"			1'-4"		Horizontal - "
	A18	3/4"ϕ	10	19'-8"	I	—	19'-0"	8"			4 1/2"		" - "
	A19	1/2"ϕ	60	7'-10"	II	2'-8"	2'-6"	2'-8"					" - Pedestals
	A20	3/4"ϕ	36	5'-9"	str.								Vertical - "
	A21	3/4"ϕ	10	21'-10"	I	—	18'-6"	3'-4"			1'-9"		Horizontal - Abutment
	A22	3/4"ϕ	10	18'-0"	I	—	13'-9"	4'-3"			2'-3		" - "
	A23	1/2"ϕ	48	2'-9"	I	—	2'-0"	9"			8 3/4"		Transverse Sidewalk Ramps
	A24	↓	4	6'-9"	str.								Longitudinal "
	A25		4	7'-3"	str.								" "
	A26	↓	4	16'-3"	str.								" "
	A27	1/2"ϕ	4	13'-9"	str.								" "
	A28	3/4"ϕ	6	14'-0"	str.								Horizontal - Wingwalls
PIER CAPS	G1	1 5/8"ϕ	6	30'-6"	IX	3'-1"	2'-1"	25'-4"			1'-4"		Longitudinal - Transition
	G2	↓	6	31'-10"	IV	3'-1"	2'-1"	26'-8"			1'-4"		" - "
	G3		6	13'-10"	IV	3'-1"	2'-1"	8'-8"			1'-4"		" - "
	G4	↓	6	15'-4"	IV	3'-1"	2'-1"	10'-2"			1'-4"		" - Top
	G5	1/2"	12	12'-0"	str.								
	G6	3/4"ϕ	30	7'-5"	VI	1'-9"	3'-11"				1'-3"		Horizontal Stirrups
	G7	3/8"ϕ	96	11'-2"	V	4"	3'-5"	1'-10"					Vertical "
	G8	1"ϕ	24	33'-0"	str.								Longitudinal - Bot.
	G9	3/4"ϕ	12	33'-0"	str.								Longitudinal - Side

LOCATION OF BARS	MARK	SIZE	NO. REQ'D.	LENGTH	TYPE	A	B	C	D	E	H	R	REMARKS
COLUMNS	P1	7/8"ϕ	32	18'-4"	str.								Vertical
	P2	1"□	16	18'-4"	str.								"
	P3	1"ϕ	32	18'-9"	str.								"
	P4	1 5/8"□	16	18'-9"	str.								"
	P5	7/8"ϕ	32	19'-1"	str.								"
	P6	1"□	16	19'-1"	str.								"
	P7	1/2"ϕ	192	8'-10"	III	36"						1'-4	Horizontal Hoops
	P8	"8"ϕ	48	3'-11"	str.								Lap Between Vertical Column Bars & Fly Dowels Due to Lengthing Columns 2'
STRUCTURAL SLAB	S1	5/8"ϕ	499	39'-4"	VIII	7"	38'-2"	5"	7"	5"			Transverse - Top
	S2	↓	499	38'-2"	str.								" - Bot.
	S3		8	38'-7"	VII	7"	37'-5"	5"	7"	5"			" - Top
	S4		8	37'-5"	str.								" - Bot.
	S5		8	37'-11"	VII	7"	36'-9"	5"	7"	5"			" - Top
	S6		8	36'-9"	str.								" - Bot.
	S7		8	37'-4"	VII	7"	36'-2"	5"	7"	5"			" - Top
	S8		8	36'-2"	str.								" - Bot.
	S9	↓	2	36'-8"	VII	7"	35'-6"	5"	7"	5"			" - Top
	S10	3/4"ϕ	2	35'-6"	str.								" - Bot.
	S11	1/2"ϕ	320	35'-3"	str.								Longitudinal Top & Bot.
	S12	↓	128	23'-9"	str.								" - " "
	S13		64	22'-6"	str.								" - " "
	S14		8	7'-6"	II	4'-8"	2'-10"	—					Corner Bars
	S15	↓	12	5'-4"	II	3'-2"	2'-2"	—					" "
	S16	1/2"ϕ	393	5'-0"	VIII	6"	1'-5"	10"	1'-6"	9"			Vertical Stirrups
SIDEWALK	C1	1/2"ϕ	489	3'-10"	I	—	3'-1"	9"			8 3/4"		Transverse - Sidewalk
	C2	↓	28	23'-6"	str.								Longitudinal - Sidewalk
	C3		56	35'-2"	str.								" - "
	C4	1/2"ϕ	28	30'-0"	str.								" - "

TYPE I



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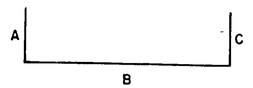

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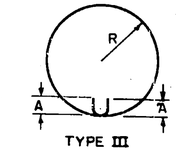

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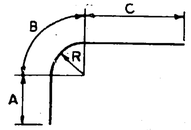

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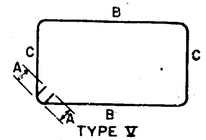

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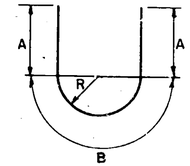
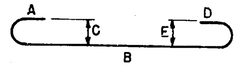
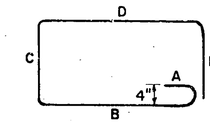


TYPE VII

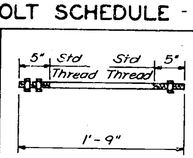


TYPE VIII



ANCHOR BOLT SCHEDULE - Item 29.

MARK	SIZE	NO. REQ'D	LENGTH	NUTS SHAPE	NUTS NO. REQ'D	LOCATION
AB1	1"ϕ	276	1'-9"	Hex.	828	Railing
AB2	1"ϕ	80	2'-3"	Hex.	80	Bearings



REFERENCE DRAWINGS

Foundations - Plans Sections & Details ____ J4
Footing Reinforcement - Plans & Sections ____ J5
Abutment Masonry - Plans, Sections & Details J6
Abutment Reinforcement - Plans, Sect. & Det. ___ J7
Piers - Elevation Sections & Details _____ J8
Bridge Slab - Plan Sections & Details _____ J10
Railing & Pylon Location _____ J11
Railing & Pylon Location _____ J12

MOHAWK THRUWAY
UNDER GORDON ROAD, CO. ROAD #32 R
STA. 5967+31
SCHENECTADY COUNTY

BAR SCHEDULE

NOTES

All dimensions are given out to out.
All bars shall be deformed.
No rerolled material will be accepted.
Bar reinforcement shall be Item 28.
Anchor bolts shall be Item 29.

Prepared and Recommended:
E.H. HARLOW, VICE PRES. N.Y. STATE P.E. LIC. NO. 20747 — DATE 4/11/62
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

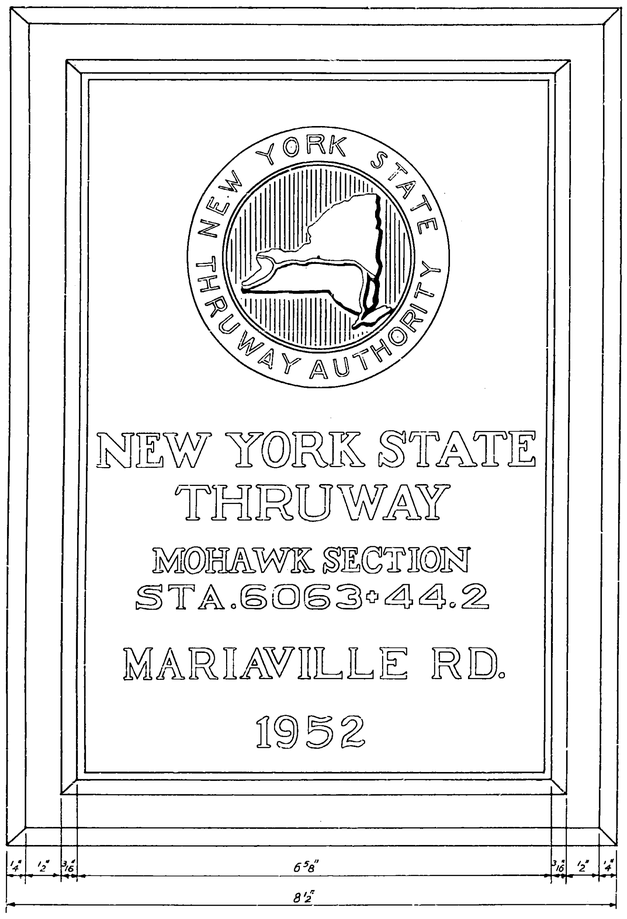
In Charge of: R. Harris
Made by: W. Lush
Checked by: J. Salkauskis
Traced by: P. Piasecky
Tracing Chkd by: W. Lush

DWG. NO. 481-3-10E-915

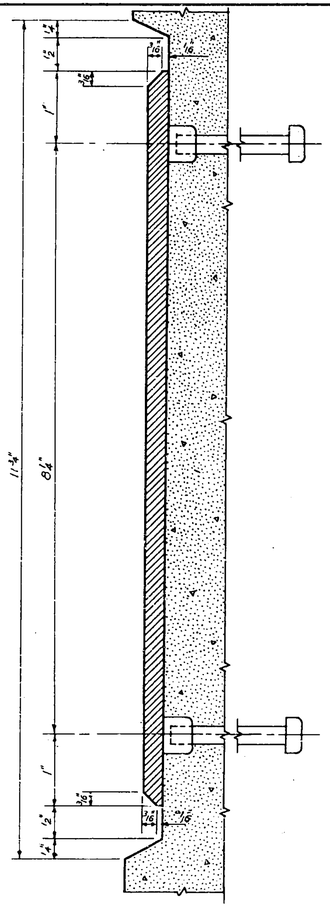
J15

M.T. 53-3 R.C. 58-19

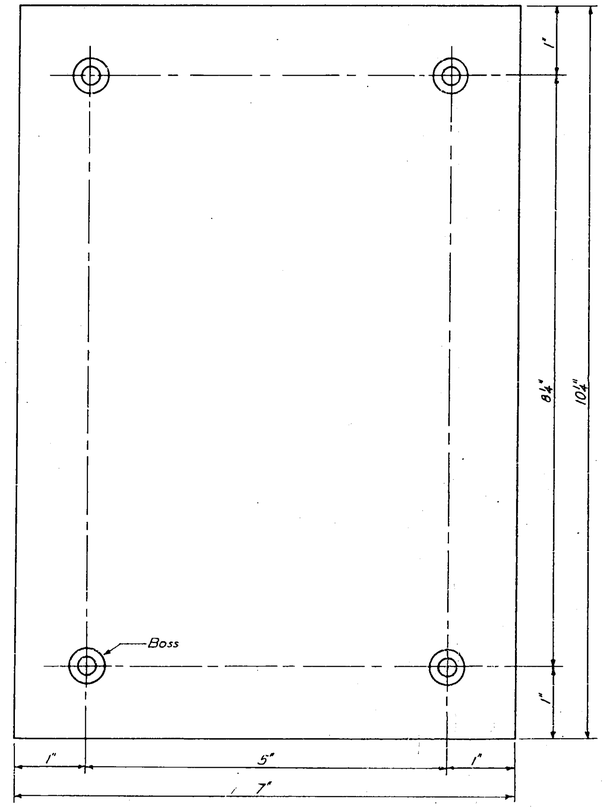
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			69	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



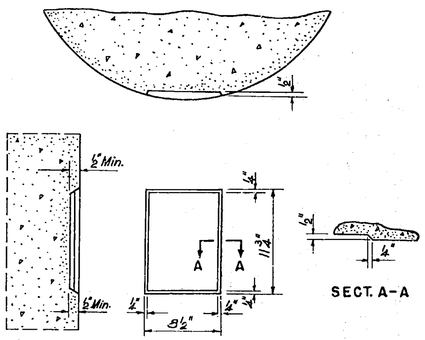
FRONT ELEVATION



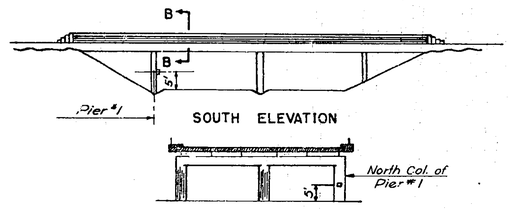
VERTICAL SECTION



TEMPLATE

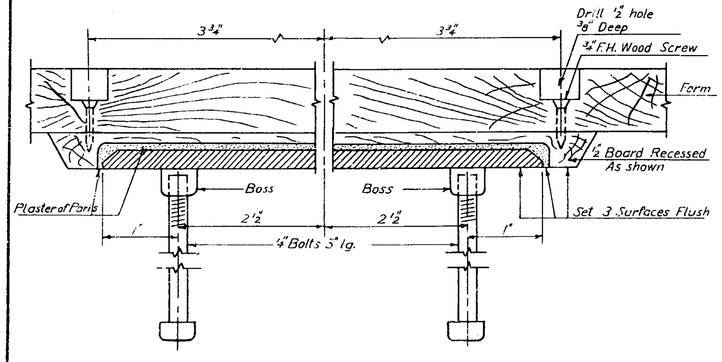


DETAIL OF NAME PLATE RECESS IN CURVED SURFACE
Scale: 1½" = 1'-0"



LOCATION OF IDENTIFICATION PLATE

Not to Scale



HORIZONTAL SECTION

IDENTIFICATION PLATE

Scale - Full Size

NOTE

Cut and bevel a 1/2"x8½" board to dimensions shown and gouge to form a recess about 5/16 deep and 1/8 larger than bronze plate. Fill recess in board with plaster of paris and set plate so that back of plate, surface of plaster and face of board form a smooth flush surface. Fasten to inside of form with wood screws. When concrete is being placed, very careful spading must be continued back of plate so that the surface of the panel will be free from bubble holes, pockets or exposed coarse aggregate. When removing forms, do not attempt to pull away the 1/2 board, but cut away both board and plaster after form has been removed.

REFERENCE DRAWINGS

General Plan & Elevation & Notes ___ K2
Piers, Elevations, Sections & Details ___ K6

MOHAWK THRUWAY
UNDER MARIAVILLE ROAD
S.H 788 ON ROUTE 159
STA. 6063+44
SCHENECTADY COUNTY

IDENTIFICATION PLATE

SCALE - AS SHOWN

DWG. NO. 481-3-10 E-1201

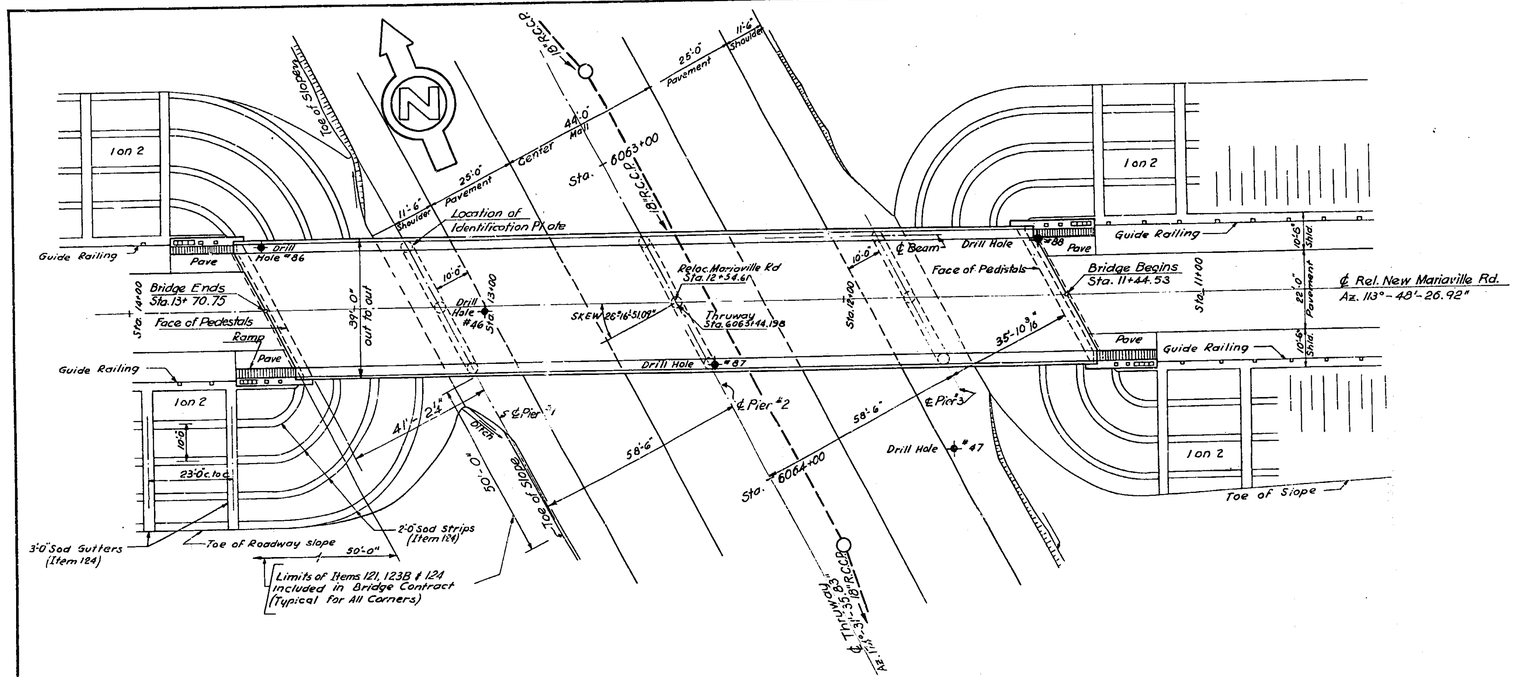
Prepared and Recommended:
E. H. Harlow
E. H. HARLOW, VICE PRES. N.Y. STATE P.E. LIC. NO. 20747
June 9 '58
DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: J. Reynolds
Checked by: A. Romc-Leroux
Traced by: J. Renolds
Tracing Chk by: A. Francken

K1

M.T. 58-3 R.C. 58-19

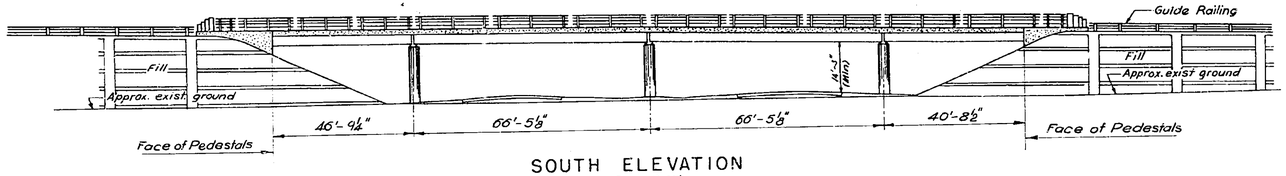
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			70	157
N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



PLAN
Scale: 1" = 20'

GENERAL NOTES

All concrete, except in pavement & pylons shall be Item 18 "Class 1A Concrete for Structures"
Concrete in pavement shall be Item 47B "Cement Concrete Pavement."
Concrete in pylons shall be Item 19 "Class 1A Concrete for Railings."
The cost of furnishing and installing caulking compound, premoulded bituminous joint material, sponge rubber joint material & copper flashing shall be included in the prices bid for the various items in this contract.
After the concrete is cured, the contractor shall apply a water proofing oil treatment as described in the specifications for M41W, to all exposed surfaces, except on the underside of slabs. Two coats of water proofing oil treatment shall be applied to the top of the slab; the second coat shall be applied 10 days prior to the placing of the pavement or sidewalk (Prices to be included in the Unit Price for Concrete Slab.)
Material & Fabrication: Specifications of New York State Department of Public Works dated Jan. 2, 1951 & current modifications & additions.
Design Specifications: AASHO 1949.
Loading: H 20-S16-44, modified.
The contractors attention is directed to the special notes for this structure which appear in the proposal. Particular attention is directed to the special notes, which briefly outline the anticipated sub-surface conditions at the site of the structure & which specify certain requirements relative to the construction. No construction joints other than those shown on the plans shall be permitted without the written permission of the Deputy Chief Engineer (Bridges). Where caulking compound is to be used, the sides of the joints shall be primed with a material satisfactory to the manufacturer of the caulking compound, 20 to 30 minutes before the compound is placed. All joints must be thoroughly clean and dry before the priming coat is applied. Work must be performed by experienced men in this type of work.
Field connections shall be made with turned bolts, rivet bolts or approved equal.
Immediately before placing pavement concrete, the concrete surface upon which it is to be placed shall be thoroughly wetted down continuously for one hour if the air temperature is above 50°F.
Sponge rubber shall meet the requirements of the standard specifications for Preformed Expansion Joint Fillers for Concrete, A.S.T.M. Designation D.544. Where steel exceeding one inch in thickness is to be welded, electrodes of classification number E 6018 or 6016 shall be used.
For design purposes, the assumed load per pile does not exceed 30 tons.
All anchor bolts shall be accurately set and securely held in position in the forms while concrete is being placed.
Cement for "Cement Concrete Pavement," Item 47B, shall consist of 87½% by volume of "Portland Cement Type 2A"; Item 15-2A and 12½% of "Natural Cement, Type N"; Item 15 N.



SOUTH ELEVATION
Scale: 1" = 20'

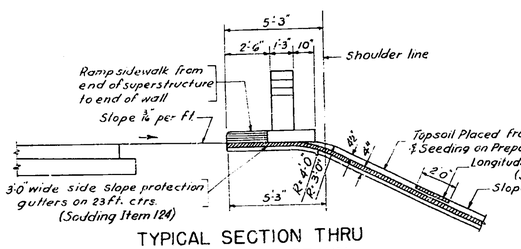
ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	COMBINED NEAT.	COMBINED ROUND.	SUPERST. NEAT.	SUPERST. ROUND.	SUBSTR. NEAT.	SUBSTR. ROUND.
5	Trench, Culvert & Bridge Excavation	C.Y.	290	320			290	320
15-2	Portland Cement Type 2	Bbl.	1121	1200	361	400	760	800
15-2A	Portland Cement Type 2A	Bbl.	132	140	132	140		
15N	Natural Cement Type N	Bbl.	180	190	71	75	109	115
18	Class IA Concrete for Structures	C.Y.	717	750	258	270	459	480
19	Class IA Concrete for Railings	C.Y.	3	4			3	4
* 25F	Steel Fabric Reinforcement	S.Y.	880	950	880	950		
28	Bar Reinforcement for Structures	Lb.	108,680	112,000	57,200	59,000	51,480	53,000
28B	Spiral Bar Shear Connectors	Lb.	3300	3400	3300	3400		
29	Structural Steel	Lb.	283,300	290,000	283,300	290,000		
37	Metal Railing	L.F.	491	505	491	505		
47B	Cement Concrete Pavement	C.Y.	89	95	89	95		
79	Dry Stone Paving	S.Y.	456	500			456	500
85C	Cast-in-place Concrete Piles	L.F.	2890	2950			2890	2950
87	Furnishing Equip. for Driving Piles	L.S.	nec.	nec.			nec.	nec.
121	Topsoil Placed from Stockpiles	C.Y.	108	120			108	120
123B	Seeding on Prepared Areas	Acre	0.29	0.300			0.29	0.3
124	Sodding	S.Y.	600	650			600	660

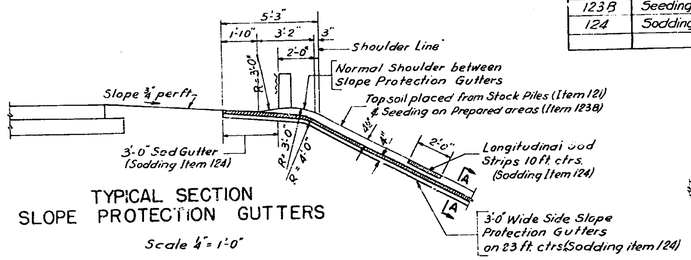
* Steel Fabric Reinforcement shall be furnished in flat sheets.

LIST OF DRAWINGS

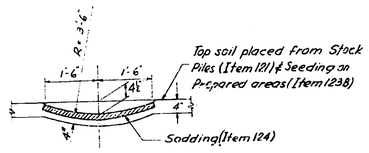
TITLE	SHEET NO.
Identification Plate	K1
General Plan, Elevation & Notes	K2
Profiles & Sections	K3
Abutments, Plans & Elevations	K4
Abutment Sections	K5
Piers, Elevations, Sections & Details	K6
Footings, Plans, Elevations & Sections	K7
Bridge Slab, Plan, Section & Details	K8
Beams & Diaphragms, Plan, Sec. & Det.	K9
Railing & Pylon Location	K10
Standard Bridge Details	K11
Standard Bridge Details	K12
Bar Schedule	K13



TYPICAL SECTION THRU GUTTER AT END OF WALL
Scale 4" = 1'-0"



TYPICAL SECTION SLOPE PROTECTION GUTTERS
Scale 4" = 1'-0"



SECTION A-A
Scale ½" = 1'-0"

MOHAWK THRUWAY
UNDER MARIAVILLE ROAD
S.H. 788 ON ROUTE 159
STA. 6063+44
SCHENECTADY COUNTY

GENERAL PLAN
ELEVATION & NOTES
SCALE AS NOTED

Prepared and Recommended:
E. H. Harlow
E.H. HARLOW, VICE PRES. N.Y. STATE P. E. LIC. NO. 20747 DATE Jan 9 '53
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

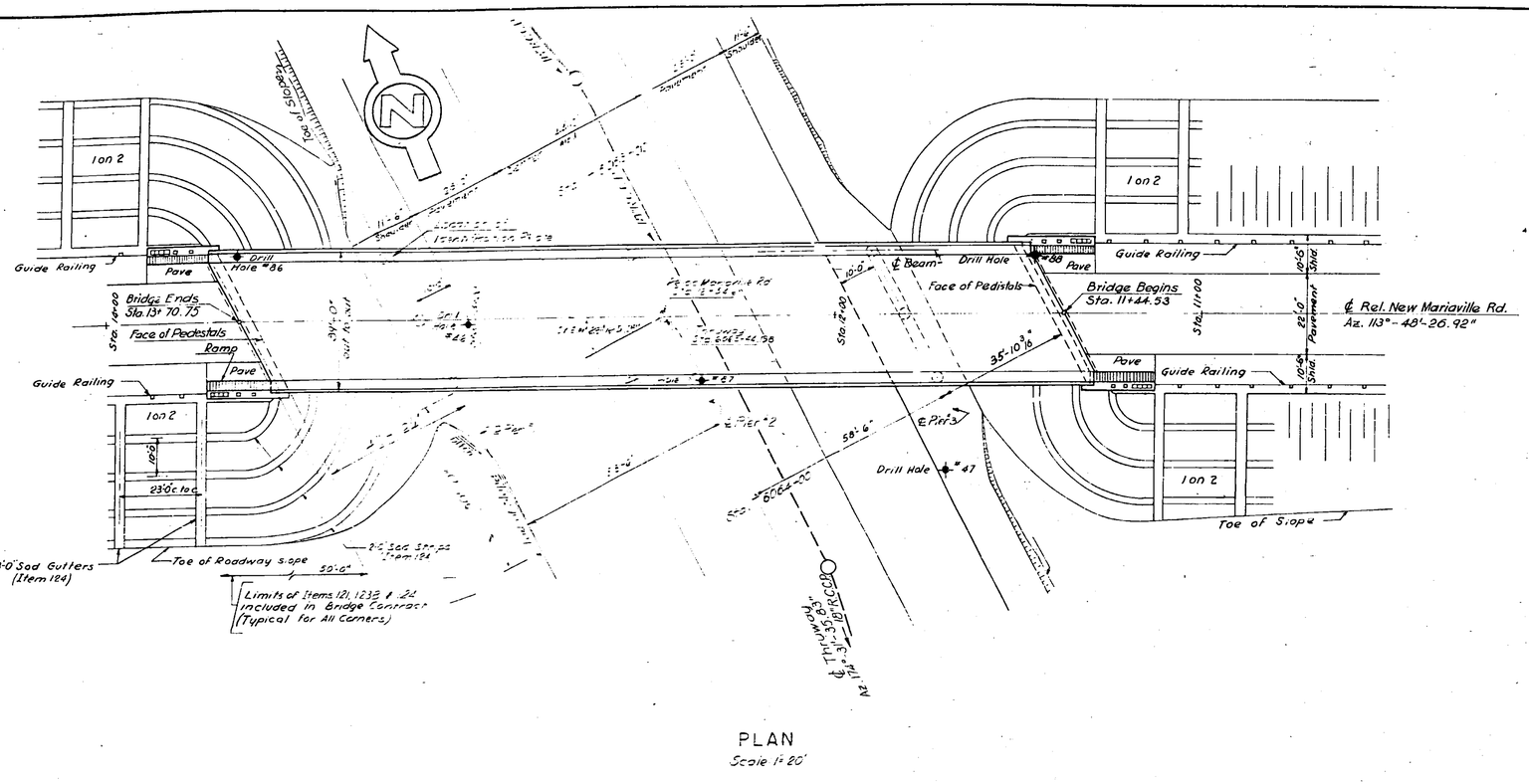
In Charge of: R. Harris
Made by: J. Reynolds
Checked by: R. Leroux
Traced by: J. Reynolds
Tracing Chk by: A. Francken

DWG. NO. 481-3-10E-1202

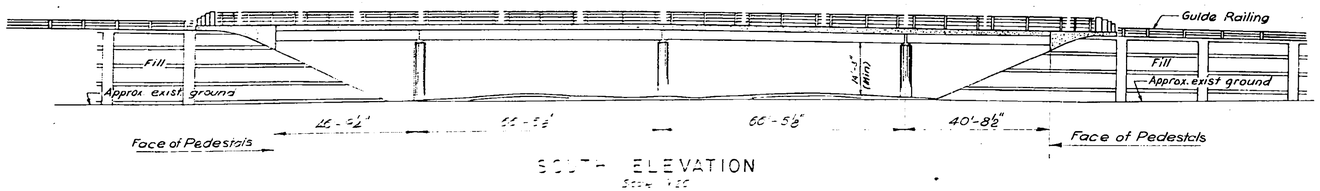
K2

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			70	157
N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				

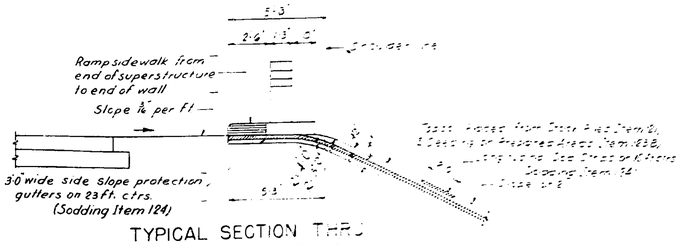
70R



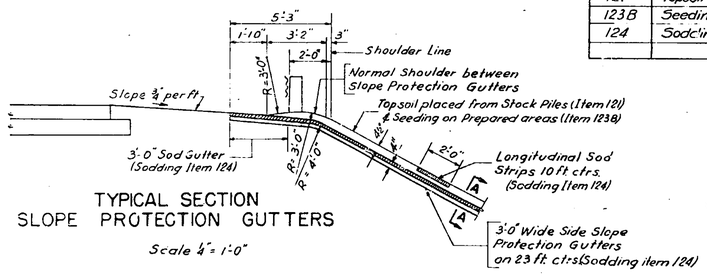
PLAN
Scale 1"=20'



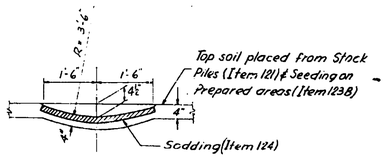
SOUTH ELEVATION
Scale 1"=10'



TYPICAL SECTION THRU GUTTER AT END OF WALL
Scale 4"=1'-0"



TYPICAL SECTION
SLOPE PROTECTION GUTTERS
Scale 4"=1'-0"



SECTION A-A
Scale 4"=1'-0"

GENERAL NOTES

All concrete, except in pavement & pylons shall be Item 18 "Class 1A Concrete for Structures"
Concrete in pavement shall be Item 47 B "Cement Concrete Pavement."
Concrete in pylons shall be Item 19 "Class 1A Concrete for Railings".
The cost of furnishing and installing caulking compound, premoulded bituminous joint material, sponge rubber joint material & copper flashing shall be included in the prices bid for the various items in this contract.
After the concrete is cured, the contractor shall apply a water proofing oil treatment, as described in the specifications for M 41 W, to all exposed surfaces, except on the underside of slabs. Two coats of water proofing oil treatment shall be applied to the top of the slab; the second coat shall be applied two days prior to the placing of the pavement or sidewalk (Prices to be included in the Unit Price for Concrete Slab.)
Material & fabrication: Specifications of New York State Department of Public Works dated Jan. 2, 1951 & current modifications & additions.
Design Specifications: AASHO 1949.
Loading: H 20-S 16-44, modified.
The contractors attention is directed to the special notes for this structure which appear in the proposal. Particular attention is directed to the special notes, which briefly outline the anticipated sub-surface conditions at the site of the structure & which specify certain requirements relative to the construction. No construction joints other than those shown on the plans shall be permitted without the written permission of the Deputy Chief Engineer (Bridges). Where caulking compound is to be used, the sides of the joints shall be primed with a material satisfactory to the manufacturer of the caulking compound, 20 to 30 minutes before the compound is placed. All joints must be thoroughly clean and dry before the priming coat is applied. Work must be performed by experienced men in this type of work.
Field connections shall be made with turned bolts, rivet bolts or approved equal.
Immediately before placing pavement concrete, the concrete surface upon which it is to be placed shall be thoroughly wetted down continuously for one hour if the air temperature is above 50°F.
Sponge rubber shall meet the requirements of the standard specifications for Preformed Expansion Joint Fillers for Concrete, A.S.T.M. Designation D.544. Where steel exceeding one inch in thickness is to be welded, electrodes of classification number E 6015 or 6016 shall be used.
For design purposes, the assumed load per pile does not exceed 30 tons.
All anchor bolts shall be accurately set and securely held in position in the forms while concrete is being placed.
Cement for "Cement Concrete Pavement," Item 47B, shall consist of 87½% by volume of "Portland Cement Type 2A"; Item 15-2A and 12½% of "Natural Cement, Type N"; Item 15 N.

ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	COMBINED NEAT.	COMBINED ROUND.	SUPERST. NEAT.	SUPERST. ROUND.	SUBSTR. NEAT.	SUBSTR. ROUND.
5	Trench, Culvert & Bridge Excavation	C.Y.	290	320			290	320
15-2	Portland Cement Type 2	Bbl.	1121	1200	361	400	760	800
15-2A	Portland Cement Type 2A	Bbl.	132	140	132	140		
15 N	Natural Cement Type N	Bbl.	180	190	71	75	109	115
18	Class 1A Concrete for Structures	C.Y.	717	750	258	270	459	480
19	Class 1A Concrete for Railings	C.Y.	3	4			3	4
* 25 F	Steel Fabric Reinforcement	S.Y.	880	950	880	950		
28	Bar Reinforcement for Structures	Lb.	108,680	112,000	57,200	59,000	51,480	53,000
28 B	Spiral Bar Shear Connectors	Lb.	3300	3400	3300	3400		
29	Structural Steel	Lb.	283,300	290,000	283,300	290,000		
37	Metal Railing	L.F.	491	505	491	505		
47 B	Cement Concrete Pavement	C.Y.	89	95	89	95		
79	Dry Stone Paving	S.Y.	456	500			456	500
85 C	Cast-in-place Concrete Piles	L.F.	2890	2950			2890	2950
87	Furnishing Equip. for Driving Piles	L.S.	nec.	nec.			nec.	nec.
121	Topsoil Placed from Stockpiles	C.Y.	108	120			108	120
123 B	Seeding on Prepared Areas	Acre	0.29	0.300			0.29	0.3
124	Sodding	S.Y.	600	600			600	660

* Steel Fabric Reinforcement shall be furnished in flat sheets.

LIST OF DRAWINGS

TITLE	SHEET NO.
Identification Plate	K1
General Plan, Elevation & Notes	K2
Profiles & Sections	K3
Abutments, Plans & Elevations	K4
Abutment Sections	K5
Piers, Elevations, Sections & Details	K6
Footings, Plans, Elevations & Sections	K7
Bridge Slab, Plan, Section & Details	K8
Beams & Diaphragms, Plan, Sec. & Det.	K9
Railing & Pylon Location	K10
Standard Bridge Details	K11
Standard Bridge Details	K12
Bar Schedule	K13

MOHAWK THRUWAY
UNDER MARIAVILLE ROAD
S.H. 788 ON ROUTE 159
STA. 6063+44
SCHENECTADY COUNTY

GENERAL PLAN
ELEVATION & NOTES
SCALE AS NOTED

Prepared and Recommended:
E. M. Harlow
E.M. HARLOW, VICE PRES. N.Y. STATE P.E. LIC. NO. 20747 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

DWG. NO. 481-3-10E-1202

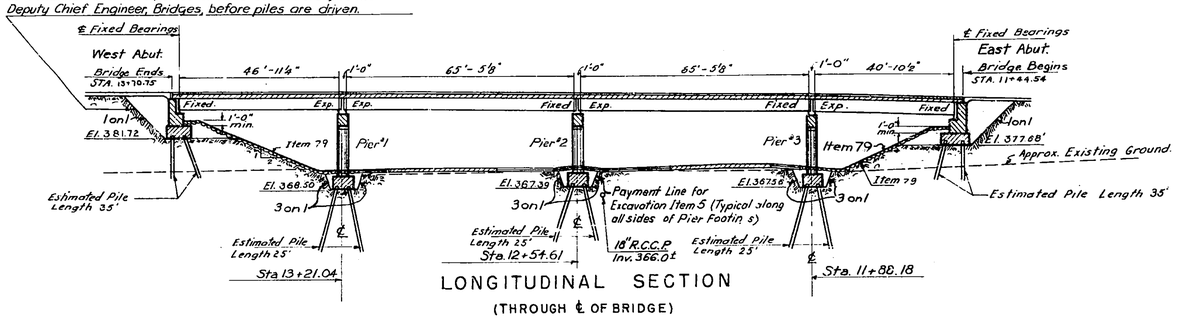
K2

24:1

M.T. 58-3 R.C. 58-19

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			71	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				

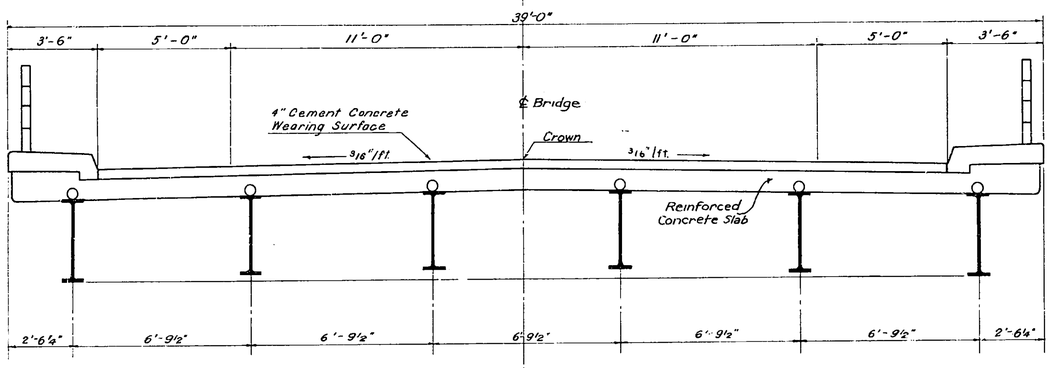
Fill to these upper limits shall be placed and consolidated in a manner and for a period of time satisfactory to the Deputy Chief Engineer, Bridges, before piles are driven.



LONGITUDINAL SECTION

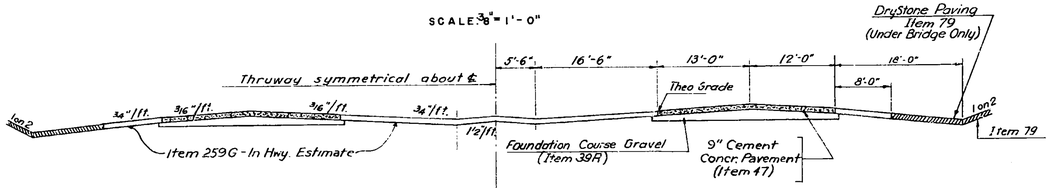
(THROUGH ℄ OF BRIDGE)

SCALE: 1" = 20'



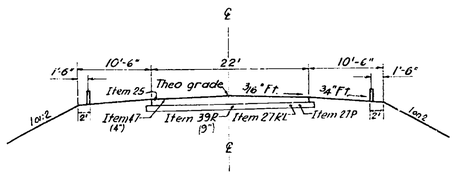
TYPICAL CROSS SECTION OF SUPERSTRUCTURE

SCALE: 3/8" = 1'-0"



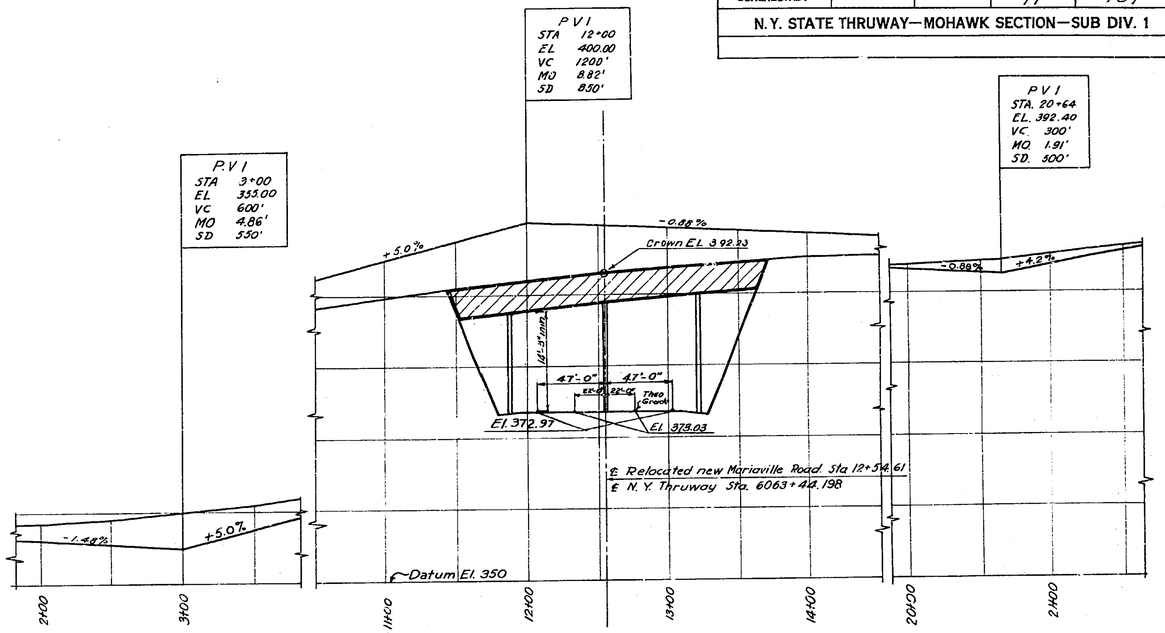
THRUWAY SECTION UNDER BRIDGE

SCALE: 1" = 10'



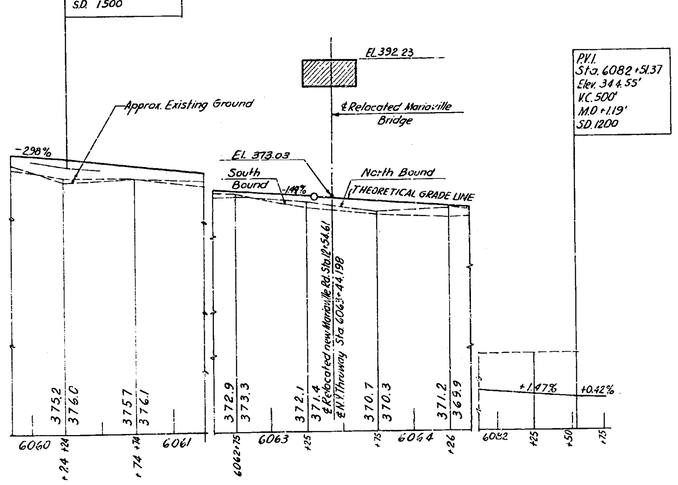
MARIAVILLE ROAD APPROACH SECTION

SCALE: 1" = 10'



PROPOSED NEW MARIAVILLE ROAD PROFILE

SCALE: HORIZ. 1"=50'
VERT. 1" =10'



THRUWAY PROFILE

SCALE: HORIZ. 1"=50'
VERT. 1"=10'

REFERENCE DRAWINGS:

Thruway, Plan & Profile ____ 481-3-11B-67
Proposed new Mariaville Road ____ 481-3-70-4
Thruway typical Section ____ 481-3-70-4
General Plan, Elev. & Notes ____ K2

MOHAWK THRUWAY
UNDER MARIAVILLE ROAD
S.H. 788 ON ROUTE 159
STA. 5063+44
SCHENECTADY COUNTY

PROFILES & SECTIONS

SCALE-AS SHOWN

Prepared and Recommended:
C.N. Harlow
E.N. HARLOW, VICE PRES. N.Y. STATE P.E. LIC. NO. 20747
Jan 9 '58
DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

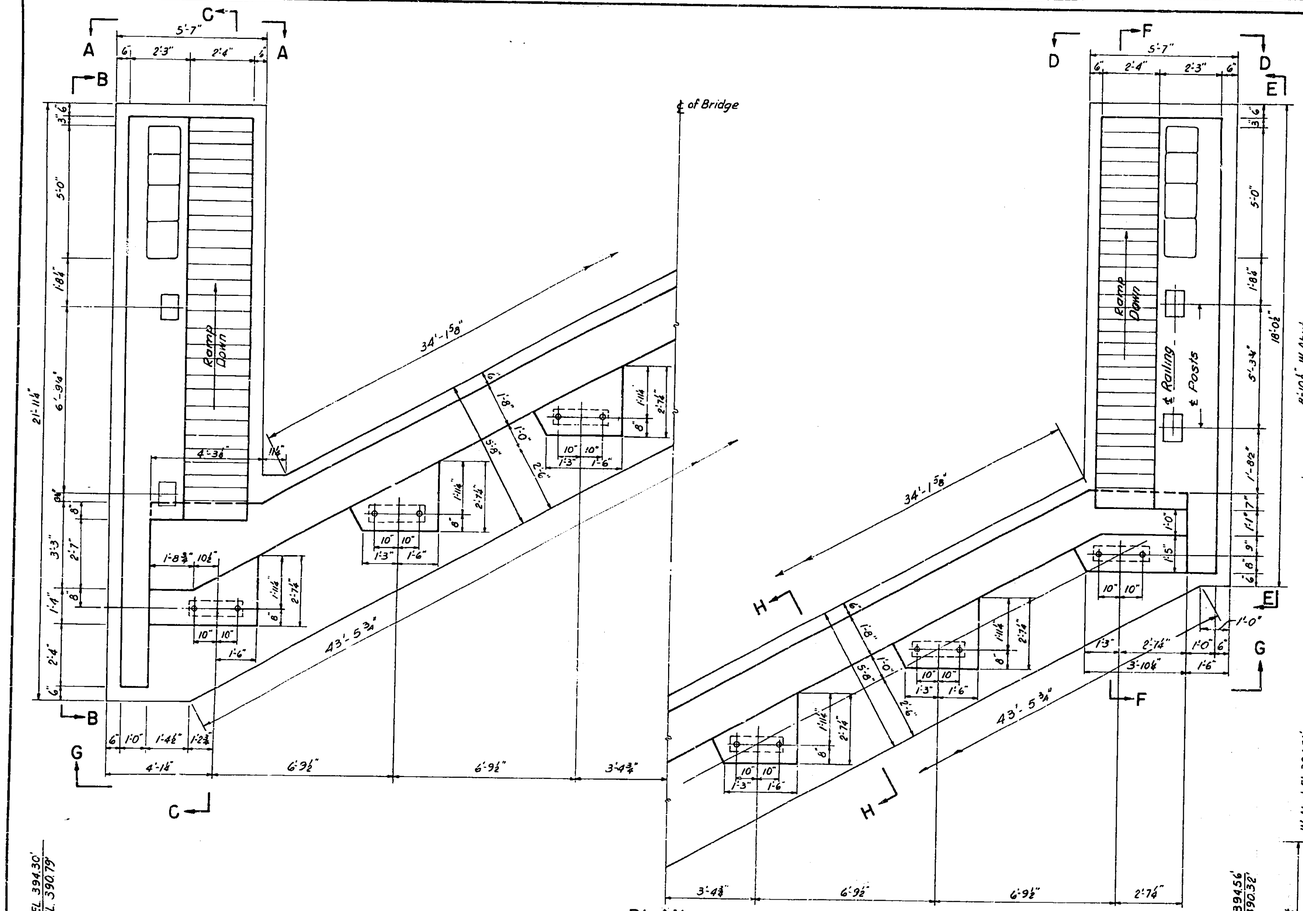
In Charge of: R. Harris
Made by: O.W. Isprew
Checked by: R. Leroux
Traced by: O. Wisprew
Tracing Chk by: A. Franken

DWG. NO. 481-3-10E-1203

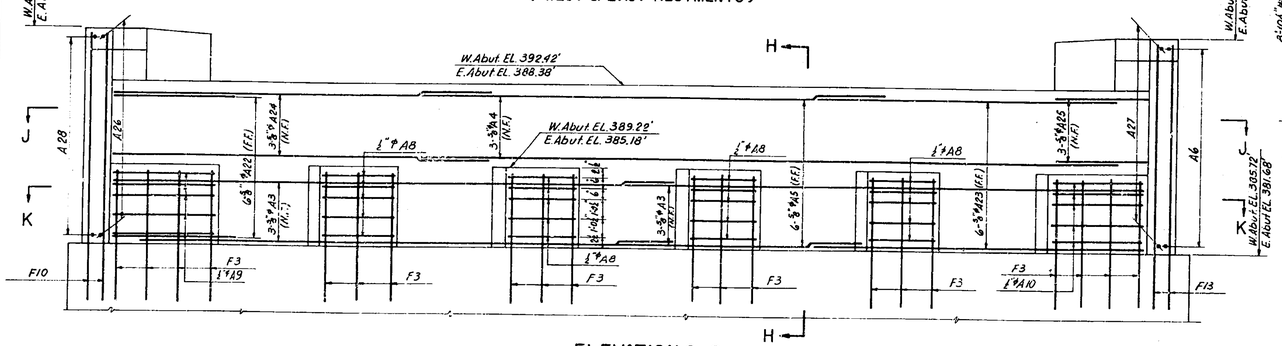
K 3

M.T. 63-3 R.C. 63-19

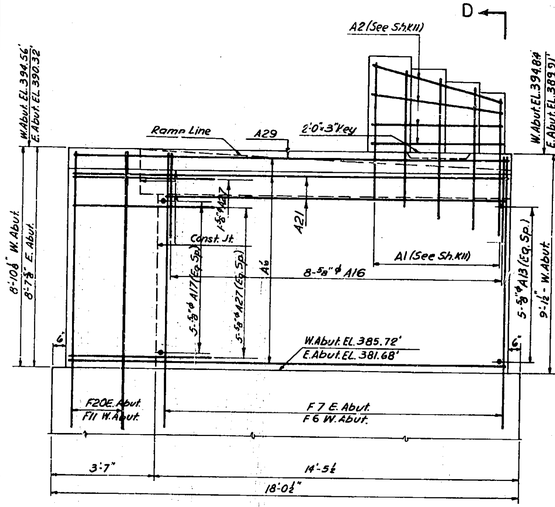
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			72	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



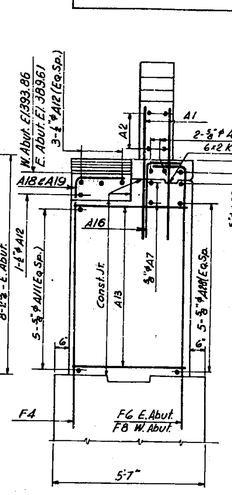
PLAN
(WEST & EAST ABUTMENTS)



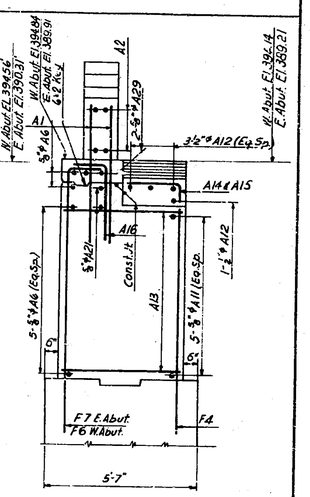
ELEVATION G-G
(WEST & EAST ABUTMENTS)



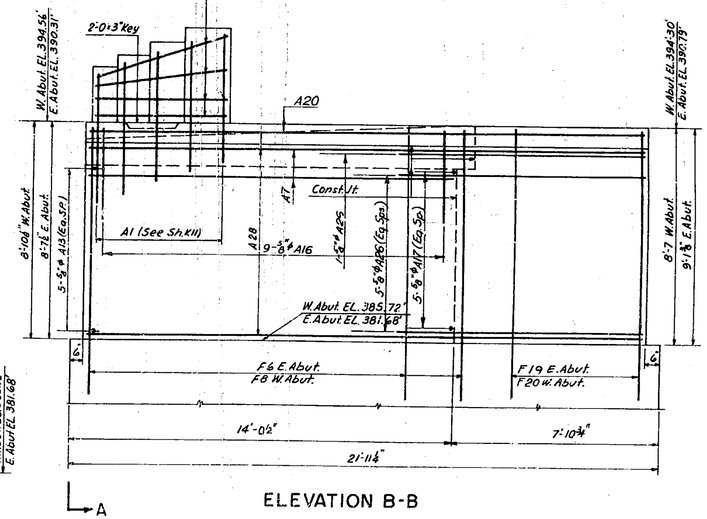
ELEVATION E-E



ELEVATION A-A



ELEVATION D-D



ELEVATION B-B

NOTES:

Placing dimensions given center to center of bars unless noted.
Where reinforcement interferes with anchor bolt sleeves, etc. shift or bend bars.
Concrete cover for reinforcement shall be 2" minimum.
For F bars see Sheet K-7.
Concrete for Abutments shall be Item 18
Concrete for Pylons shall be Item 19
Bar Reinforcement for Abutments & Pylons shall be Item 28

REFERENCE DRAWINGS

General Plan, Elevation & Notes ____ K2
Profiles & Sections ____ K3
Abutment Sections ____ K5
Footings, Plan, Elev. & Sections ____ K7
Bridge Slab, Plan, Sections & Details ____ K8
Railing & Pylons Location ____ K10
Standard Bridge Details ____ K11
Bar Schedule ____ K13

MOHAWK THRUWAY
UNDER MARIAVILLE ROAD
S.H.788 ON ROUTE 159
STA. 6063+44
SCHENECTADY COUNTY

ABUTMENTS
PLANS & ELEVATIONS
SCALE 3/8" = 1'-0"

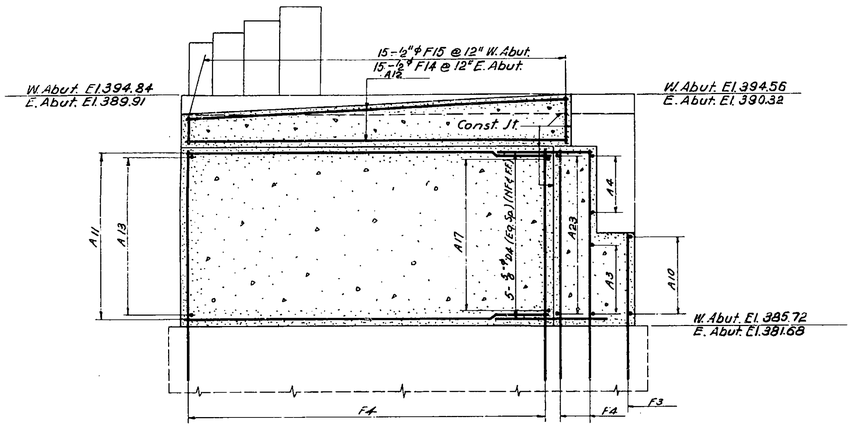
Prepared and Recommended:
E. N. Harlow
E.N. HARLOW, VICE-PRES. N.Y. STATE P. E. LIC. NO. 20747
Jan 9 '57 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R.Harris
Made by: J. Reynolds
Checked by: J.K. Davison
Traced by: J. Reynolds
Tracing Chk by: M. Uriko

DWG. NO. 481-3-10E—1204

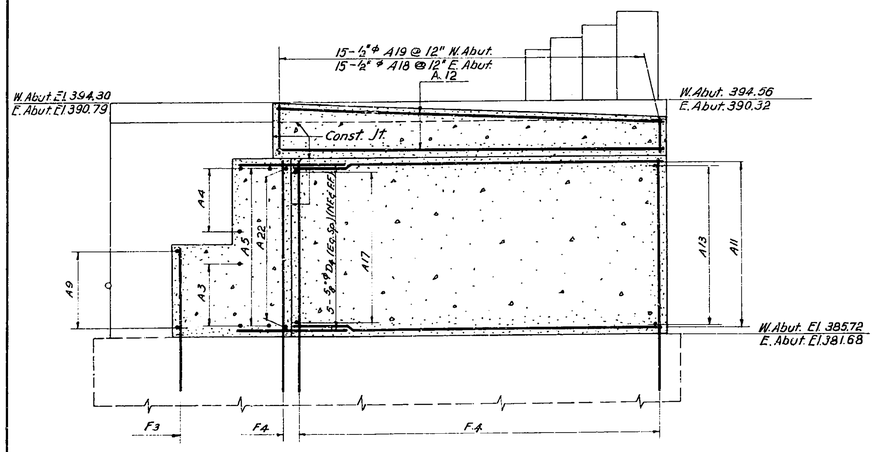
M.T. 53-3 R.C. 53-19

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			73	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



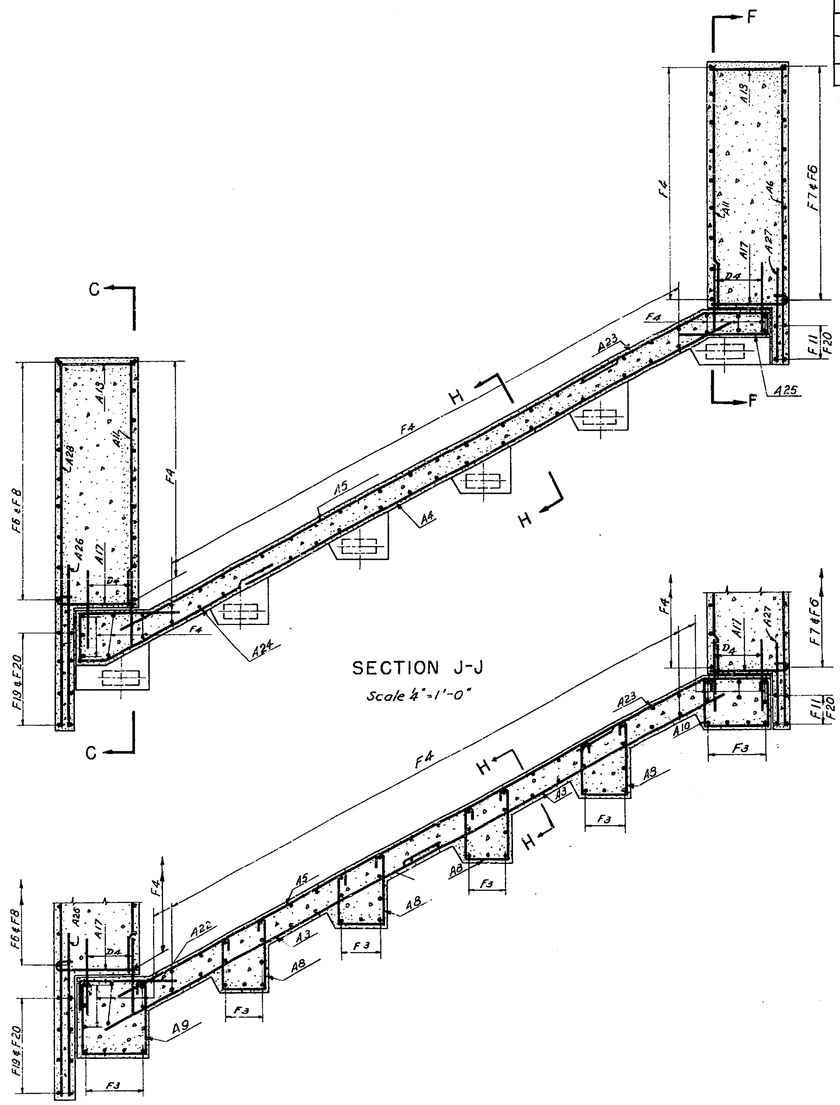
SECTION F-F

Scale ⅜"=1'-0"



SECTION C-C

Scale ⅜"=1'-0"

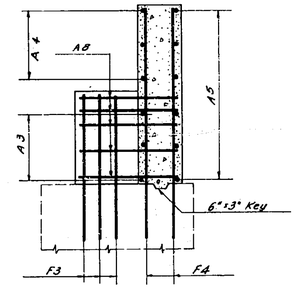


SECTION J-J

Scale 4"=1'-0"

SECTION K-K

Scale 4"=1'-0"



SECTION H-H

Scale ⅜"=1'-0"

NOTES:

Placing dimensions given center to center of bars unless noted.
Where reinforcement interferes with anchor bolt sleeves, etc., chift or bend bars.
Concrete cover for reinforcement shall be 2" min.
For F-bars see sheet K-7

REFERENCE DRAWINGS:

General Plan, Elevation & Notes	K2
Abutments, Plans & Elevations	K4
Footings, Plans Elev. & Sections	K7
Standard Bridge Details	K11
Standard Bridge Details	K12
Bar Schedule	K13

MOHAWK THRUWAY
UNDER MARIAVILLE ROAD
S.H.788 ON ROUTE 159
STA. 6063+44
SCHENECTADY COUNTY

ABUTMENT SECTIONS

SCALE — AS SHOWN

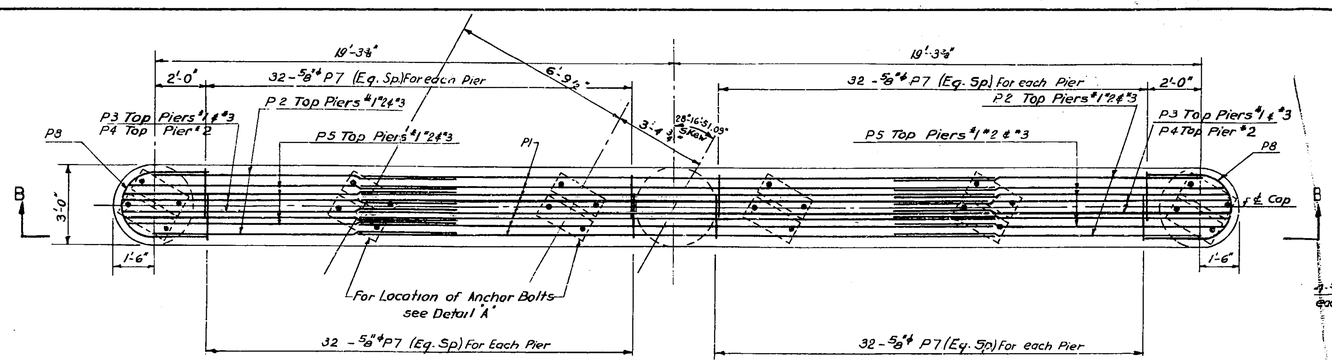
DWG. NO. 481--3- 10E — 1205

Prepared and Recommended:
E. H. Harlow
E.H.HARLOW, VICE PRES. N.Y. STATE P.E. LIC. NO. 20747
Jan 9 '53
DATE

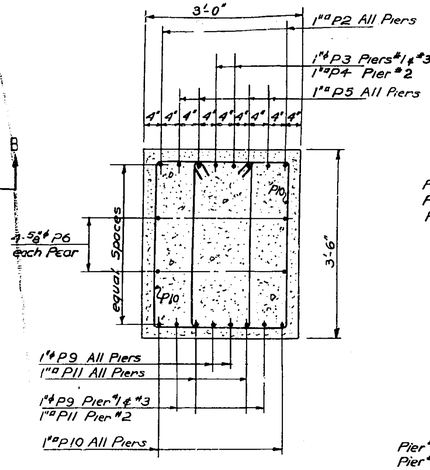
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: J.K. Davison
Checked by: R. Leroux
Traced by: O. Wisgrew
Tracing Chk by: M. Uriko

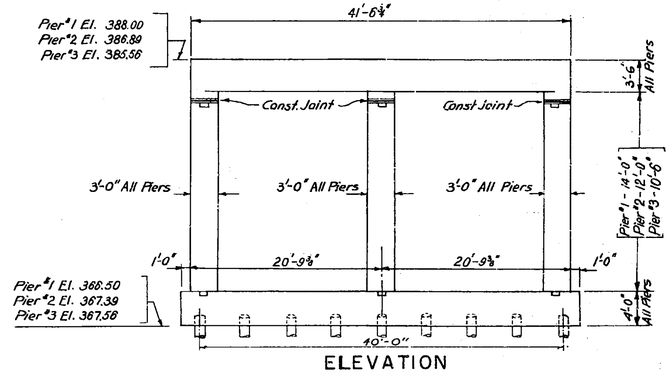
K5



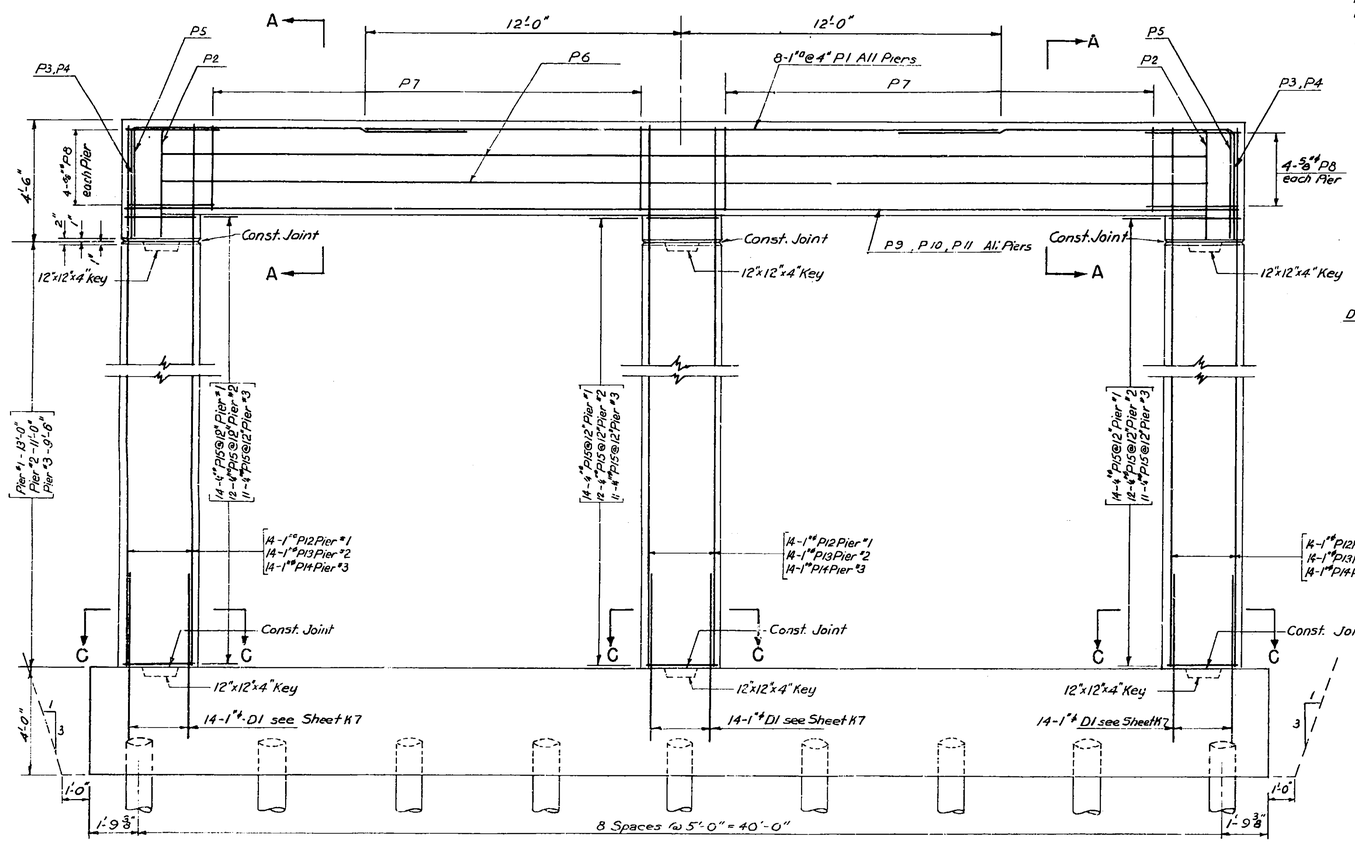
CAP PLAN
Scale 3/8"=1'-0"



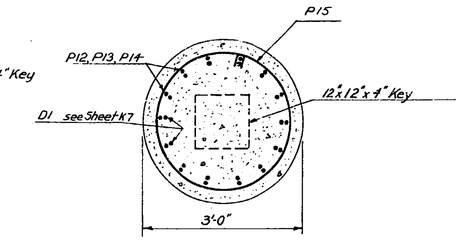
SECTION A-A
Scale 3/4"=1'-0"



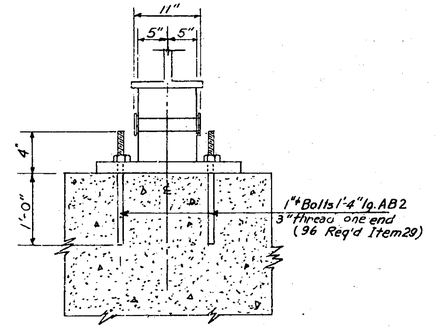
ELEVATION
Scale 3/8"=1'-0"



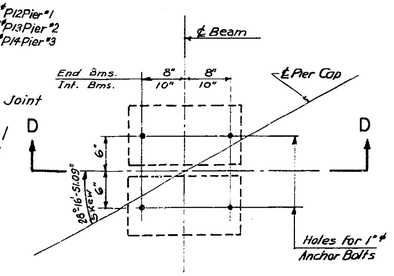
ELEVATION B-B
Scale 3/8"=1'-0"



SECTION C-C
Scale 3/4"=1'-0"



SECTION D-D
Scale 1"=1'-0"



DETAIL A
Scale 1"=1'-0"

NOTES:

Placing dimensions are given center to center of bars, unless noted.
Where reinforcement interferes with anchor bolt, sleeves, spiral connectors etc., shift or bend bars.
Concrete coverage for reinforcement shall be 2" minimum unless noted.
Concrete for Piers shall be Item 18.
Bar Reinforcement for Piers shall be Item 28.
Anchor Bolts shall be Item 29.
All anchor bolts shall be accurately set and securely held in position in the forms while concrete is being placed.

REFERENCE DRAWINGS:

General Plan, Elevation & Notes	K2
Profiles & Sections	K3
Footings, Plans, Elevations & Sect.	K7
Beams & Diaphragms, Plan, Sections & Details	K9
Standard Bridge Details	K12
Bar Schedule	K13

MOHAWK THRUWAY
UNDER MARIAVILLE ROAD
S.H. 788 ON ROUTE 159

STA. 6063 + 44
SCHENECTADY COUNTY

PIERS
ELEVATIONS, SECTIONS & DETAILS
SCALE AS NOTED

Prepared and Recommended:
E. H. Harlow — Jan 9 '53
E.H.HARLOW, VICE PRES N.Y. STATE P. E. LIC. NO. 20747 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: R. Lewicky
Checked by: M. Uriko
Traced by: R. Lewicky
Tracing Chk by: M. Uriko

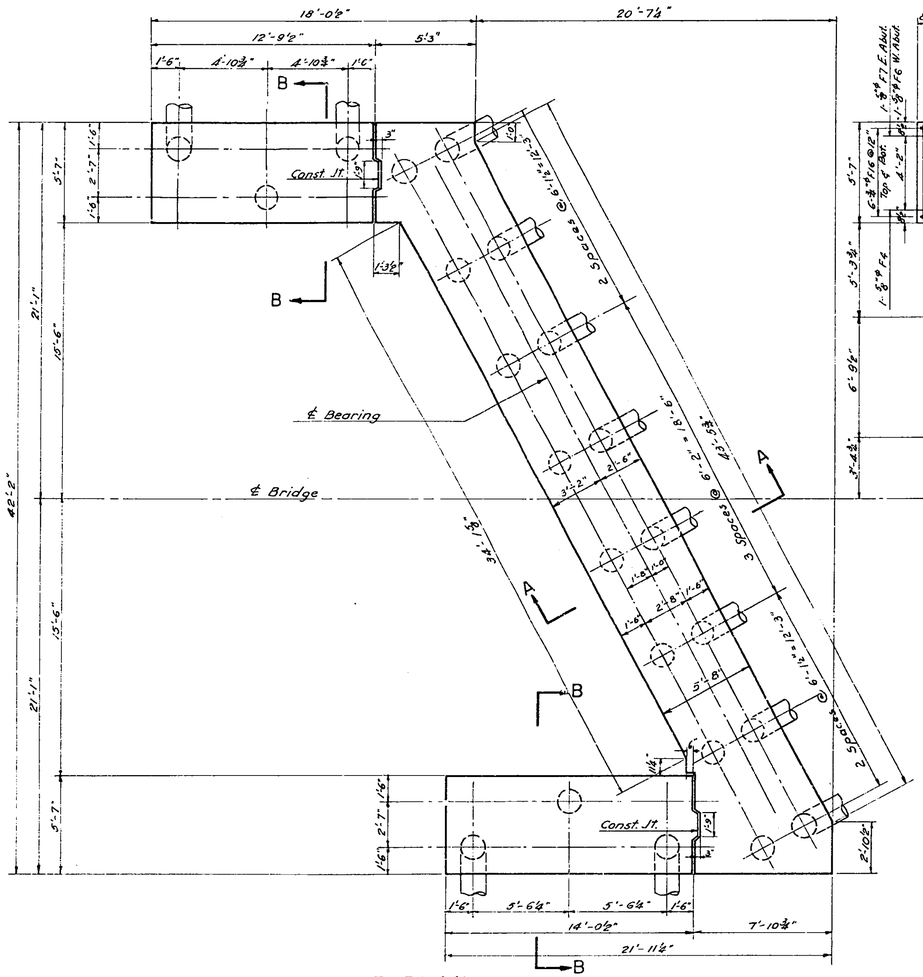
DWG. 481-3-10E-1206

K 6

24:1

M.T. 55-6 R.C. 63-19

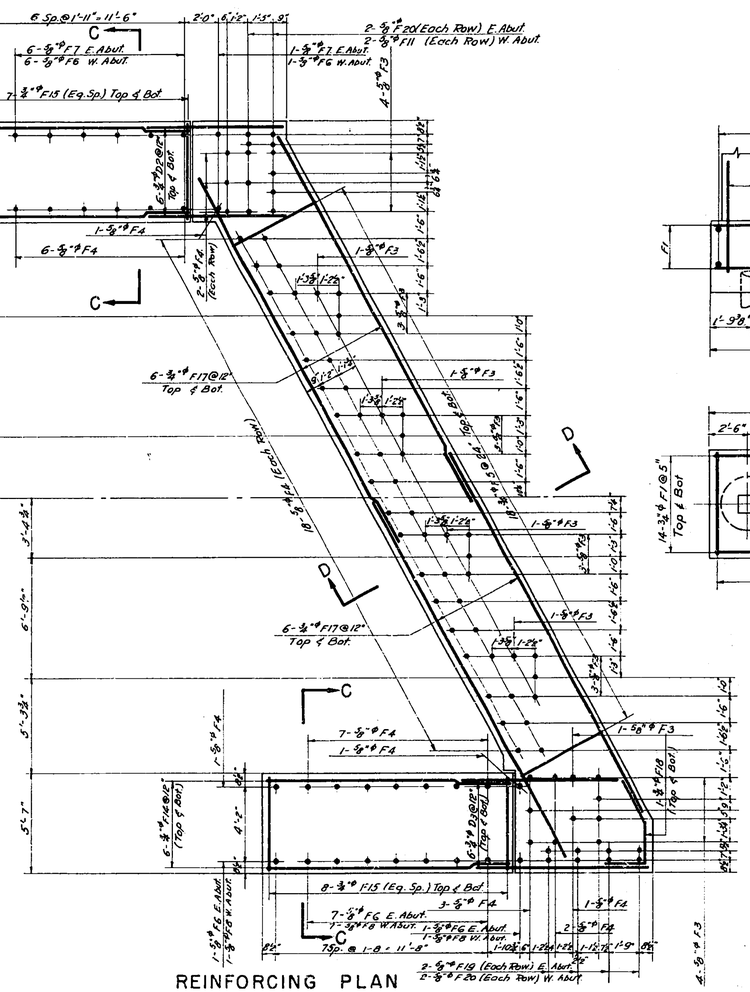
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			75	157
N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



PILE PLAN

(EAST & WEST ABUTMENT FOOTINGS)

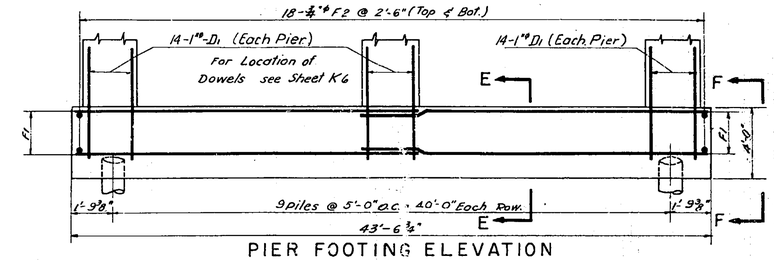
Scale: ¼" = 1'-0"



REINFORCING PLAN

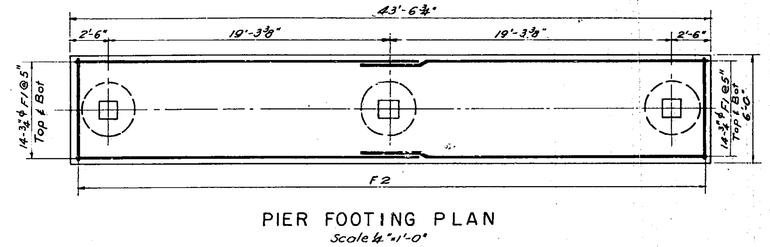
(EAST & WEST ABUTMENT FOOTINGS)

Scale ¼" = 1'-0"



PIER FOOTING ELEVATION

Scale ¼" = 1'-0"



PIER FOOTING PLAN

Scale ¼" = 1'-0"

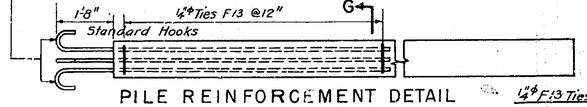
NOTE:

Reinforcing cages shall be fabricated before being placed and held in position while concrete is being poured.

Estimated length of piles - 35'-0" For East & West Abut. 25'0" For Piers #1, #2 & #3

Vert. Piles East & West Abut. each 6-⅞"ϕ x 14'-0" F9. Batter Piles East & West Abut. each 6-⅞"ϕ x 20'-0" F10

Batter Piles, Piers #1, #2, #3 each 6-⅞"ϕ x 15'-0" F12



PILE REINFORCEMENT DETAIL

(TYPICAL FOR ALL PILES)

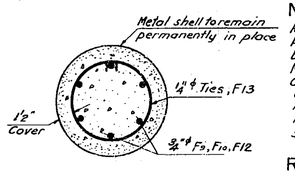
Scale ½" = 1'-0"

½"ϕ F13 Ties 136½ Reqd.

12 each For Vert. Piles W. & E. Abut.

18 each For Batter Piles W. & E. Abut.

13 each for Batter Piles Piers #1 & #3



SECTION G-G

Scale 1½" = 1'-0"

NOTES:

All piles shall be Cast in place Concrete Piles, Item 85C.

Placing dimensions are given center to center of bars unless noted.

Minimum lap length for splices shall be 40 diam.

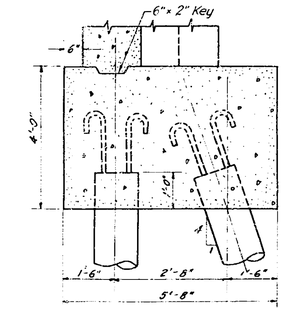
Concrete cover for reinforcement shall be 3" minimum unless noted.

All concrete, Item 18. All reinforcement Item 28.

For design purposes, load assumed not to exceed 30 Tons per pile.

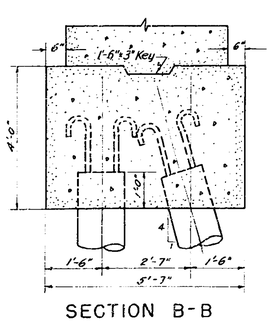
REFERENCE DRAWINGS:

Abutments, Plans & Elevations K4
Abutment Sections K5
Piers, Elevations, Sections & Details K6
Bar Schedule K13



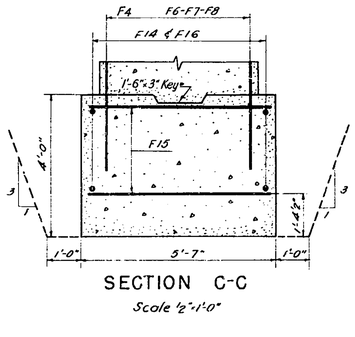
SECTION A-A

Scale ½" = 1'-0"



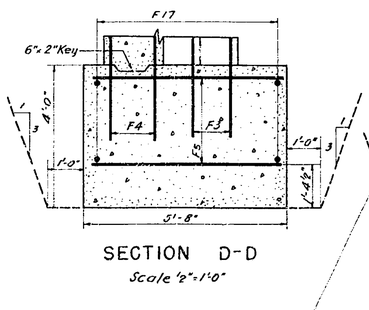
SECTION B-B

Scale ½" = 1'-0"



SECTION C-C

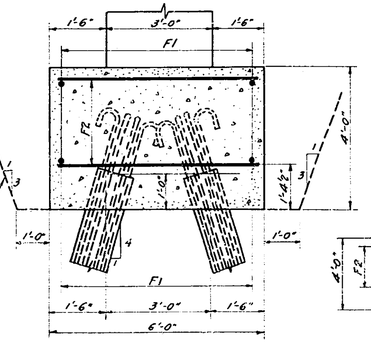
Scale ½" = 1'-0"



SECTION D-D

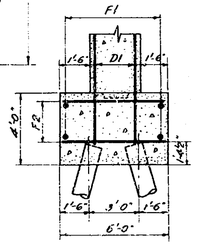
Scale ½" = 1'-0"

Payment line for Excavation (Item 5) (Typical along all sides of Pier footings)



SECTION E-E

Scale ½" = 1'-0"



ELEVATION F-F

Scale ½" = 1'-0"

MOHAWK THRUWAY
UNDER MARIAVILLE ROAD
S.H. 788 ON ROUTE 159
STA. 6063 + 44
SCHENECTADY COUNTY

FOOTINGS
PLANS, ELEVATIONS & SECTIONS
SCALE AS SHOWN

DWG. NO. 481-3-10E-1207

Prepared and Recommended:
E.M. Harlow
E.M. HARLOW, VICE PRES. N.Y. STATE P.E. LIC. NO. 20747
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

Jan 9 '63
DATE

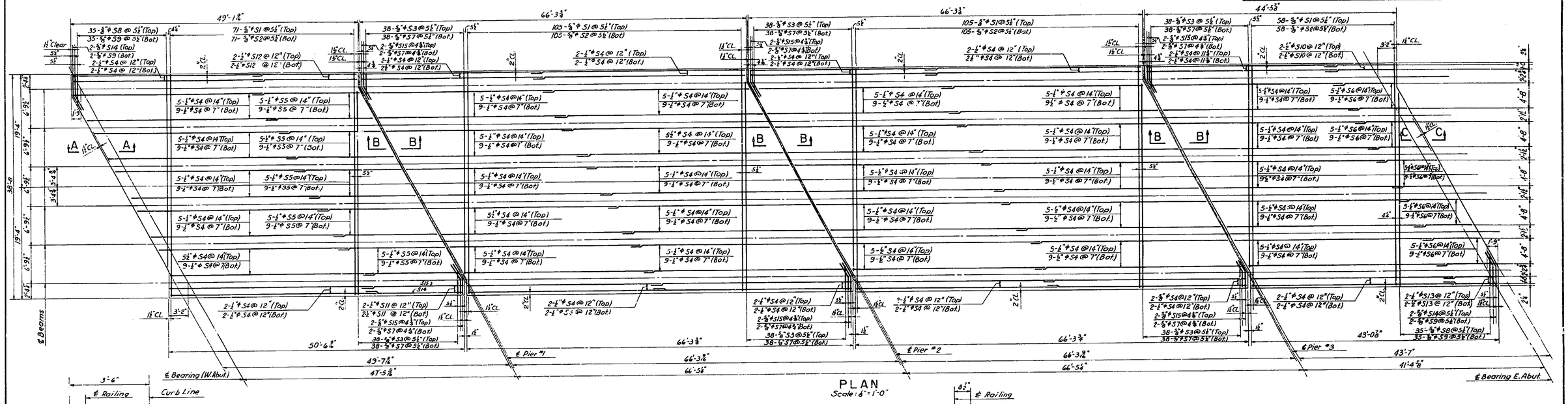
In Charge of: R. Harris
Made by: J.K. Davison
Checked by: P. Leroux
Traced by: O. Wisprew
Tracing Chk. by: M. Uriko

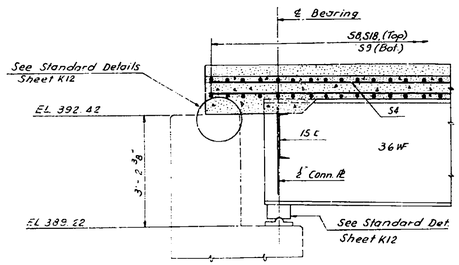
24:1

M.T. 63-5 R.C. 53-19

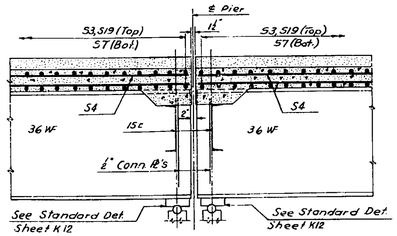
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			76	157

N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1

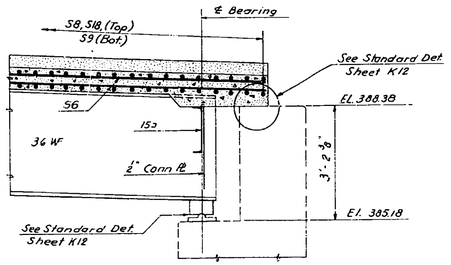




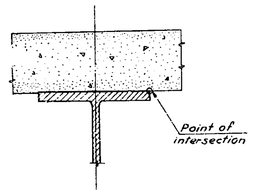
SECTION A-A
Scale: ½"=1'-0"



SECTION B-B
Scale: ½"=1'-0"



SECTION C-C
Scale: ½"=1'-0"



DETAIL "D"
Scale 1½"=1'-0"

NOTES:

Placing dimensions are given center to center of bars, unless noted.
Where reinforcement interferes with anchor bolts sleeves, spiral connectors etc., shift or bend bars.
Minimum lap length for splices shall be 40 bar diameters.
All splices shall be staggered.
Concrete for Bridge Slab shall be Item 18.
Bar Reinforcement for Bridge Slab shall be Item 28.
Cover, measured from the surface of the concrete to the face of any reinforcing bar shall be 1" except as shown.

REFERENCE DRAWINGS:

General Plan & Notes ____ K2
Profiles & Sections ____ K3
Abutments, Plans & Elevations ____ K4
Abutment Sections ____ K5
Piers, Elevations, Sections & Det. ____ K6
Beams & Diaphragms Plan, Sec. & Det. ____ K9
Railing & Pylon Location ____ K10
Standard Bridge Details ____ K11
Bar Schedule ____ K13

MOHAWK THRUWAY
UNDER MARIAVILLE ROAD
S.H.788 ON ROUTE 159
STA. 6063+44
SCHENECTADY COUNTY

BRIDGE SLAB
PLAN, SECTIONS & DETAIL
SCALE - AS SHOWN

Prepared and Recommended:
E.H. Harlow
E.H. HARLOW, VICE PRES. N.Y. STATE P.E. LIC. NO. 20747 DATE Jan 9 '73

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

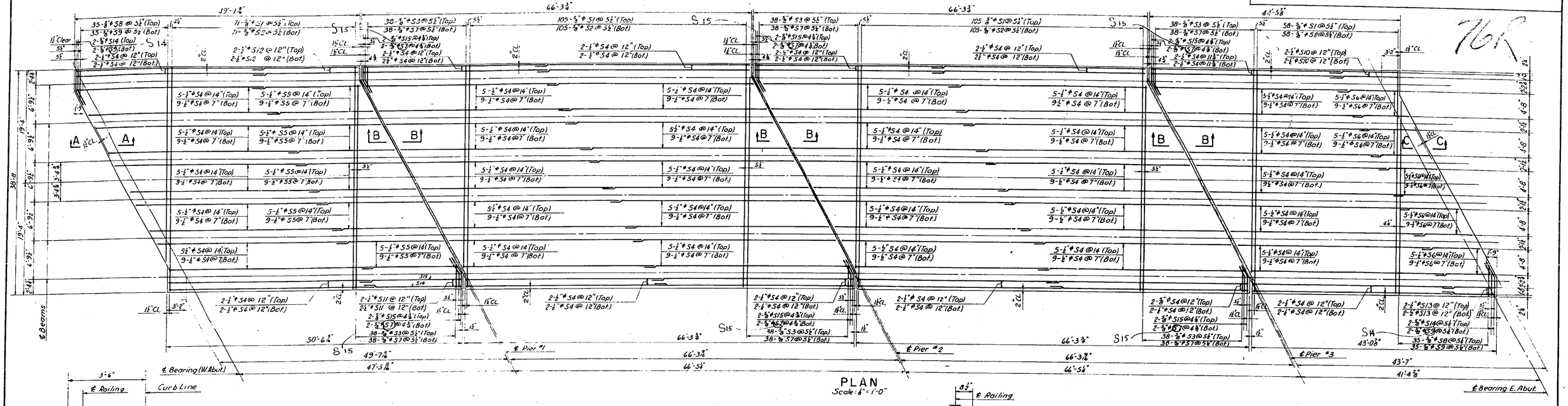
In Charge of: R. Harris
Made by: M. Uriko
Checked by: J.K. Davison
Traced by: J. Reynolds
Tracing Chk by: M. Uriko

DWG. NO. 481-3-10E-1208

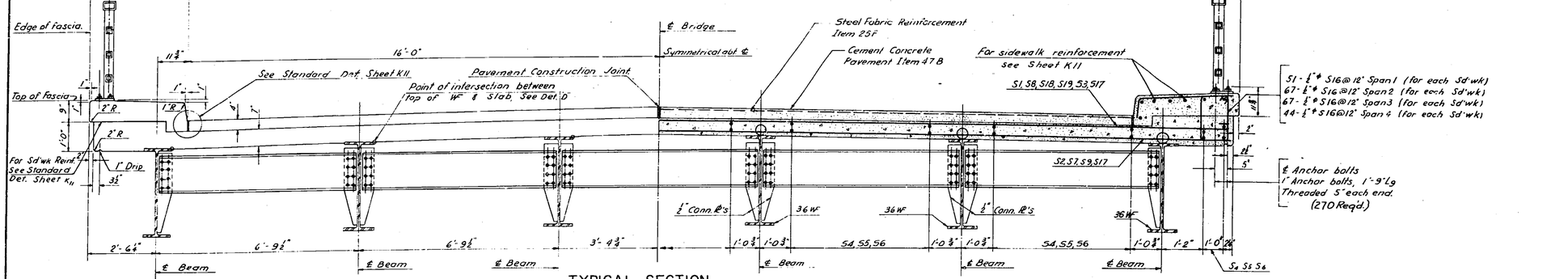
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			76	157

N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1

76K

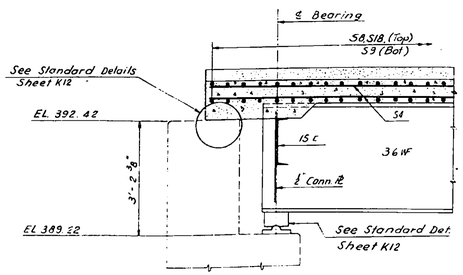


PLAN
Scale: 1/8" = 1'-0"

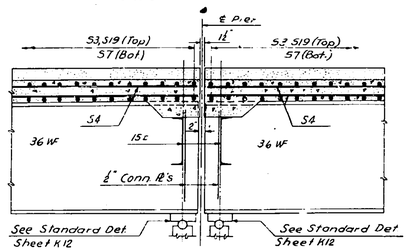


51 - 5/8" ϕ S16 @ 12" Span 1 (for each Sd'wk)
67 - 5/8" ϕ S16 @ 12" Span 2 (for each Sd'wk)
67 - 5/8" ϕ S16 @ 12" Span 3 (for each Sd'wk)
44 - 5/8" ϕ S16 @ 12" Span 4 (for each Sd'wk)

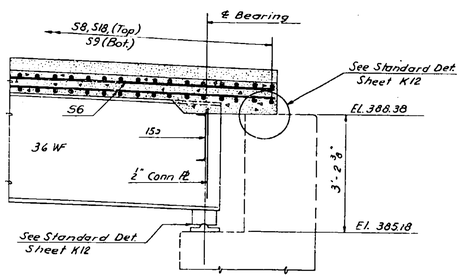
TYPICAL SECTION
(NORMAL TO BEAMS)
Scale: 1/2" = 1'-0"



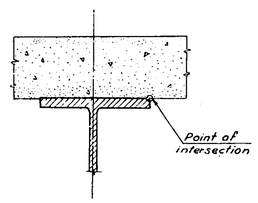
SECTION A-A
Scale 1/2" = 1'-0"



SECTION B-B
Scale 1/2" = 1'-0"



SECTION C-C
Scale 1/2" = 1'-0"



DETAIL "D"
Scale 1 1/2" = 1'-0"

NOTES:

Placing dimensions are given center to center of bars, unless noted.
Where reinforcement interferes with anchor bolts sleeves, spiral connectors etc., shift or bend bars.
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Bar Reinforcement for Bridge Slab shall be Item 28.
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REFERENCE DRAWINGS:

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Railing & Pylon Location	K10
Standard Bridge Details	K11
Bar Schedule	K13

MOHAWK THRUWAY
UNDER MARIAVILLE ROAD
S.H.788 ON ROUTE 159
STA. 6063 + 44
SCHENECTADY COUNTY

BRIDGE SLAB
PLAN, SECTIONS & DETAIL
SCALE — AS SHOWN

DWG. NO. 481-3-10E-1208

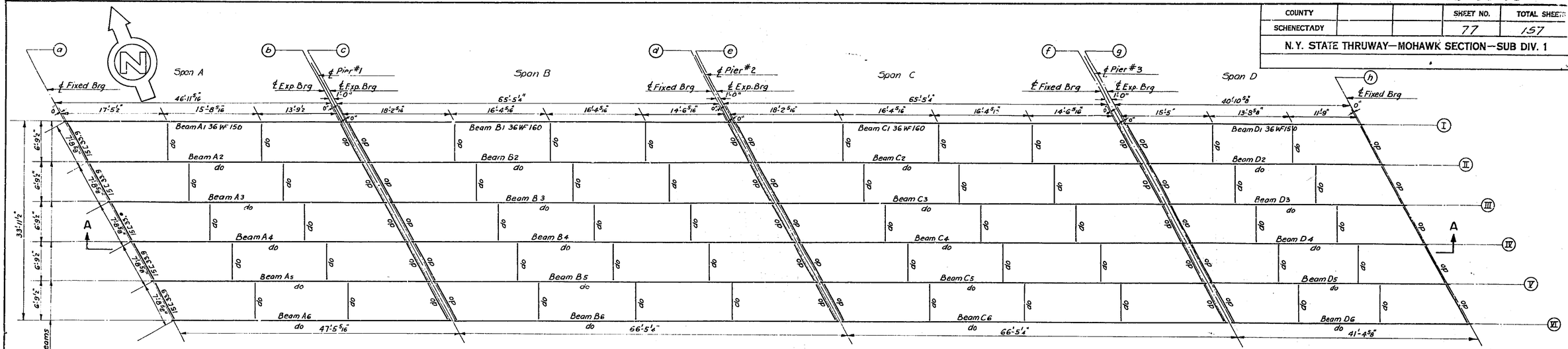
Prepared and Recommended:
E.H. Harlowige
E H HARLOWIGE PRES N.Y. STATE P. E. LIC. NO. 20747 DATE 1-29-63
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: P. Harris
Made by: M. Uriko
Checked by: J.K. Davison
Traced by: Reynolds
Tracing Chk by: M. Uriko

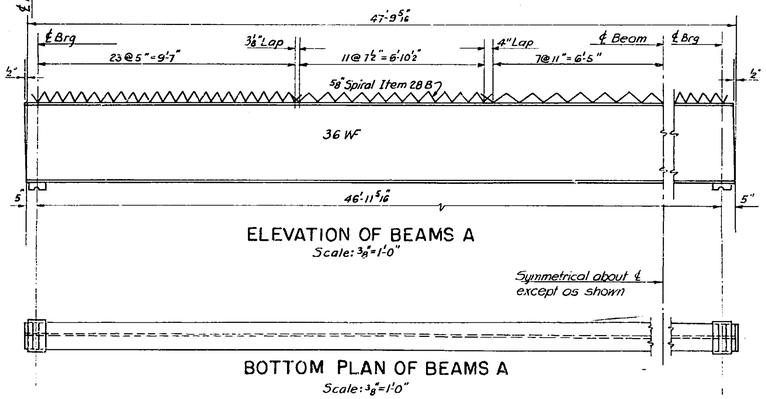
KB

M.T. 55-3 R.C. 38 19

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			77	157
N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



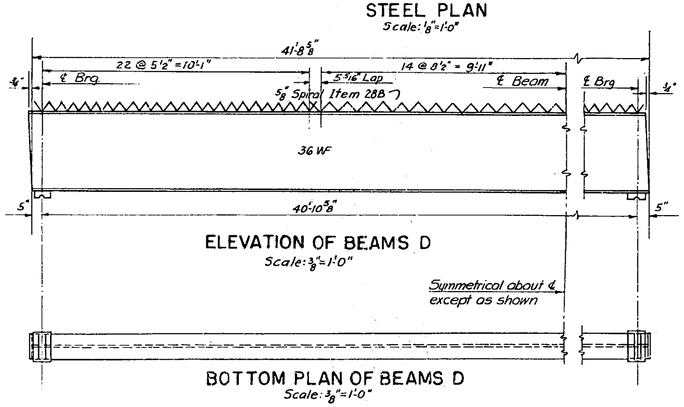
STEEL PLAN
Scale: 1/8"=1'-0"



ELEVATION OF BEAMS A
Scale: 3/8"=1'-0"

Symmetrical about ℄ except as shown

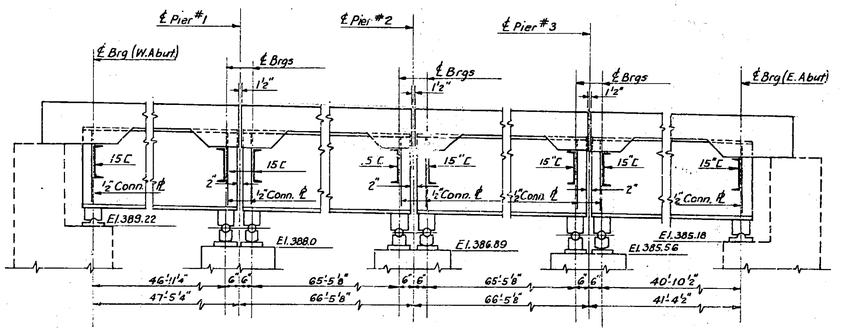
BOTTOM PLAN OF BEAMS A
Scale: 3/8"=1'-0"



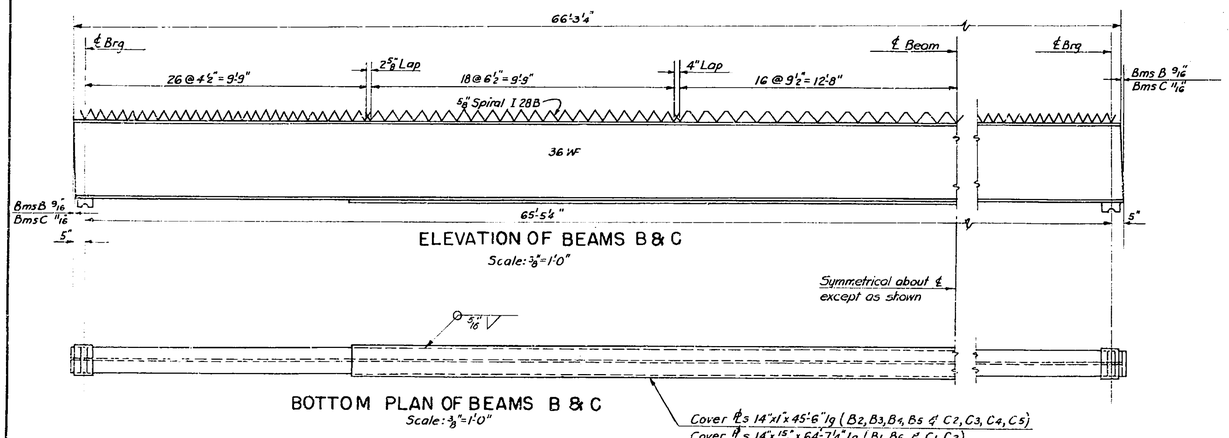
ELEVATION OF BEAMS D
Scale: 3/8"=1'-0"

Symmetrical about ℄ except as shown

BOTTOM PLAN OF BEAMS D
Scale: 3/8"=1'-0"



SECTION A-A
Scale: 3/8"=1'-0"



ELEVATION OF BEAMS B & C
Scale: 3/8"=1'-0"

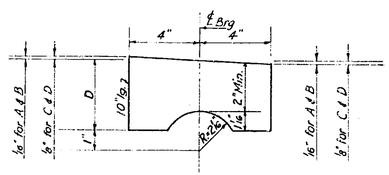
Symmetrical about ℄ except as shown

BOTTOM PLAN OF BEAMS B & C
Scale: 3/8"=1'-0"

Cover ℄s 14"x1"x45'-6"lg (B2, B3, B4, B5 & C2, C3, C4, C5)
Cover ℄s 14"x 15/16"x 64'-7 1/4"lg (B1, B6 & C1, C2)

W. Abut.		Pier #1				Pier #2				Pier #3				E. Abut.	
Shoe	D	Shoe	D	Shoe	D	Shoe	D	Shoe	D	Shoe	D	Shoe	D	Shoe	D
Ia	5 3/4"	Ib	6 5/8"	Ic	6 5/16"	Id	7 3/16"	Ie	7"	If	7 7/8"	Ig	7 3/4"	Ih	8 3/16"
IIa	6 1/2"	IIb	7 1/4"	IIc	6 15/16"	IId	7 1/16"	IIe	7 1/2"	IIf	8 3/16"	IIg	8 1/16"	IIh	8 7/16"
IIIa	7 1/4"	IIIb	7 7/8"	IIIc	7 9/16"	IIId	8 1/4"	IIIe	8"	IIIf	8 9/16"	IIIg	8 7/16"	IIIh	8 11/16"
IVa	8 3/4"	IVb	7 1/4"	IVc	6 15/16"	IVd	7 7/16"	IVe	7 1/4"	IVf	7 5/8"	IVg	7 1/2"	IVh	7 11/16"
Va	4 7/8"	Vb	5 5/16"	Vc	5"	Vd	5 3/8"	Ve	5 3/16"	Vf	5 7/16"	Vg	5 5/16"	Vh	5 3/8"
VIa	3 1/16"	VIb	3 3/8"	VIc	3 1/16"	VId	3 5/16"	VIe	3 1/16"	VIf	3 3/8"	VIg	3 1/16"	VIh	3 1/16"

BEARING SHOE DIMENSIONS



BEARING SHOE
Scale: 3"=1'-0"

NOTES

For spiral and bearing details see Sheet K12
Camber 1 1/2" A & D beams } D.L. ℄ Curvature
Camber 2 3/4" B & C beams
Structural Steel shall be Item 29
For detail of connection 15"C to beams, see Sheet K12.
Structural Steel shall be Item 29.

REFERENCE DRAWINGS

General Plan, Elevation & Notes K2
Profiles & Sections K3
Abutments, Plans & Elevations K4
Piers, Elevations, Sections & Details K6
Bridge Slab, Plan, Section & Details K8
Standard Bridge Details K11
Standard Bridge Details K12

MOHAWK THRUWAY
UNDER MARIAVILLE ROAD
SH. 788 ON ROUTE 159
STA. 6063 + 44
SCHENECTADY COUNTY

BEAMS & DIAPHRAGMS

PLAN, SECTION & DETAILS
SCALE AS NOTED

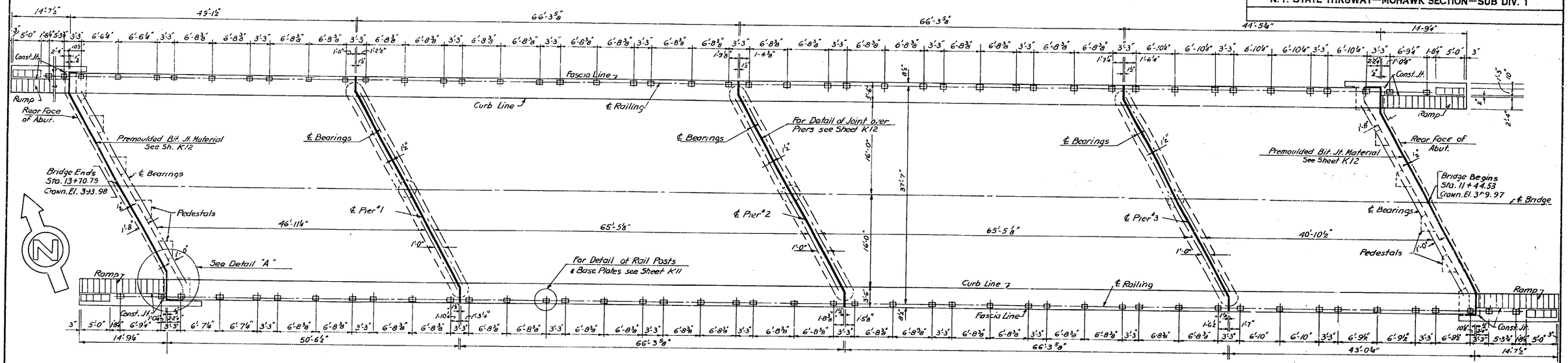
Prepared and Recommended:
E. H. HARLOW, VICE PRES. N. Y. STATE P. E. LIC. NO. 20747 DATE Jan 7 '59
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N. Y.

In Charge of: R. Harris
Made by: M. Uriko
Checked by: Roma-Leroux
Traced by: C. Grant
Tracing Chk by: J. Davison

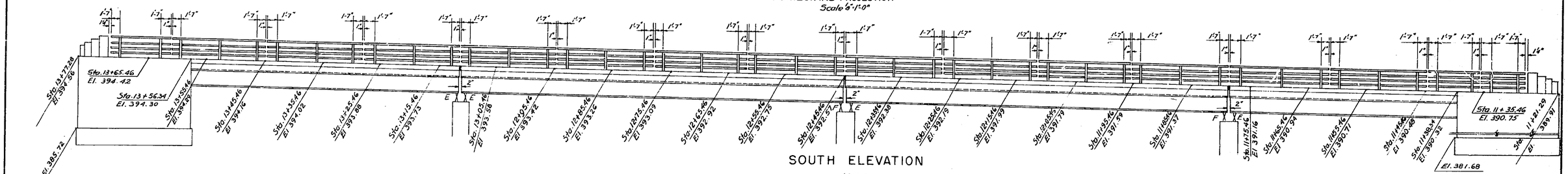
DWG NO. 481-3-10E 1209

M.T. 53-3 R.C. 53-10

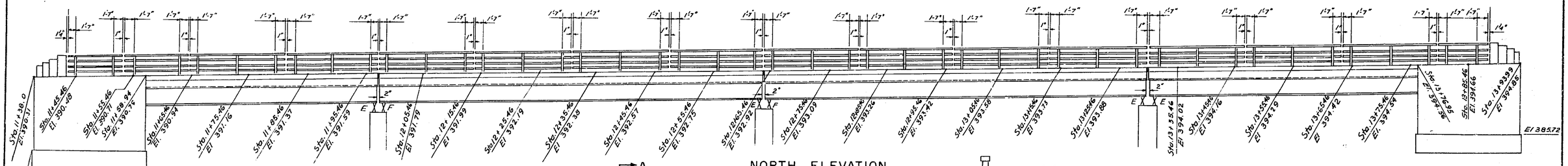
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			78	157
N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



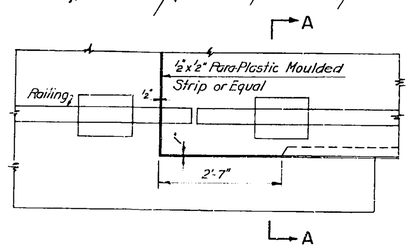
PLAN VIEW
HORIZONTAL PROJECTION
Scale 6"-1'0"



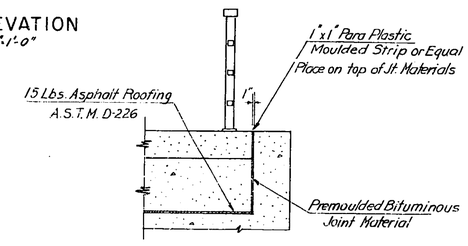
SOUTH ELEVATION
Scale 6"-1'0"



NORTH ELEVATION
Scale 6"-1'-0"



DETAIL A
Scale ¾"-1'-0"



SECTION A-A
Scale ½"-1'-0"

MOHAWK THRUWAY
UNDER MARIAVILLE ROAD
S.H.788 ON ROUTE 159

STA. 6063+44

SCHENECTADY COUNTY

RAILING & PYLON LOCATION

SCALE AS NOTED

Prepared and Recommended:
E. N. Harlow
E.N.HARLOW, VICE PRES. N.Y.STATE P. E. LIC. NO. 20747
Jan 1'53
DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: R. Lewicky
Checked by: Roma-Leroux
Traced by: R. Lewicky
Tracing Chk by: J. Davison

DWG. 481-3-10E-1210

K 10

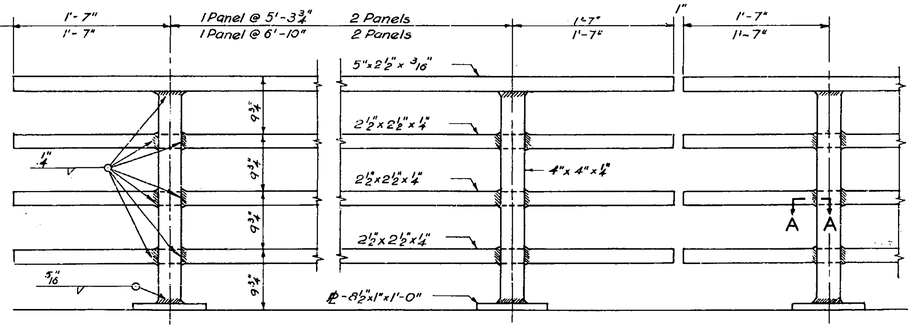
24:1

M.T. 58-3 R.C. 56-19

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			79	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				

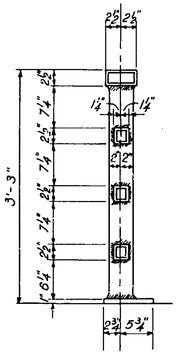
See Plan

Min. 1'-7" | 1 Panel @ 5'-3¾" | 2 Panels | 1'-7" | 1" | 1'-7"
Max. 1'-7" | 1 Panel @ 6'-10" | 2 Panels | 1'-7" | | 1'-7"



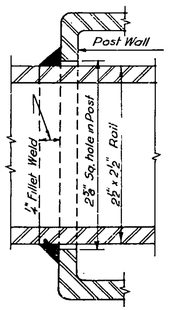
TYPICAL TUBULAR RAILING

Scale 1" = 1'-0"



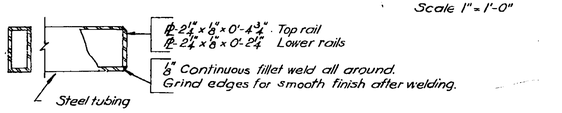
SECTION THRU RAILING

Scale 1" = 1'-0"



SECTION A-A

Scale - Full Size



Notes

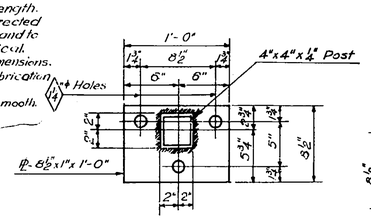
Double panel as shown.
Single panel similar except for panel length.
All railings are to be fabricated and erected so that rails are parallel to each other and to the top of fascia and posts are truly vertical.
Dimensions for tubing are outside dimensions.
Shop or field welding may be used in fabrication and erection of the railing.
All welds on railing shall be ground smooth.

Construction Procedure

1 - Set railing anchor bolts by means of template and pour slab.
2 - Make two (2) applications of water proofing oil treatment M 41-W to the top of slab.
3 - The top of slab shall be continuously and thoroughly wetted down, as directed by the engineer, for at least one hour, immediately prior to the placing of the roadway pavement.
4 - Pour roadway pavement.
5 - Place lower nuts on upper end of anchor bolts.
6 - Place railing on lower nuts and adjust to bring railing to line and grade.
7 - Place upper nuts on anchor bolts; tighten down on plates.
8 - Pour sidewalk to proper line and grade.

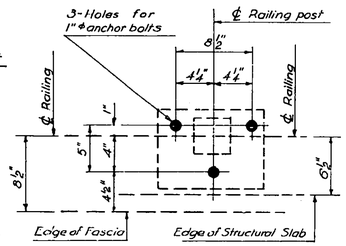
TUBULAR RAILING DETAILS

Scale - As Shown



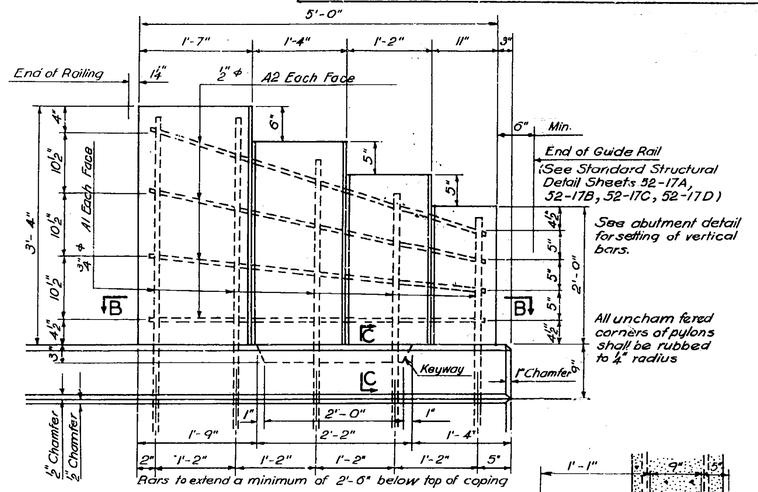
RAILING POST BASE PLATE (90 Reqd)

Scale 1½" = 1'-0"

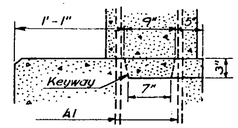


TEMPLATE FOR SETTING RAILING POST ANCHOR BOLTS

Scale 1½" = 1'-0"

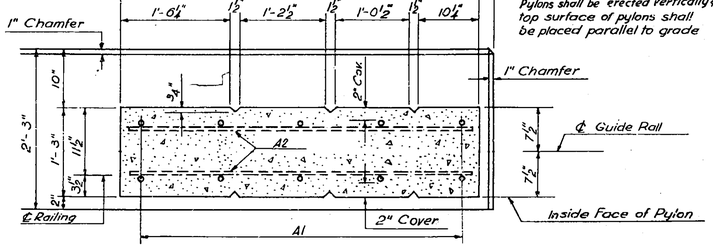


ELEVATION OF PYLON



SECTION C-C

Pylons shall be erected vertically & top surface of pylons shall be placed parallel to grade



SECTION B-B

PYLON DETAILS

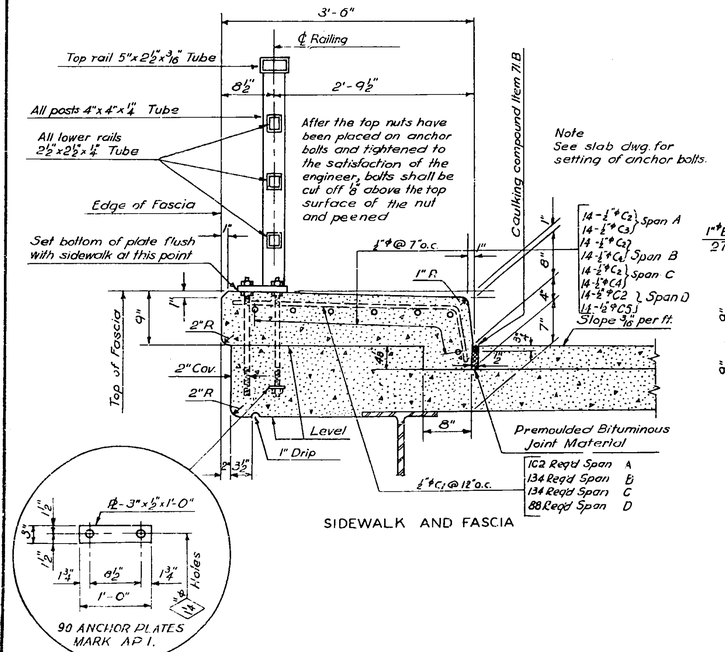
Scale 1" = 1'-0"

NOTES:

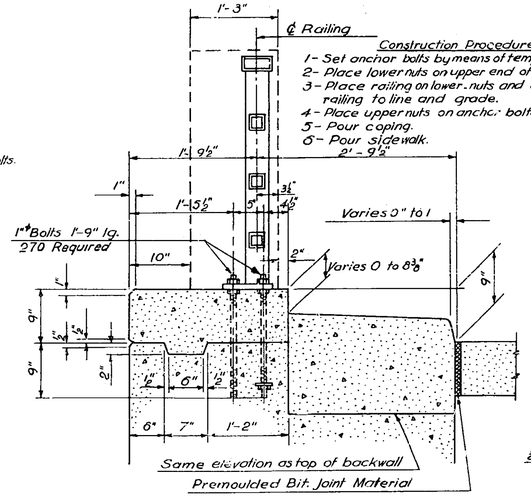
Concrete for Sidewalk, Coping & Ramps shall be Item 18
Concrete for Pylons shall be Item 19.
Bar Reinforcement shall be Item 28.
Base Plates, Anchor Bolts & Misc. Steel shall be Item 29.
Metal Railing shall be Item 37.
Pavement for Item 718 is included in Item 478 "Cement Concrete Pavement."

REFERENCE DRAWINGS:

Abutments, Plan & Elevation	K4
Bridge Slab, Plan, Section & Details	K6
Railing & Pylon Location	K10
Standard Bridge Details	K12
Bar Schedule	K13



SIDEWALK AND FASCIA



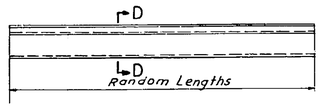
SECTION THRU SUBSTRUCTURE

SIDEWALK AND FASCIA DETAILS

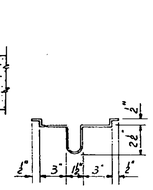
Scale 1" = 1'-0"

Construction Procedure

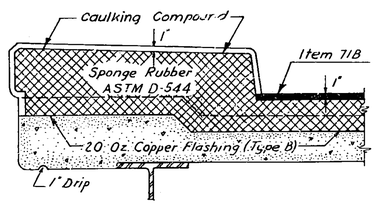
1 - Set anchor bolts by means of template and pour wall.
2 - Place lower nuts on upper end of anchor bolts.
3 - Place railing on lower nuts and adjust to bring railing to line and grade.
4 - Place upper nuts on anchor bolts and tighten down on plates.
5 - Pour coping.
6 - Pour sidewalk.



TYPE "A"

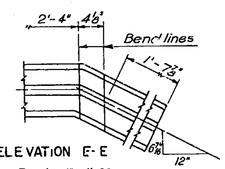


SECTION D-D



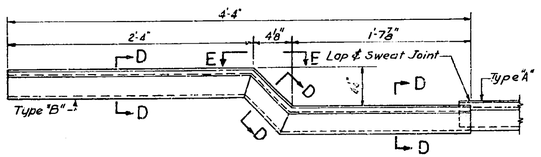
SECTION THRU SAFETY WALK AT JOINT

Scale: 1"=1'-0"



ELEVATION E-E

Scale: 1" = 1'-0"



DETAILS OF 20 OZ. COPPER FLASHING FOR JOINTS

Scale: ½"=1'-0"

MOHAWK THRUWAY
UNDER MARIAVILLE ROAD
S.H. 788 ON ROUTE 159
STA. 6063 + 44
SCHENECTADY COUNTY

STANDARD BRIDGE DETAILS

SCALE - AS SHOWN

Prepared and Recommended:
E. H. Harlow
E.H. HARLOW, VICE PRES. N.Y. STATE P. E. LIC. NO. 20747 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: J. Reynolds
Checked by: R. Leroux
Traced by: J. Reynolds
Tracing Chk by: M. Uriko

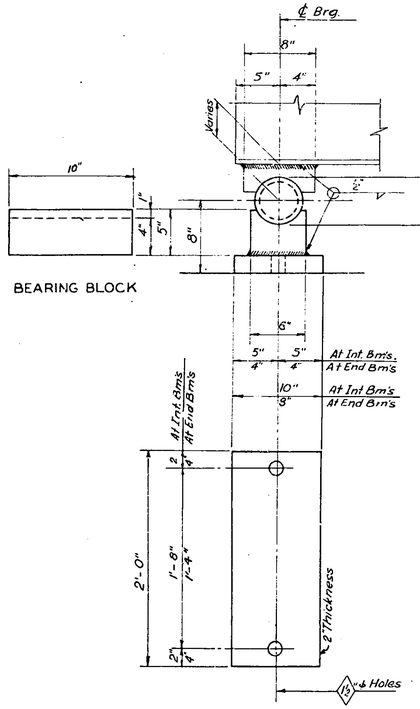
DWG. NO. 481-3-10E-1211

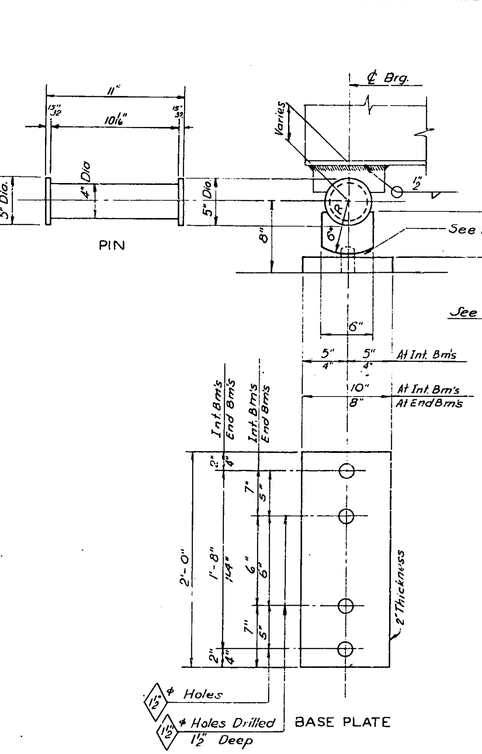
K11

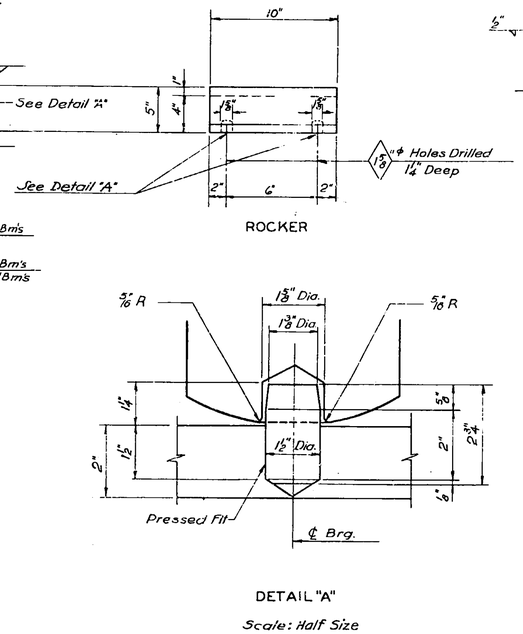
Mohawk 5-53

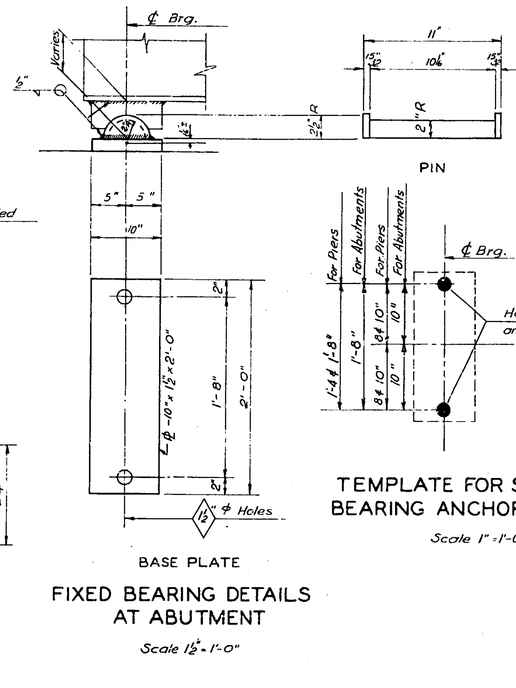
M.T. 53-3 R.C. 33-19

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			80	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



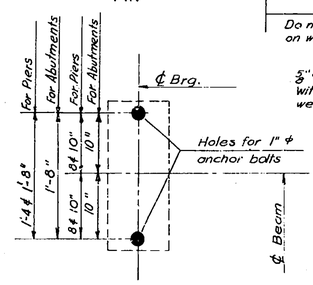






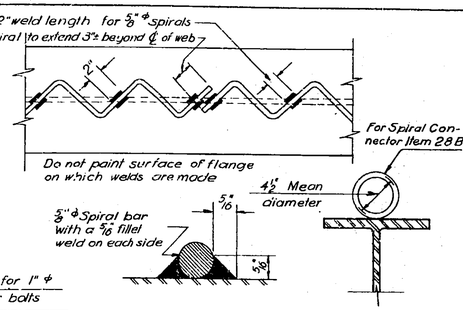
FIXED BEARING DETAILS AT ABUTMENT

Scale 1½" = 1'-0"



TEMPLATE FOR SETTING BEARING ANCHOR BOLTS

Scale 1" = 1'-0"



SPIRAL DETAILS

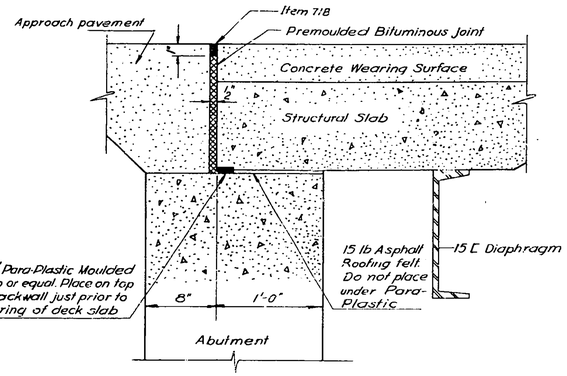
Scale 1½" = 1'-0"

NOTES:

Payment for Item 7IB is included in Item 47B "Cement Concrete Pavement."
Structural Steel for Bearings & Misc. Steel shall be Item 29.

FIXED BEARING DETAILS AT PIERS

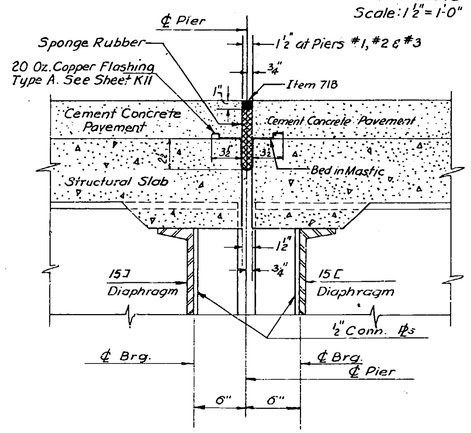
Scale 1½" = 1'-0"



DETAIL OF JOINT AT ABUTMENT

EXPANSION BEARING DETAILS AT PIERS

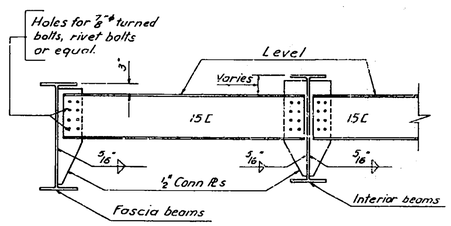
Scale: 1½" = 1'-0"



DETAIL OF JOINT OVER PIERS

DETAILS OF JOINTS

Scale: ½" = 1'-0"



DIAPHRAGM CONNECTIONS

Scale: ½" = 1'-0"

REFERENCE DRAWINGS

General Plan, Elevation & Notes K2
Profiles & Sections K3
Abutments, Plans & Elevations K4
Abutment Sections K5
Piers, Elevations, Sections & Details K6
Bridge Slab, Plan, Sections & Details K8
Beams & Diaphragms, Plan Sections & Details K9
Railing & Pylon Location K10
Standard Bridge Details K11

MOHAWK THRUWAY
UNDER MARIAVILLE ROAD
S.H.788 ON ROUTE 159
STA. 6063+44
SCHENECTADY COUNTY

STANDARD BRIDGE DETAILS

SCALE - AS SHOWN

DWG. NO. 481-3-10E- 1212

Prepared and Recommended:
E. H. Harlow
E.H. HARLOW, VICE PRES. N.Y. STATE P. E. LIC. NO. 20747
Jan 9 '59 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: C. Grant
Checked by: R. Leroux
Traced by: C. Grant
Tracing Chk by: M. Uriko

K12

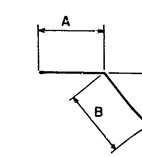
M.T. 53-3 R.C. 53-19

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			81	157
N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				

LOCATION OF BARS	MARK	SIZE	NO. REQ'D.	LENGTH	TYPE	A	B	C	D	E	F	R	REMARKS
	A1	3/8"ø	40	5'-8"	Str.								
	A2	1/2"ø	32	4'-9"	Str.								
	A3	3/8"ø	12	22'-0"	Str.								
	A4	3/8"ø	6	31'-0"	Str.								
	A5	3/8"ø	12	30'-0"	Str.								
	A6	3/8"ø	14	16'-9"	Str.								
	A7	5/8"ø	4	13'-2"	Str.								
	A8	1/2"ø	40	10'-3"	III	6"	2'-8"	2'-5"	4'-2"	6"	4"		
	A9	1/2"ø	10	13'-0"	III	6"	4'-2"	3'-7"	4'-2"	6"	4"		
	A10	1/2"ø	10	10'-0"	IV	6"	2'-8"	3'-6"	2'-8"	6"	4"		
	A11	5/8"ø	20	13'-9"	Str.								
	A12	1/2"ø	16	14'-5"	Str.								
	A13	5/8"ø	20	4'-3"	Str.								
	A14	1/2"ø	15	5'-2 7/8" to 5'-5 7/8"	IX	2'-0"	7" to 1'-3 3/8"						One set @ 15 bars, ΔB=3/4"
	A15	1/2"ø	15	3'-4" to 3'-11"	IX	2'-0"	1'-4" to 1'-11"						One set @ 15 bars, ΔB=1/2"
	A16	5/8"ø	34	5'-3"	IX	3'-6"	1'-9"						
	A17	5/8"ø	20	5'-1"	VIII	7"	4'-6"	7"	5"				
	A18	5/8"ø	15	3'-10 7/8" to 3'-10 3/8"	IX	2'-0"	1"	1'-10 7/8" to 1'-10 3/8"					One set @ 15 bars, ΔB=3/4"
	A19	1/2"ø	15	3'-3 7/8" to 3'-5"	IX	2'-0"	1"	1'-3 7/8" to 1'-5"					One set @ 15 bars, ΔB=1/2"
	A20	5/8"ø	4	14'-6"	Str.								
	A21	5/8"ø	4	14'-0"	Str.								
	A22	5/8"ø	12	8'-6"	IX	5'-6"	3'-0"						
	A23	5/8"ø	12	13'-6"	II	10'-0"	3'-6"	1'-7 1/2"					
	A24	5/8"ø	6	13'-0"	II	11'-6"	1'-6"	8 1/2"					
	A25	5/8"ø	6	6'-6"	IX	5'-1"	1'-5"						
	A26	5/8"ø	12	9'-0"	Str.								
	A27	5/8"ø	12	5'-3"	Str.								
	A28	5/8"ø	14	20'-7"	Str.								
	A29	5/8"ø	4	14'-10"	Str.								
	F1	3/4"ø	168	22'-10"	Str.								
	F2	3/4"ø	108	5'-6"	Str.								
	F3	5/8"ø	50	5'-6"	Str.								
	F4	5/8"ø	130	8'-8"	Str.								
	F5	3/4"ø	72	5'-2	Str.								
	F6	3/4"ø	17	12'-9"	IX	11'-0"	1'-9"						
	F7	3/4"ø	8	12'-3"	IX	10'-6"	1'-9"						
	F8	3/4"ø	9	12'-6"	IX	10'-9"	1'-9"						
	F9	3/4"ø	120	14'-0"	VII	8"	13'-4"		54"				
	F10	3/4"ø	144	20'-0"	VII	8"	13'-4"		54"				
	F11	3/4"ø	4	10'-9"	Str.								
	F12	3/4"ø	324	15'-0"	VII	8"	14'-4"		54"				
	F13	1/4"ø	1386	2'-10"	III	3"	2'-4"	3"				45°	
	F14	3/4"ø	24	13'-9"	Str.								
	F15	3/4"ø	60	5'-1"	Str.								
	F16	3/4"ø	24	12'-7"	Str.								
	F17	3/4"ø	48	23'-0"	Str.								
	F18	3/4"ø	4	7'-3"	I	2'-0"	2'-7"	2'-8"	1'-3 1/4"				
	F19	5/8"ø	8	11'-0"	Str.								
	F20	5/8"ø	12	10'-6"	Str.								
	D1	1"ø	126	6'-9"	Str.								
	D2	3/4"ø	24	7'-6"	Str.								
	D3	3/4"ø	24	10'-1"	Str.								
	D4	5/8"ø	40	4'-3"	Str.								

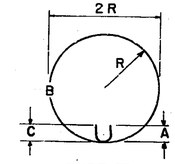
LOCATION OF BARS	MARK	SIZE	NO. REQ'D.	LENGTH	TYPE	A	B	C	D	E	F	R	REMARKS
	P1	1"ø	24	24'-0"	Str.								
	P2	1"ø	12	15'-4"	IX	11'-1"	4'-3"						
	P3	1"ø	8	16'-2"	IX	11'-11"	4'-3"						
	P4	1"ø	4	16'-7"	IX	12'-4"	4'-3"						
	P5	1"ø	24	16'-5"	IX	12'-2"	4'-3"						
	P6	5/8"ø	12	38'-7"	Str.								
	P7	5/8"ø	384	10'-11"	V	5"	1'-10 1/2"	3'-2"	1'-10 1/2"	3'-2"	5"		
	P8	5/8"ø	24	8'-2"	VI	2'-0"	4'-2"	2'-0"				1'-3 3/8"	
	P9	1"ø	10	40'-0"	Str.								
	P10	1"ø	6	38'-7"	Str.								
	P11	1"ø	8	40'-0"	Str.								
	P12	1"ø	42	17'-3"	Str.								
	P13	1"ø	42	15'-3"	Str.								
	P14	1"ø	42	13'-9"	Str.								
	P15	1/4"ø	111	9'-0"	III	3"	8'-6"	3"				1'-3 3/4"	
	S1	5/8"ø	339	39'-5"	VIII	7"	38'-3"	7"	5"				
	S2	5/8"ø	339	38'-3"	Str.								
	S3	5/8"ø	228	33'-3 7/8" to 34'-10 7/8"	VIII	7"	4'-0 7/8" to 34'-10"	7"	5"				6 Sets @ 38 bars ΔB=10"
	S4	1/2"ø	468	34'-0"	Str.								
	S5	1/2"ø	70	17'-4	Str.								
	S6	1/2"ø	70	11'-3"	Str.								
	S7	5/8"ø	240	4'-0" to 34'-10"	Str.								6 Sets @ 38 bars ΔB=10" & 6 ea. 4'-0 & 4'-10".
	S8	5/8"ø	70	5'-5" to 35'-5"	VIII	7"	5'-0" to 33'-0"	7"	5"				2 Sets @ 35 bars Δ B = 8"
	S9	5/8"ø	74	3'-0" to 35'-10"	Str.								" " " " " ΔB=8" & 2 ea. 3'-0" & 3'-8"
	S10	1/2"ø	4	11'-10"	Str.								
	S11	1/2"ø	4	17'-11"	Str.								
	S12	1/2"ø	4	16'-7"	Str.								
	S13	1/2"ø	4	10'-5"	Str.								
	S14	3/8"ø	4	6'-2"	II	3'-2"	3'-0"						
	S15	5/8"ø	12	5'-2"	II	2'-2"	3'-0						
	S16	1/2"ø	458	5'-3"	I	5"	1'-5"	1'-2"	1'-5 1/2"	5"	4"		
	C1	1"ø	458	4'-0"	VIII	3'-2	10"	1"					
	C2	1"ø	84	34'-0"	Str.								
	C3	1"ø	14	16'-10	Str.								
	C4	1"ø	14	11'-3"	Str.								

TYPE I

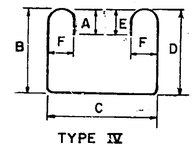


TYPE II

TYPE III



TYPE IV



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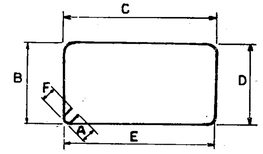

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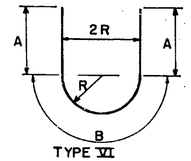
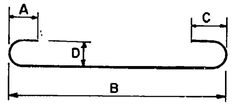


TYPE VII



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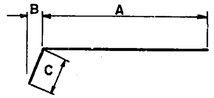
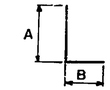
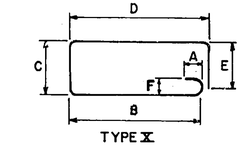


TYPE IX



TYPE X



NOTES:

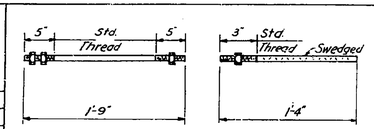
All bars shall be deformed.
No rerolled material will be accepted.
Bar Reinforcement shall be Item 28.
Anchor Bolts shall be Item 29.

REFERENCE DRAWINGS:

Abutments, Plans & Elevations	K4
Abutment Sections	K5
Piers, Elevations, Sections & Details	K6
Footings, Plans Elevations & Sections	K7
Bridge Slab, Plan, Sect. & Det.	K8
Standard Bridge Details	K11

ANCHOR BOLT SCHEDULE - Item 29.

MARK	SIZE	NO. REQ'D	LENGTH	NUTS SHAPE	NUTS NO. REQ'D	LOCATION
AB1	1"ø	270	1'-9"	Hex.	720	Railings
AB2	1"ø	96	1'-4"	Hex	96	Bearings



MARK AB1 MARK AB2

MOHAWK THRUWAY
UNDER MARIAVILLE ROAD
S.H.788 ON ROUTE 159
STA. 6063+44
SCHENECTADY COUNTY

BAR SCHEDULE

Prepared and Recommended:
E. H. Harlow
E.H. HARLOW VICE PRES. N.Y. STATE P. E. LIC. NO. 20747
DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: F.C. Rothermel
Checked by: A. Uriko
Traced by: C. Grant
Tracing Chk by: A. Francker

DWG. NO. 481-3-10E-1213

K13

M.T. 53-3 R.C. 53-3

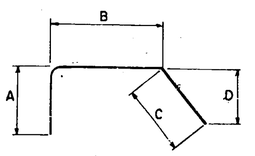
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			81	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				

81R

LOCATION OF BARS	MARK	SIZE	NO. REQ'D	LENGTH	TYPE	A	B	C	D	E	F	R	REMARKS
	A1	5/8"ø	40	5'-8"	Str.								
	A2	1/2"ø	32	4'-9"	Str.								
	A3	5/8"ø	12	22'-0"	Str.								
	A4	5/8"ø	6	31'-0"	Str.								
	A5	5/8"ø	12	30'-0"	Str.								
	A6	5/8"ø	14	16'-9"	Str.								
	A7	5/8"ø	4	13'-2"	Str.								
	A8	1/2"ø	40	10'-3"	IX	6"	2'-8"	2'-5"	4'-2"	6"	4"		
	A9	1/2"ø	10	13'-6"	IX	6"	4'-2"	3'-7"	4'-2"	6"	4"		
	A10	1/2"ø	10	10'-0"	IX	6"	2'-8"	3'-6"	2'-8"	6"	4"		
	A11	5/8"ø	20	13'-9"	Str.								
	A12	1/2"ø	16	14'-5"	Str.								
	A13	5/8"ø	20	4'-3"	Str.								
	A14	1/2"ø	15	5'-1 7/8" 5'-2 3/8"	IX	2'-0"	1'-5 3/8" 1'-5 7/8"						One set @ 15 bars, ΔB=3/4"
	A15	1/2"ø	15	3'-4 7/8" 3'-5 1/2"	IX	2'-0"	1'-4 7/8" 1'-5 1/2"						One set @ 15 bars, ΔB=1/2"
	A16	5/8"ø	34	5'-3"	IX	3'-6"	1'-9"						
	A17	5/8"ø	20	5'-1"	VII	7"	4'-6"	7"	5"				
	A18	5/8"ø	15	3'-0 7/8" 3'-10 1/2"	XI VII	2'-0"	1"	1'-0 7/8" 1'-10 1/2"					One set @ 15 bars, ΔB=3/4"
	A19	1/2"ø	15	3'-3 7/8" 3'-4 3/8"	XI VII	2'-0"	1"	1'-3 7/8" 1'-4 3/8"					One set @ 15 bars, ΔB=1/2"
	A20	5/8"ø	4	14'-6"	Str.								
	A21	5/8"ø	4	14'-0"	Str.								
	A22	5/8"ø	12	8'-6"	IX	5'-6"	3'-0"						
	A23	5/8"ø	12	13'-6"	II	10'-0"	3'-6"	1'-7 3/8"					
	A24	5/8"ø	6	13'-0"	II	11'-6"	1'-6"	8 1/2"					
	A25	5/8"ø	6	6'-6"	IX	5'-1"	1'-5"						
	A26	5/8"ø	12	9'-0"	Str.								
	A27	5/8"ø	12	5'-3"	Str.								
	A28	5/8"ø	14	20'-7"	Str.								
	A29	5/8"ø	4	14'-10"	Str.								
	F1	3/4"ø	168	22'-10"	Str.								
	F2	3/4"ø	108	5'-6"	Str.								
	F3	3/4"ø	50	5'-6"	Str.								
	F4	5/8"ø	130	8'-8"	Str.								
	F5	3/4"ø	72	5'-2	Str.								
	F6	5/8"ø	16	12'-9"	IX	11'-0"	1'-3"						
	F7	5/8"ø	8	12'-3"	IX	10'-6"	1'-3"						
	F8	5/8"ø	9	12'-6"	IX	10'-9"	1'-3"						
	F9	3/4"ø	120	14'-0"	VII	8"	13'-4"		5 1/4"				
	F10	3/4"ø	144	20'-0"	VII	8"	19'-4"		5 1/4"				
	F11	5/8"ø	4	10'-9"	Str.								
	F12	3/4"ø	324	15'-0"	VII	8"	14'-4"		5 1/4"				
	F13	1/2"ø	1386	2'-10"	III	3"	2'-4"	3"				4 1/2"	
	F14	3/4"ø	24	13'-9"	Str.								
	F15	3/4"ø	60	5'-1"	Str.								
	F16	3/4"ø	24	12'-7"	Str.								
	F17	3/4"ø	48	23'-0"	Str.								
	F18	3/4"ø	4	7'-3"	I	2'-0"	2'-7"	2'-8"	1'-3 1/4"				
	F19	5/8"ø	8	11'-0"	Str.								
	F20	5/8"ø	12	10'-6"	Str.								
	D1	1"ø	126	6'-9"	Str.								
	D2	3/4"ø	24	7'-6"	Str.								
	D3	3/4"ø	24	10'-1"	Str.								
	D4	5/8"ø	40	4'-3"	Str.								

LOCATION OF BARS	MARK	SIZE	NO. REQ'D	LENGTH	TYPE	A	B	C	D	E	F	R	REMARKS
	P1	1"ø	24	24'-0"	Str.								
	P2	1"ø	12	15'-4"	IX	11'-1"	4'-3"						
	P3	1"ø	8	16'-2"	IX	11'-11"	4'-3"						
	P4	1"ø	4	16'-7"	IX	12'-4"	4'-3"						
	P5	1"ø	24	16'-5"	IX	12'-2"	4'-3"						
	P6	5/8"ø	12	38'-7"	Str.								
	P7	5/8"ø	384	10'-11"	V	5"	1'-10 1/2"	3'-2"	1'-10 1/2"	3'-2"	5"		
	P8	5/8"ø	24	8'-2"	VI	2'-0"	4'-2"	2'-0"				1'-3 3/8"	
	P9	1"ø	10	40'-0"	Str.								
	P10	1"ø	6	38'-7"	Str.								
	P11	1"ø	8	40'-0"	Str.								
	P12	1"ø	42	17'-3"	Str.								
	P13	1"ø	42	15'-3"	Str.								
	P14	1"ø	42	13'-9"	Str.								
	P15	1/2"ø	111	5'-6"	VII	3"	8'-6"	3"				1'-3 3/4"	
	S1	5/8"ø	339	39'-5"	VII	7"	38'-3"	7"	5"				
	S2	5/8"ø	339	38'-3"	Str.								
	S3	5/8"ø	228	5'-3" 5'-4 1/2"	VII	7"	4'-0 7/8" 3'-4 1/2"	7"	5"	3'-6 1/2" 3'-7 1/2"			6 Sets @ 38 bars ΔB=10"
	S4	1/2"ø	468	34'-0"	Str.								
	S5	1/2"ø	70	17'-4	Str.								
	S6	1/2"ø	70	11'-3"	Str.								
	S7	5/8"ø	228	4'-0 7/8" 3'-10 1/2"	VII								6 Sets @ 38 bars ΔB=10" 6 eq. 4'-0 1/4"-10"
	S8	5/8"ø	70	5'-1 7/8" 5'-3"	VII	7"	5'-0 1/2" 3'-3 1/2"	7"	5"	3'-9 1/2" 3'-5 1/2"			2 Sets @ 35 bars ΔB = 8 1/2"
	S9	5/8"ø	70	3'-0" 3'-1 1/2"	Str.								" " " " ΔB=8 1/2" + 2 eq. 3'-0 1/2" 3'-8"
	S10	1/2"ø	4	11'-10"	Str.								
	S11	1/2"ø	4	17'-11"	Str.								
	S12	1/2"ø	4	16'-7"	Str.								
	S13	1/2"ø	4	10'-5"	Str.								
	S14	5/8"ø	8	6'-2"	II	3'-2"	3'-0"	1'-9"					
	S15	5/8"ø	24	5'-2"	II	2'-2"	3'-0"	1'-3"					
	S16	1/2"ø	458	5'-3" 5'-4 1/2"	I	5"	1'-5"	1'-2"	1'-5 1/2"	5"	4"		
	C1	1"ø	458	4'-0"	VIII	3'-2	10"	1"					
	C2	1"ø	84	34'-0"	Str.								
	C3	1"ø	14	16'-10	Str.								
	C4	1"ø	14	11'-3"	Str.								

TYPE I



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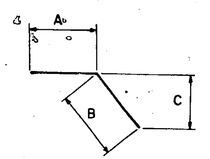

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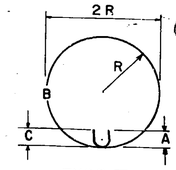

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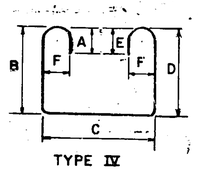

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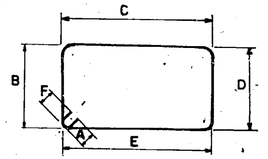

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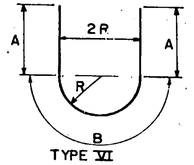

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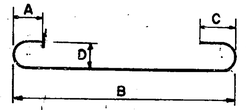

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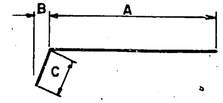

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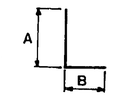
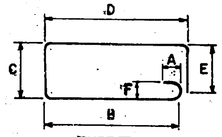


TYPE X



NOTES:

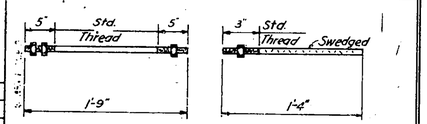
All bars shall be deformed.
No rerolled material will be accepted.
Bar Reinforcement shall be Item 28.
Anchor Bolts shall be Item 29.

REFERENCE DRAWINGS:

Abutments, Plans & Elevations	K4
Abutment Sections	K5
Piers, Elevations, Sections & Details	K6
Footings, Plans Elevations & Sections	K7
Bridge Slab, Plan, Sect. & Det.	K8
Standard Bridge Details	K11

ANCHOR BOLT SCHEDULE - Item 29.

MARK	SIZE	NO. REQ'D	LENGTH	NUTS SHAPE	NUTS NO. REQ'D	LOCATION
AB1	1"ø	270	1'-9"	Hex.	720	Railings
AB2	1"ø	96	1'-4"	Hex	96	Bearings



MOHAWK THRUWAY
UNDER MARIAVILLE ROAD
S.H.786 ON ROUTE 159
STA. 60 63+44
SCHENECTADY COUNTY

BAR SCHEDULE

Prepared and Recommended:
E.H. Harlow
E.H. HARLOW VICE PRES. N.Y. STATE P.E. LIC. NO. 20747
DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: F.C. Rothermel
Checked by: A. Uriko
Traced by: C. Grant
Tracing Chk by: A Francken

DWG. NO. 48:3-10E-1213

K13

M.T. 53-3 R.C. 53-19

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			82	157

N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1

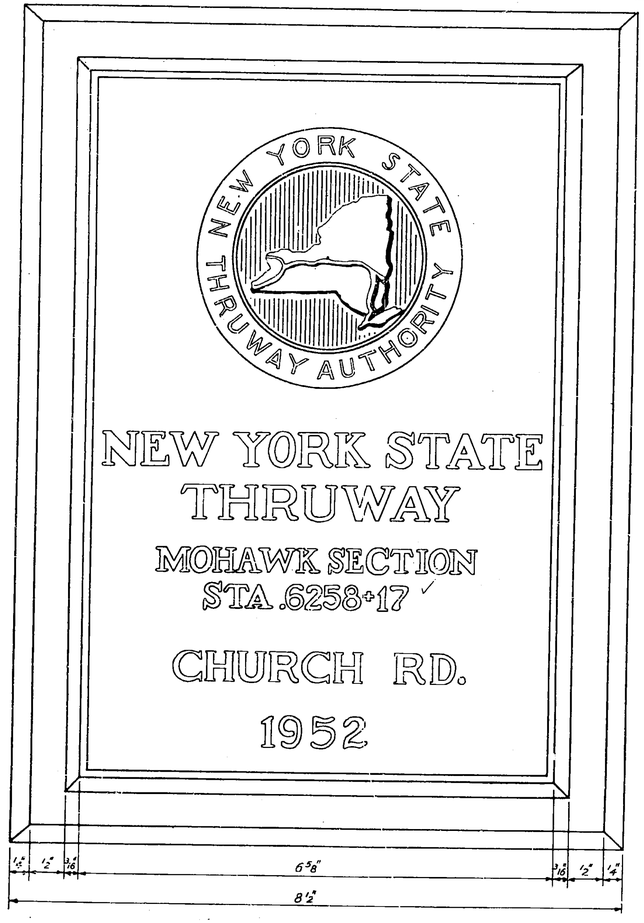
NEW YORK STATE THRUWAY AUTHORITY

NEW YORK STATE THRUWAY

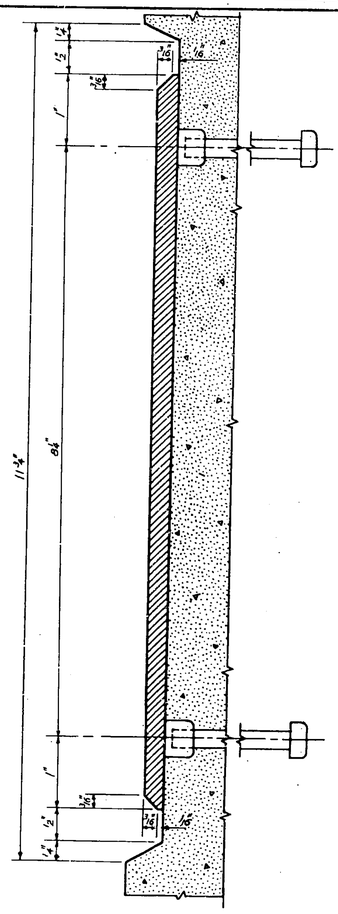
MOHAWK SECTION
STA. 6258+17 ✓

CHURCH RD.

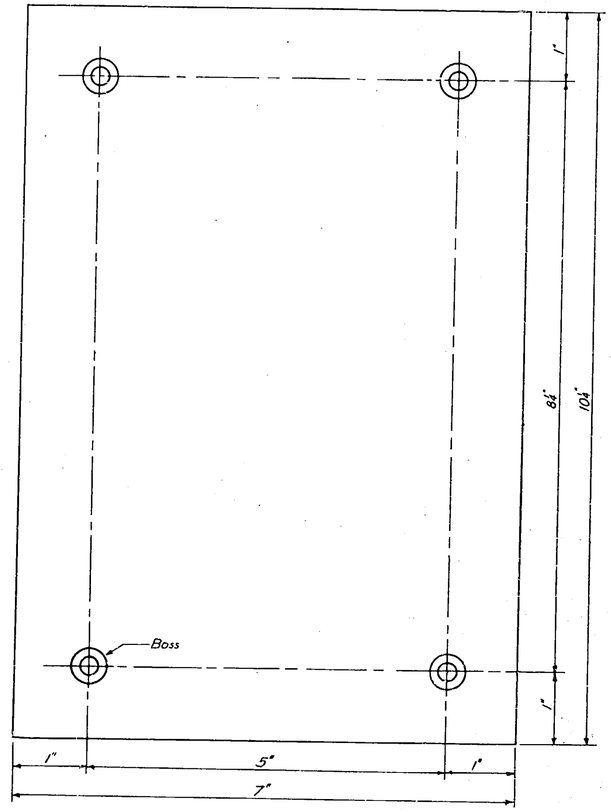
1952



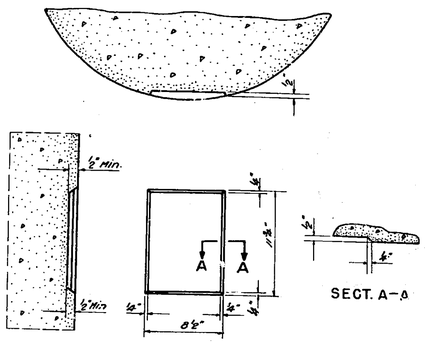
FRONT ELEVATION



VERTICAL SECTION

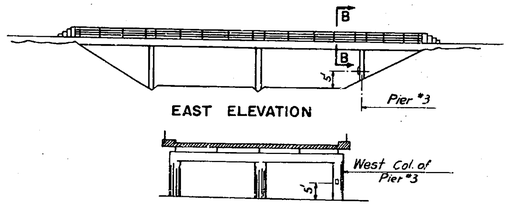


TEMPLATE



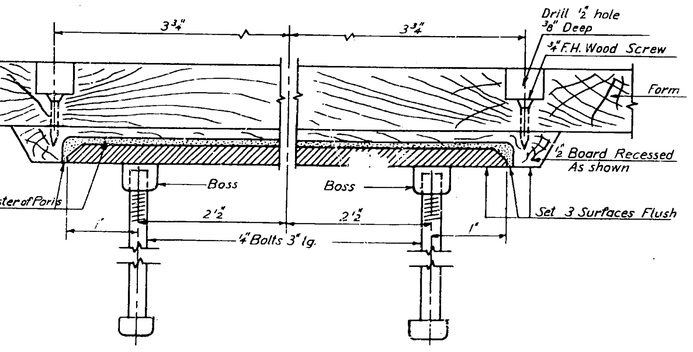
SECT. A-A

DETAIL OF NAME PLATE RECESS IN CURVED SURFACE
Scale: 1½"=1'-0"



SECTION B-B

LOCATION OF IDENTIFICATION PLATE
Not to Scale



HORIZONTAL SECTION

IDENTIFICATION PLATE
Scale - Full Size

NOTE

Cut and bevel a 1/2"x8 1/2" board to dimensions shown and gouge to form a recess about 3/16 deep and 1/8" larger than bronze plate. Fill recess in board with plaster of paris and set plate so that back of plate, surface of plaster and face of board form a smooth flush surface. Fasten to inside of form with wood screws. When concrete is being placed, very careful spading must be continued back of plate so that the surface of the panel will be free from bubble holes, pockets or exposed coarse aggregate. When removing forms, do not attempt to pull away the 1/2" board, but cut away both board and plaster after form has been removed.

REFERENCE DRAWINGS

General Plan, Elevation & Notes	M2
Piers, Plan, Elevations & Details	M6

MOHAWK THRUWAY
UNDER CHURCH RD., CO. RD. #7R
STA. 6258+17
SCHENECTADY CO.

IDENTIFICATION PLATE

SCALE AS SHOWN

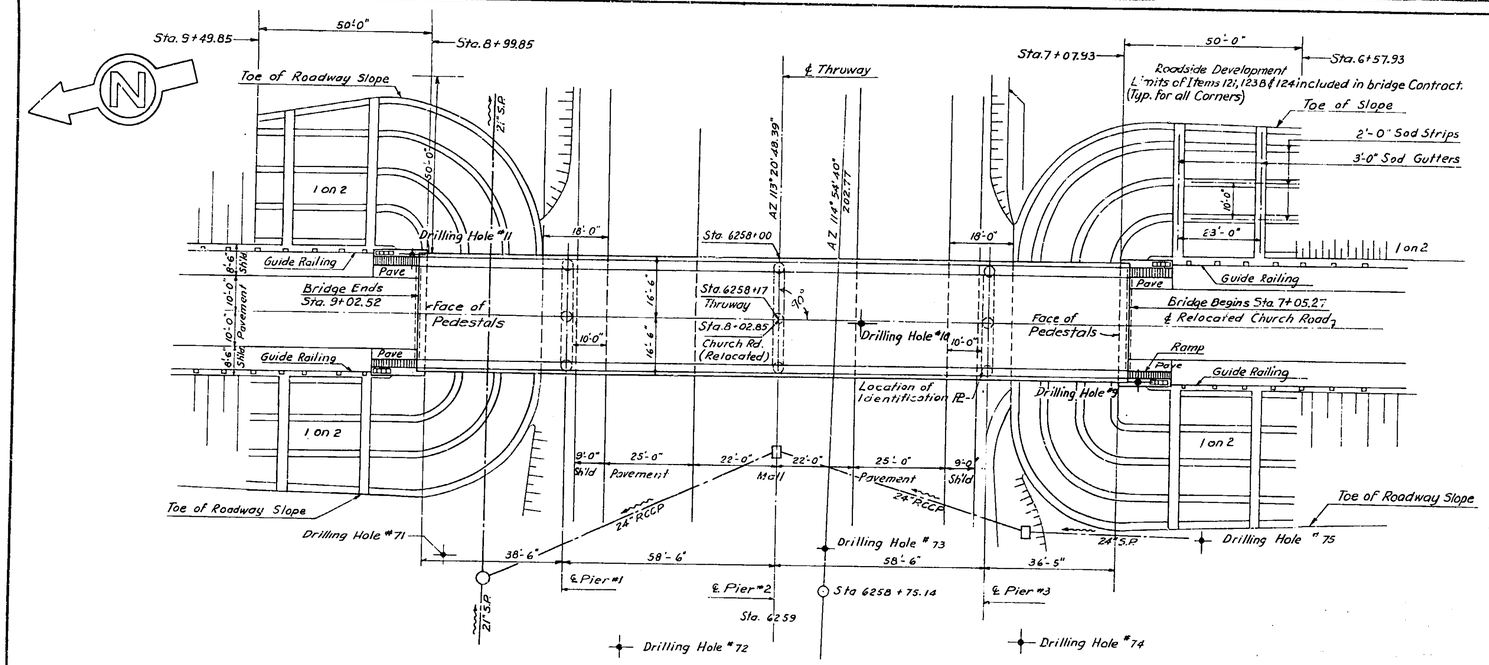
DWG. NO. 481-3-10E-1601

Prepared and Recommended:
E.A. Harlow
E.A. HARLOW, VICE PRES. N.Y. STATE P.E. LIC. NO. 20747
June 7 '54
DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
WILLIAM ST., NEW YORK 5, N.Y.

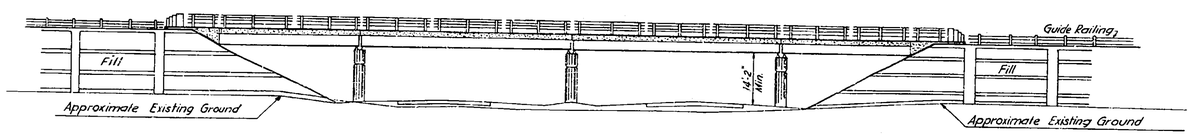
In Charge of: R-Harris
Made by: J. Reynolds
Checked by: A.Romo-Lecoux
Traced by: J. Reynolds
Tracing Chk by: A. Romo-Lecoux

M1

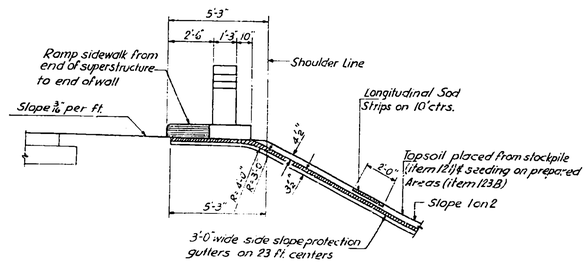
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			83	157
N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



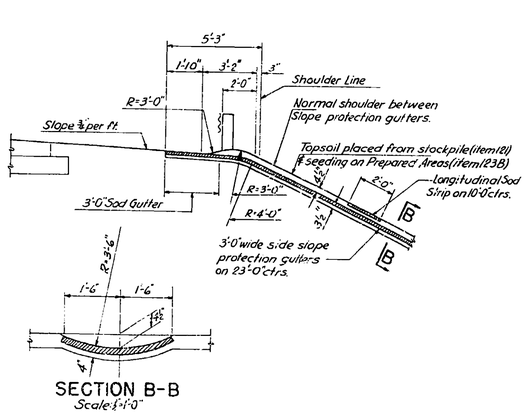
PLAN
Scale: 1" = 20'-0"



WEST ELEVATION
Scale: 1" = 20'-0"



TYPICAL SECTION THRU
GUTTER AT END OF WALL
Scale: ½"-1'-0"



SECTION B-B
Scale: ½"-1'-0"

TYPICAL SECTION
SLOPE PROTECTION GUTTERS
Scale: ½"-1'-0"

GENERAL NOTES

Cement for "Cement Concrete Pavement" Item 478, shall consist of 87½% by Volume of Portland Cement Type 2 "Item 15-2" and 12½% of Natural Cement Type N "Item 15 N.

All concrete, except pavement and pylons shall be Item 18 "Class 1A Concrete for Structures"

Concrete in pavement shall be Item 478 "Cement Concrete Pavement."

Concrete in pylons shall be Item 19 "Class 1A. Concrete for Railings."

The cost of furnishing and installing caulking compound, premoulded bituminous joint material, sponge rubber joint material, and copper flashing shall be included in the prices bid for various items in this contract.

After the concrete is cured, the contractor shall apply a water proofing oil treatment, as described in specifications for M 4.1 W, to all exposed surfaces, except on the underside of slabs. Two coats of water proofing oil treatment shall be applied to the top of the slab; the second coat shall be applied two days prior to the placing of the pavement or sidewalk. (Prices to be included in the Unit Price for Concrete Slabs.)

Material and fabrication: Specifications of New York State Department of Public Works dated January 2, 1951 and current modifications and additions.

Design Specifications: AASHO 1949.

Loading: H20-S16-44

The contractors attention is directed to the special notes for this structure which appear in the Proposal. Particular attention is directed to the special notes which briefly outline the anticipated sub-surface conditions at the site of the structures and which specify certain requirements relative to the construction. No construction joints other than those shown on the plans shall be permitted without written permission of the Deputy Chief Engineer (Bridges).

Where caulking compound is to be used the sides of the joints shall be primed with a material satisfactory to the manufacturer of the caulking compound, 20 to 30 minutes before the compound is placed.

All joints must be thoroughly clean and dry before the priming coat is applied. Work must be performed by experienced men in this type of work.

Field connections shall be made with turned bolts, rivet bolts or approved equal.

Immediately before placing pavement concrete, the concrete surface upon which it is to be placed shall be thoroughly wetted down continuously for one hour, if the air temperature is above 50°F.

Sponge rubber shall meet the requirements of the standard Specifications for Preformed Expansion Joint Fillers for concrete, A.S.T.M. Designation D544.

Where steel exceeding one inch in thickness is to be welded, electrodes of classification number E6015 or E6016 shall be used.

All anchor bolts shall be accurately set and securely held in position in the forms while concrete is being poured.

ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	COMBINED NEAT.	COMBINED ROUND	SUPERST. NEAT.	SUPERST. ROUND	SUBSTR. NEAT.	SUBSTR. ROUND
5	Trench, Culvert & Bridge Exc.	C.Y.	300	300			300	300
15-2	Portland Cement Type 2	Bbl.	1027	1050	340	350	687	700
15 N	Natural Cement Type N	Bbl.	146	160	35	40	111	120
18	Class 1A-Concrete for Structures	C.Y.	522	530	177	180	345	350
19	Class 1A-Concrete for Railings	C.Y.	3	4			3	4
* 23F	Steel Fabric Reinforcement	S.Y.	5510	6550	610	650		
28	Bar Reinforcement for Structures	Lb.	94,130	100,000	42,500	45,000	51,630	55,000
28B	Spiral Bar Shear Connectors	Lb.	2,356	2,600	2,356	2600		
29	Structural Steel	Lb.	174,200	180,000	174,200	180000		
37	Metal Railing	L.F.	421	430	421	430		
47B	Cement Concrete Pavement	C.Y.	62	65	62	65		
79	Dry Stone Paving	S.Y.	315	330			315	330
85C	Cast-in-Place Concrete Piles	L.F.	4,970	5100			4,970	5100
87	Furnishing Equipment for Driving Piles	L.s.	nec.	nec.			nec.	nec.
121	Topsoil Placed from Stockpiles	C.Y.	140	150			140	150
123B	Seeding on Prepared Areas	Acre	0.252	0.30			0.252	0.30
124	Sodding	S.Y.	453	500			453	500

* Steel Fabric Reinforcement shall be furnished in Flat Sheets.

LIST OF DRAWINGS

TITLE	SHEET NO.
Identification Plate	M1
General Plan, Elev., Notes & Details	M2
Profiles & Sections	M3
Abutments, Plan & Elev.	M4
Abutments, Sect. & Det.	M5
Piers, Plan, Elev, Sect. & Det.	M6
Footings, Plans, Elev. & Sect.	M7
Bridge Slab, Plan, Sect. & Det.	M8
Beams & Diaphragms: Plan, Sect. & Det.	M9
Railing & Pylon Location	M10
Standard Bridge Details	M11
Standard Bridge Details	M12
Bar Schedule	M13

MOHAWK THRUWAY
UNDER CHURCH RD., CO. RD. #7R
STA. 6258+17
SCHENECTADY CO.

GENERAL PLAN
ELEVATIONS, NOTES & DETAILS
SCALE - AS SHOWN

DWG. NO. 481-3-10E-1602

M2

Prepared and Recommended:
E. H. Harlow — Jan 1 '54
E. H. HARLOW, VICE PRES. N. Y. STATE P. E. LIC. NO 20767 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N. Y.

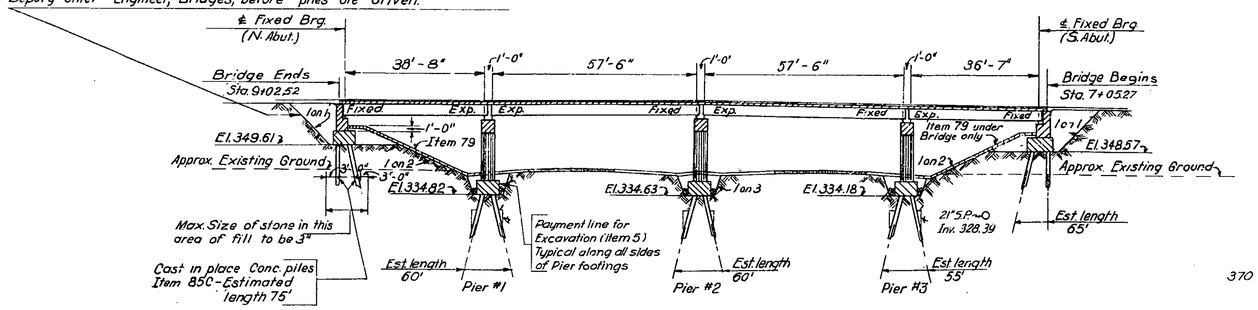
In Charge of: P. Harris
Made by: D. Corbin
Checked by: A. Roma-Leroux
Traced by: J. Reynolds
Tracing Chk by: F. Rothermel

24:1

M. 2. 53-3 S.T 53-7

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			84	157
N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				

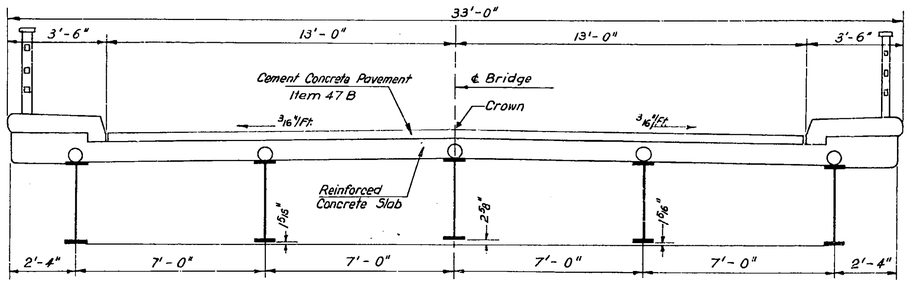
Fill to these upper limits shall be placed and consolidated in a manner and for a period of time satisfactory to the Deputy Chief Engineer, Bridges, before piles are driven.



LONGITUDINAL SECTION

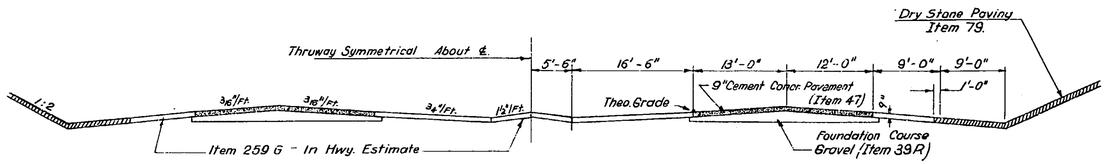
THROUGH ℄ OF BRIDGE

Scale: 1" = 20'



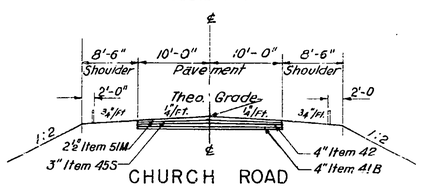
TYPICAL CROSS SECTION OF SUPERSTRUCTURE

Scale: 3/8" = 1'-0"



THRUWAY SECTION UNDER BRIDGE

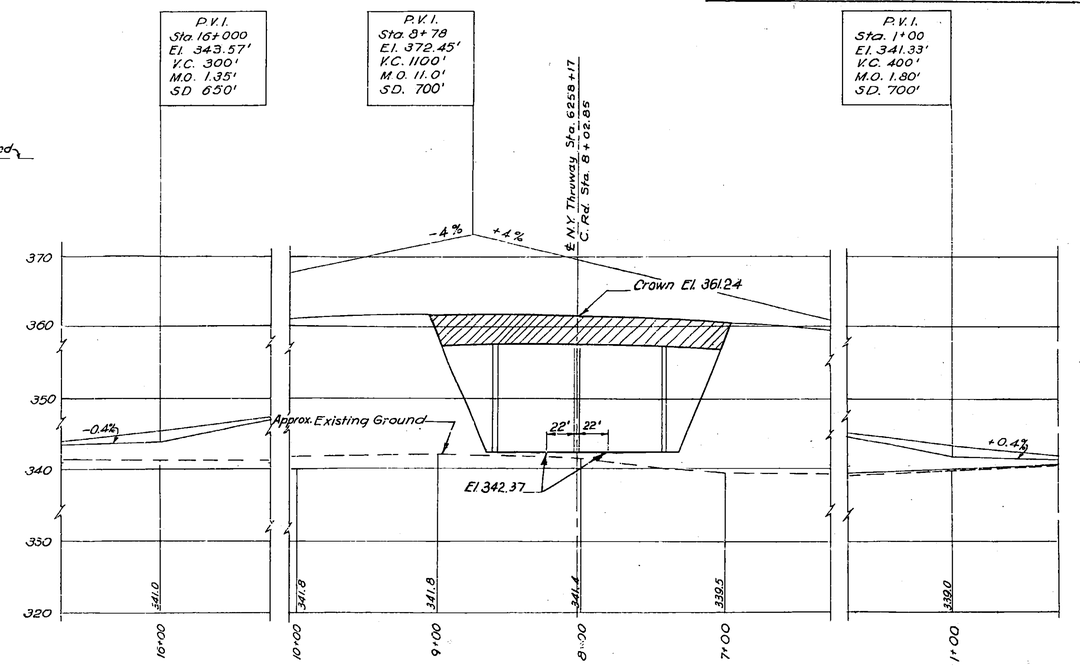
Scale: 1" = 10'



CHURCH ROAD

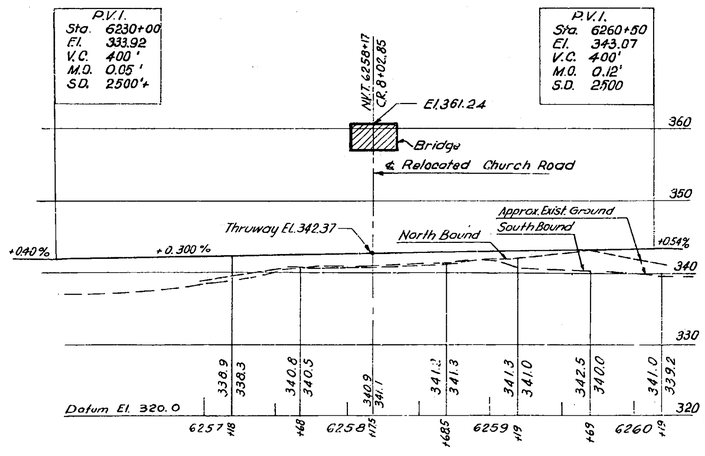
APPROACH SECTION

Scale: 1" = 10'



RELOCATED CHURCH ROAD PROFILE

Scale: Vert.: 1" = 10'
Horiz.: 1" = 50'



REFERENCE DRAWINGS:

Thruway, Plan & Profile ___ 481-3-10A-3
Thruway, Typical Section ___ 481-3-70-4
General Plan, Elev. & Notes & Det. ___ M2

MOHAWK THRUWAY
UNDER CHURCH RD., CO. RD. #7R
STA. 6258+17
SCHENECTADY CO.

THRUWAY PROFILE

Scale: Vert.: 1" = 10'
Horiz.: 1" = 50'

PROFILES & SECTIONS

SCALE — AS NOTED

Prepared and Recommended:
E. H. Harlow
E. H. HARLOW, VICE PRES. N.Y. STATE P. E. LIC. NO. 20747
Jan 9 '59
DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

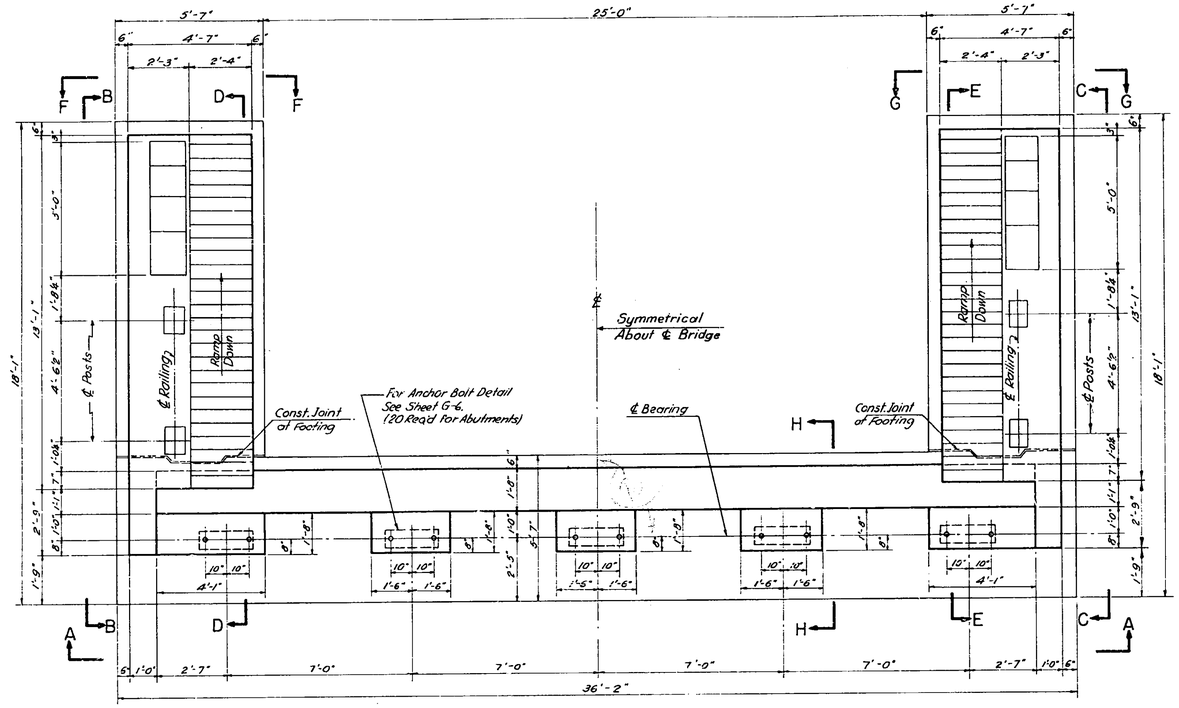
In Charge of: R. Harris
Made by: F.E. Pannone
Checked: Romo-Leroux
Traced by: W. Chamula
Tracing Chk by: J. Davison

DWG. NO. 481-3-10E-1603

M 3

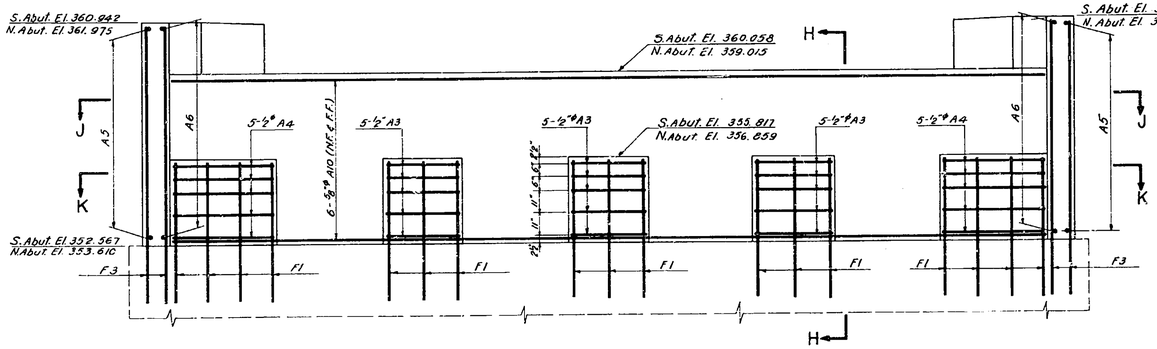
M.T. 58-3 S.T 53-7

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			85	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



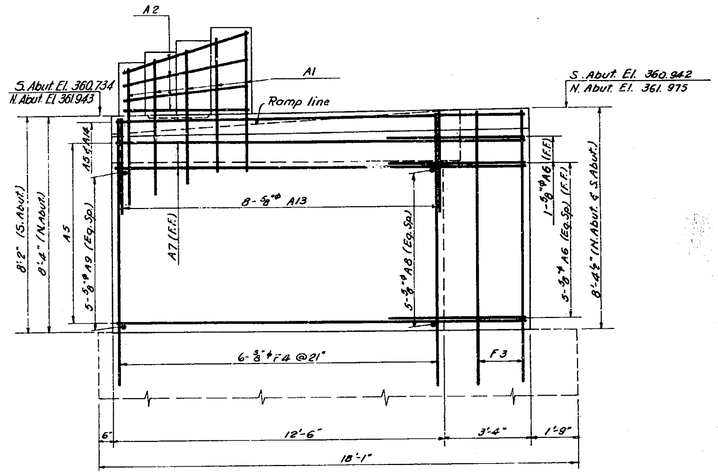
PLAN

(NORTH & SOUTH ABUTMENTS)



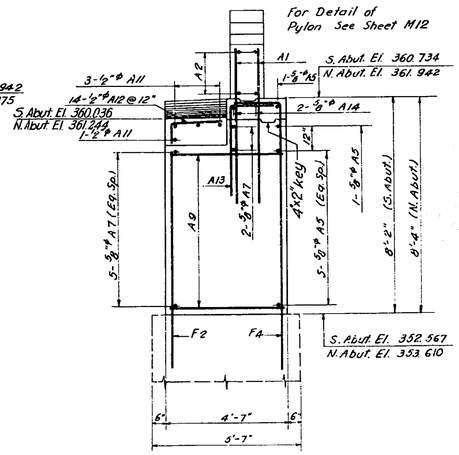
ELEVATION A-A

(NORTH & SOUTH ABUTMENTS)



ELEVATION B-B

ELEVATION C-C (OPPOSITE HAND.)



ELEVATION F-F

ELEVATION G-G (OPPOSITE HAND)

NOTES:

Placing dimensions are given center to center of bars, unless noted.
Where reinforcement interferes with anchor bolt sleeves, etc. shift or bend bars.
Concrete cover for reinforcement shall be 2" minimum.
For F-bars see Sheet M7
Concrete for Abutments shall be Item 18.
Concrete for Pylons shall be Item 19.
Bar Reinforcement for Abutments & Pylons shall be Item 28.

REFERENCE DRAWINGS:

General Plan, Elevation & Notes	M2
Profiles & Sections	M3
Footings, Plans & Sections	M7
Bridge Slab, Plan, Sections & Details	M8
Railing & Pylon Location	M10
Standard Bridge Details	M11
Standard Bridge Details	M12
Bar Schedule	M13

MOHAWK THRUWAY
UNDER CHURCH RD., CO. RD. #7R
STA. 6258+17
SCHENECTADY CO.

ABUTMENTS
PLANS & ELEVATIONS
SCALE: 3/8"=1'-0"

DWG. NO. 481-3-10E-1604

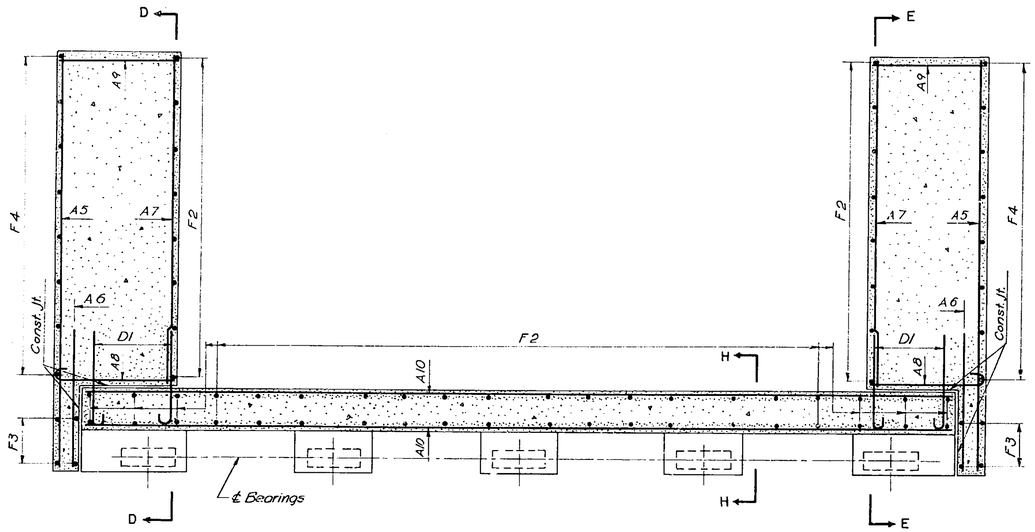
Prepared and Recommended:
E.H. Harlow
E.H. HARLOW, VICE PRES. N.Y. STATE P.E. LIC. NO. 20747
Jan 9 '53
DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

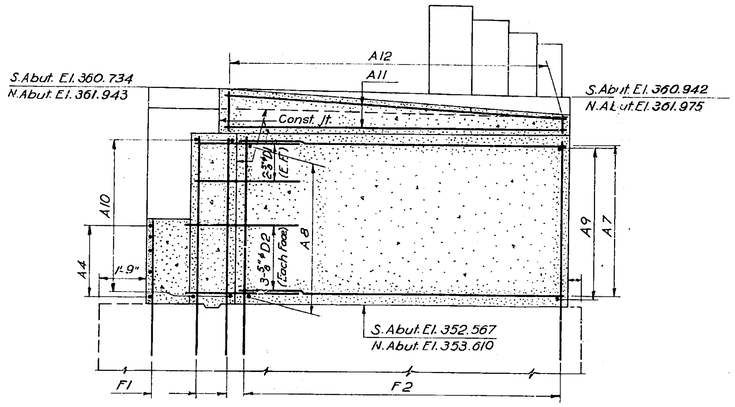
In Charge of: R. Harris
Made by: I. Davison
Checked by: A. Porno-Leroux
Traced by: O. Wisgrew.
Tracing Chk by: M. Uriko

M.T. 53-3 S.T 53-7

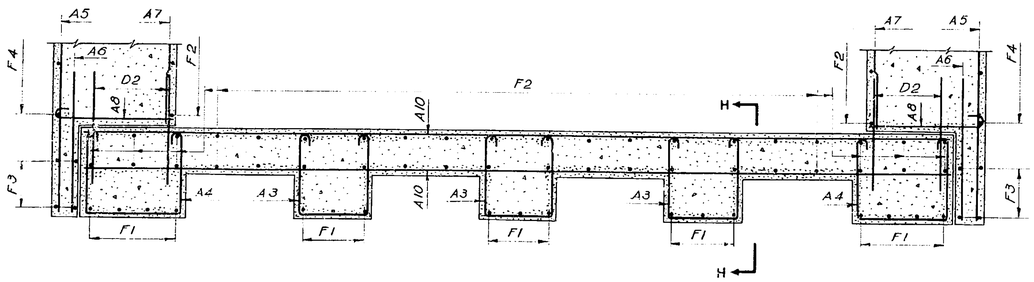
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			86	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



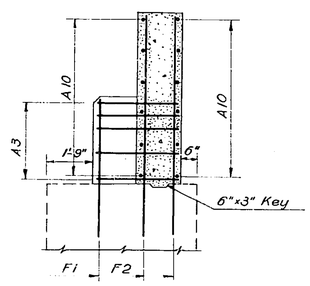
SECTION J-J



SECTION D-D
SECTION E-E (OPPOSITE HAND)



SECTION K-K



SECTION H-H

NOTES

Placing dimensions given center to center of bars unless noted.
Where reinforcement interferes with anchor bolt sleeves, etc., shift or bend bars.
Concrete cover for reinforcement shall be 2" minimum.
For F-bars see Sheet M7.
Concrete for Abutments shall be item 18.
Concrete for Pylons shall be item 19.
Bar Reinforcement for Abutments & Pylons shall be item 28.

REFERENCE DRAWINGS

General Plan & Notes _____ M2
Abutments, Plans & Elevations _____ M4
Abut. & Pylons Sections _____ M7
Superstructure Details _____ M11
Superstructure Details _____ M12
Bar Schedule _____ M13

MOHAWK THRUWAY
UNDER CHURCH RD., CO. RD. #7R
STA. 6258+17
SCHENECTADY CO.

ABUTMENTS

SECTIONS & DETAILS

SCALE 3/8" = 1'-0

Prepared and Recommended:
E. H. Harlow — Jan 9 '57
E. H. HARLOW, VICE PRES. N.Y. STATE P.E. LIC. NO. 20747 — DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

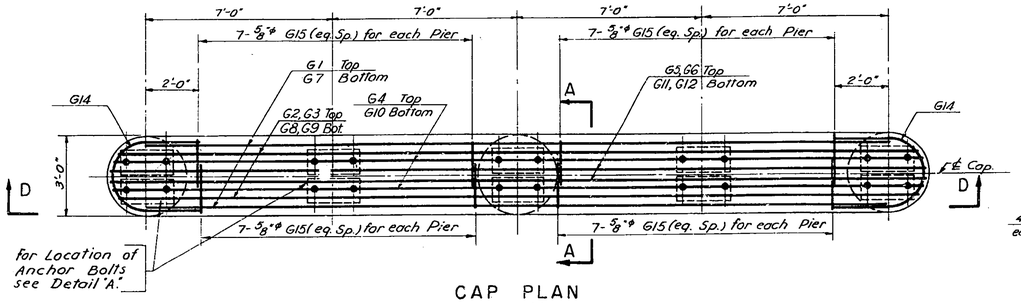
In Charge of: R. Harris
Made by: J. Davison
Checked by: A. Romo-Leroux
Traced by: P. Piasecky J.
Tracing Chk by: M. Uriko

DWG. NO. 481-3-10E-1605

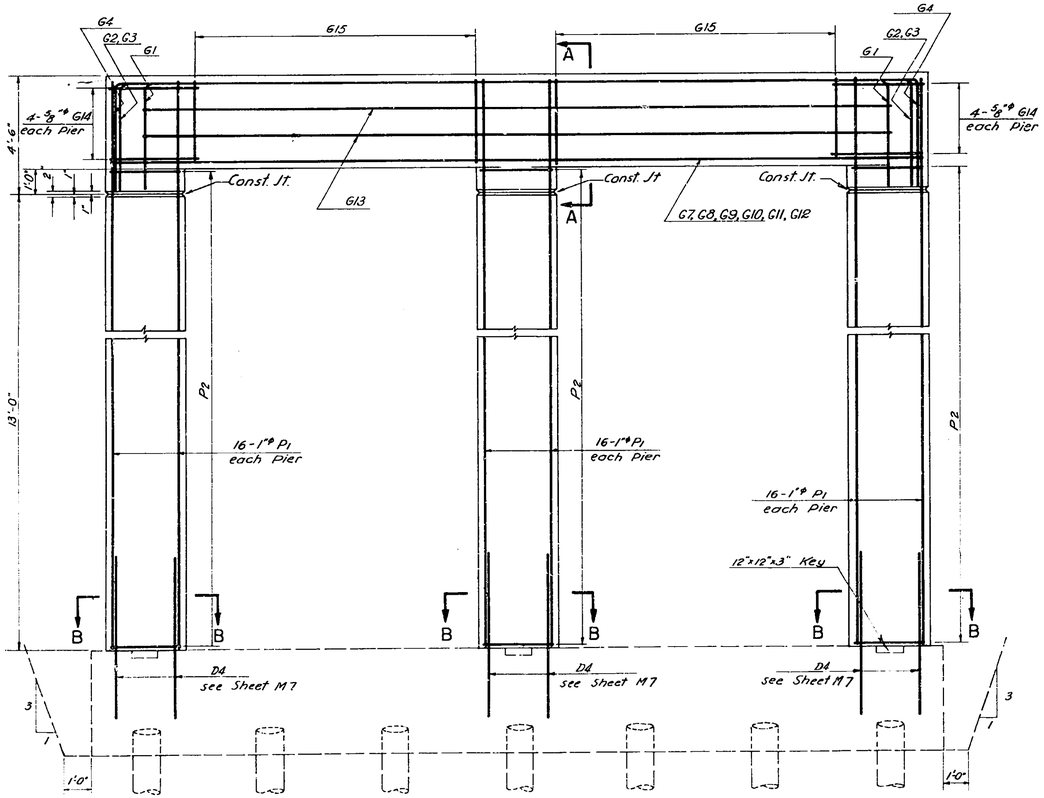
24:1

M.T. 53-3 S.T 53-7

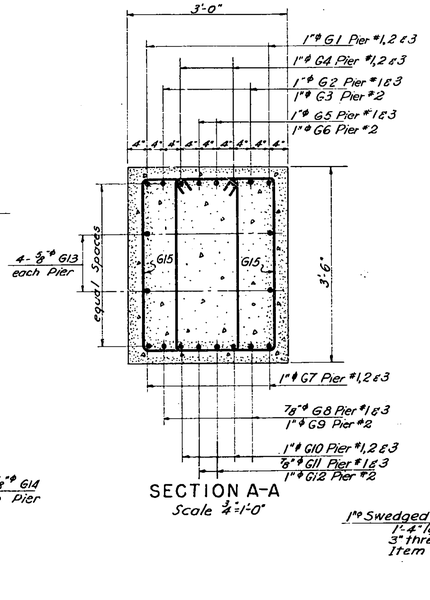
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			87	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



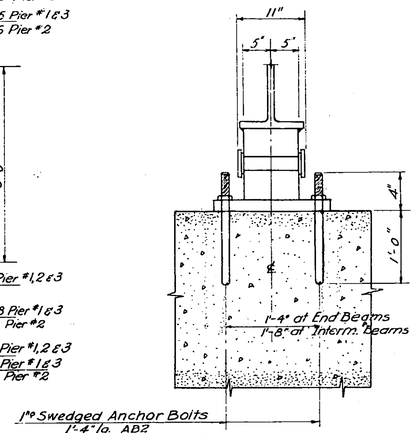
CAP PLAN
Scale ⅜"=1'-0"



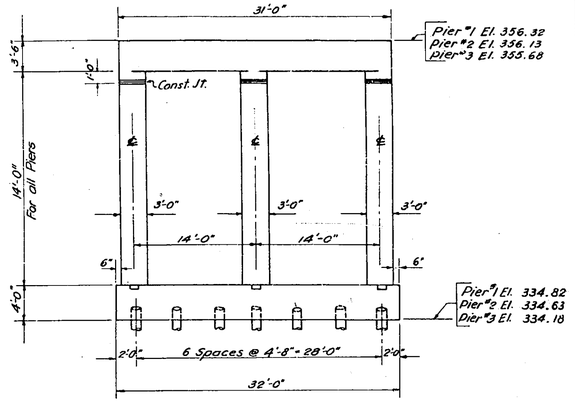
ELEVATION D-D
Scale ⅜"=1'-0"



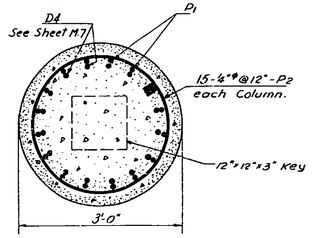
SECTION A-A
Scale ½"=1'-0"



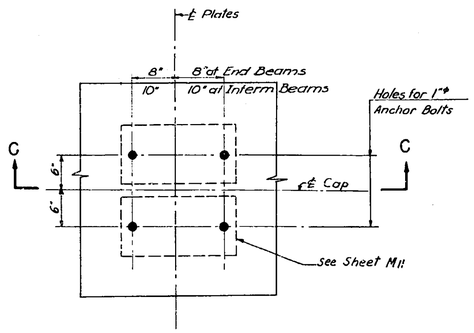
SECTION C-C
Scale 1"=1'-0"



ELEVATION
Scale ⅜"=1'-0"



SECTION B-B
Scale ¾"=1'-0"



DETAIL A
Scale 1"=1'-0"

NOTES:

Placing dimensions are given center to center of bars, unless noted.
Where reinforcement interferes with anchor bolt sleeves, spiral connectors, etc. shift or bend bars.
Concrete cover for reinforcement shall be 2" minimum
Concrete for Piers shall be Item 18.
Bar Reinforcement for Piers shall be Item 28
All anchor bolts shall be accurately set and securely held in position in the forms while concrete is being placed.

REFERENCE DRAWINGS:

General Plan, Elevation & Notes ____ M2
Profiles & Sections ____ M3
Abutments, Plans & Elevations ____ M4
Footings, Plans & Sections ____ M7
Beams & Diaphragms, Plan, Sect. & Det. ____ M9
Railing & Pylon Location ____ M10
Standard Bridge Details ____ M11
Standard Bridge Details ____ M12
Bar Schedule ____ M13

MOHAWK THRUWAY
UNDER CHURCH RD., CO. RD. #7R
STA. 6258+17
SCHENECTADY CO.

PIERS
PLAN, ELEVATIONS, SECT. & DET.

SCALE—AS NOTED

DWG. NO. 491-3-10E-1606

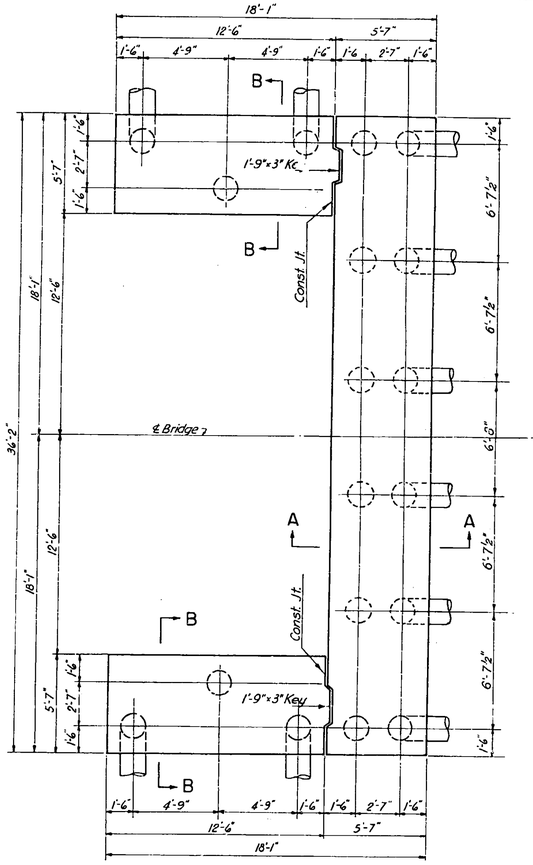
Prepared and Recommended:
E.H. Harlow
E.H. HARLOW, VICE PRES. N.Y. STATE P.E. LIC. NO. 20747
Jan 9 '53
DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: P. Lewicky
Checked by: A. Romo-Leroux
Traced by: O. Wisprew
Tracing Chk by: M. Uriko

M. T. 53-3 S.T 53-7

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			88	157

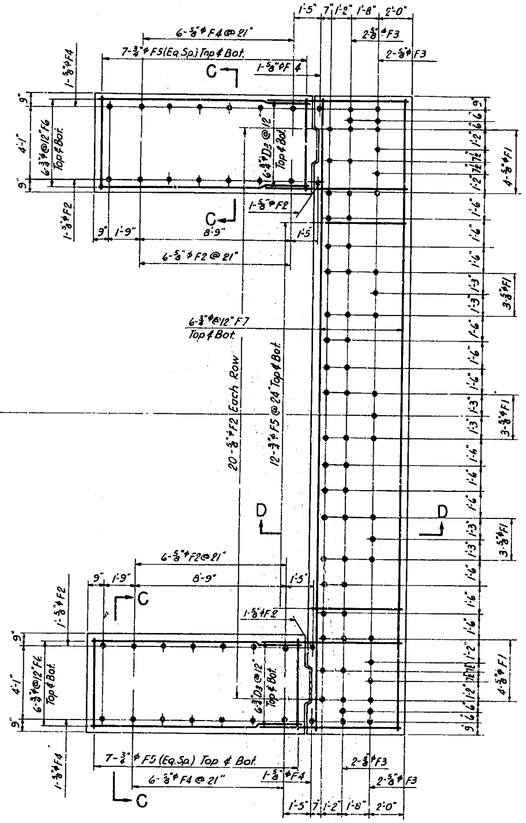
N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1



PILE PLAN

(NORTH & SOUTH ABUTMENT FOOTINGS)

Scale ¼" = 1'-0"



REINFORCING PLAN

(NORTH & SOUTH ABUTMENT FOOTINGS)

Scale ¼" = 1'-0"

NOTE:

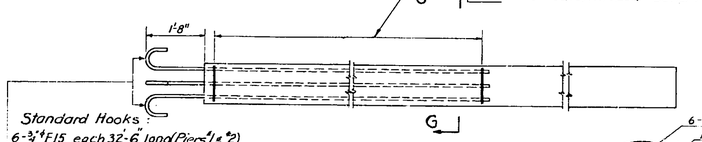
Reinforcing cages shall be fabricated before being placed and held in position while concrete is being poured.

Estimated length of piles:

S. Abutment 65'-0" long, N. Abutment 75'-0" long

Piers #1 & #2 60'-0" long, Pier #3 55'-0" long

31-¼"ϕ F10 Hoops, (Piers #1 & #2)
29-¼"ϕ F10 Hoops, (Pier #3)
23-¼"ϕ F10 Hoops, (S. Abut.) - Str. Piles
26-¼"ϕ F10 Hoops, (N. Abut.) - Str. Piles
34-¼"ϕ F10 Hoops, (S. Abut.) - Batter Piles
40-¼"ϕ F10 Hoops, (N. Abut.) - Batter Piles



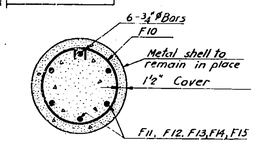
Standard Hooks:

6-¾"ϕ F15 each 32'-6" long (Piers #1 & #2)
6-¾"ϕ F13 each 30'-0" long (Pier #3)
6-¾"ϕ F11 each 24'-0" long (S. Abut.) - Str. Piles
6-¾"ϕ F14 each 27'-6" long (N. Abut.) - Str. Piles
6-¾"ϕ F12 each 35'-0" long (S. Abut.) - Batter Piles
6-¾"ϕ F16 each 40'-0" long (N. Abut.) - Batter Piles

PILE REINFORCEMENT DETAIL

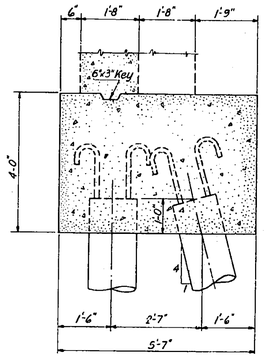
(TYPICAL FOR ALL PILES)

Scale ½" = 1'-0"



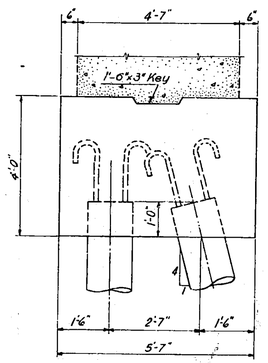
SECTION G-G

Scale 1" = 1'-0"



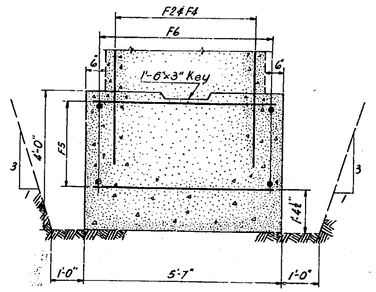
SECTION A-A

Scale ½" = 1'-0"



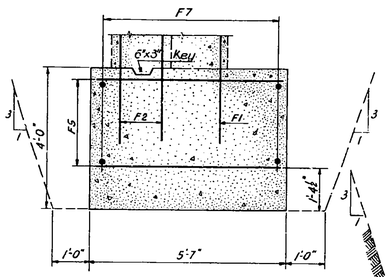
SECTION B-B

Scale ½" = 1'-0"



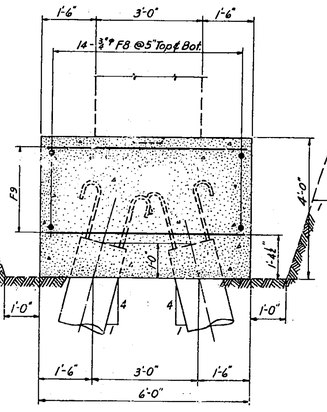
SECTION C-C

Scale ½" = 1'-0"



SECTION D-D

Scale ½" = 1'-0"



SECTION E-E

Scale ½" = 1'-0"

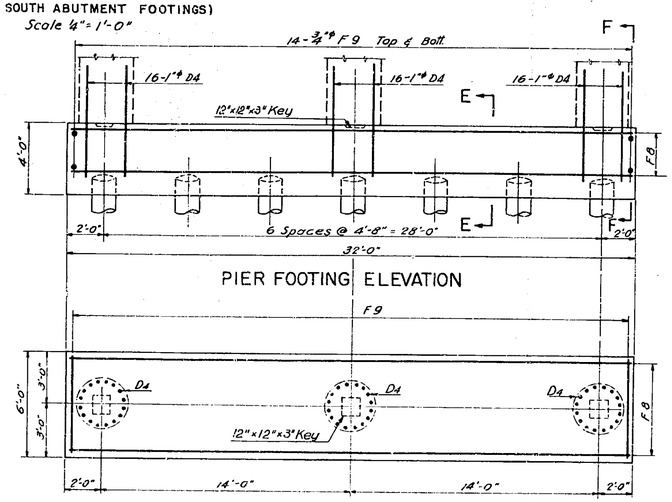
Payment line for Excavation (Item 5) Typical along all sides of footings.

NOTES:

All piles shall be cast in place. Concrete piles, Item 85C
Placing dimensions are given center to center of bars unless noted.
Minimum lap length for splices shall be 40 diameters.
Concrete cover for reinforcement shall be 3" minimum unless noted.
For design purposes, load assumed not to exceed 30 Tons per pile.

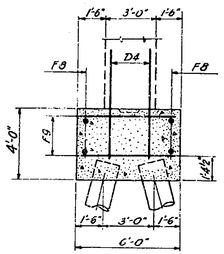
REFERENCE DRAWINGS:

Profiles & Sections	M3
Abutments, Plans & Elevations	M4
Abutments, Sections & Details	M5
Piers, Elevations, Sections & Details	M6
Bar Schedule	M13



PIER FOOTING PLAN

Scale ¼" = 1'-0"



SECTION F-F

Scale ¼" = 1'-0"

MOHAWK THRUWAY
UNDER CHURCH RD., CO. RD. #7R
STA. 6258+17
SCHENECTADY CO.

FOOTINGS

PLANS, ELEVATIONS & SECTIONS

SCALE AS SHOWN

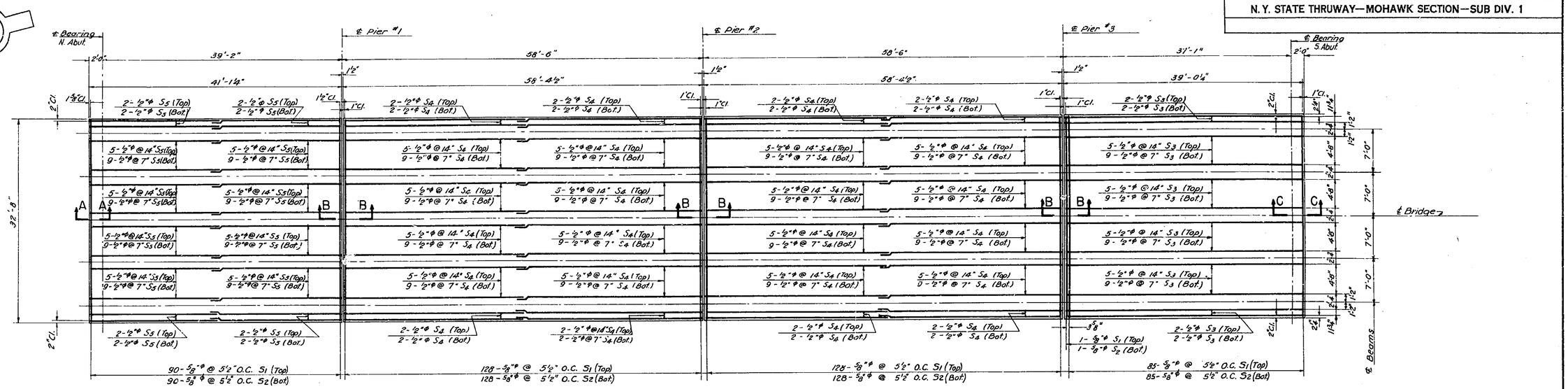
Prepared and Recommended:
E.H. Harlow
E.H. HARLOW, VICE PRES. N.Y. STATE P.E. LIC. NO. 20747 DATE Jan 9 53
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: J. Davison
Checked by: A. Roma-Leroux
Traced by: J. Reynolds
Tracing Chk by: M. Uriko

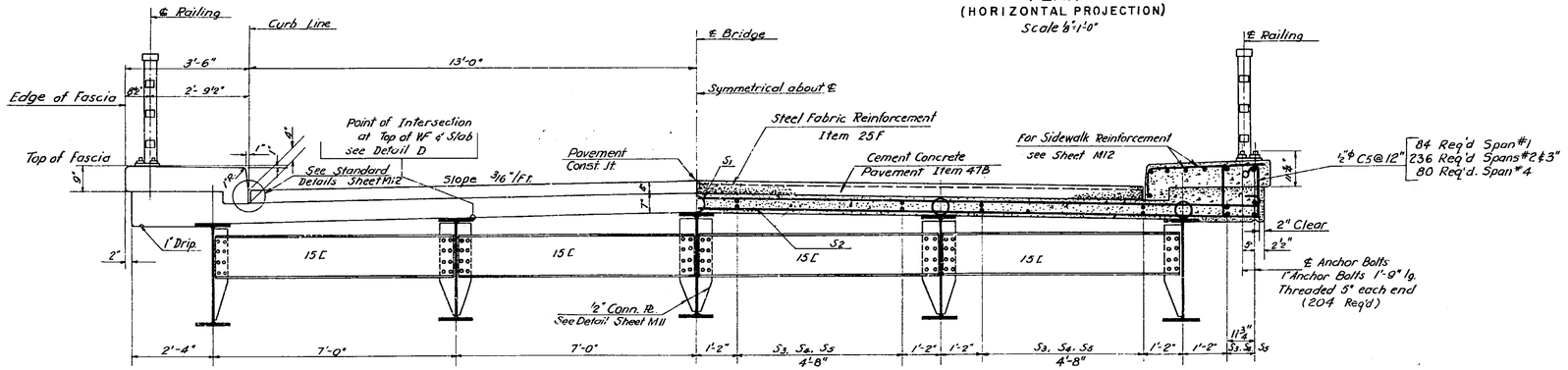
DWG. NO. 481-3-10E-1607

M 7

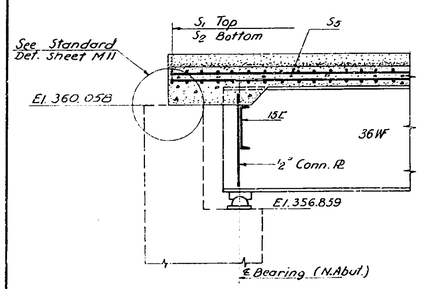
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			89	157
N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



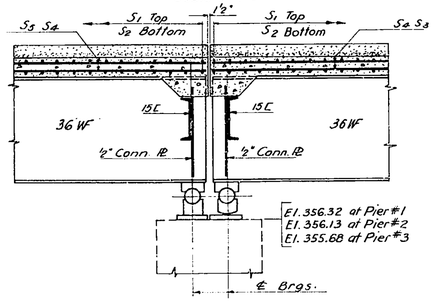
PLAN
(HORIZONTAL PROJECTION)
Scale ⅛"=1'-0"



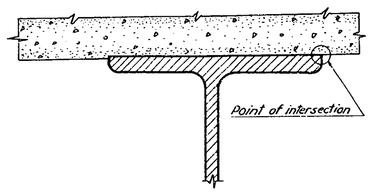
TYPICAL SECTION
Scale ½"=1'-0"



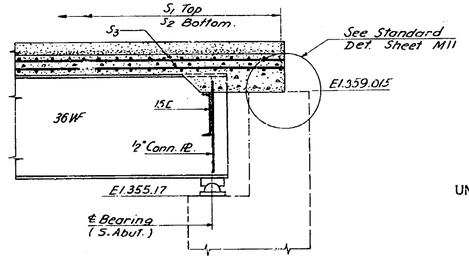
SECTION A-A
Scale ½"=1'-0"



SECTION B-B
Scale ½"=1'-0"



DETAIL D
Scale 3"=1'-0"



SECTION C-C
Scale ½"=1'-0"

NOTES:
Placing dimensions are given center to center of bars, unless noted.
Where reinforcement interferes with anchor bolt sleeves, spiral connectors, etc. shift or bend bars.
Minimum lap length for splices shall be 40 bar diam.
Concrete cover shall be 1" min. unless noted.

REFERENCE DRAWINGS:

General Plan, Elevations, Notes & Details	M2
Profiles & Sections	M3
Abutments, Plan & Elevations	M4
Piers, Plan, Elev., Sect. & Details	M6
Beams & Diaphragms, Plan, Section & Details	M9
Standard Bridge Details	M11
Standard Bridge Details	M12
Bar Schedule	M13

MOHAWK THRUWAY
UNDER CHURCH RD., CO. RD. #7R
STA. 6258+17
SCHENECTADY CO.

BRIDGE SLAB
PLAN, SECTIONS & DETAILS

SCALE—AS NOTED

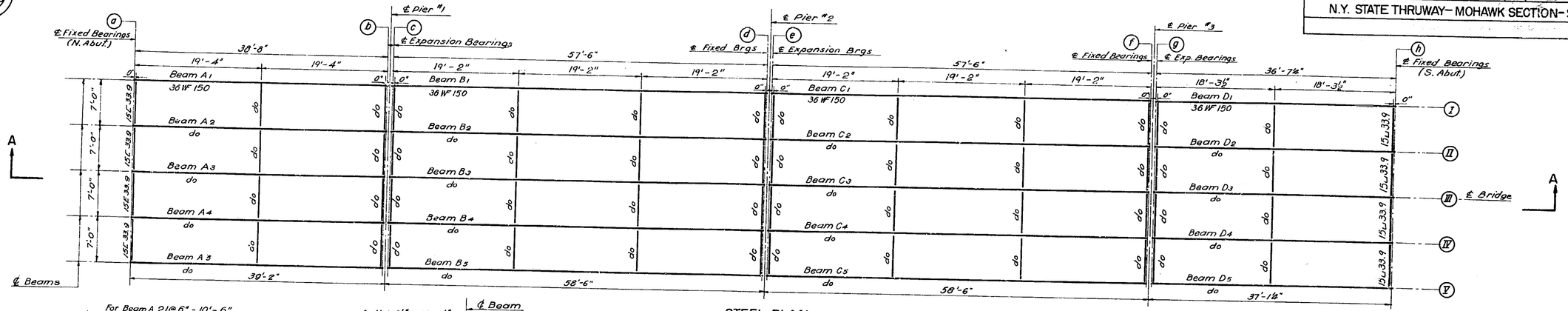
Prepared and Recommended:
E.R. Harlow — Jan 9 '73
E.R. HARLOW, VICE PRES. N.Y. STATE P. E. LIC. NO. 20747 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: I. Konikiewicz
Checked by: P. Leroux
Traced by: O Wisprew
Tracing Chk by: J. Davison

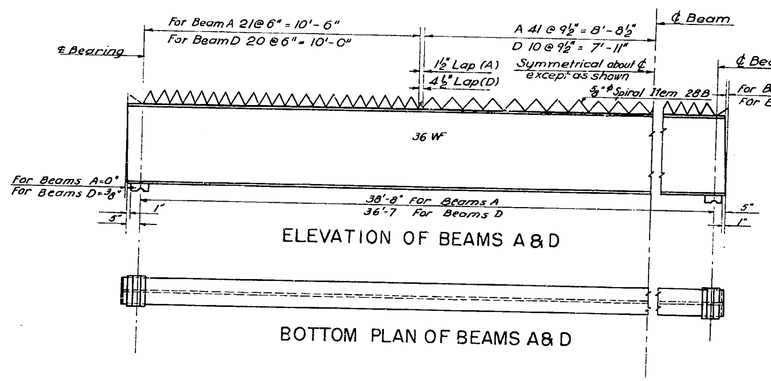
DWG. NO. 48i-3-10E-1608

M.T. 53-3 S.T 53-7

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			90	157
N.Y. STATE THRUWAY– MOHAWK SECTION– SUB DIV. I				

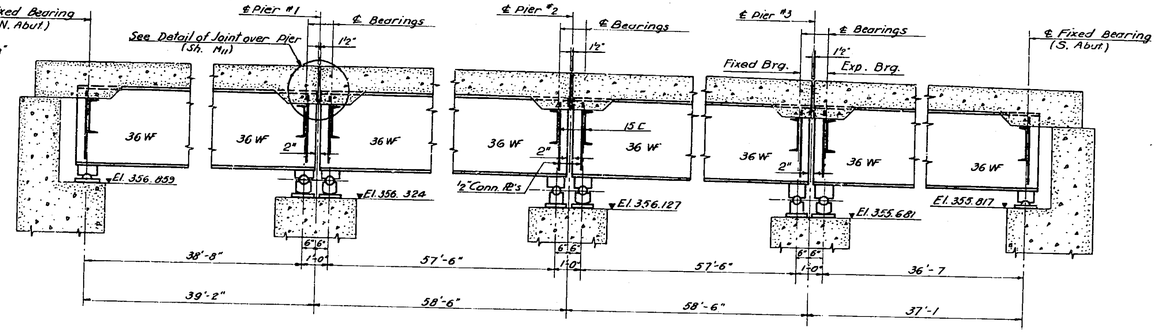


STEEL PLAN
Scale 1/8"-1'-0"

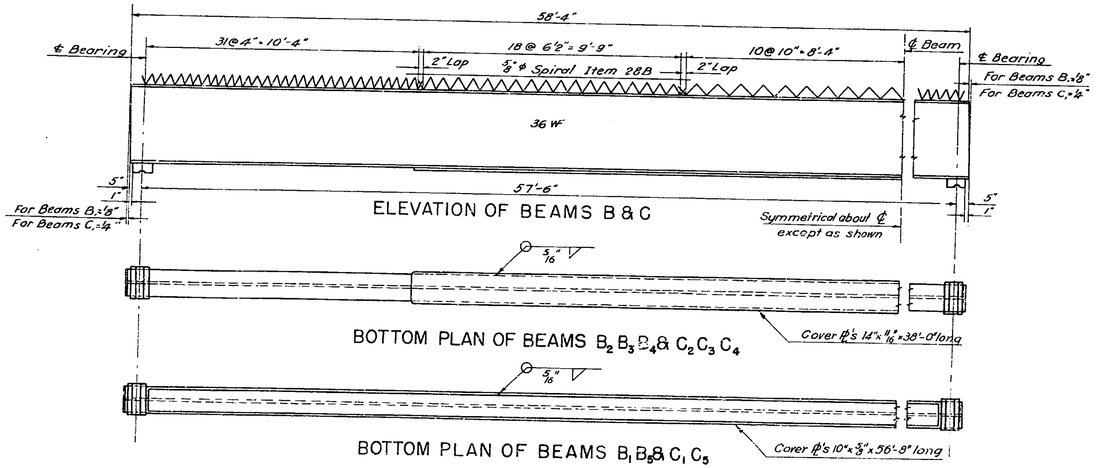


ELEVATION OF BEAMS A & D

BOTTOM PLAN OF BEAMS A & D



SECTION A-A



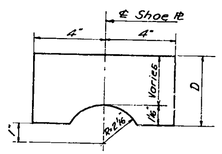
ELEVATION OF BEAMS B & C

BOTTOM PLAN OF BEAMS $B_2 B_3 B_4$ & $C_2 C_3 C_4$

BOTTOM PLAN OF BEAMS $B_1 B_5$ & $C_1 C_5$

N.ABUT.		PIER #1				PIER #2				PIER #3				S. ABUT.	
SHOE	D	SHOE	D	CHOE	D	SNOE	D	SHOE	D	SHOE	D	SHOE	D	SHOE	D
aI	3/16	bI	3/16	cI	3/16	dI	3/8	eI	3/16	fI	3/16	gI	3/16	hI	3/16
aII	4 3/8	bII	4 3/8	cII	4 3/8	dII	4 7/16	eII	4 3/8	fII	4½	gII	4 3/8	hII	4 3/8
aIII	5½	bIII	5½	cIII	5½	dIII	5 9/16	eIII	5½	fIII	5 5/8	gIII	5½	hIII	5½
aIV	4 3/8	bIV	4 3/8	cIV	4 3/8	dIV	4 7/16	eIV	4 3/8	fIV	4½	gIV	4 3/8	hIV	4 3/8
aV	3/16	bV	3/16	cV	3/16	dV	3/8	eV	3/16	fV	3 3/16	gV	3/16	hV	3/16

BEARING SHOE DIMENSIONS



BEARING SHOE
Scale 3"=1'-0"

NOTES:
For Spirals and Bearing Details see Sheet M11.
Camber ¾" for "A" Beams.
Camber 2¼" for "B" Beams.
Camber 2½" for "C" Beams.
Camber 1" for "D" Beams
} DL & Curvature
Structural Steel shall be Item 29.

REFERENCE DRAWINGS:
General Plan, Elevation, Notes & Details ... M2
Profiles & Sections ... M3
Abutments, Plans & Elevations ... M4
Piers, Plan, Elevations, Sections & Details ... M6
Bridge Slab, Plan, Sections & Details ... M9
Standard Bridge Details ... M11
Standard Bridge Details ... M12

MOHAWK THRUWAY
UNDER CHURCH RD., CO. RD. #7R
STA. 6258+17
SCHENECTADY CO.

BEAMS & DIAPHRAGMS
PLAN, SECTION & DETAILS
SCALE ⅜"= 1'-0"
EXCEPT AS NOTED

DWG. NO. 481-3-10 E-1609

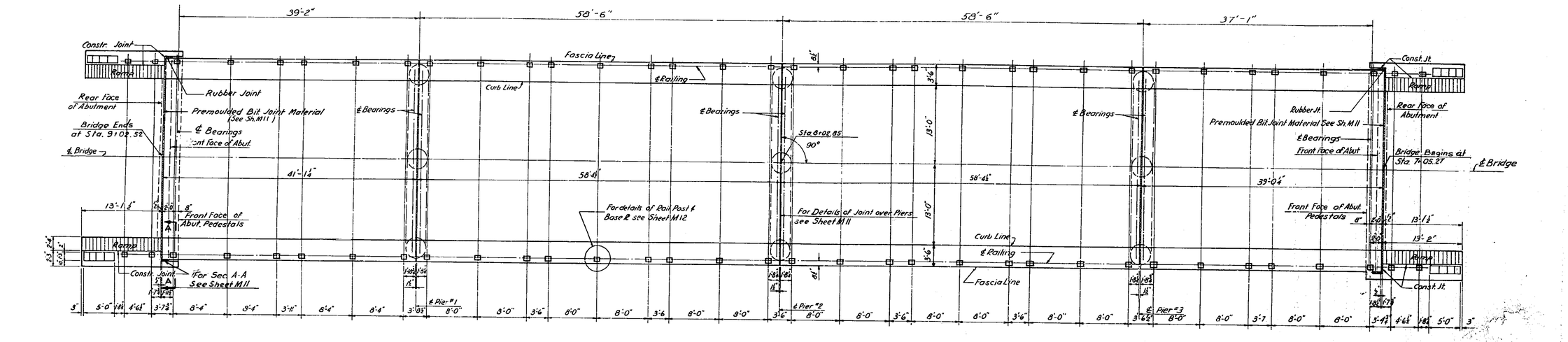
Prepared and Recommended:
E. H. Harlow, VICE PRES N.Y. STATE P. E. LIC. NO. 20747
Jan 9 '53 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

IN CHARGE OF: R. Harris
MADE BY: M. Uriko
CHECKED BY: A. Roma-Leroux
TRACED BY: O. Wisgrew
TRACING CHK BY: J. Davison

M9

M.T. 53-3 S.T 53-7

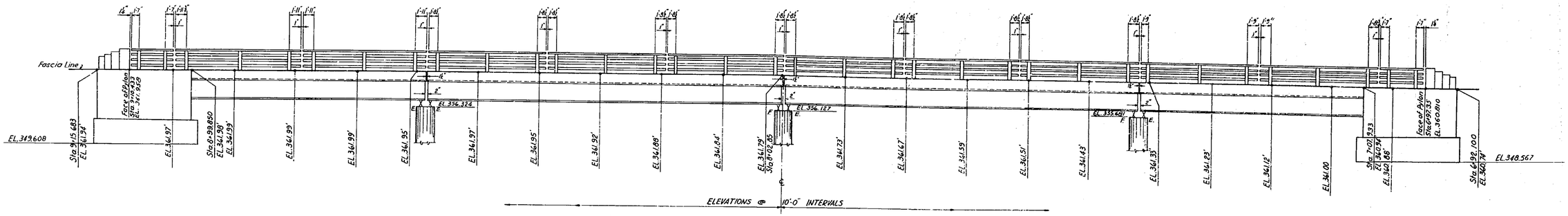
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			91	157
N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



PLAN VIEW
HORIZONTAL PROJECTION

REFERENCE DRAWINGS:

General Plan, Elevation, Notes & Details	M2
Profiles & Sections	M3
Abutments, Plans & Elevations	M4
Piers, Plan, Elevation, Sections & Details	M6
Bridge Slab, Plan, Sections & Details	M8
Beams & Diaphragms, Plan, Section, & Details	M9
Standard Bridge Details	M11
Standard Bridge Details	M12



WEST ELEVATION
(EAST ELEVATION OPPOSITE HAND)

MOHAWK THRUWAY
UNDER CHURCH RD., CO. RD. #7R
STA. 6258+17
SCHENECTADY CO.

RAILING & PYLON LOCATION
SCALE ⅛"=1'-0"

Prepared and Recommended:
C.H. Harlow
C. H. HARLOW, VICE PRES. N. Y. STATE P. E. LIC. NO. 20747
June 9 '53
DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N. Y.

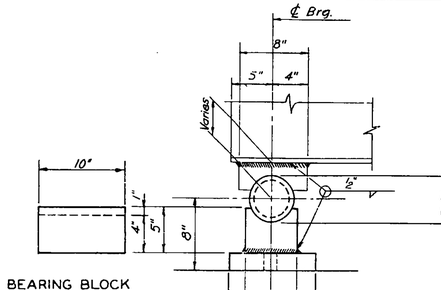
In Charge of: R-Harris
Made by: L. Kanikiewicz
Checked by: A. Roma-Leroux
Traced by: J. Reynolds
Tracing Chk by: J. Davison

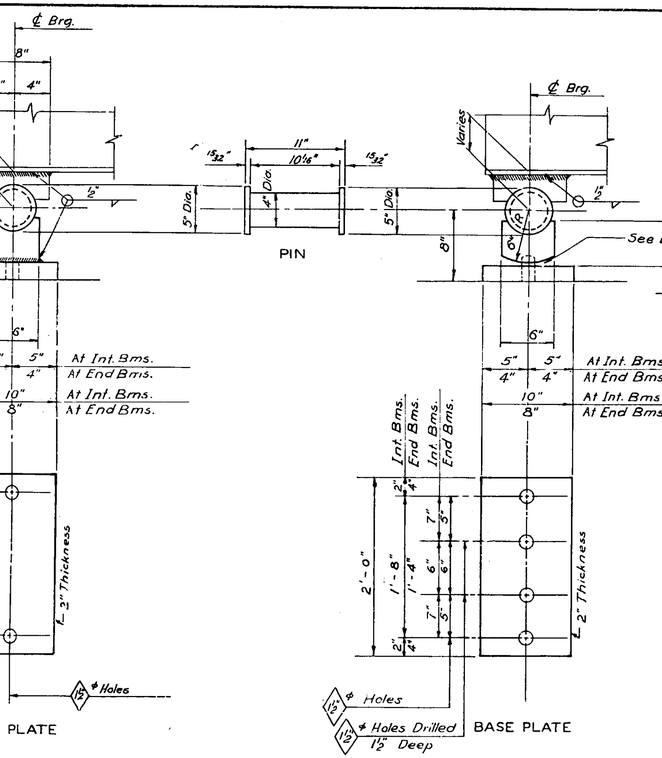
DWG. NO. 481-3-10E-1610

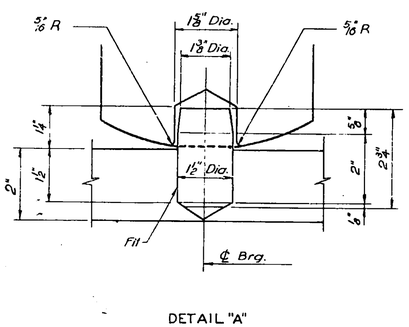
M 10

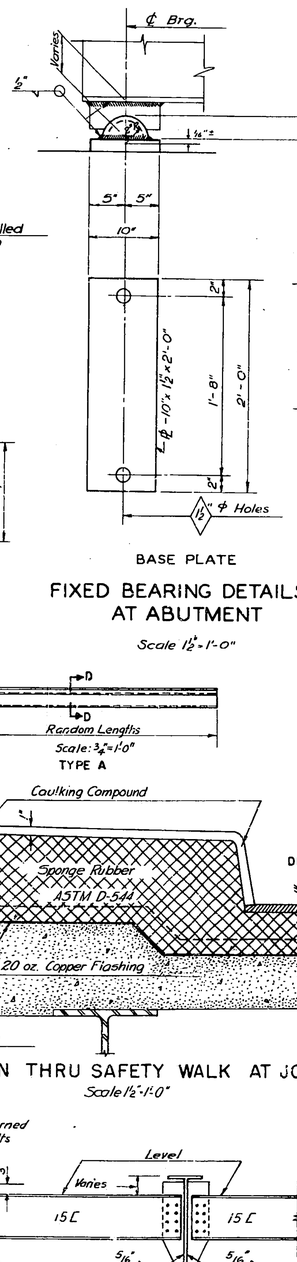
M.T. 53-3 S.T 53-7

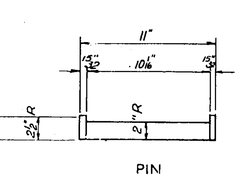
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			92	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				

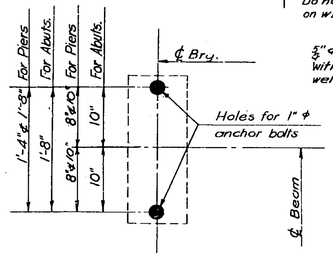






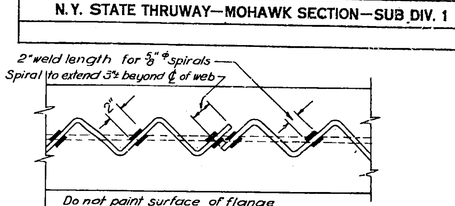


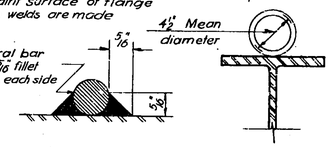




TEMPLATE FOR SETTING BEARING ANCHOR BOLTS

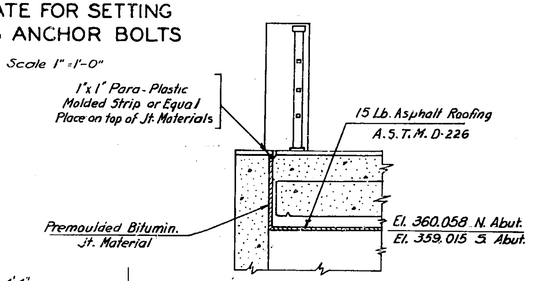
Scale 1" = 1'-0"





SPIRAL DETAILS

Scale 1½" = 1'-0"

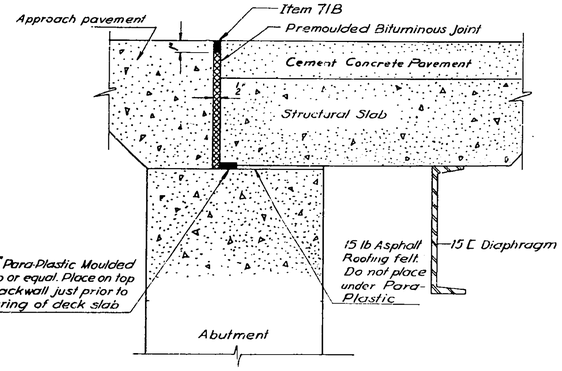


SECTION A-A

Scale ½" = 1'-0"

FIXED BEARING DETAILS AT ABUTMENT

Scale 1½" = 1'-0"



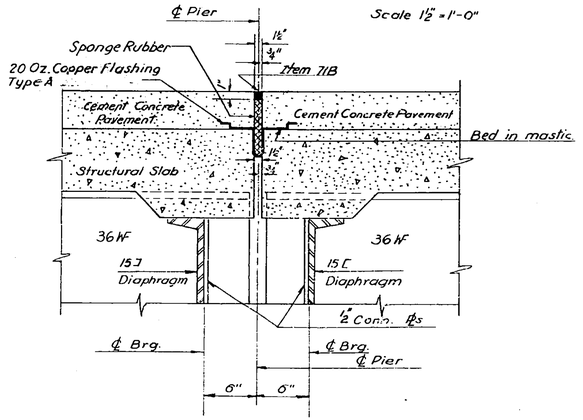
DETAIL OF JOINT AT ABUTMENT

FIXED BEARING DETAILS AT PIERS

Scale 1½" = 1'-0"

EXPANSION BEARING DETAILS AT PIERS

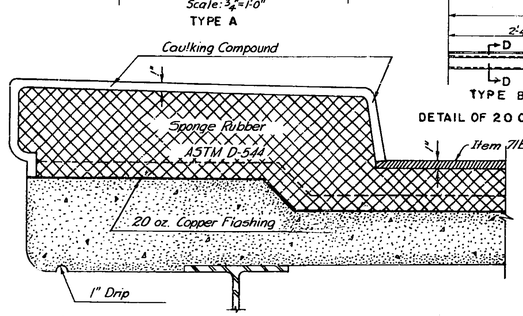
Scale 1½" = 1'-0"



DETAIL OF JOINT OVER PIERS

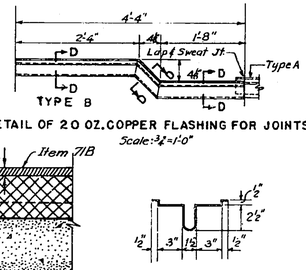
DETAILS OF JOINTS

Scale: 1½" = 1'-0"



SECTION THRU SAFETY WALK AT JOINT

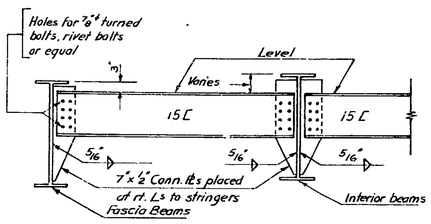
Scale 1½"-1'-0"



DETAIL OF 20 OZ. COPPER FLASHING FOR JOINTS

Scale: ¾"=1'-0"

SECTION D-D



DIAPHRAGM CONNECTIONS

Scale ½"-1'-0"

REFERENCE DRAWINGS:

Abutments, Plan & Elevations	M 4
Abutments, Sections, & Details	M 5
Piers, Plan, Elevations, Sections & Details	M 6
Bridge Slab, Plan, Section & Details	M 8
Beams & Diaphragms, Plan, Sec. & Details	M 9

NOTES:

Payment for Item 71B is included in Item 47.B "Cement Concrete Pavement" structural Steel shall be Item 29.

MOHAWK THRUWAY
UNDER CHURCH RD., CO. RD. #7R
STA. 6258+17
SCHENECTADY CO.

STANDARD BRIDGE DETAILS

SCALE - AS SHOWN

DWG. NO. 481-3-10E-1611

Prepared and Recommended:
E. H. Harlow
E.H.HARLOW, VICE PRES. N.Y.STATE P. E. LIC. NO. 20747
Jan 9 '63
DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: R. Lewicky
Checked by: A. Romo-Leroux
Traced by: R. Lewicky
Tracing Chk by: J. Davison

M11

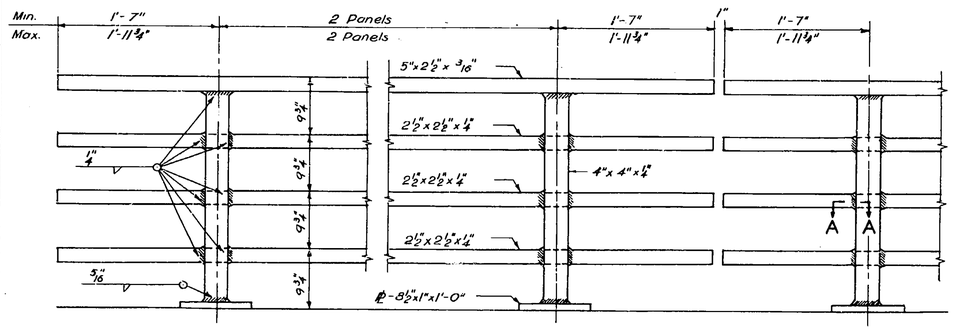
24:1

M.T. 53-3 S.T 53-7

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			93	157

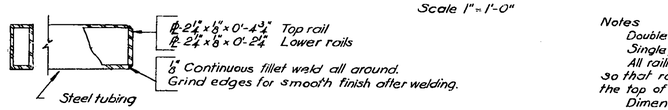
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1

See Plan



TYPICAL TUBULAR RAILING

Scale 1"= 1'-0"

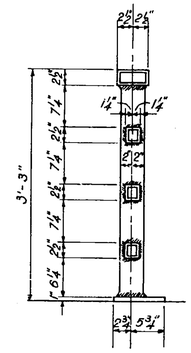


Notes

Double panel as shown.
Single panel similar except for panel length.
All railings are to be fabricated and erected so that rails are parallel to each other and to the top of fascia and posts are truly vertical.
Dimensions for tubing are outside dimensions.
Shop or field welding may be used in fabrication and erection of the railing.
All welds on railing shall be ground smooth.

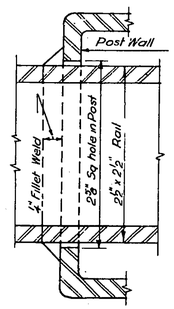
Consiruction Procedure

1 - Set railing anchor bolts by means of template and pour slab.
2 - Make two (2) applications of water proofing oil treatment M 41-W to the top of slab.
3 - The top of slab shall be continuously and thoroughly wetted down, as directed by the engineer, for at least one hour, immediately prior to the placing of the roadway pavement.
4 - Pour roadway pavement.
5 - Place lower nuts on upper end of anchor bolts.
6 - Place railing on lower nuts and adjust to bring railing to line and grade.
7 - Place upper nuts on anchor bolts; tighten down on plates.
8 - Pour sidewalk to proper line and grade.



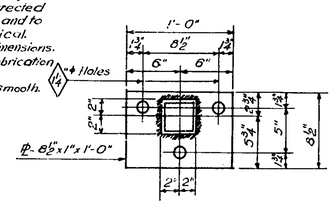
SECTION THRU RAILING

Scale 1"= 1'-0"



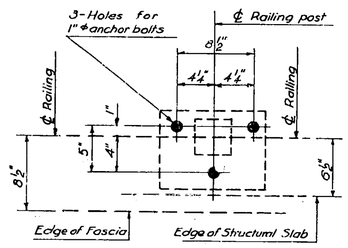
SECTION A-A

Scale - Full Size



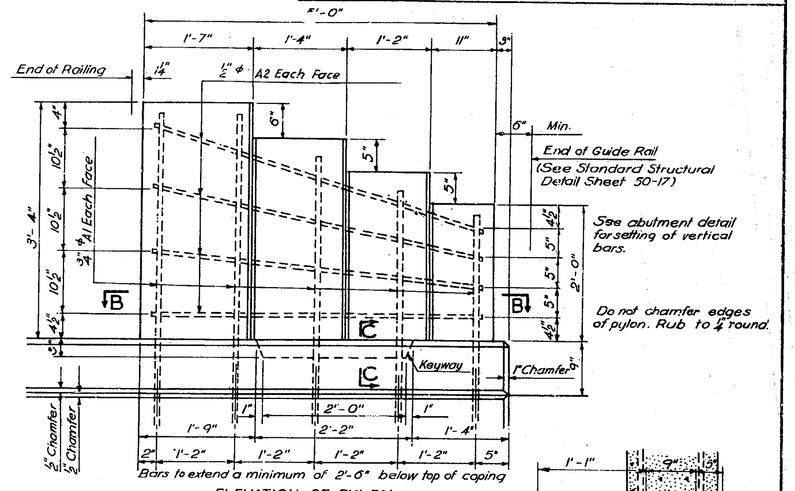
RAILING POST BASE PLATE

Scale 1½"= 1'-0"



TEMPLATE FOR SETTING
RAILING POST ANCHOR BOLTS

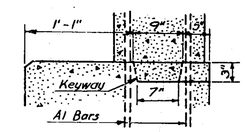
Scale 1½"= 1'-0"



ELEVATION OF PYLON

PYLON DETAIL

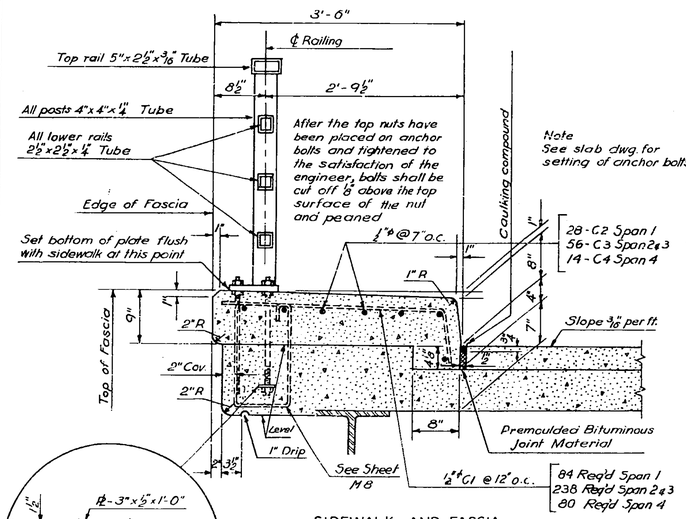
Scale 1"-1'-0"



SECTION C-C

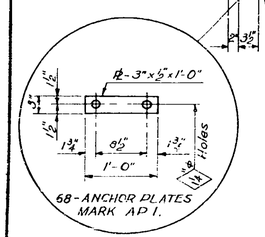
TUBULAR RAILING DETAILS

Scale - As Shown

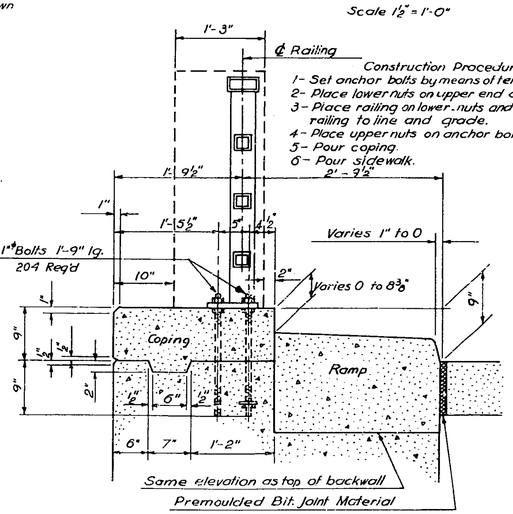


SIDEWALK AND FASCIA

Scale 1"-1'-0"



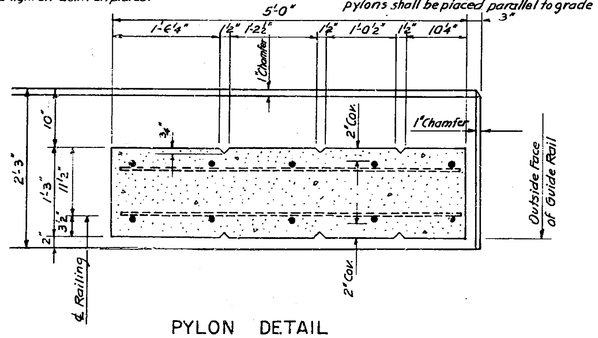
68-ANCHOR PLATES MARK AP 1.



SECTION THRU SUBSTRUCTURE

Construction Procedure

1- Set anchor bolts by means of template and pour wall.
2- Place lower nuts on upper end of anchor bolts.
3- Place railing on lower nuts and adjust to bring railing to line and grade.
4- Place upper nuts on anchor bolts and tighten down on plates.
5- Pour coping.
6- Pour sidewalk.



PYLON DETAIL

SECTION B-B

Scale 1"-1'-0"

SIDEWALK AND FASCIA DETAILS

Scale 1" - 1'-0"

NOTES:

Concrete for Sidewalk, Coping & Ramp shall be Item 18
Concrete for Pylons shall be Item 19
Bar Reinforcement shall be Item 28
Base Plates, Anchor Bolts & Misc. Steel shall be Item 29
Metal Railing shall be Item 37 Except for Railing
Payment for Item 71 B is included in Item 47 B- Cement Concrete Pavement."

REFERENCE DRAWINGS:

Abutments, Plan & Elevations	M4
Abutments, Sections, & Details	M5
Bridge Slab, Plan, Section & Details	M8
Railing & Pylon Location	M10
Standard Bridge Details	M11
Bar Schedule	M13

MOHAWK THRUWAY
UNDER CHURCH RD., CO. RD. #7R

STA. 6258 + 17
SCHENECTADY CO.

STANDARD BRIDGE DETAILS

SCALE - AS SHOWN

DWG. NO. 481-3-10E-1612

Prepared and Recommended:
E. H. Harlow
E. H. HARLOW, VICE PRES. N.Y. STATE P.E. LIC. NO. 20747
DATE June 9 '52
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: R. Lewicky
Checked by: A. Romo-Leroux
Traced by: R. Lewicky
Tracing Chk by: J. Davison

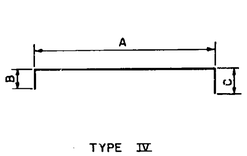
M12

M.T. 58-8 S.T 53-7

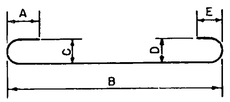
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			94	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				

LOCATION OF BARS	MARK	SIZE	NO. REQ'D.	LENGTH	TYPE	A	B	C	D	E	F	R	REMARKS
ABUTMENTS	A1	¾"ϕ	40	5'-8"	Str.								
	A2	½"ϕ	32	4'-9"	Str.							G	
	A3	½"ϕ	30	9'-8"	I	4"	3'-0"	2'-8"	3'-0"	4"	6"	6"	
	A4	½"ϕ	20	10'-9"	I	4"	3'-0"	3'-9"	3'-0"	4"	6"	6"	
	A5	⅝"ϕ	28	15'-6"	Str.								
	A6	⅝"ϕ	24	5'-3"	Str.								
	A7	⅝"ϕ	28	12'-3"	Str.								
	A8	⅝"ϕ	20	4'-10"	II	5"	4'-3"	5"					
	A9	⅝"ϕ	20	4'-3"	Str.								
	A10	⅝"ϕ	24	33'-0"	Str.								
	A11	½"ϕ	16	13'-0"	Str.								
	A12	½"ϕ	56	3'-1"	III	11" to 1'-8"	1'-1"	1"					4 Sets @ 14 bars, ΔA = ½"
	A13	⅝"ϕ	32	5'-3"	IV	3'-6"	1'-9"						
	A14	⅝"ϕ	8	13'-0"	Str.								
STRUCTURAL SLAB	S1	⅝"ϕ	432	33'-5"	II	5"	32'-5"	5"	5"	5"			
	S2	⅝"ϕ	432	32'-5"	Str.								
	S3	½"ϕ	64	40'-0"	Str.								
	S4	½"ϕ	256	30'-0"	Str.								
	S5	½"ϕ	128	21'-4"	Str.								
SIDEWALK	C1	½"ϕ	400	4'-0"	V	3'-2"	1"	10"					
	C2	½"ϕ	28	21'-4"	Str.								
	C3	½"ϕ	56	30'-0"	Str.								
	C4	½"ϕ	14	40'-0"	Str.								
	C5	½"ϕ	400	5'-0"	III	1'-1"	1'-5½"	4½"	4"	1'-5½"	5"		
FOOTINGS	D1	⅝"ϕ	16	4'-10"	II	5"	4'-3"	5"					
	D2	⅝"ϕ	24	4'-3"	Str.								
	D3	¾"ϕ	48	7'-10"	Str.								
	D4	1"ϕ	144	7'-0"	Str.								
	F1	⅝"ϕ	34	5'-3"	Str.								
	F2	¾"ϕ	112	8'-5"	Str.								
	F3	⅝"ϕ	16	10'-3"	Str.								
	F4	⅜"ϕ	32	12'-0"	IV	10'-3"	1'-9"						
	F5	¾"ϕ	104	5'-1"	Str.								
	F6	¾"ϕ	48	12'-3"	Str.								
	F7	¾"ϕ	24	35'-9"	Str.								
	F8	¾"ϕ	84	31'-6"	Str.								
	F9	¾"ϕ	84	5'-6"	Str.								
	F10	¼"ϕ	2406	2'-8"	VII	3¾"						4"	4"R = average radius
	F11	¾"ϕ	48	24'-0"	II	8"	23'-4"						
	F12	¾"ϕ	60	35'-0"	II	8"	34'-4"						
	F13	¾"ϕ	84	30'-0"	II	8"	29'-4"						
	F14	¾"ϕ	48	27'-6"	II	8"	26'-10"						
	F15	¾"ϕ	168	32'-6"	II	9"	31'-10"						
	F16	¾"ϕ	60	40'-0"	II	8"	39'-4"						
PIERS	P1	1"ϕ	144	17'-0"	Str.								
	P2	¼"ϕ	135	8'-6"	VII	3¾"						1'-3"	
	G1	1"□	6	36'-6"	IV	28'-2"	4'-2"	4'-2"					
	G2	1"ϕ	4	38'-0"	IV	29'-8"	4'-2"	4'-2"					
	G3	1"□	2	38'-0"	IV	29'-8"	4'-2"	4'-2"					
	G4	1"□	6	38'-6"	IV	30'-2"	4'-2"	4'-2"					
	G5	1"ϕ	4	38'-9"	IV	30'-5"	4'-2"	4'-2"					
	G6	1"□	2	38'-9"	IV	30'-5"	4'-2"	4'-2"					
	G7	1"□	6	28'-6"	Str.								
	G8	⅜"ϕ	4	29'-9"	Str.								
	G9	1"ϕ	2	29'-9"	Str.								
	G10	1"□	6	30'-3"	Str.								
	G11	⅜"ϕ	4	30'-6"	Str.								
	G12	1"ϕ	2	30'-6"	Str.								
PIERS (CONT'D.)	G13	⅝"ϕ	12	28'-0"	Str.								
	G14	⅝"ϕ	24	8'-0"	IV	2'-0"						1'-3⅝"	
	G15	⅝"ϕ	84	10'-11"	VIII	6"	3'-0¼"	1'-10¼"					

TYPE I



TYPE II



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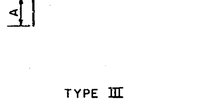
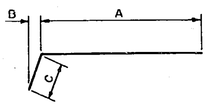


TYPE IV

TYPE V



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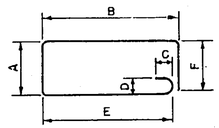

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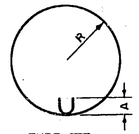
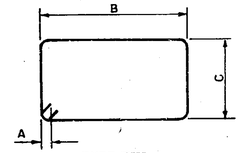


TYPE VIII



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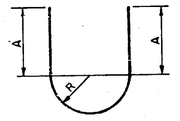
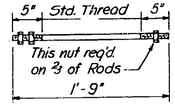
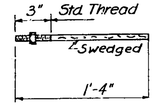


ANCHOR BOLT SCHEDULE - Item 29.

MARK	SIZE	NO. REQ'D.	LENGTH	NUTS SHAPE	NUTS NO. REQ'D.	LOCATION
AB1	1"ϕ	204	1'-9"	Hex.	544	Railings
AB2	1"ϕ	80	1'-4"	Hex.	80	Bearings



MARK AB1



MARK AB2

NOTES

MOHAWK THRUWAY
UNDER CHURCH RD., CO. RD. #7R
STA. 6258 + 17
SCHENECTADY CO.

BAR SCHEDULE

Prepared and Recommended:
E.H. Harlow
E.H. HARLOW, VIC. PRES. N.Y. STATE P.E. LIC. NO. 20747
DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: J. Davison
Checked by: M. Uriko
Traced by: J. Lee
Tracing Chk. by: J. Davison

DWG. NO. 481-3-10E-1613

M13

M.T. 53-3 S.T. 53-7

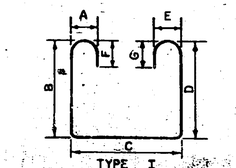
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			94	157

N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1

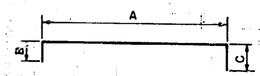
94R

LOCATION OF BARS	MARK	SIZE	NO. REQ'D.	LENGTH	TYPE	A	B	C	D	E	F	R	REMARKS
ABUTMENTS	A1	¾"ϕ	40	5'-8"	Str.								
	A2	½"ϕ	32	4'-9"	Str.							G	
	A3	½"ϕ	30	9'-8"	I	4"	3'-0"	2'-8"	3'-0"	4"	6"	6"	
	A4	½"ϕ	20	10'-9"	I	4"	3'-0"	3'-9"	3'-0"	4"	6"	6"	
	A5	⅝"ϕ	28	15'-6"	Str.								
	A6	⅝"ϕ	24	5'-3"	Str.								
	A7	⅜"ϕ	28	12'-3"	Str.								
	A8	⅝"ϕ	20	4'-10"	II	5"	4'-3"	5"					
	A9	⅜"ϕ	20	4'-3"	Str.								
	A10	½"ϕ	24	33'-0"	Str.								
	A11	½"ϕ	16	13'-0"	Str.								
	A12	½"ϕ	56	9'-1"	III	min. 1'-8"	1'-1"	1"	max. 2'-6"				4 Sets @ 14 bars, ΔA - 3/16"
	A13	⅝"ϕ	32	5'-3"	IV	3'-6"	1'-9"						
	A14	⅝"ϕ	8	13'-0"	Str.								
STRUCTURAL SLAB	S1	⅝"ϕ	432	33'-5"	II	5"	32'-5"	5"	5"	5"			
	S2	⅝"ϕ	432	32'-5"	Str.								
	S3	½"ϕ	64	40'-0"	Str.								
	S4	½"ϕ	256	30'-0"	Str.								
	S5	½"ϕ	128	21'-4"	Str.								
SIDEWALK	C1	½"ϕ	400	4'-0"	V	3'-2"	1"	10"					
	C2	½"ϕ	28	21'-4"	Str.								
	C3	½"ϕ	56	30'-0"	Str.								
	C4	½"ϕ	14	40'-0"	Str.								
	C5	½"ϕ	400	5'-0"	VI	1'-1"	1'-5½"	4½"	4"	1'-5½"	5"		
FOOTINGS	D1	⅝"ϕ	16	4'-10"	II	5"	4'-3"	5"					
	D2	⅜"ϕ	24	4'-3"	Str.								
	D3	⅜"ϕ	48	7'-10"	Str.								
	D4	1"ϕ	144	7'-0"	Str.								
	F1	⅝"ϕ	34	5'-3"	Str.								
	F2	⅝"ϕ	112	8'-5"	Str.								
	F3	⅝"ϕ	16	10'-3"	Str.								
	F4	⅜"ϕ	32	12'-0"	IV	10'-3"	1'-9"						
	F5	¾"ϕ	104	5'-1"	Str.								
	F6	¾"ϕ	48	12'-3"	Str.								
	F7	¾"ϕ	24	35'-9"	Str.								
	F8	¾"ϕ	84	31'-6"	Str.								
	F9	¾"ϕ	84	5'-6"	Str.								
	F10	¼"ϕ	2406	2'-8"	VII	3¾"						4"	4"R - average radius
	F11	¾"ϕ	48	24'-0"	II	8"	23'-4"						
	F12	¾"ϕ	60	35'-0"	II	8"	34'-4"						
	F13	¾"ϕ	84	30'-0"	II	8"	29'-4"						
	F14	¾"ϕ	48	27'-6"	II	8"	26'-10"						
	F15	¾"ϕ	168	32'-6"	II	8"	31'-10"						
	F16	⅞"ϕ	60	40'-0"	II	8"	39'-4"						
PIERS	P1	1"ϕ	144	17'-0"	Str.								
	P2	¼"ϕ	135	8'-6"	VII	3¾"						1'-3"	
	G1	1"□	6	36'-6"	IV	28'-2"	4'-2"	4'-2"					
	G2	1"ϕ	4	38'-0"	IV	29'-8"	4'-2"	4'-2"					
	G3	1"□	2	38'-0"	IV	29'-8"	4'-2"	4'-2"					
	G4	1"□	6	38'-6"	IV	30'-2"	4'-2"	4'-2"					
	G5	1"ϕ	4	38'-9"	IV	30'-5"	4'-2"	4'-2"					
	G6	1"□	2	38'-9"	IV	30'-5"	4'-2"	4'-2"					
	G7	1"□	6	28'-6"	Str.								
	G8	⅞"ϕ	4	29'-9"	Str.								
	G9	1"ϕ	2	29'-9"	Str.								
	G10	1"□	6	30'-3"	Str.								
	G11	⅞"ϕ	4	30'-6"	Str.								
	G12	1"ϕ	2	30'-6"	Str.								

LOCATION OF BARS	MARK	SIZE	NO. REQ'D.	LENGTH	TYPE	A	B	C	D	E	F	R	REMARKS
PIERS (CONT'D.)	G13	⅞"ϕ	12	28'-0"	Str.								
	G14	⅞"ϕ	24	8'-0"	IX	2'-0"						1'-3⅝"	
	G15	⅝"ϕ	84	10'-11"	VIII	6"	3'-04"	1'-10¼"					



TYPE I



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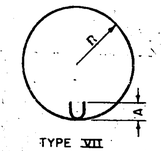

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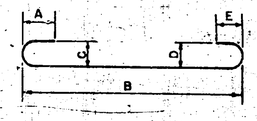

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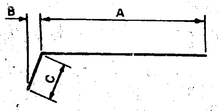

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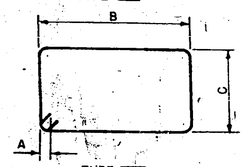

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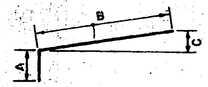

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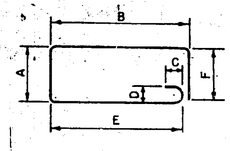

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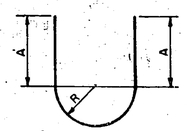
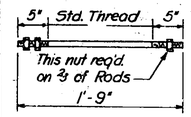


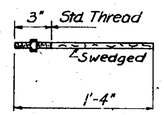
TYPE IX

ANCHOR BOLT SCHEDULE - Item 29.

MARK	SIZE	NO. REQ'D.	LENGTH	NUTS SHAPE	NUTS NO. REQ'D.	LOCATION
AB1	1"ϕ	204	1'-9"	Hex.	544	Railings
AB2	1"ϕ	80	1'-4"	Hex.	80	Bearings



MARK AB1



MARK AB2

NOTES

MOHAWK THRUWAY
UNDER CHURCH RD., CO. RD. #7R
STA. 6258 + 17
SCHENECTADY CO.

BAR SCHEDULE

DWG. NO. 481-3-10E-1613

Prepared and Recommended:
E.H. HARLOW, VICE PRES. N.Y.STATE P.E. LIC NO. 20747 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: J. Davison
Checked by: M. Yinko
Traced by: J. Lee
Tracing Chk by: J. Davison

M13

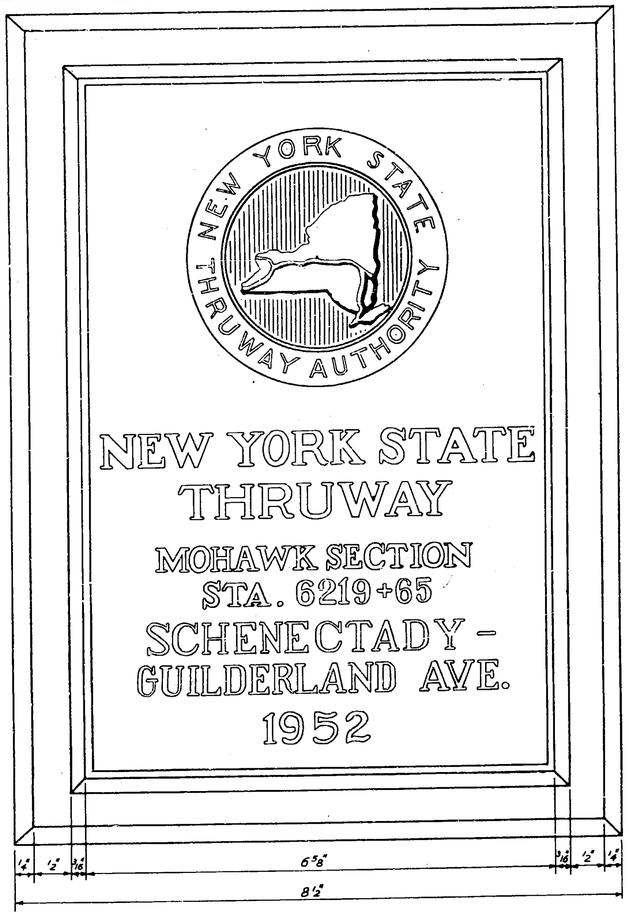
M.T. 53-3 R.C. 53-19

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			95	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				

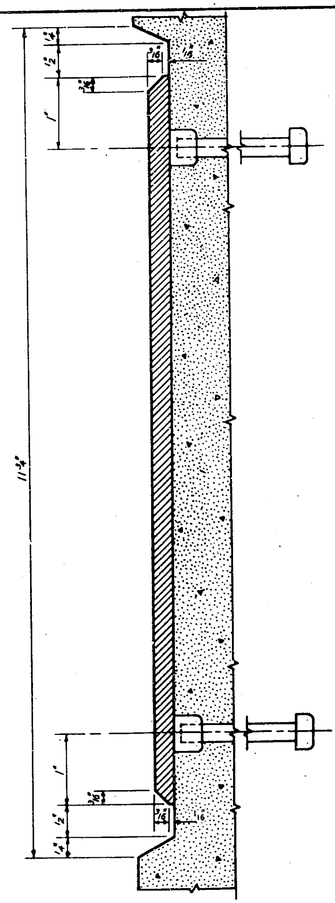
NEW YORK STATE THRUWAY AUTHORITY

NEW YORK STATE THRUWAY

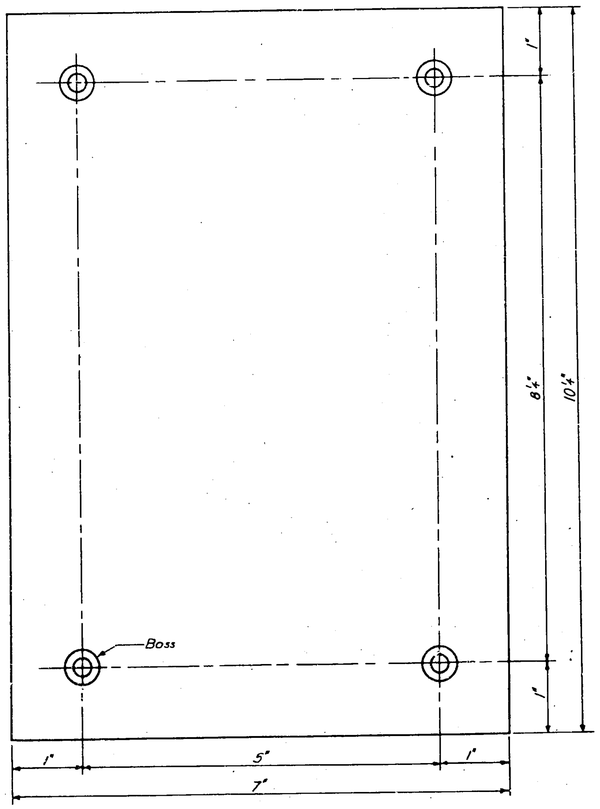
MOHAWK SECTION
STA. 6219+65
SCHENECTADY - GUILDERLAND AVE.
1952



FRONT ELEVATION

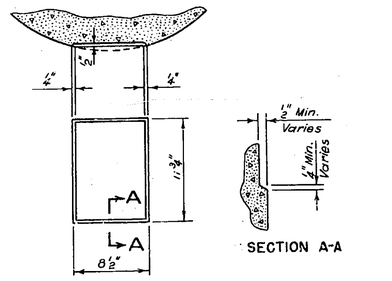


VERTICAL SECTION

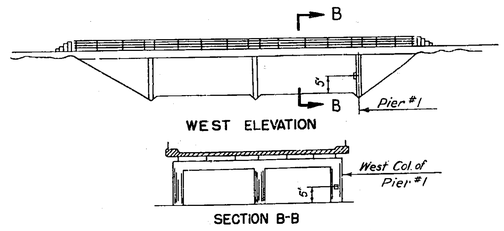


TEMPLATE

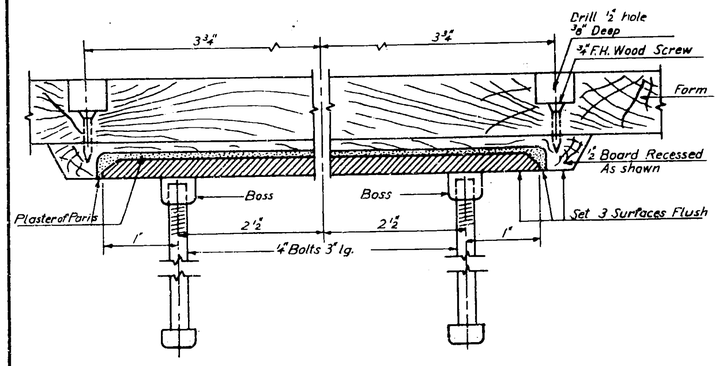
IDENTIFICATION PLATE
Scale - Full Size



DETAIL OF NAME PLATE RECESS IN CURVED SURFACE



LOCATION OF IDENTIFICATION PLATE
Scale - None



HORIZONTAL SECTION

NOTE

Cut and bevel a 1/2"x8 1/2" board to dimensions shown and gouge to form a recess about 3/16 deep and 1/8 larger than bronze plate. Fill recess in board with plaster of paris and set plate so that back of plate, surface of plaster and face of board form a smooth flush surface. Fasten to inside of form with wood screws. When concrete is being placed, very careful spading must be continued back of plate so that the surface of the panel will be free from bubble holes, packets or exposed coarse aggregate. When removing forms, do not attempt to pull away the 1/2 board, but cut away both board and plaster after form has been removed.

REFERENCE DRAWINGS

General Plan, Elevation & Notes N2

MOHAWK THRUWAY
UNDER SCHENECTADY-GUILDERLAND
S.H. 577 ON ROUTE 158
STA 6219+65
SCHENECTADY COUNTY

IDENTIFICATION PLATE

SCALE - FULL SIZE

DWG. NO. 481-3-10E-1501

Prepared and Recommended:
E.H. Harlow
E.H. HARLOW VICE PRES. N.Y. STATE P. E. LIC. NO. 20747
June 1, '53
DATE

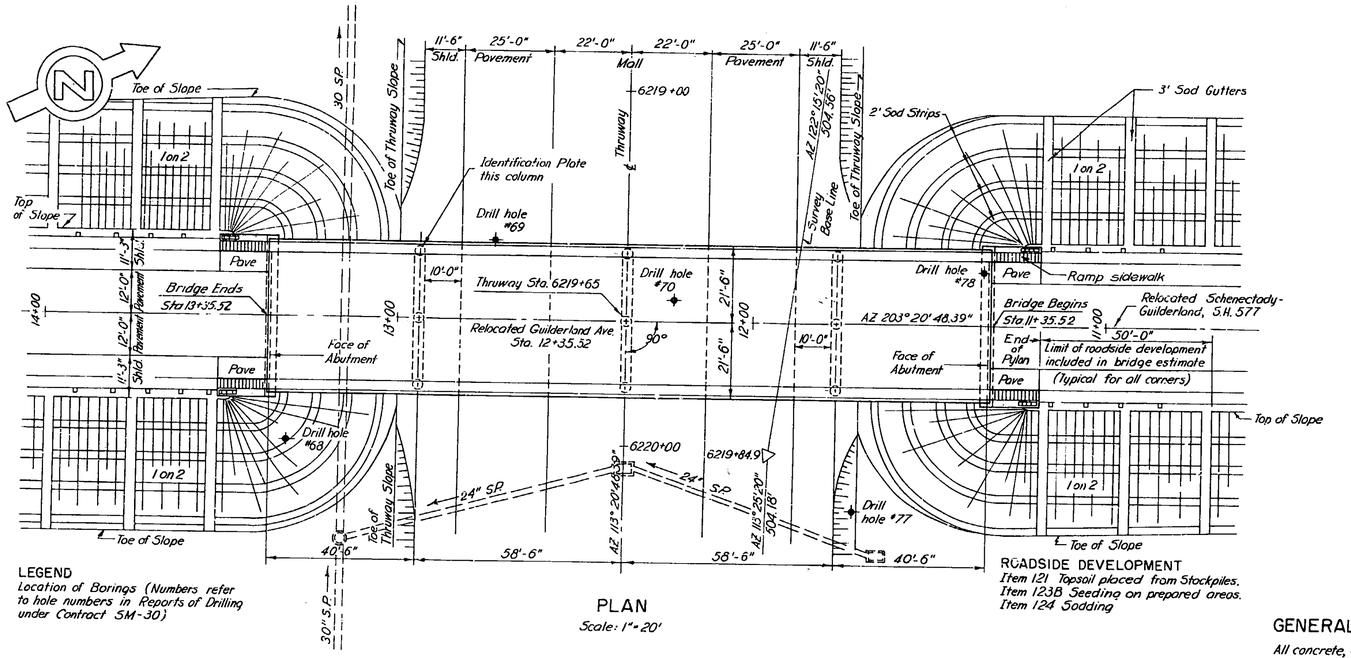
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS

In Charge of: R. Harris
Made by: P. Piasecky
Checked by: J. Talerico
Traced by: N. Olijnik
W. Lush

241

M.T. 53-3 R.C.

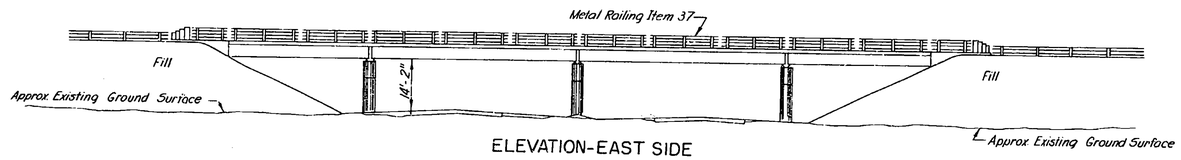
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			96	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



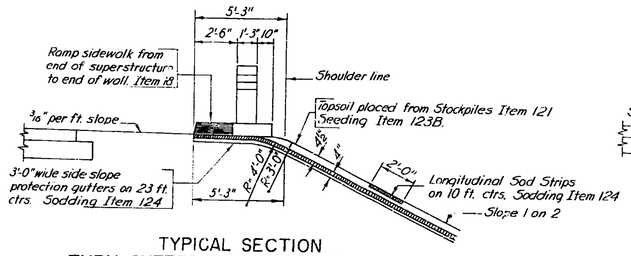
PLAN
Scale: 1"=20'

LEGEND
Location of Borings (Numbers refer to hole numbers in Reports of Drilling under Contract SM-30)

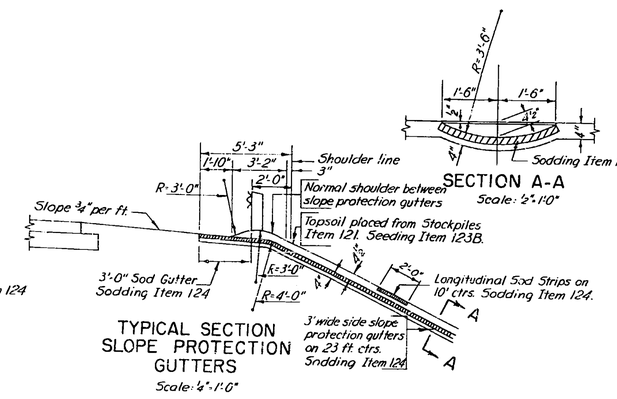
ROADSIDE DEVELOPMENT
Item 121 Topsoil placed from Stockpiles.
Item 123B Seeding on prepared areas.
Item 124 Sodding



ELEVATION-EAST SIDE
Scale: 1"=20'



TYPICAL SECTION
THRU GUTTER AT END OF WALL
Scale: 1/4"=1'-0"



SECTION A-A
Scale: 1/2"=1'-0"

TYPICAL SECTION
SLOPE PROTECTION GUTTERS
Scale: 1/2"=1'-0"

ESTIMATE OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	COMBINED NEAT	COMBINED ROUND	SUPERSTRUCTURE NEAT	SUPERSTRUCTURE ROUND	SUBSTRUCTURE NEAT	SUBSTRUCTURE ROUND
5	Trench Culvert and Bridge Excavation	CY	308	340			308	340
15-2	Portland Cement Type 2	Bbl.	1568	1625	507	525	1061	1100
15 N	Natural Cement Type N	Bbl.	225	235	73	75	152	160
18	Class IA Concrete for Structures	CY	709	735	267	275	441	460
19	Class IA Concrete for Railings	CY	3	4			3	4
*25F	Steel Fabric Reinforcement	SY	800	825	800	825		
28	Bar Reinforcement for Structures	Lbs.	159347	164140	55860	57540	103487	106600
28B	Spiral bar Shear Connectors	Lbs.	2836	2925	2836	2925		
29	Structural Steel	Lbs.	252785	260370	252785	260370		
37	Metal Railing	LF	428	445	428	445		
47B	Cement Concrete Pavement	CY	89	95	89	95		
62	Membrane Waterproofing	SY	109	115			109	115
63	Protection Course for Membrane Waterproofing	SY	109	115			109	115
79	Dry Stone Paving	SY	364	385			364	385
85C	Cast in Place Concrete Piles	LF	10890	11220			10890	11220
87	Furnishing Equipment for Driving Piles	Nec.	Nec.	Nec.			Nec.	Nec.
121	Topsoil Placed from Stockpiles	CY	191	210			191	210
123B	Seeding on Prepared Areas	Acres	0.243	0.30			0.243	0.30
124	Sodding	SY	550	605			550	605

*Steel Fabric Reinforcement shall be furnished in flat sheets.

GENERAL NOTES

All concrete, except in pavement & pylons shall be Item 18.

Concrete in pavement shall be Item 47B "Cement Concrete Pavement" (Natural Cement Type N Item 15-N and Portland Cement Type 2 Item 15-2).

Concrete in pylons shall be Item 19 "Class IA Concrete for Railings."

The cost of furnishing and installing caulking compound, premoulded bituminous joint material, sponge rubber joint material & copper flashing, shall be included in the prices bid for the various items in this contract.

After the concrete is cured, the contractor shall apply a waterproofing oil treatment, as described in the specifications for M41W, to all exposed surfaces, except on the underside of slabs. Two coats of waterproofing oil treatment shall be applied to the top of the slab; the second coat shall be applied two days prior to the placing of the pavement or sidewalk (Prices to be included in the Unit Price for Concrete Slabs.)

Material & fabrication: Specifications of New York State Department of Public Works dated Jan. 2, 1951 and current modifications & additions.

Design Specifications: AASHO 1949.

Loading: H20-S16-44.

The contractors attention is directed to the special notes for this structure which appear in the Proposal. Particular attention is directed to the special notes which briefly outline the anticipated sub-surface conditions at the site of the structures & which specify certain requirements relative to the construction.

No construction joints other than those shown on the plans shall be permitted without the written permission of the Deputy Chief Engineer (Bridges).

Where caulking compound is to be used, the sides of the joints shall be primed with a material satisfactory to the manufacturer of the caulking compound, 20 to 30 minutes before the compound is placed.

All joints must be thoroughly clean and dry before the priming coat is applied.

Work must be performed by experienced men in this type of work.

Field connections shall be made with turned bolts or approved equal.

Immediately before placing pavement concrete, the concrete surface upon which it is to be placed shall be thoroughly wetted down continuously for one hour, if the air temperature is above 50°F.

Sponge rubber shall meet the requirements of the standard specifications for Preformed Expansion Joint Fillers for Concrete, A.S.T.M. Designation D544.

Where steel exceeding one inch in thickness is to be welded electrodes of classification number E6015 or E6016 shall be used.

For design purposes, the assumed load per pile does not exceed 35 Tons.

Two ply Membrane Waterproofing shall be applied at all joints as shown on on details and shall not be exposed without protection longer than 24 hours. Membrane Waterproofing at abutments & wingwalls shall be protected against damage during backfilling.

Chamfer exposed edges 3/4" unless noted otherwise.

For Reinforcement notes see sheet N12.

All concrete pours shall be continuous between construction joints.

All anchor bolts shall be accurately set and securely held in position in the forms while concrete is being placed.

LIST OF DRAWINGS

TITLE	SHEET NO.
Identification Plate	N1
General Plan, Elevation & Notes	N2
Profiles & Sections	N3
Foundations - Plans & Sections	N4
Abutments - Plan, Sections & Details	N5
Piers - Elevation, Sections & Details	N6
Beams & Diaphragms - Plan, Section & Details	N7
Bridge Slab - Plan, Section & Details	N8
Railing & Pylon Location	N9
Standard Bridge Details	N10
Standard Bridge Details	N11
Bar Schedule	N12

MOHAWK THRUWAY
UNDER SCHENECTADY-GUILDERLAND
S.H. 577 ON ROUTE 158
STA. 6219+65
SCHENECTADY COUNTY

GENERAL PLAN
ELEVATION & NOTES
SCALE AS SHOWN

Prepared and Recommended:
E.H. Harris
E.H. HARRIS, VICE PRES. N.Y. STATE P. E. LIC. NO. 20747 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

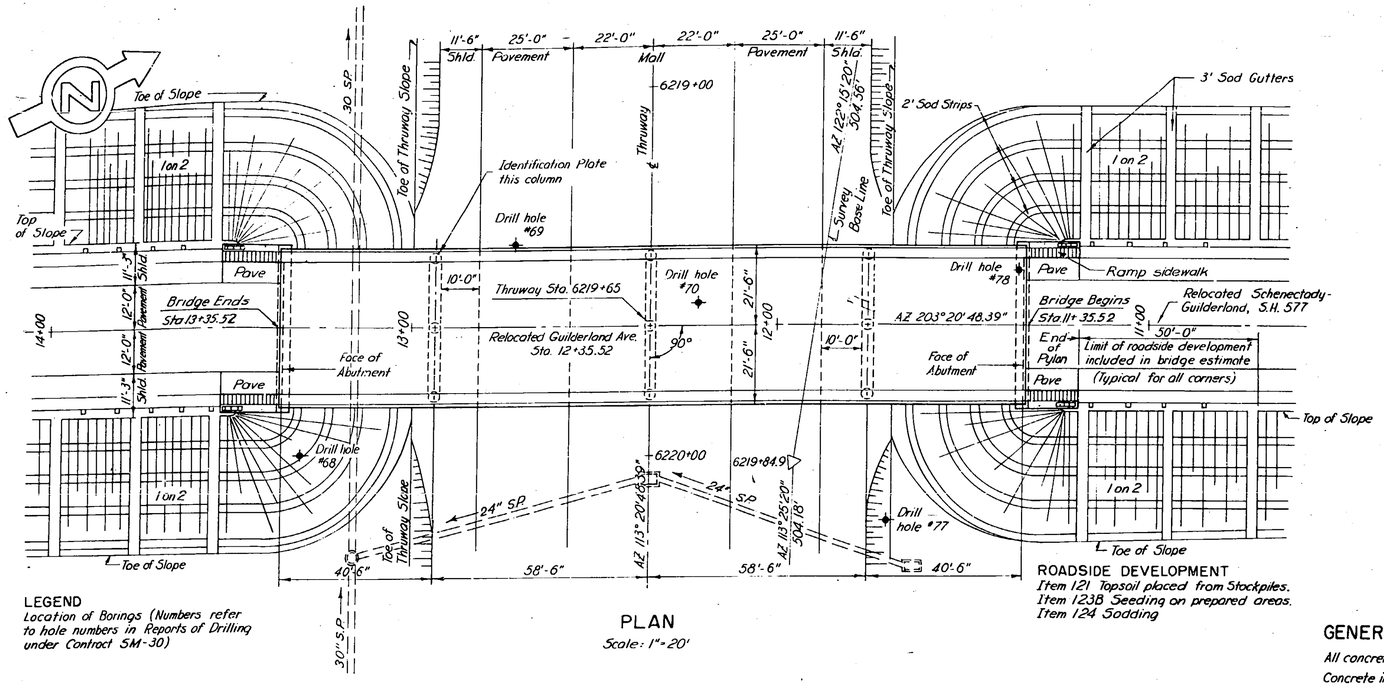
In Charge of: R. Harris
Made by: W. Olijnik
Checked by: W. Lush
Traced by: J.D. Lee
Tracing Chk by: J.J. Schortemeyer

DWG. NO. 481-3-10E-1502

N2

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			96	157

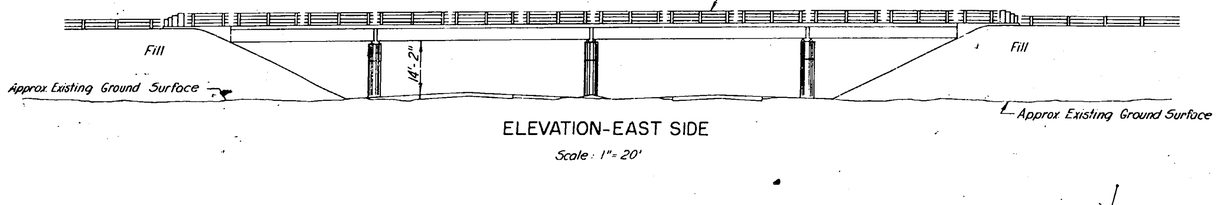
N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1



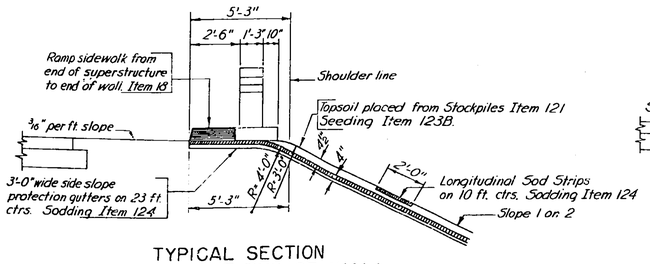
PLAN
Scale: 1"=20'

LEGEND
Location of Borings (Numbers refer to hole numbers in Reports of Drilling under Contract SM-30)

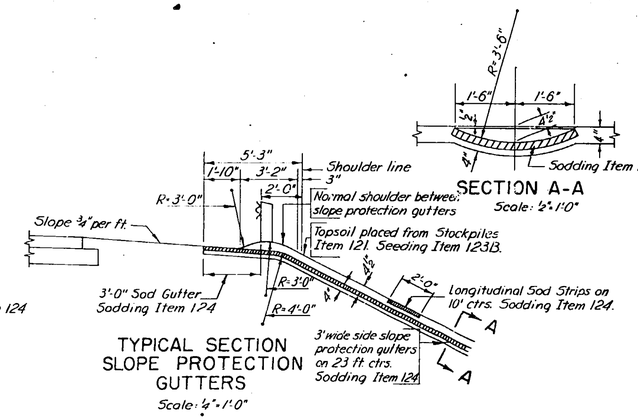
ROADSIDE DEVELOPMENT
Item 121 Topsoil placed from Stockpiles.
Item 123B Seeding on prepared areas.
Item 124 Sodding



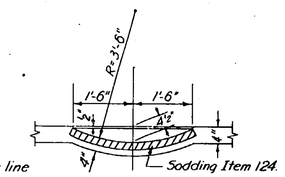
ELEVATION-EAST SIDE
Scale: 1"=20'



TYPICAL SECTION
THRU GUTTER AT END OF WALL
Scale: ¼"=1'-0"



TYPICAL SECTION
SLOPE PROTECTION
GUTTERS
Scale: ¼"=1'-0"



SECTION A-A
Scale: ½"=1'-0"

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62	Membrane Waterproofing	SY	109	115			109	115
63	Protection Course for Membrane Waterproofing	SY	109	115			109	115
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For Reinforcement notes see sheet N12.

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LIST OF DRAWINGS

TITLE	SHEET NO.
Identification Plate	N1
General Plan, Elevation & Notes	N2
Profiles & Sections	N3
Foundations - Plans & Sections	N4
Abutments - Plan, Sections & Details	N5
Piers - Elevation, Sections & Details	N6
Beams & Diaphragms - Plan, Section & Details	N7
Bridge Slab - Plan, Section & Details	N8
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Bar Schedule	N12

MOHAWK THRUWAY
UNDER SCHENECTADY-GUILDERLAND
S.H. 577 ON ROUTE 158
STA. 6219+65
SCHENECTADY COUNTY

GENERAL PLAN
ELEVATION & NOTES
SCALE AS SHOWN

DWG. NO. 481-3-10E-1502

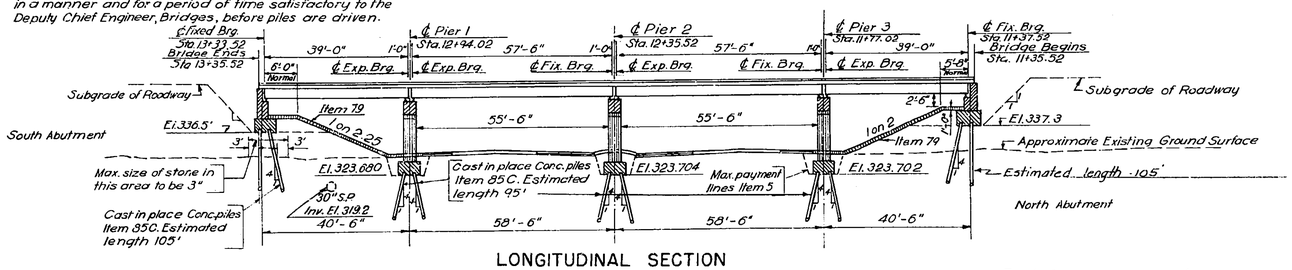
Prepared and Recommended:
E.H. HARLOW, VICE PRES. N.Y. STATE P.E. LIC. NO. 20747 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: W. Olynik
Checked by: W. Lush
Traced by: J.D. Lee
Tracing Chk by: J.J. Schertemeyer

M.T. 53-3 R.C. 53-19

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			97	157
N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				

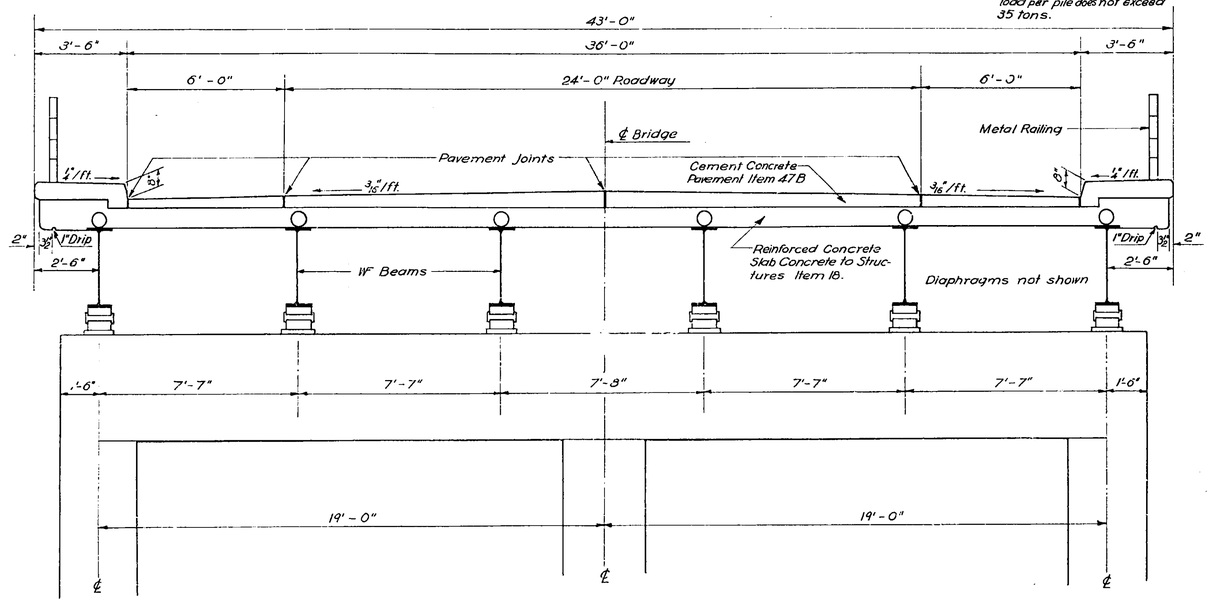
Fill to these upper limits shall be placed and consolidated in a manner and for a period of time satisfactory to the Deputy Chief Engineer, Bridges, before piles are driven.



LONGITUDINAL SECTION

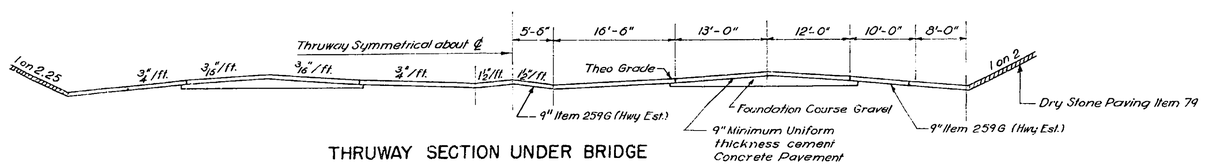
Scale : 1" = 20"

For design purposes assumed load per pile does not exceed 35 tons.



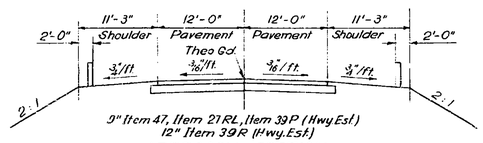
TYPICAL SECTION THROUGH SUPERSTRUCTURE

Scale : 3/8" = 1'-0"



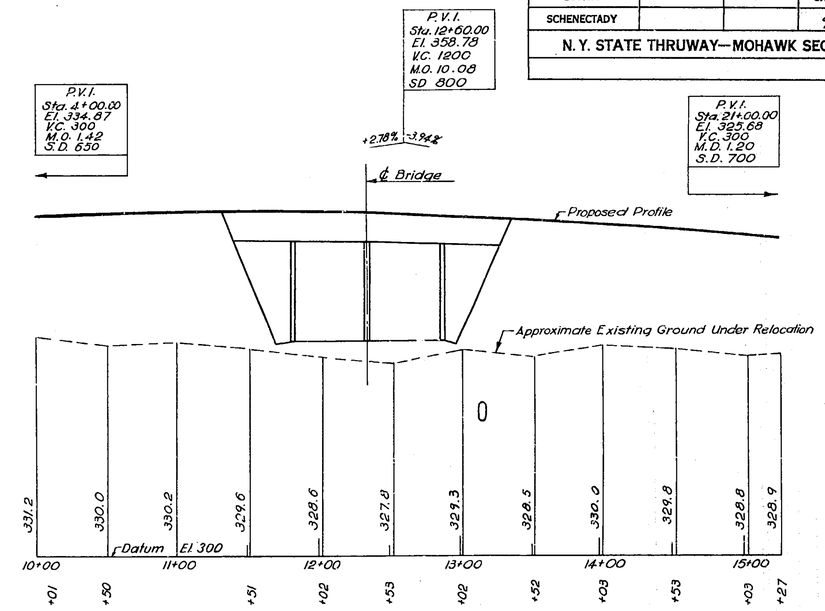
THRUWAY SECTION UNDER BRIDGE

Scale : 1" = 10'



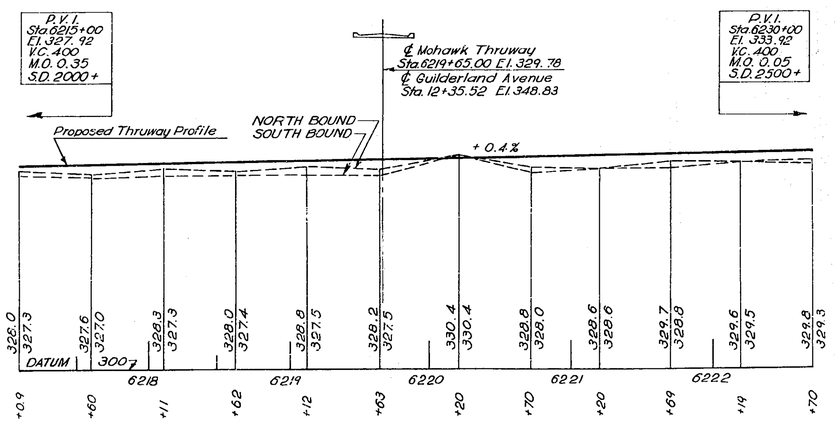
APPROACH SECTION
SCHENECTADY-GUILDERLAND S.H. 577

Scale 1" = 10'-0"



RELOCATED SCHENECTADY-GUILDERLAND S.H.577 PROFILE

Scale: Horiz. 1" = 50'
Vertic. 1" = 10'



THRUWAY PROFILE

Scale: Horiz. 1" = 50'
Vertic. 1" = 10'

MOHAWK THRUWAY
UNDER SCHENECTADY-GUILDERLAND
S.H. 577 ON ROUTE 158
STA. 6219+65
SCHENECTADY COUNTY

PROFILES & SECTIONS

SCALE AS SHOWN

Prepared and Recommended:
E. H. HARLOW VICE PRES. N.Y. STATE P.E. LIC. NO. 20747
DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

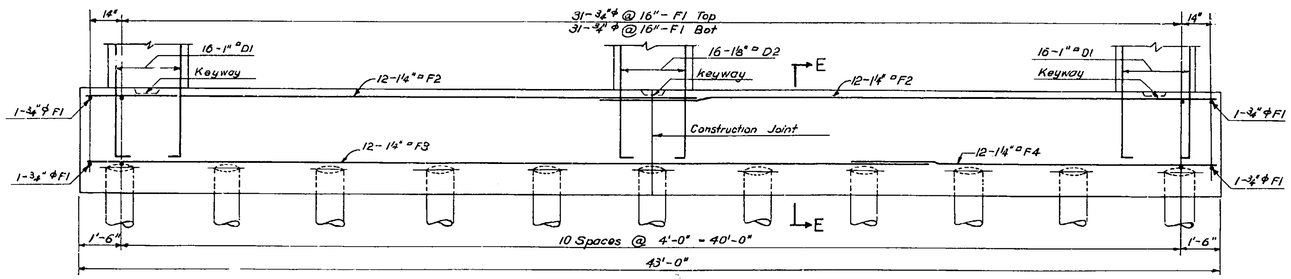
In Charge of: R. Harris
Made by: W. Olijnyk
Checked by: W. Lush
Traced by: P. Piaseckyj
Tracing Chk by: J.J. Schortemeyer

DWG. NO. 481-3-10E-1503

N3

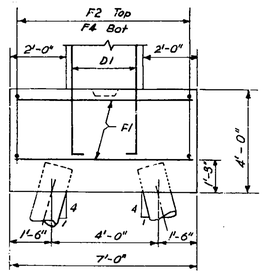
M.T. 58-3 R.C. 58-19

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			98	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



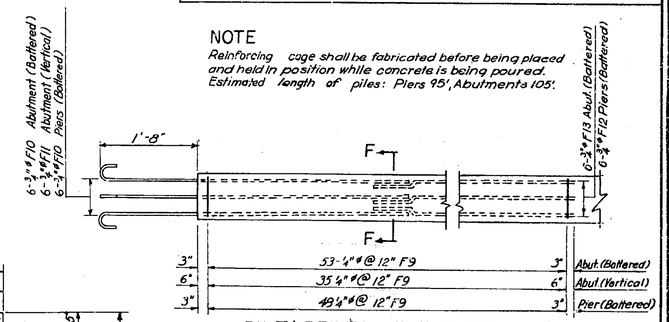
ELEVATION OF PIER FOOTING

Scale ⅜" = 1'-0"



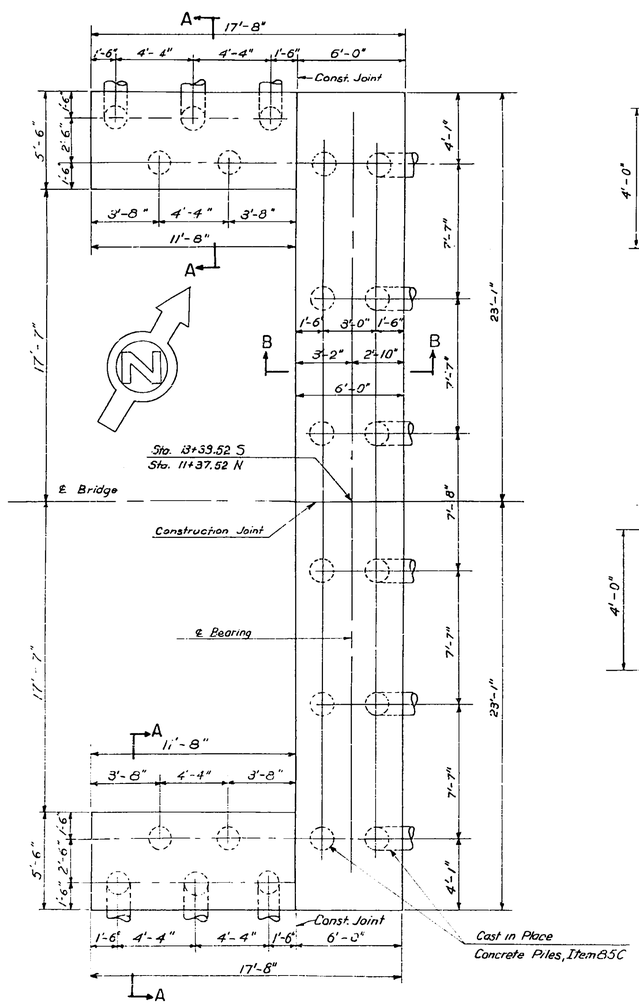
END ELEVATION

Scale ⅜" = 1'-0"



PILE REINFORCEMENT DETAIL

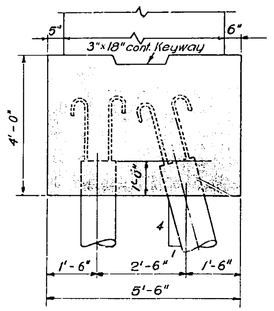
Scale - None



SOUTH ABUTMENT PILE PLAN

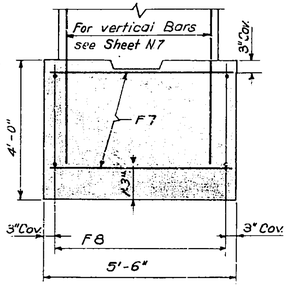
NORTH ABUTMENT PILE PLAN SIMILAR

Scale 1/4" = 1'-0"



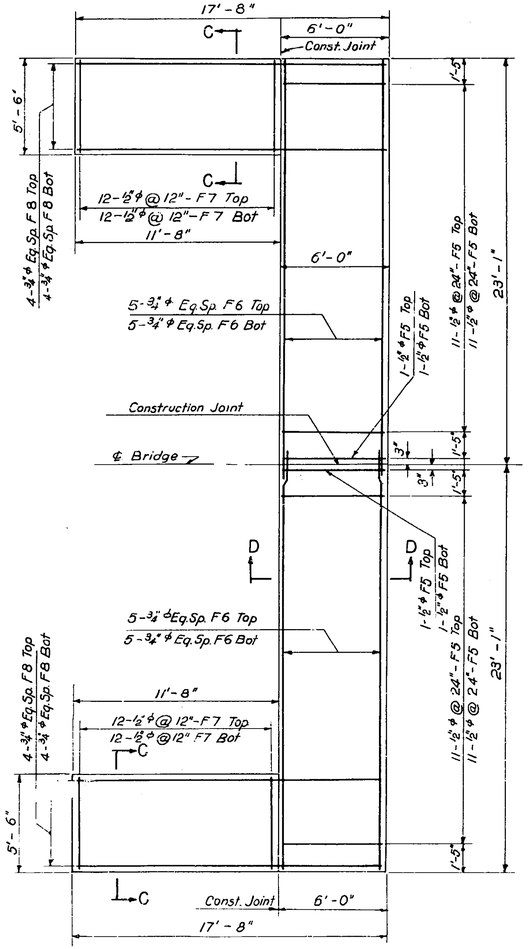
SECTION A-A

Scale 1½" = 1'-0"



SECTION C-C

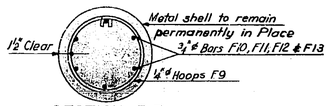
Scale 1½" = 1'-0"



SOUTH ABUTMENT FOOTING REINFORCEMENT PLAN

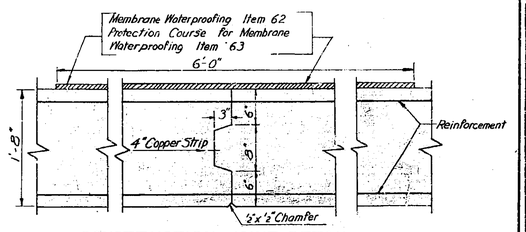
NORTH ABUTMENT FOOTING REINFORCEMENT PLAN SIMILAR

Scale 1/4" = 1'-0"



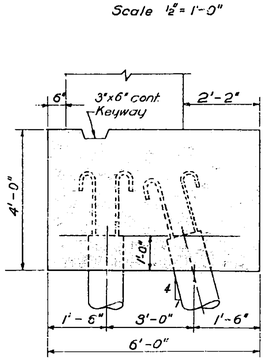
SECTION F-F

Scale - None



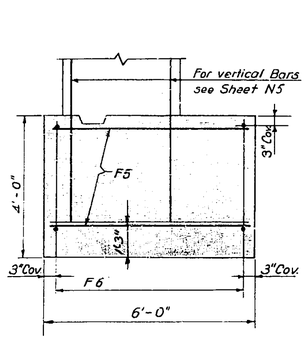
CONSTRUCTION JOINT DETAIL

Scale 1" = 1'-0"



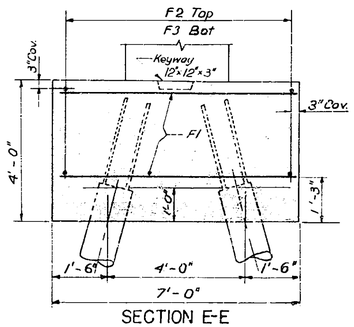
SECTION B-B

Scale 1½" = 1'-0"



SECTION D-D

Scale 1½" = 1'-0"



SECTION E-E

Scale 1½" = 1'-0"

NOTES

All piles shall be cast in place Concrete Piles Item 85C
Placing dimensions are given center to center of bars unless noted.
Minimum lap length for splices shall be 40 bar diameters.
Concrete cover for Reinforcement shall be 3" minimum.
All concrete in footing Item 18
All reinforcement Item 28

REFERENCE DRAWINGS

General Plan, Elevation & Notes	N2
Profiles & Sections	N3
Abutment - Plans, Sections & Details	N5
Piers - Elevations, Sections & Details	N6
Bar Schedule	N12

MOHAWK THRUWAY
UNDER SCHENECTADY-GUILDERLAND
S.H.577 ON ROUTE 158
STA 6219+65
SCHENECTADY COUNTY

FOUNDATIONS

PLANS & SECTIONS
SCALE: AS SHOWN

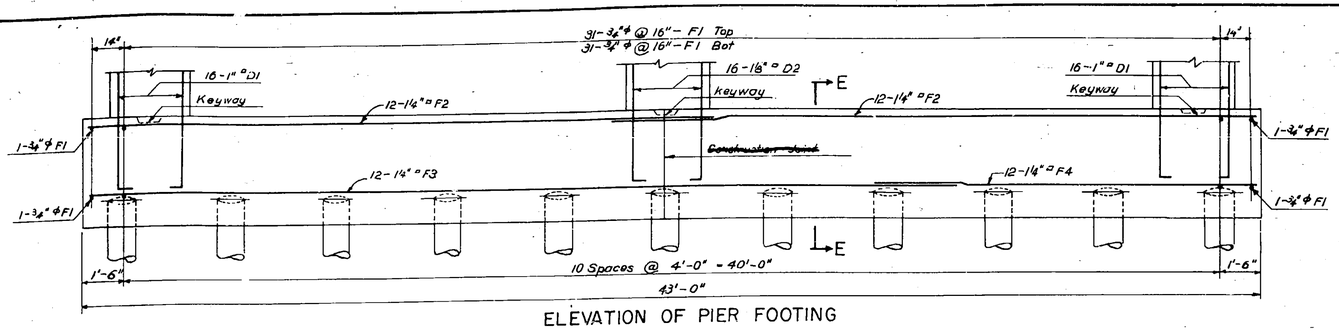
Prepared and Recommended:
E.H. Harlow
E.H. HARLOW VICE PRES. N.Y. STATE P.E. LIC. NO. 20747 DATE June 8 '58
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: J. Rubel
Checked by: W. Lush
Traced by: N. Chanxula
Tracing Chk by: J. Rubel

DWG. NO. 481-3-10E-1504

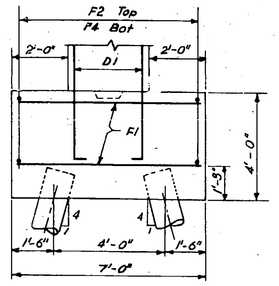
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			98	157

N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1



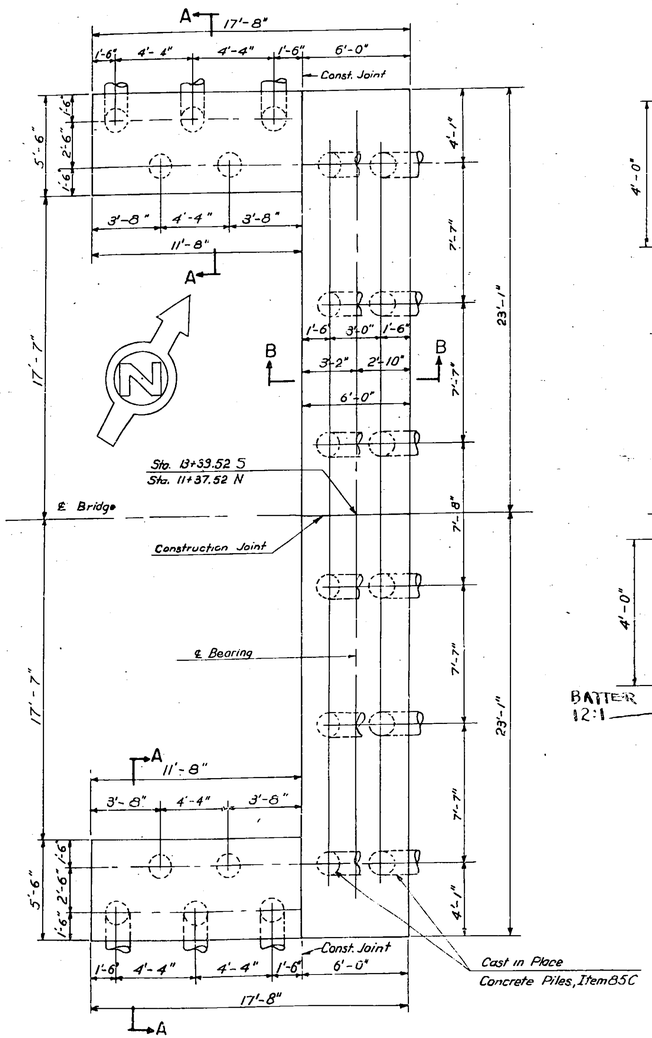
ELEVATION OF PIER FOOTING

Scale ⅜" = 1'-0"



END ELEVATION

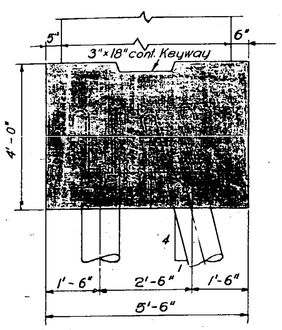
Scale ⅜" = 1'-0"



SOUTH ABUTMENT PILE PLAN

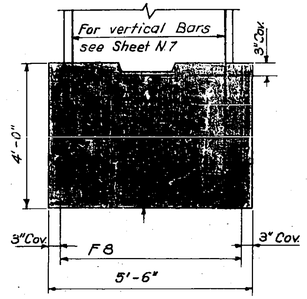
NORTH ABUTMENT PILE PLAN SIMILAR

Scale ¼" = 1'-0"



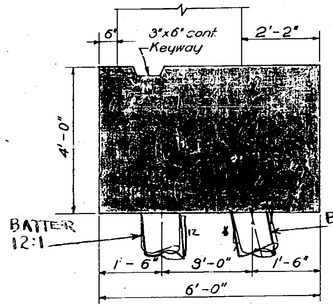
SECTION A-A

Scale ½" = 1'-0"



SECTION C-C

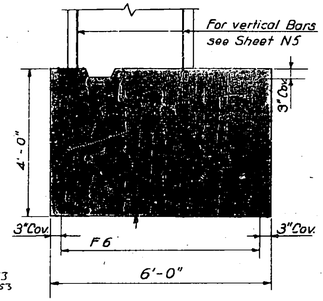
Scale ½" = 1'-0"



SECTION B-B

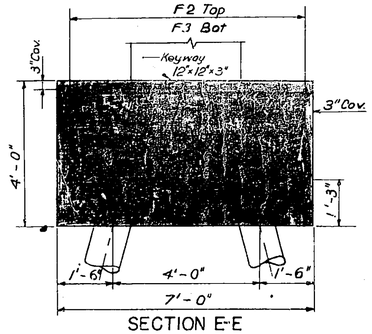
Scale ½" = 1'-0"

LETTER 10-6-53, 10-8-53



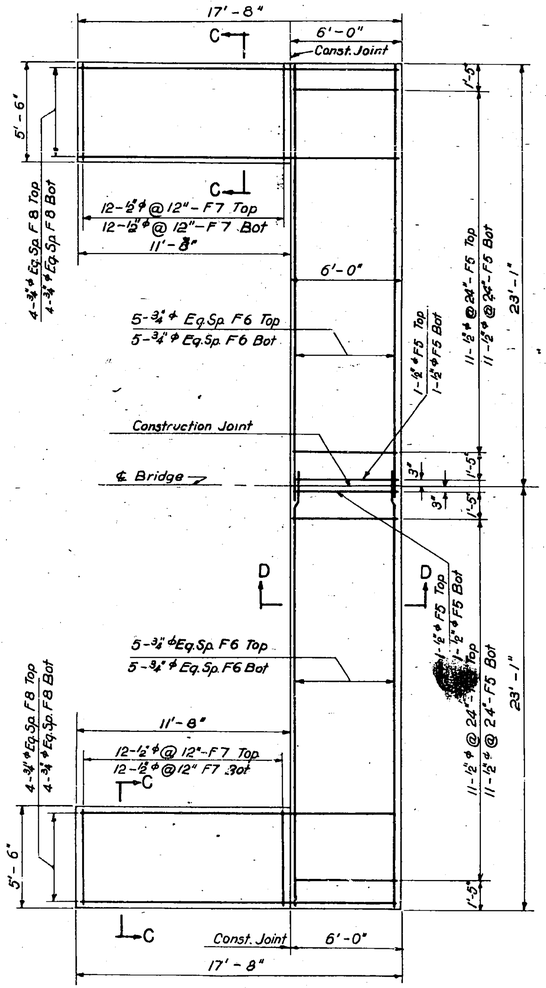
SECTION D-D

Scale ½" = 1'-0"



SECTION E-E

Scale ½" = 1'-0"



SOUTH ABUTMENT FOOTING REINFORCEMENT PLAN

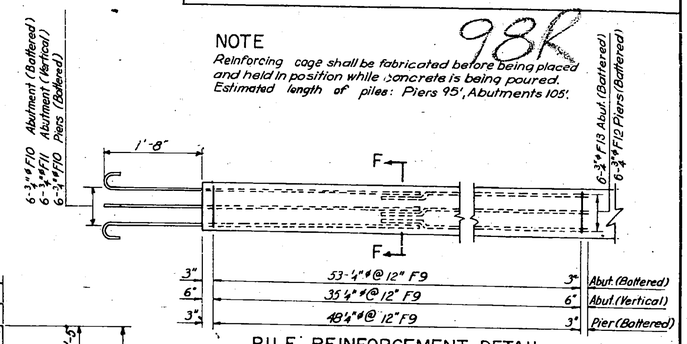
NORTH ABUTMENT FOOTING REINFORCEMENT PLAN SIMILAR

Scale ¼" = 1'-0"

NOTE

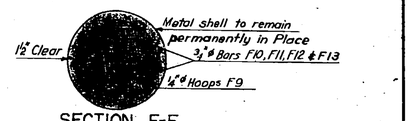
98K

Reinforcing cage shall be fabricated before being placed and held in position while concrete is being poured.
Estimated length of piles: Piers 95', Abutments 105'.



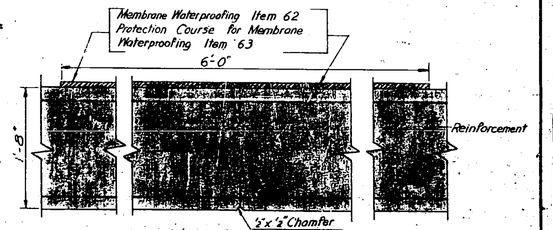
PILE REINFORCEMENT DETAIL

Scale – None



SECTION F-F

Scale – None



CONSTRUCTION JOINT DETAIL

Scale 1" = 1'-0"

NOTES

All piles shall be cast in place Concrete Piles Item 85C
Placing dimensions are given center to center of bars unless noted.
Minimum lap length for splices shall be 40 bar diameters.
Concrete cover for Reinforcement shall be 3" minimum.
All concrete in footing Item 18
All reinforcement Item 28

REFERENCE DRAWINGS

General Plan, Elevation & Notes	N2
Profiles & Sections	N3
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Piers – Elevations, Sections & Details	N6
Bar Schedule	N12

MOHAWK THRUWAY
UNDER SCHENECTADY-GUILDERLAND
S.H. 577 ON ROUTE 158
STA 6219+65
SCHENECTADY COUNTY

FOUNDATIONS
PLANS & SECTIONS
SCALE: AS SHOWN

Prepared and Recommended:
E.H. HARLOW VICE PRES. N. Y. STATE P. E. LIC. NO. 20747 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N. Y.

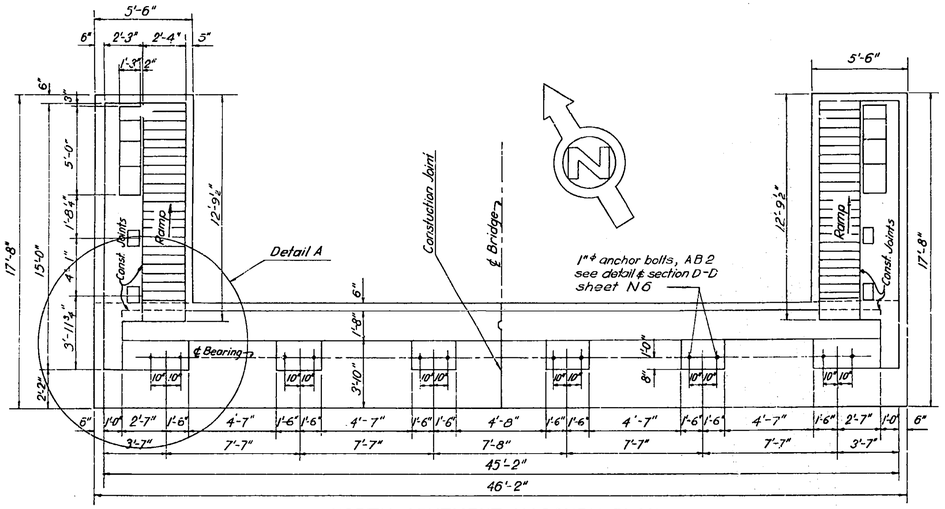
In Charge of: R. Harris
Made by: J. Rubel
Checked by: W. Lush
Traced by: W. Chanvila
Tracing Chk by: J. Rubel

DWG. NO. 481-3-10E-1504

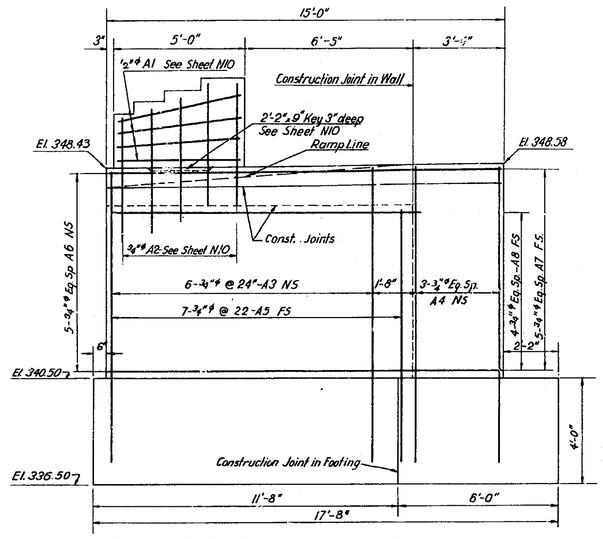
N 4

M.T. 53-3 R.C. 33-19

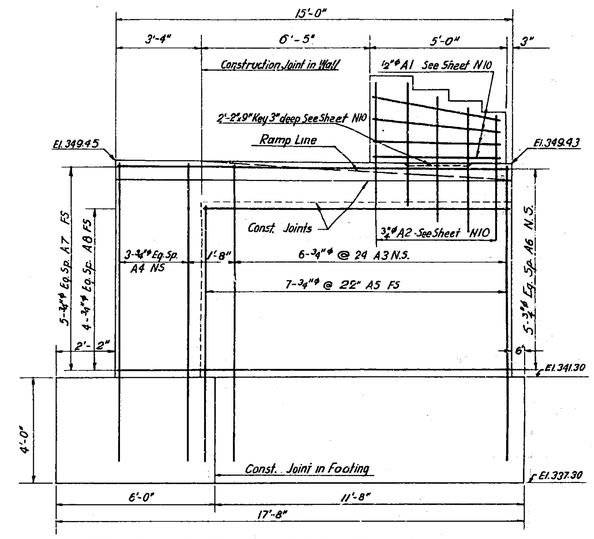
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			99	157
N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



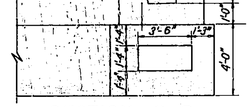
NORTH ABUTMENT MASONRY PLAN
SOUTH ABUTMENT MASONRY PLAN SIMILAR
Scale = 4" = 1'-0"



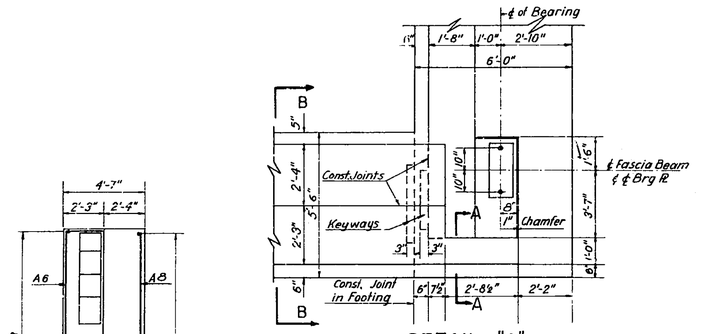
FRONT ELEVATION SOUTHEAST WINGWALL
FRONT ELEVATION SOUTHWEST WINGWALL SIMILAR
Scale: ⅜" = 1'-0"



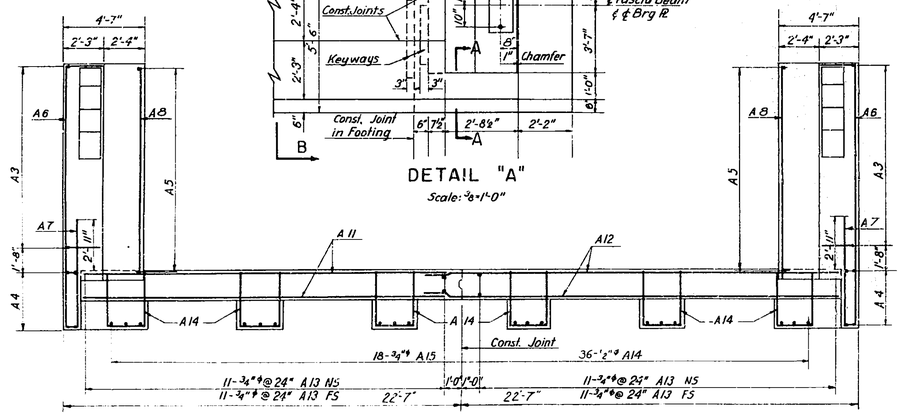
FRONT ELEVATION NORTHEAST WINGWALL
FRONT ELEVATION NORTHWEST WINGWALL SIMILAR
Scale ⅜" = 1'-0"



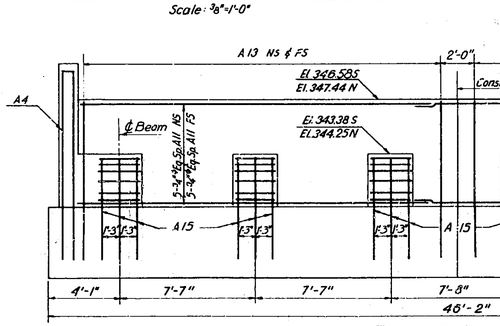
SECTION B-B
Scale: ½" = 1'-0"



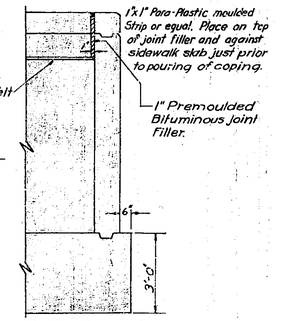
DETAIL "A"
Scale: ⅜" = 1'-0"



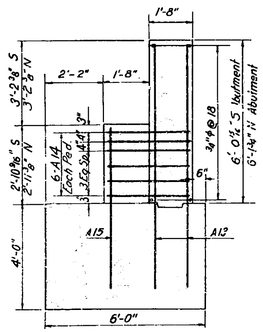
SOUTH ABUTMENT REINFORCEMENT PLAN
NORTH ABUTMENT REINFORCEMENT PLAN SIMILAR
Scale: ¼" = 1'-0"



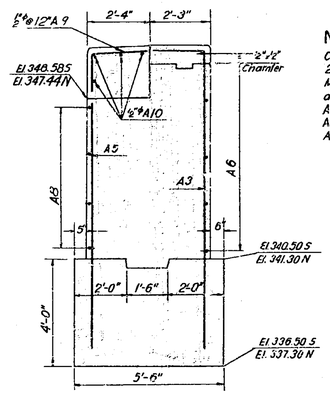
NORTH ABUTMENT ELEVATION
SOUTH ABUTMENT ELEVATION SIMILAR
Scale: ¼" = 1'-0"



SECTION A-A
Scale ½" = 1'-0"



TYPICAL ABUTMENT SECTION
Scale ⅜" = 1'-0"



TYPICAL WINGWALL SECTION
Scale: ⅜" = 1'-0"

NOTES

Concrete cover for Reinforcement shall be 2" unless otherwise noted.
Minimum lap for Splices shall be 40 bar diameters.
All Concrete shall be Item 18
All Reinforcement shall be Item 28.
Anchor bolts shall be Item 29.

REFERENCE DRAWINGS

General Plan, Elevation & Notes ..... N 2
Profiles & Sections ..... N 3
Foundations - Plans & Sections ..... N 4
Standard Bridge Details N10
Standard Bridge Details N11
Bar Schedule N12

MOHAWK THRUWAY
UNDER SCHENECTADY-GUILDERLAND
S.H. 577 ON ROUTE 158
STA 6219+65
SCHENECTADY COUNTY

ABUTMENTS
PLAN, SECTIONS & DETAILS

SCALE AS SHOWN

Prepared and Recommended:
E.H. HARLOW VICE PRES. N.Y. STATE P.E. LIC. NO 20747 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

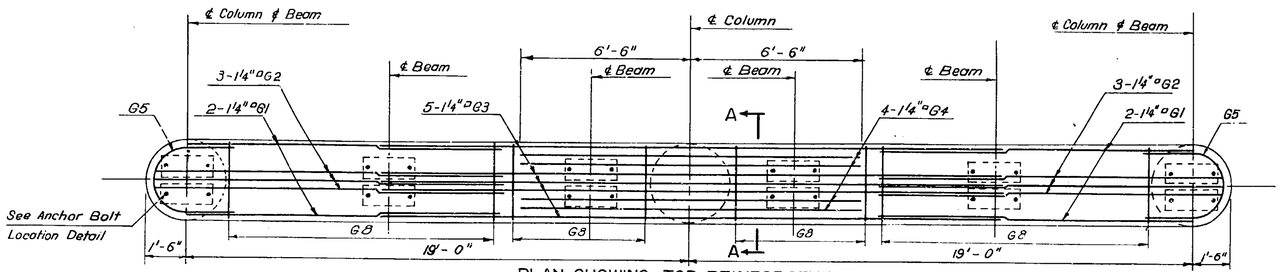
In Charge of: R. Harris
Made by: J. Rubel
Checked by: W. Lush
Traced by: G.M. Karalchansky
Tracing Chk by: J.J. Schortemeyer

DWG. NO. 481-3-10E-1505

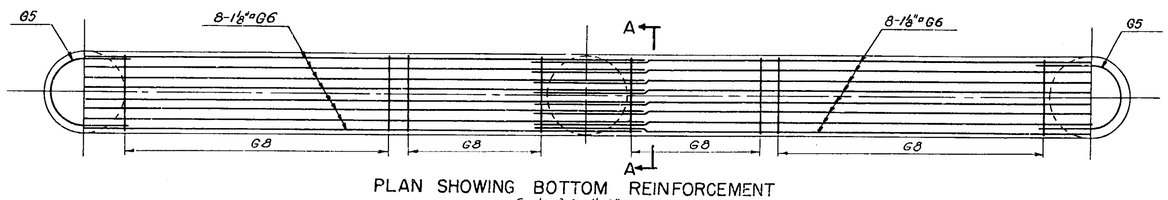
N5

M.T. 53-3 R.C. 53-19

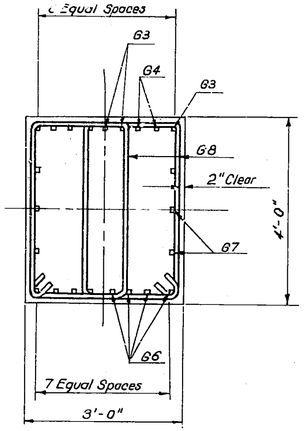
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			100	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



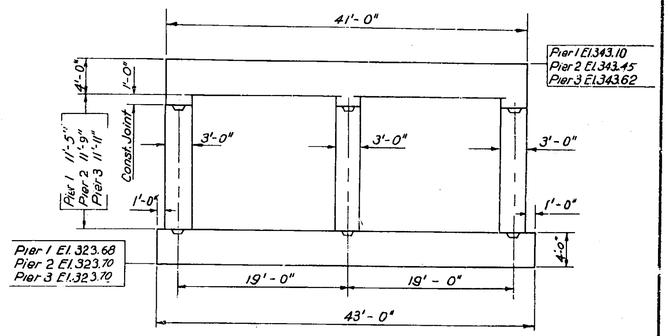
PLAN SHOWING TOP REINFORCEMENT
Scale 3/8" = 1'-0"



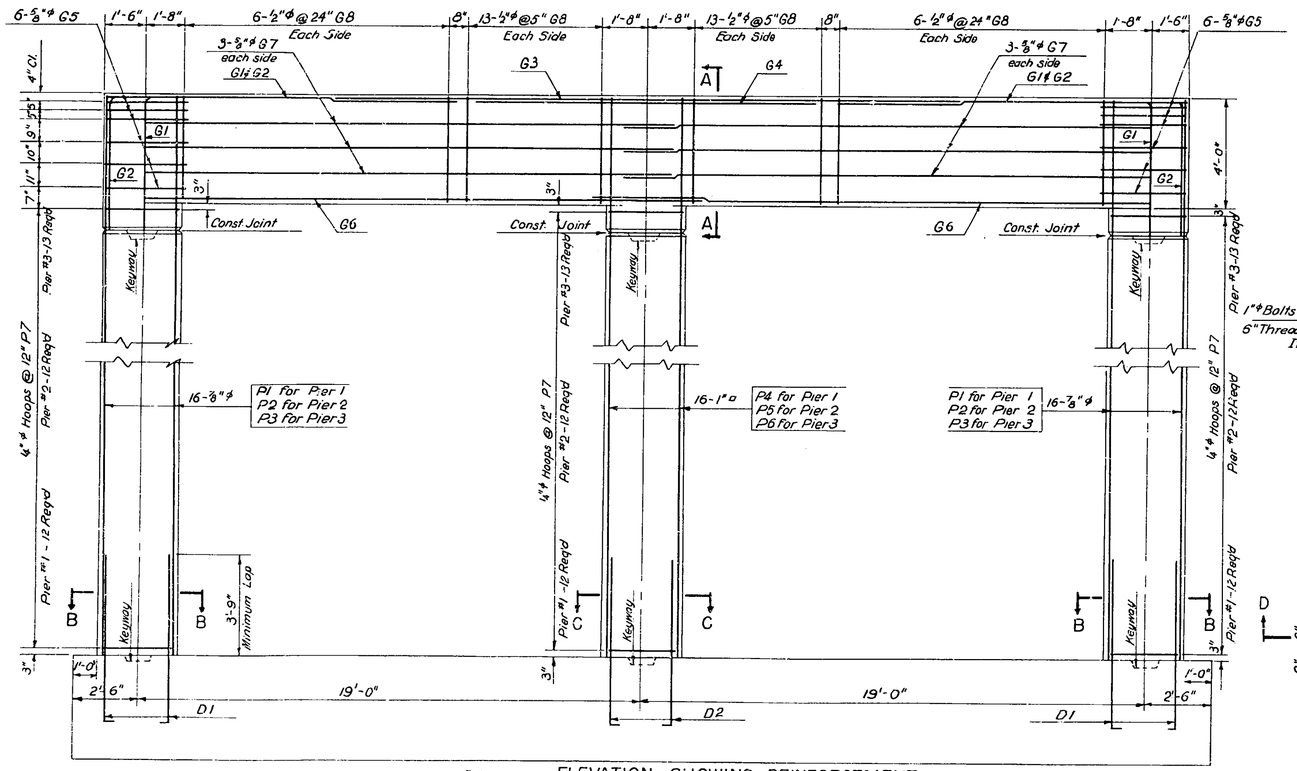
PLAN SHOWING BOTTOM REINFORCEMENT
Scale 3/8" = 1'-0"



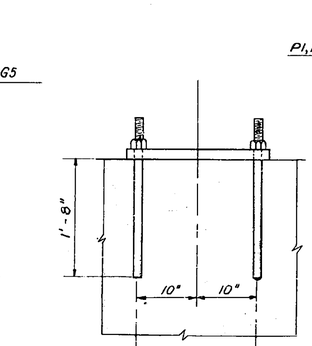
SECTION A-A
Scale 3/4" = 1'-0"



ELEVATION
Scale 1/8" = 1'-0"

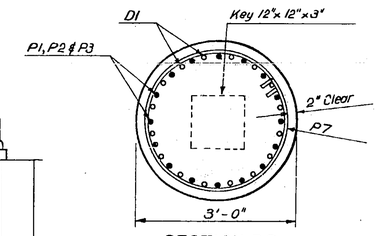


ELEVATION SHOWING REINFORCEMENT
Scale 3/8"=1'-0"

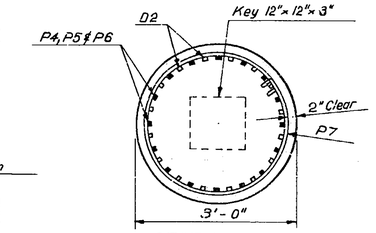


SECTION D-D
Scale 1"=1'-0"

ANCHOR BOLT LOCATION DETAIL
Scale 1"=1'-0"



SECTION B-B
Scale 3/4" = 1'-0"



SECTION C-C
Scale 3/4" = 1'-0"

NOTES

Placing Dimensions are given center to center of bars unless noted otherwise.
Where reinforcement interferes with anchor bolt sleeves, etc, shift or bend bars.
Concrete cover for reinforcement shall be 2" unless noted otherwise.
All concrete shall be Item 18.
Bar reinforcement shall be Item 28.
Anchor Bolts shall be Item 29.
Minimum Lap Length for splices shall be 40 bar diameters.

REFERENCE DRAWINGS

General Plan, Elevation ∤ Notes N2
Profiles ∤ Sections N3
Foundation Plans ∤ Sections N4
Standard Bridge Details N11
Bar Schedule N12

MOHAWK THRUWAY
UNDER SCHENECTADY-GUILDERLAND
S.H. 577 ON ROUTE 158
STA. 5219+65
SCHENECTADY COUNTY

PIERS
ELEVATION SECTIONS & DETAILS

SCALE AS SHOWN

Prepared and Recommended:
E.M. HARLOW VICE PRES. N.Y. STATE P.E. LIC. NO. 20747
Jan 8 '53 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
M-3s by: S. Levy
Checked by: W. Lush
Traced by: W. Chamula
Tracing Chk by: W. Lush

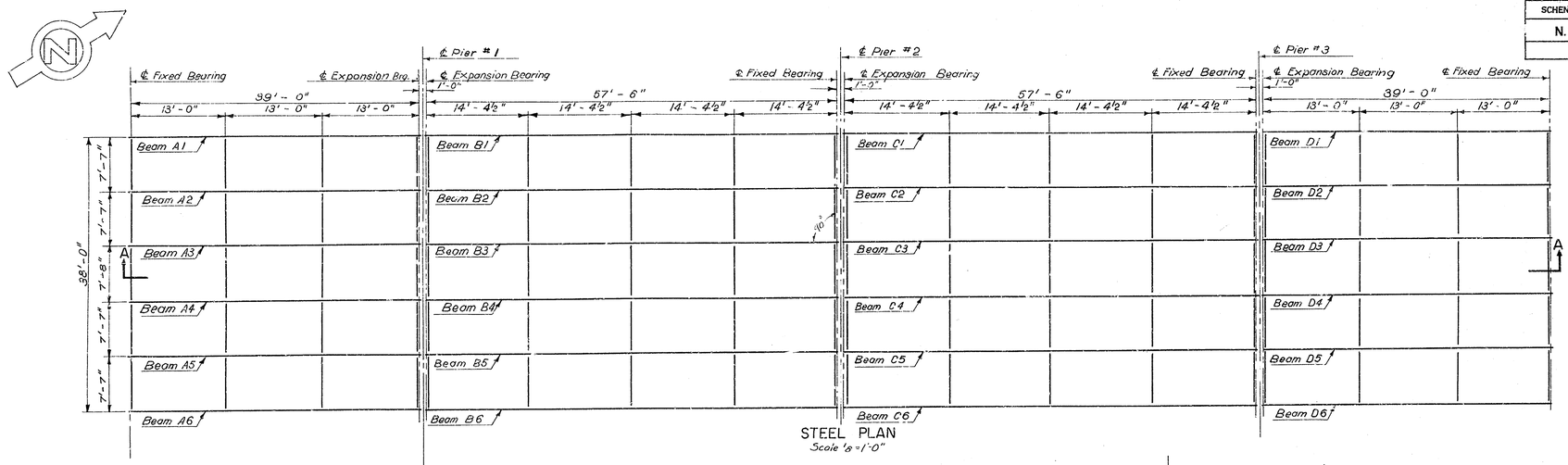
DWG. NO. 481-3-10E-1506

N6

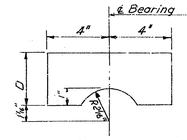
M.T. 53-3 R.O. 53-19

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			101	157

N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1



STEEL PLAN
Scale ⅛"=1'-0"

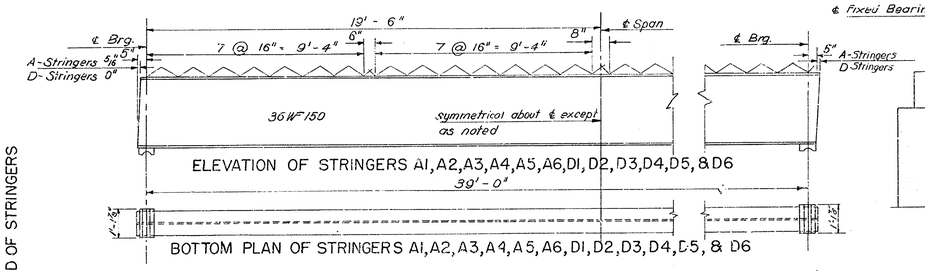


BEARING SHOE
Scale 3"=1'-0"

D DIMENSIONS

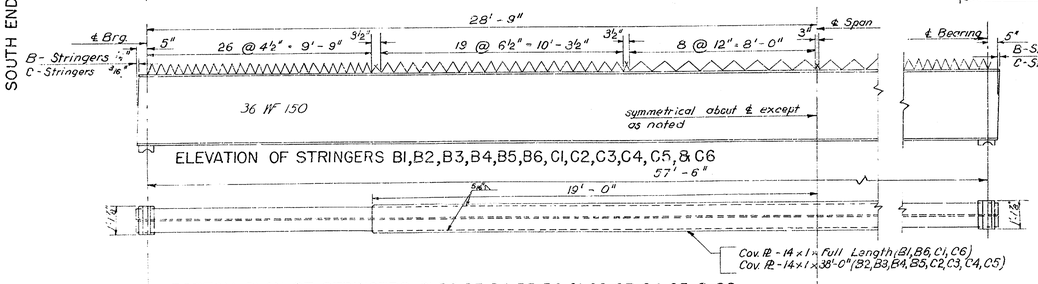
STRINGERS	D SOUTH END	MARK	D NORTH END	MARK
A1	3"	SP1	4"	SP4
A2	4 5/16"	SP2	5 3/16"	SP5
A3	5 7/16"	SP3	6 9/16"	SP6
A4	5 13/16"	SP3	6 13/16"	SP6
A5	4 5/16"	SP2	5 3/16"	SP5
A6	3"	SP1	4"	SP4
B1	4 1/16"	SP7	4"	SP4
B2	5 3/16"	SP8	5 5/16"	SP5
B3	6 15/16"	SP9	6 13/16"	SP6
B4	6 15/16"	SP9	6 13/16"	SP6
B5	5 3/16"	SP8	5 3/16"	SP5
B6	4 1/16"	SP7	4"	SP4
C1	4 1/16"	SP7	4"	SP4
C2	5 3/16"	SP8	5 5/16"	SP5
C3	6 7/16"	SP10	6 5/16"	SP6
C4	6 7/16"	SP10	6 9/16"	SP6
C5	5 3/16"	SP8	5 5/16"	SP5
C6	4 1/16"	SP7	4"	SP4
D1	4"	SP4	3"	SP1
D2	5 5/16"	SP5	4 5/16"	SP2
D3	6 7/16"	SP10	5 13/16"	SP3
D4	6 7/16"	SP10	5 13/16"	SP3
D5	5 5/16"	SP5	4 5/16"	SP2
D6	4"	SP4	3"	SP1

SOUTH END OF STRINGERS

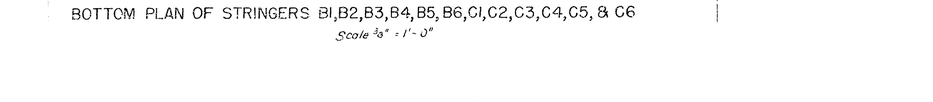


ELEVATION OF STRINGERS A1,A2,A3,A4,A5,A6,D1,D2,D3,D4,D5, & D6

BOTTOM PLAN OF STRINGERS A1,A2,A3,A4,A5,A6,D1,D2,D3,D4,D5, & D6

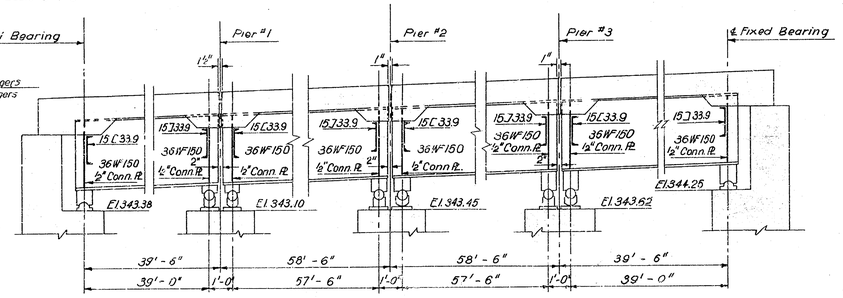


ELEVATION OF STRINGERS B1,B2,B3,B4,B5,B6,C1,C2,C3,C4,C5,& C6



BOTTOM PLAN OF STRINGERS B1,B2,B3,B4,B5,B6,C1,C2,C3,C4,C5,& C6

Scale ⅜"=1'-0"



SECTION A-A
Scale ⅜"-1'-0"

NOTES

Size of all diaphragms shall be 15C33.9
All Structural Steel Item 29.
Spiral Shear connectors Item 28.B.
For Spiral detail see sheet N11
For bearing details see sheet N11
For diaphragm details see sheet N11
Camber A Beams 1"
Camber B Beams 2¼"
Camber C Beams 2¼"
Camber D Beams 1"
} includes dec. load camber and camber due to vertical curve.

REFERENCE DRAWINGS

General Plan - Elevations & Notes N2
Profiles & Sections N3
Abutments - Plan, Sections & Details N5
Pier - Elevations, Sections & Details N6
Bridge Slab - Plan, Sections & Details N8
Standard Bridge Details N11

MOHAWK THRUWAY
UNDER SCHENECTADY-GUILDERLAND
S.H. 577 ON ROUTE 158
STA. 628+85
SCHENECTADY COUNTY

BEAMS & DIAPHRAGMS
PLAN, SECTIONS & DETAILS
SCALE AS SHOWN

Prepared and Recommended:
E. H. HARRIS, VICE PRES. N.Y. STATE P. E. LIC. NO. 20747 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK S. N.Y.

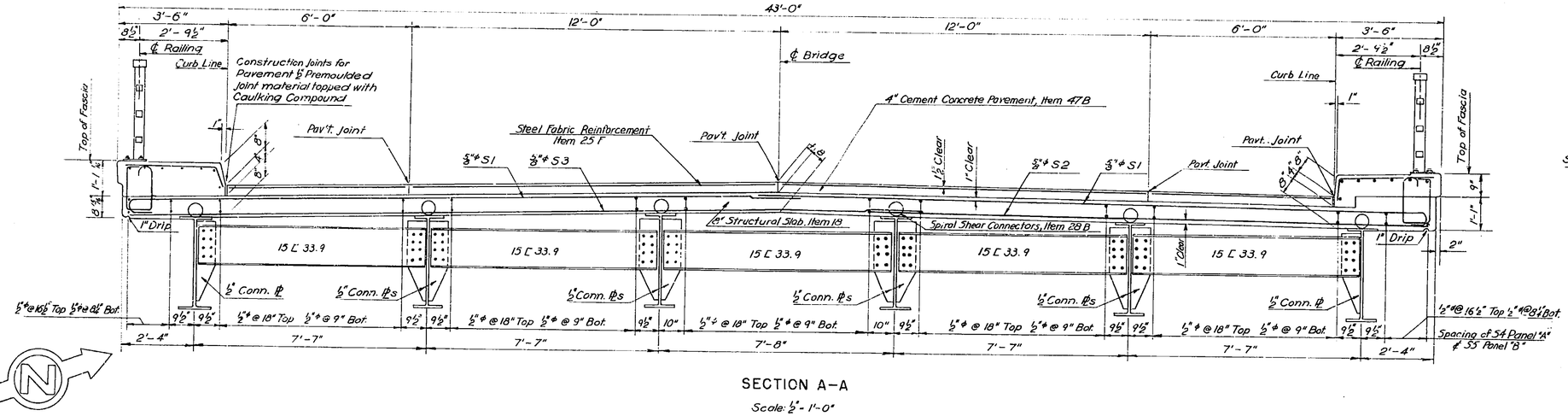
In Charge of: R Harris
Made by: J. Ferenz
Checked by: W. Lush
Traced by: W. Chamula
Tracing Chk by: W. Lush

DWG. NO. 481-3-10E-1507

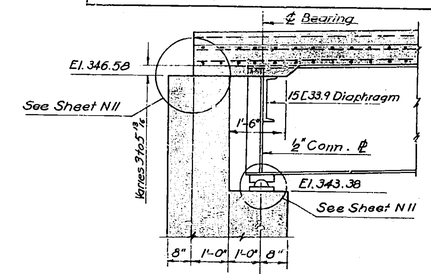
N7

M.T. 58-3 R.C. 58-19

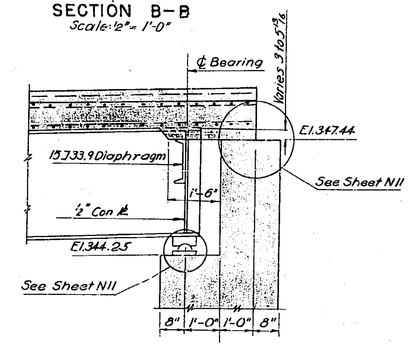
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			102	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



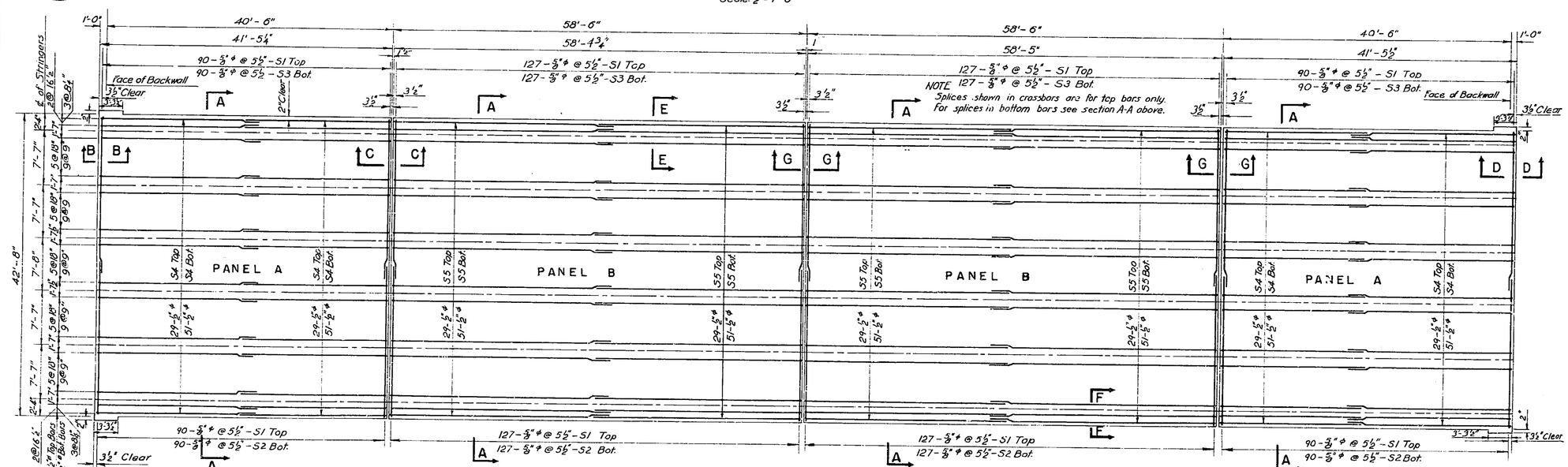
SECTION A–A
Scale: ½" = 1'-0"



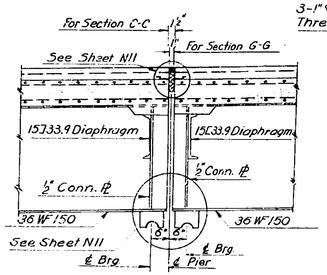
SECTION B–B
Scale: 2" = 1'-0"



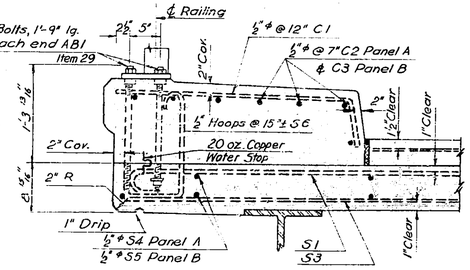
SECTION D–D
Scale: 2" = 1'-0"



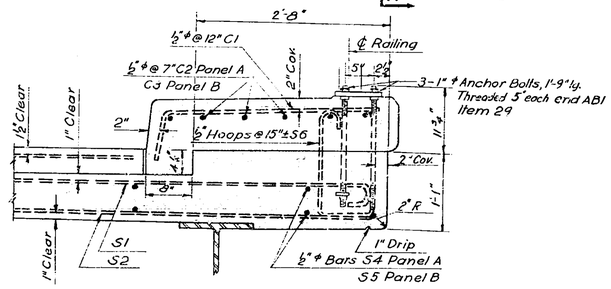
PLAN
Scale: ⅛" = 1'-0"



SECTION C-C & G-G
IDENTICAL EXCEPT AS SHOWN
Scale ½" = 1'-0"



SECTION E-E
Scale: ½" = 1'-0"



SECTION F-F
Scale: ½" = 1'-0"

NOTES

Placing dimensions are given center to center of bars unless noted otherwise.
Where reinforcement interferes with anchor bolts, spiral connectors, etc., shift or bend bars.
Minimum lap length for splices shall be 40 bar diameters.
Concrete in Structural Slab, Item 18
Bar Reinforcement, Item 28
Steel Fabric Reinforcement, Item 25 F
Spiral Shear Connectors, Item 28 B
Anchor Bolts, Item 29
Cement Concrete Pavement, Item 47B

REFERENCE DRAWINGS

General Plan, Elevation & Notes	N2
Profiles & Sections	N3
Abutments, Plans, Sections & Details	N5
Beams & Diaphragms, Plan & Details	N7
Standard Bridge Details	N10
Standard Bridge Details	N11
Bar Schedule	N12

Prepared and Recommended:
E. H. Harlow
E.H. HARLOW VICE PRES. N.Y. STATE P. E. LIC. NO. 20747
DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: E. D'Alba
Checked by: W. Lush
Traced by: P. Piasecky
Tracing Chk by: W. Lush

MOHAWK THRUWAY
UNDER SCHENECTADY-GUILDERLAND
S.H. 577 ON ROUTE 158
STA 6219+65
SCHENECTADY COUNTY

BRIDGE SLAB
PLAN, SECTIONS & DETAILS
SCALE: AS SHOWN

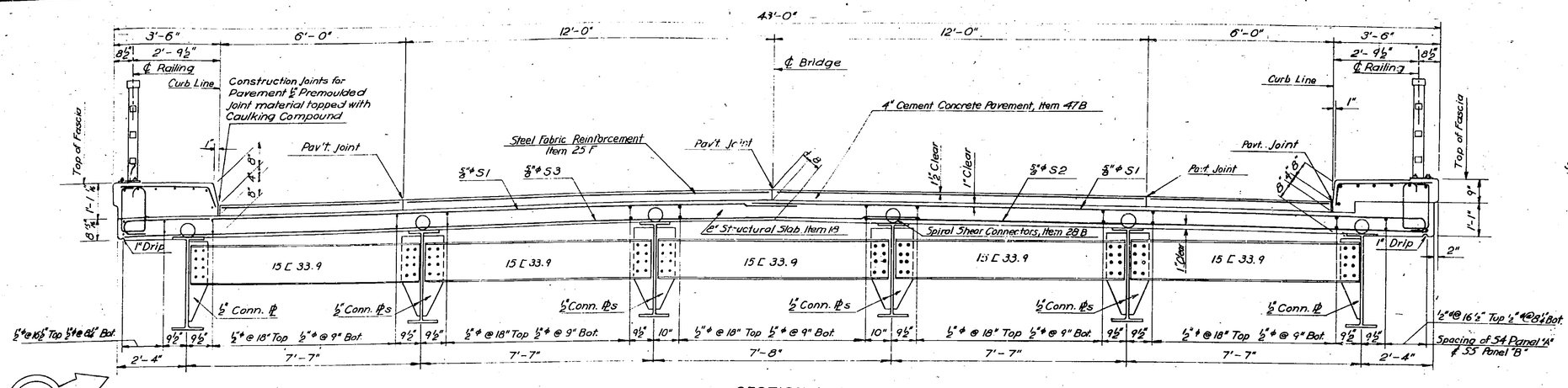
DWG. NO. 481-3-10 E-1508

M.T. 53-3 R.C. 53-19

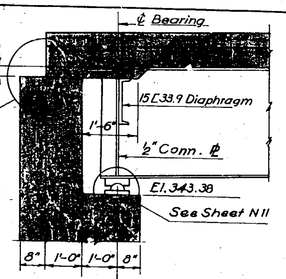
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			102	157

N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1

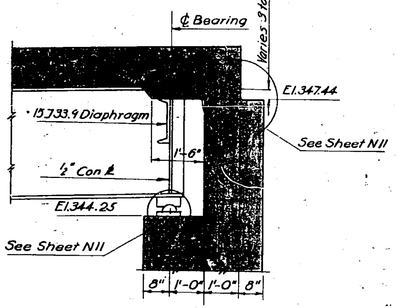
102R



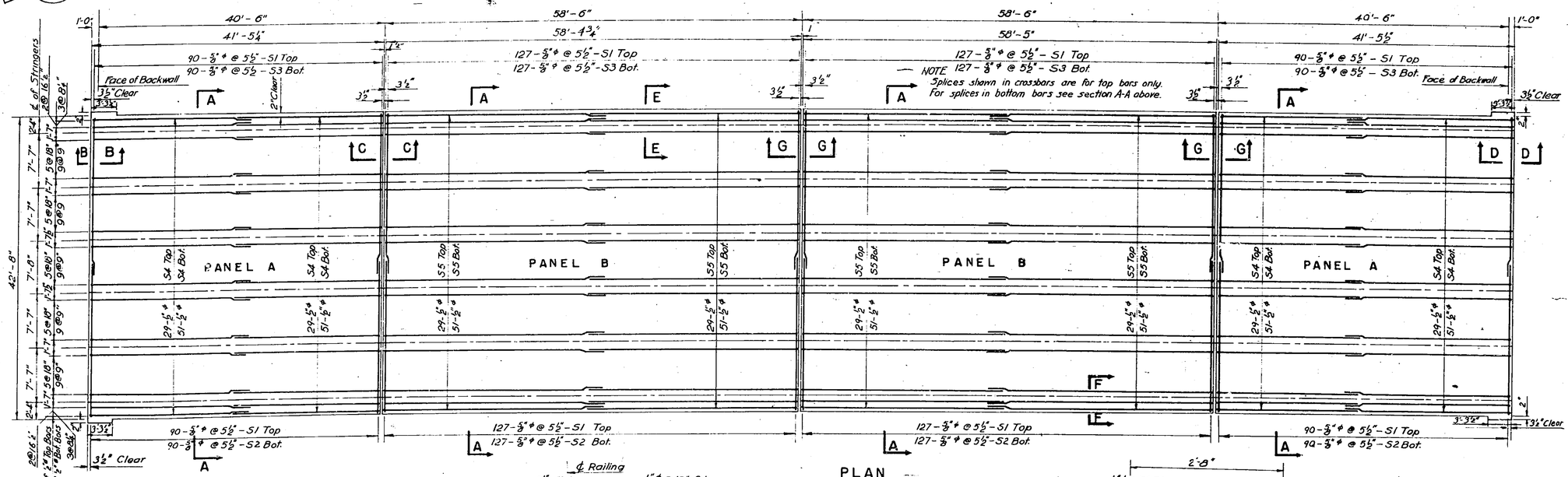
SECTION A–A
Scale: ½"-1'-0"



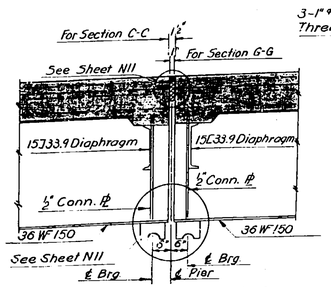
SECTION B–B
Scale: ½"= 1'-0"



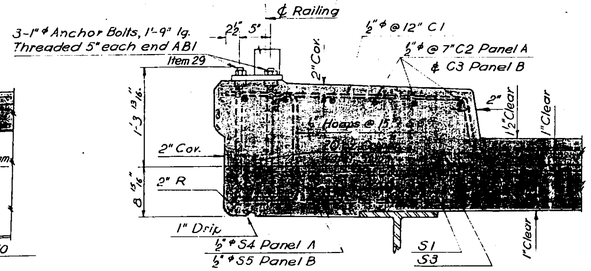
SECTION D–D
Scale: ½"= 1'-0"



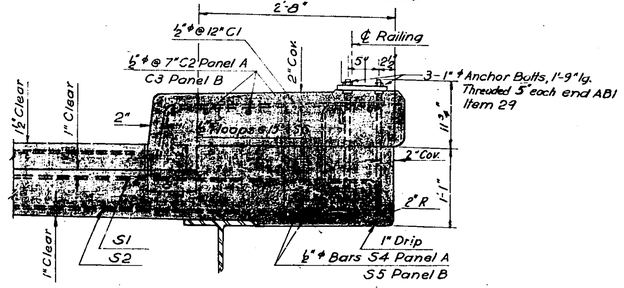
PLAN
Scale: ⅛"-1'-0"



SECTION C-C & G-G
IDENTICAL EXCEPT AS SHOWN
Scale ½"-1'-0"



SECTION E-E
Scale: ½"=1'-0"



SECTION F-F
Scale: ½"=1'-0"

NOTES

Placing dimensions are given center to center of bars unless noted otherwise.
Where reinforcement interferes with anchor bolts, spiral connectors, etc., shift or bend bars.
Minimum lap length for splices shall be 40 bar diameters.
Concrete in Structural Slab, Item 18
Bar Reinforcement, Item 28
Steel Fabric Reinforcement, Item 25 F
Spiral Shear Connectors, Item 28 B
Anchor Bolts, Item 29
Cement Concrete Pavement, Item 47B

REFERENCE DRAWINGS

General Plan, Elevation & Notes	N2
Profiles & Sections	N3
Abutments, Plans, Sections & Details	N5
Beams & Diaphragms, Plan & Details	N7
Standard Bridge Details	N10
Standard Bridge Details	N11
Bar Schedule	N12

MOHAWK THRUWAY
UNDER SCHENECTADY-GUILDERLAND
S.H. 577 ON ROUTE 158
STA 6219+65
SCHENECTADY COUNTY
BRIDGE SLAB
PLAN, SECTIONS & DETAILS
SCALE: AS SHOWN

DWG. NO. 481-3-10E-1508

Prepared and Recommended:

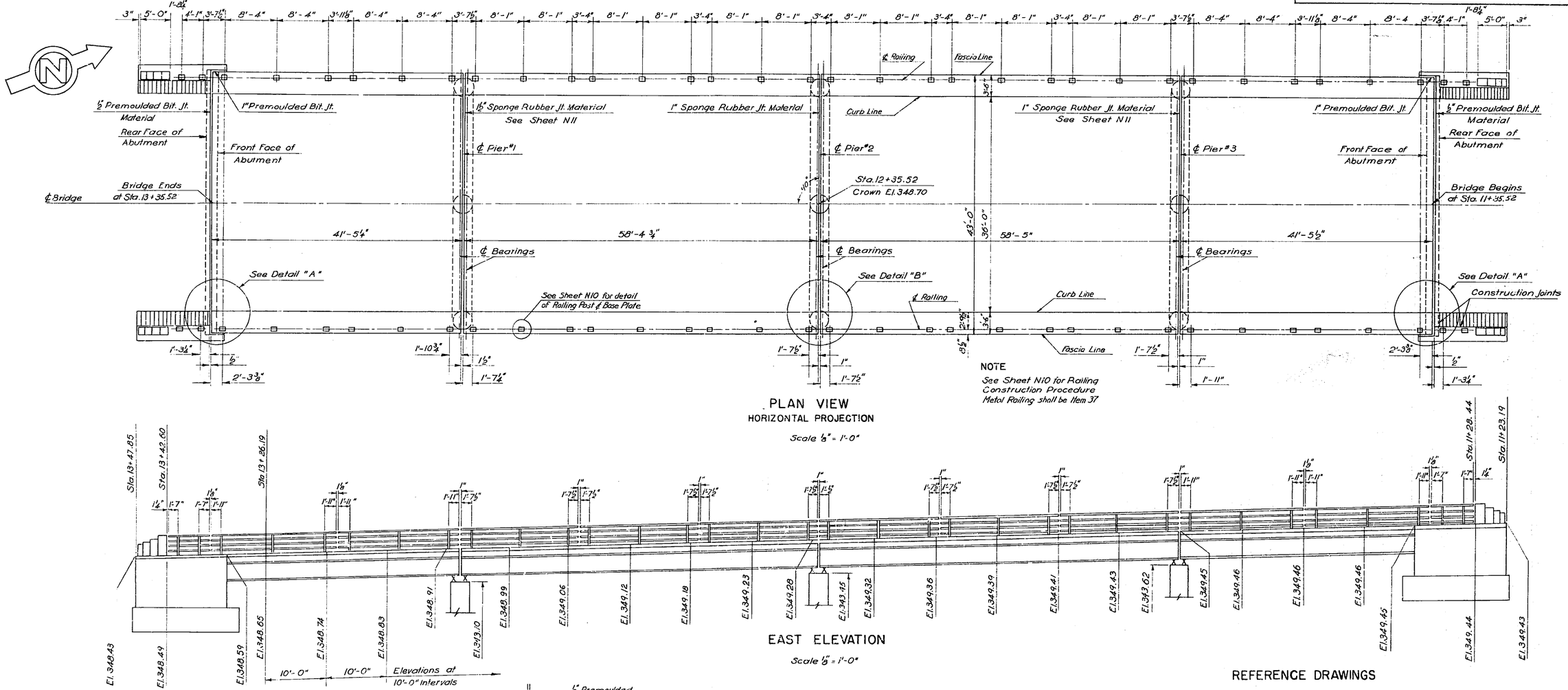
E.H. HARLOW VICE PRES. N.Y. STATE P.E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK, N. Y.

In Charge of: R Harris
Made by: E. D'Alba
Checked by: W. Lush
Traced by: P. Piasecky
Tracing Chk by: W. Lush

M.T. 53-3 R.C. 53-19

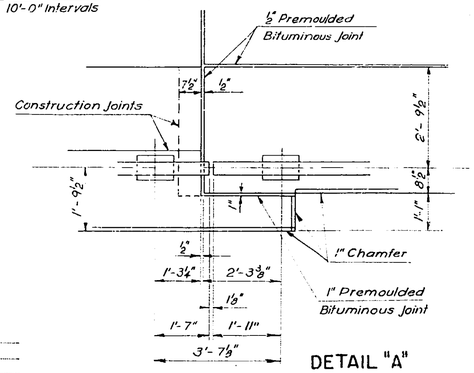
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			103	157
N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



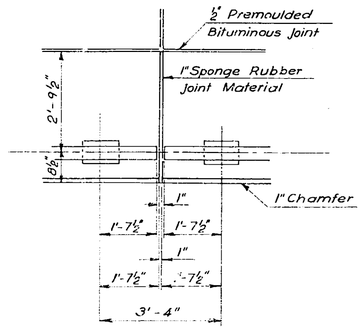
PLAN VIEW
HORIZONTAL PROJECTION

Scale ⅛" = 1'-0"

EAST ELEVATION
Scale ⅛" = 1'-0"



DETAIL "A"
Scale ½" = 1'-0"



DETAIL "B"
Scale ½" = 1'-0"

NOTE

See Sheet N10 for Railing Construction Procedure Metal Railing shall be Item 37

REFERENCE DRAWINGS

General Plan - Elevation & Notes ____ N2
Profiles & Sections ____ N3
Abutments - Plans, Sections & Details ____ N5
Piers - Elevations, Sections & Details ____ N6
Beams & Diaphragms - Plans, Sections & Details ____ N7
Bridge Slab - Plan, Sections & Details ____ N8
Standard Bridge Details ____ N10
Standard Bridge Details ____ N11

MOHAWK THRUWAY
UNDER SCHENECTADY-GUILDERLAND
S.H. 577 ON ROUTE 158
STA. 6219+65
SCHENECTADY COUNTY

RAILING & PYLON LOCATION

SCALE AS SHOWN

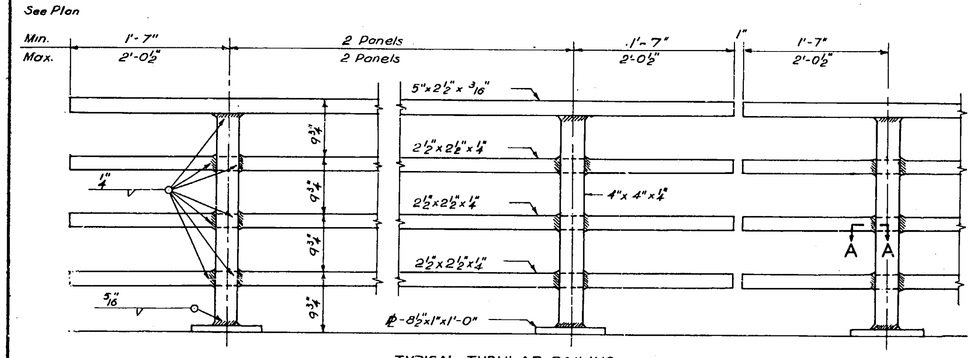
Prepared and Recommended:
E.H. HARLOW, VICE PRES. N.Y. STATE F. E. LIC. NO. 20747 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of R. Harris
Made by: S. Levy
Checked by: W. Lush
Traced by: P. Piasecky
Tracing Chk by: J.J. Schortemeyer

DWG. NO. 481-3-10E-1509

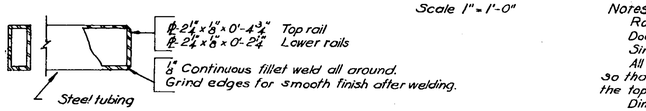
M.T. 53-3 R.C. 58-19

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			104	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



TYPICAL TUBULAR RAILING

Scale 1" = 1'-0"

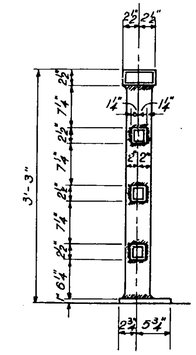


Construction Procedure

1 - Set railing anchor bolts by means of template and pour slab.
2 - Make two (2) applications of water proofing oil treatment M 41-W to the top of slab.
3 - The top of slab shall be continuously and thoroughly wetted down, as directed by the engineer, for at least one hour, immediately prior to the placing of the roadway pavement.
4 - Pour roadway pavement.
5 - Place lower nuts on upper end of anchor bolts.
6 - Place railing on lower nuts and adjust to bring railing to line and grade.
7 - Place upper nuts on anchor bolts; tighten down on plates.
8 - Pour sidewalk to proper line and grade.

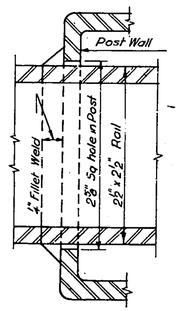
Notes

Railing shall be item 37.
Double panel as shown.
Single panel similar except for panel length.
All railings are to be fabricated and erected so that rails are parallel to each other and to the top of fascia and posts are truly vertical.
Dimensions for tubing are outside dimensions.
Shop or field welding may be used in fabrication and erection of the railing.
All welds on railing shall be ground smooth.



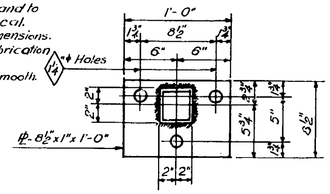
SECTION THRU RAILING

Scale 1" = 1'-0"



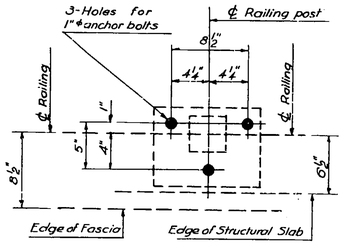
SECTION A-A

Scale - Full Size



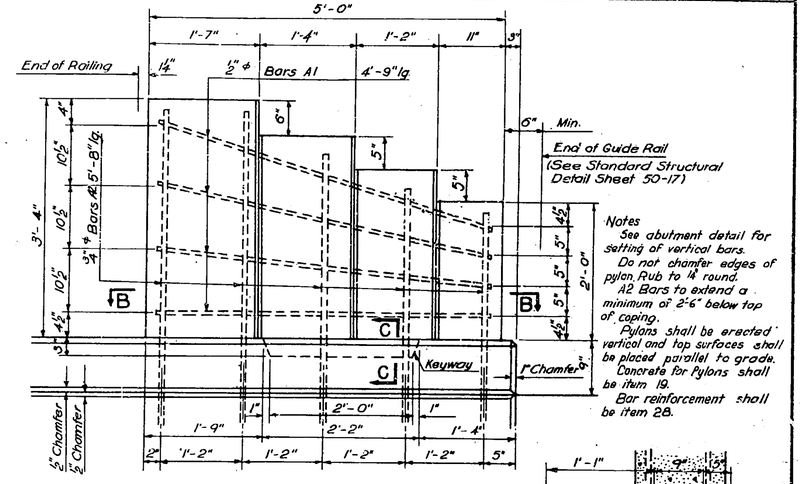
RAILING POST BASE PLATE

Scale 1½" = 1'-0"



TEMPLATE FOR SETTING RAILING POST ANCHOR BOLTS

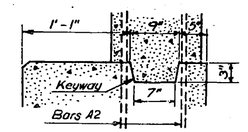
Scale 1½" = 1'-0"



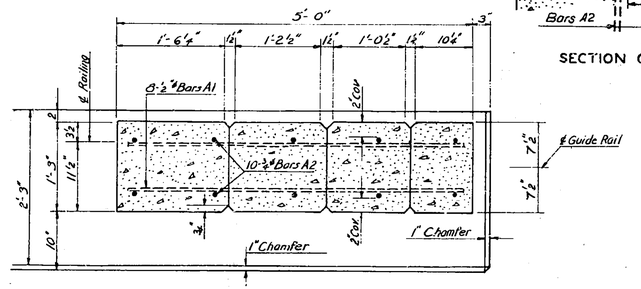
ELEVATION OF PYLON

Notes

See abutment detail for setting of vertical bars.
Do not chamfer edges of pylon. Rub to ¼ round.
A2 Bars to extend a minimum of 2'-6" below top of coping.
Pylons shall be erected vertical and top surfaces shall be placed parallel to grade.
Concrete for Pylons shall be item 19.
Bar reinforcement shall be item 28.



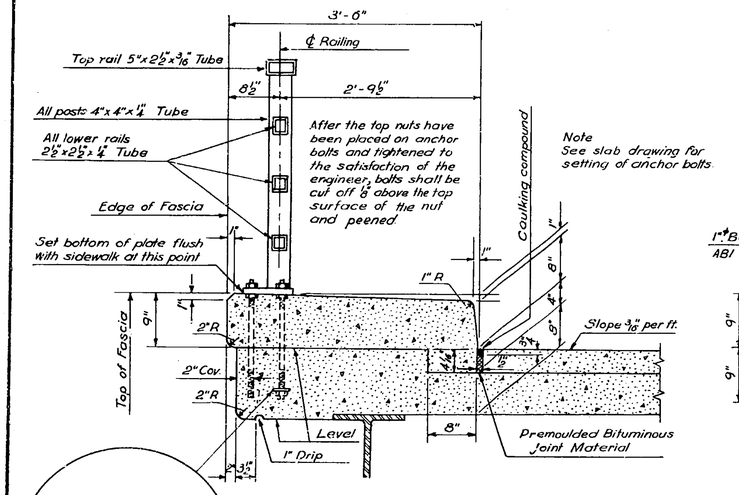
SECTION C-C



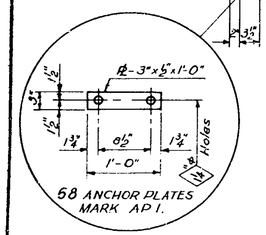
SECTION B-B

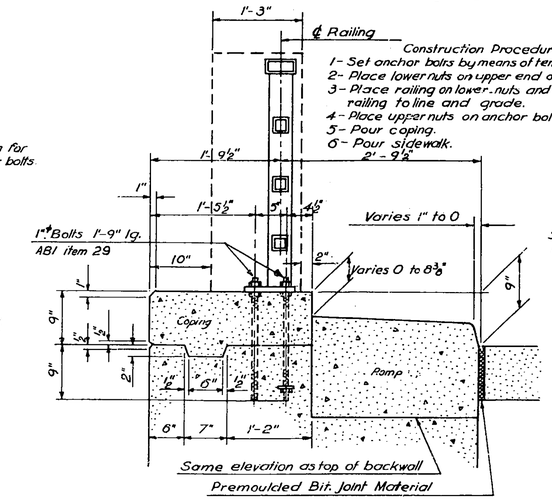
PYLON DETAILS

Scale 1" = 1'-0"

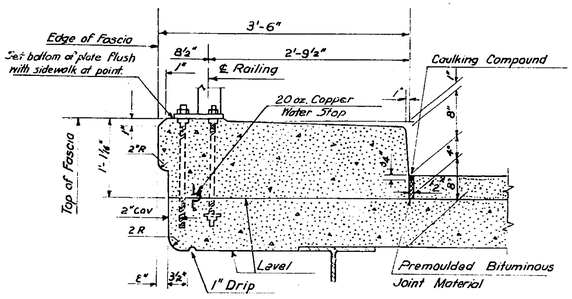


SIDEWALK AND FASCIA EAST SIDE





SECTION THRU SUBSTRUCTURE



SIDEWALK AND FASCIA WEST SIDE

SIDEWALK AND FASCIA DETAILS

Scale 1" = 1'-0"

MOHAWK THRUWAY
UNDER SCHENECTADY-GUILDERLAND
S.H. 577 ON ROUTE 158
STA. 6219+55
SCHENECTADY COUNTY

STANDARD BRIDGE DETAILS

SCALE - AS SHOWN

Prepared and Recommended:
E.H. Harlow
E.H. HARLOW VICE PRES. N.Y. STATE P.E. LIC. NO. 20747
Jan 8 '53
DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of:	R. Harris
Made by:	W. Chamula
Checked by:	W. Lush
Traced by:	W. Chamula
Tracing Chk by:	W. Lush

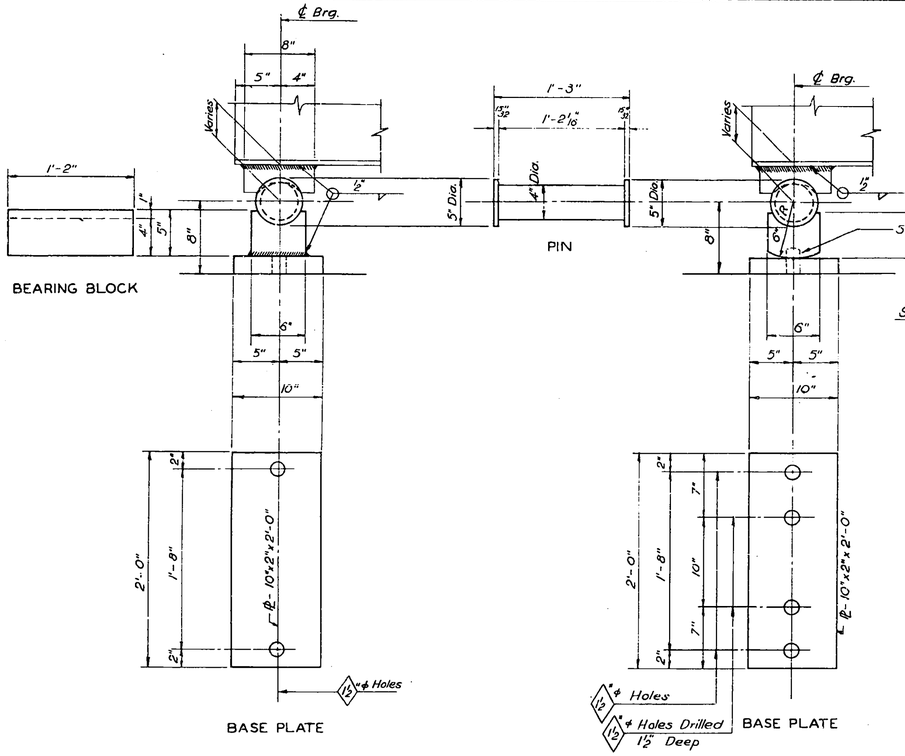
DWG. NO. 481-3-10 E 1510

N 10

M.T. 53-3 R.C. 53-19

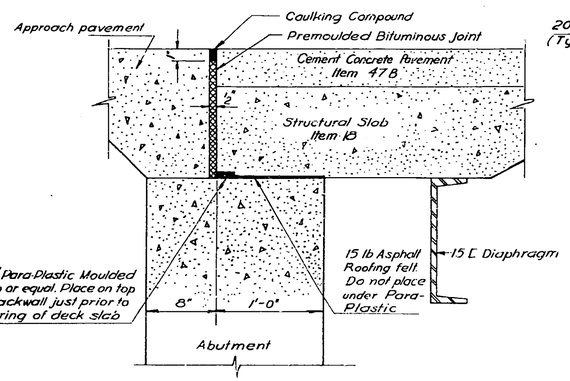
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			105	157

N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1

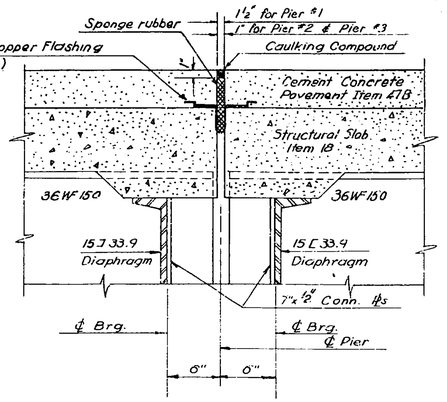


FIXED BEARING DETAILS AT PIERS

Scale 1½" = 1'-0"



DETAIL OF JOINT AT ABUTMENT



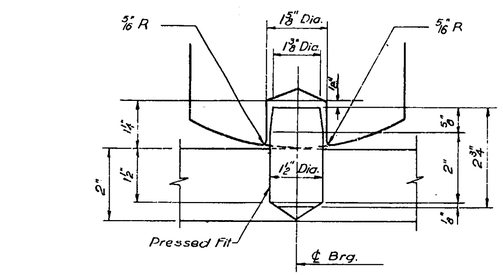
DETAIL OF JOINT OVER PIERS

EXPANSION BEARING DETAILS AT PIERS

Scale 1½" = 1'-0"

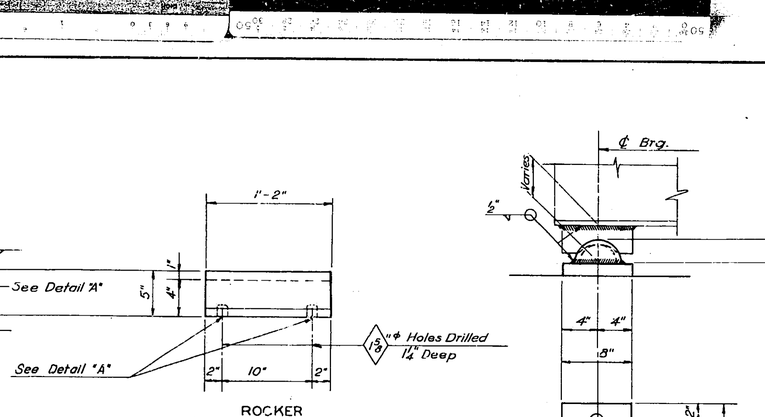
DETAILS OF JOINTS

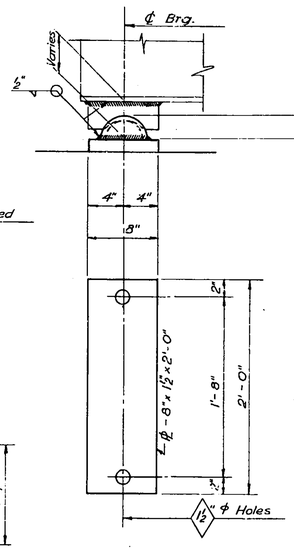
Scale 1½" = 1'-0"



DETAIL "A"

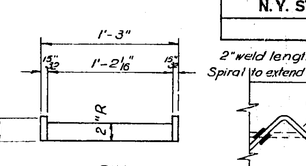
Scale half Size

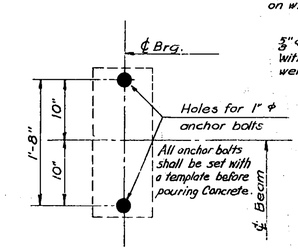




FIXED BEARING DETAILS AT ABUTMENT

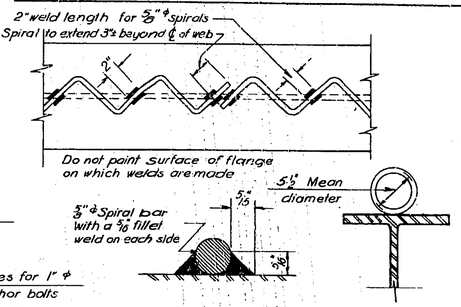
Scale 1½" = 1'-0"





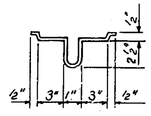
TEMPLATE FOR SETTING BEARING ANCHOR BOLTS

Scale 1" = 1'-0"

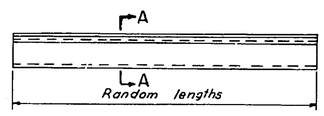


SPIRAL DETAILS

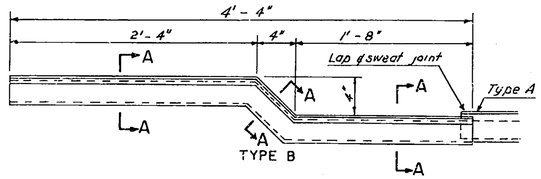
Scale 1½" = 1'-0"



SECTION A-A

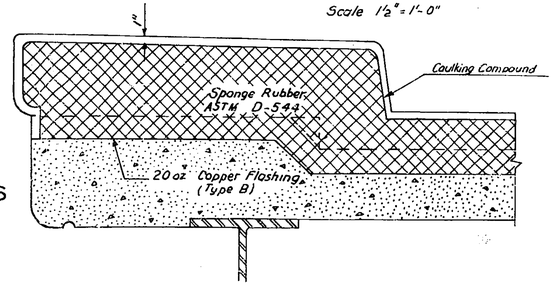


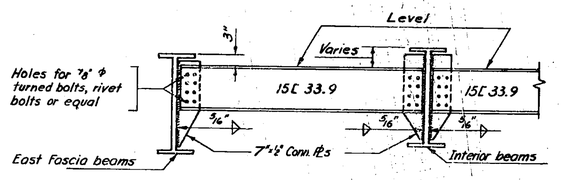
TYPE A



DETAILS OF 20 OZ. COPPER FLASHING FOR JOINTS

Scale 1½" = 1'-0"





DIAPHRAGM DETAIL

Scale: ½" = 1'-0"

MOHAWK THRUWAY
UNDER SCHENECTADY-GUILDERLAND
S.H. 577 ON ROUTE 158
STA 621@ +65
SCHENECTADY COUNTY

STANDARD BRIDGE DETAILS

SCALE - AS SHOWN

Prepared and Recommended:
E.H. Harlow
E.H. HARLOW, VICE PRES. N.Y. STATE P.E. LIC. NO. 20747 — DATE Jan 9 '59
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: W. Chamula
Checked by: W. Lush
Traced by: W. Chamula
Tracing Chk by: W. Lush

DWG. NO. 481-3-10E-1511

N 11

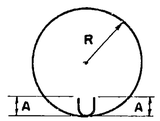
24:1

M.T. 53-3 R.C. 53-19

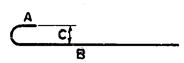
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			106	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				

LOCATION OF BARS	MARK	SIZE	NO. REQ'D.	LENGTH	TYPE	A	B	C	D	E	H	R	REMARKS
FOOTINGS & PILES	F1	¾"ø	198	6'-6"	str.								Transverse – Pier
	F2	14"□	72	23'-4"	str.								Longitudinal – "
	F3	14"□	36	32'-10"	str.								" "
	F4	14"□	36	13'-10"	str.								" "
	F5	½"ø	96	5'-6"	str.								Transverse – Abutment
	F6	¾"ø	40	24'-1"	str.								Longitudinal – "
	F7	½"ø	96	5'-0"	str.								Transverse – Wingwalls
	F8	¾"ø	32	17'-2"	str.								Longitudinal – "
	F9	1"ø	5140	3'-0"	I	4"						4½"	Hoops – Piles
	F10	¾"ø	540	30'-0"	II	8"	29'-4"	6"					Longitudinal – Piles
	F11	¾"ø	120	37'-4"	II	8"	36'-8"	6"					" "
	F12	¾"ø	396	22'-4"	str.								" "
	F13	¾"ø	144	27'-4"	str.								" "
	D1	1"□	96	7'-0"	III	6"	7'-6"	–					Dowels
	D2	18"□	48	7'-0"	III	6"	7'-6"	–					"
ABUTMENTS, WINGWALLS & PYLONS	A1	½"ø	32	4'-9"	str.								Horizontal Pylons
	A2	¾"ø	40	5'-8"	str.								Vertical "
	A3	↑	24	13'-4"	III	1'-9"	11'-7"	–					" – Wingwalls
	A4		12	23'-8"	III	11'-7"	6"	11'-7"					" "
	A5		28	9'-6"	str.								" "
	A6		20	14'-6"	str.								Horizontal – "
	A7	↓	20	6'-0"	str.								" "
	A8	¾"ø	16	12'-6"	str.								" "
	A9	½"ø	52	2'-9"	IV	2'-0"	9"				8¾"		Transverse Sidewalk Ramps
	A10	½"ø	16	12'-3"	str.								Longitudinal " "
	A11	¾"ø	20	21'-10"	str.								Horizontal – Abutments
	A12	¾"ø	20	24'-4"	str.								" – "
	A13	¾"ø	88	9'-4"									Vertical – "
	A14	½"s	72	8'-2"	III	2'-10"	2'-6"	2'-10"					Horizontal – Stirrups
	A15	¾"ø	36	6'-1"	str.								Vertical – Pedestal
PIER CAPS	G1	1⅛"□	12	15'-6"	V	3'-2"	2'-1"	10'-3"				1'-4"	Transition – Cap
	G2	1⅛"□	18	16'-10"	V	3'-2"	2'-1"	11'-7"				1'-4"	" "
	G3	1⅛"□	15	23'-2"	str.								Longitudinal – Top
	G4	1⅛"□	12	13'-0"	str.								" "
	G5	½"ø	36	7'-5"	VI	1'-9"	3'-11"					1'-3"	Horizontal – Stirrups
	G6	1⅝"□	48	21'-0"	str.								Longitudinal – Bot
	G7	⅝"ø	36	20'-1"	str.								" – Side
	G8	⅝"ø	228	11'-8	VII	4"	3'-8"	1'-10"					Vertical Stirrups
COLUMNS	P1	⅜"ø	32	15'-0"	str.								Vertical – Columns
	P2	⅜"ø	32	15'-3"	str.								" "
	P3	⅜"ø	32	15'-6"	str.								" "
	P4	1"□	16	15'-0"	str.								" "
	P5	1"□	10	15'-3"	str.								" "
	P6	1"□	16	15'-6"	str.								" "
	P7	½"ø	111	8'-10"	I	3½"						1'-4"	Horizontal Hoops
STRUCTURAL SLAB	S1	⅝"ø	868	22'-10"	II	7	22'-3"	5					Transverse – Top
	S2	⅝"s	434	18'-5"	str.								" – Bot.
	S3	⅝"ø	434	26'-1"	str.								" "
	S4	½"ø	320	21'-6"	str.								Longitudinal – Top & Bot.
	S5	½"ø	320	30'-0"	str.								" "
	S6	½"ø	324	5'-0"	VIII	6	1'-5"	10"	1'-6"	9"			Vertical Stirrups
SIDE–WALK	C1	½"ø	404	3'-10"	IV	3'-1"	9"				8¾"		Transverse – Sidewalk
	C2	½"ø	56	21'-6"	str.								Longitudinal – "
	C3	½"ø	56	30'-0"	str.								" "

LOCATION OF BARS	MARK	SIZE	NO. REQ'D.	LENGTH	TYPE	A	B	C	D	E	H	R	REMARKS



TYPE I



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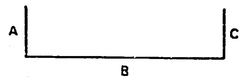
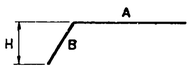
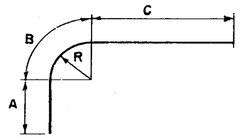


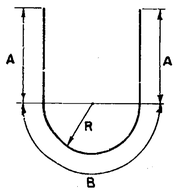
TYPE III



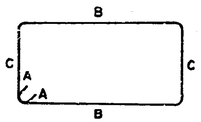
TYPE IV



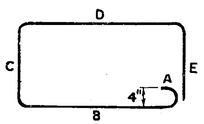
TYPE V



TYPE VI



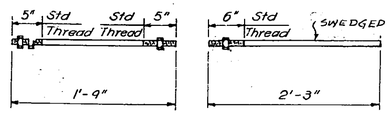
TYPE VII



TYPE VIII

ANCHOR BOLT SCHEDULE *Item 29.*

MARK	SIZE	NO. REQ'D	LENGTH	NUTS SHAPE	NUTS NO. REQ'D	LOCATION
AB1	1"ø	204	1'-9"	Hex.	612	Railing
AB2	1"ø	96	2'-3"	Hex.	96	Bearings



MARK AB1 MARK AB2

REFERENCE DRAWINGS

Foundations – Plans & Sections ____ N4
Abutments – Plan, Sections & Details ____ N5
Piers – Elevations, Sections & Details ____ N6
Bridge Slab – Plan, Sections & Details ____ N8
Railing & Pylon Location ____ N9

MOHAWK THRUWAY
UNDER SCHENECTADY-GUILDERLAND
S.H. 577 ON ROUTE 158
STA. 6219+65
SCHENECTADY COUNTY

BAR SCHEDULE

NOTES

All dimensions are given out to out.
All bars shall be deformed.
No rerolled material will be accepted.
Bar reinforcement shall be Item 29.
Anchor Bolts shall be Item 29.

Prepared and Recommended:
E. H. Harlow
E. H. HARLOW VICE PRES. N.Y. STATE P.E. LIC. NO. 20747
DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: W. Lush
Checked by: J.J. Schortemeyer
Traced by: P. Piasecku
Tracing Chk by: J.J. Schortemeyer

DWG. NO. 481-3-10E-1512

N12

M T 53-3 R C 53-19

M.T. 53-3 S.T 53-7

COUNTY			SHEET NO.	TOTAL SHEET
SCHENECTADY			107	157

N. Y. STATE THRUWAY- MOHAWK SECTION—SUB DIV. 1

24:1

N

R.O.W.

11'-6" Shld | 25'-0" Pavement | 44'-0" Center Mall | 25'-0" Pavement | 11'-6" Shld.

℄ Thruway R= 25,000

Az. 108°-05'-40" 360.71'

-2.98%

6055

6056

6057

6058

6056+83.5

6056+48.00

4+88.62

6057+90.75

6+43.23

Toe of Slope

1 on 2

368.7

℄7

Anthony DeMeo

Az. 53°-21'-44" 407.52'

Relocated Channel begins at Sta. 2+40

P.E. Map 297 Parcel 326

Top of Slope

Sta 2+15.81

Az. 58°-51'-44" 235.81'

Sta 3+00

Dist. 249.81

-2.2%

Sta 4+00

Bridge begins Sta. 4+25.69

N.Y. Thruway Sta 6056+83.5 Poentic Kill Sta. 5+02

Dist. 241.05

-2.2%

27"ψ

159'-6"

Bridge ends Sta. 5+85.19

Sta. 6+00

Sta. 7+00

-2.2%

Proposed Channel

Az. 138°-43'-44" 242.98'

POENTIC KILL

FLOW

Anthony DeMeo

8+86.21 equals Sta. 7+26.67 Aux. Base Line

Relocated Channel ends at Sta. 8+00

P.E. Map 297 Parcel 327

Top of Slope

1 on 2

Az. 90°-29'-44" 335.34'

P.E. Map 297 Parcel 325

Harry T. Smith

Prepared and Recommended:

E. H. HARLOW, VICE PRES. N.Y. STATE P. E. LIC. NO. 20747

DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS

27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. J. Harris

Made by: A. Torun

Checked by: A. Romo-Leroux

Traced by: J. Lee

Tracing Chk by: J. Dawson

MOHAWK THRUWAY
OVER POENTIC KILL
STATION 6056+83.5
SCHENECTADY CO.

CHANNEL LOCATION

SCALE: 1"=20'

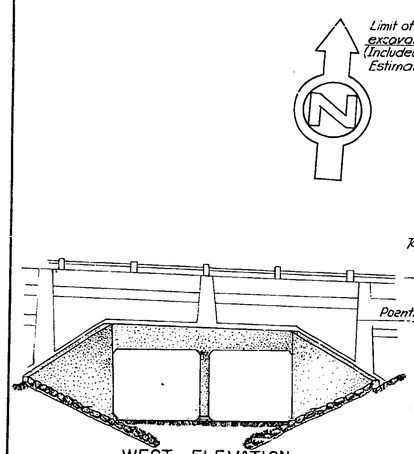
DWG. NO. 481-3-10E-1101

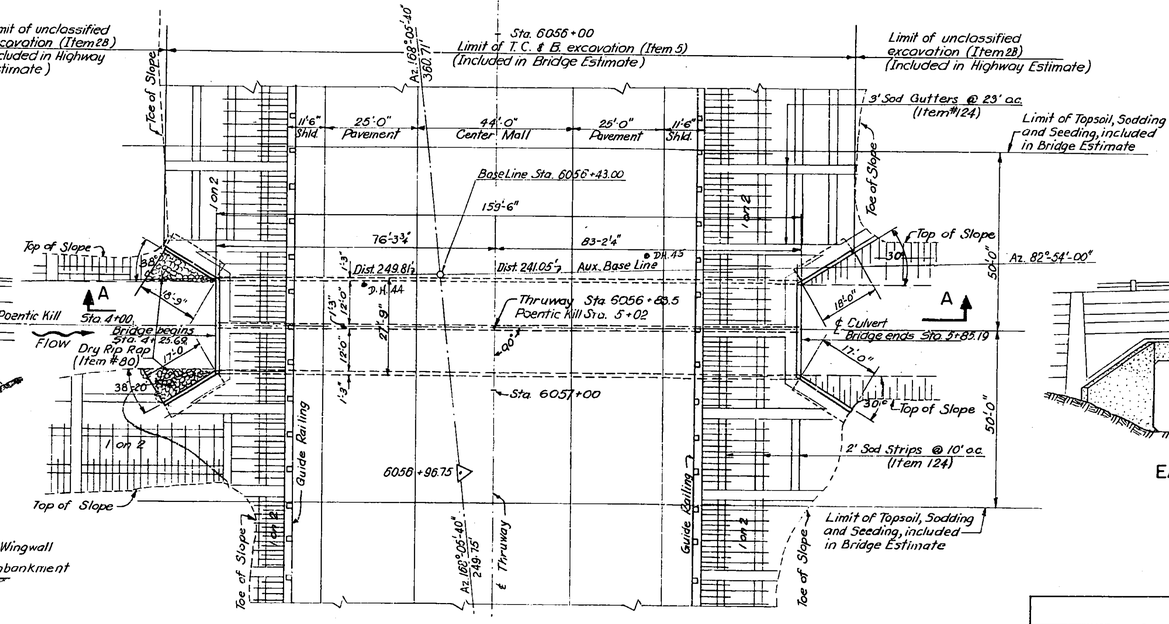
PI

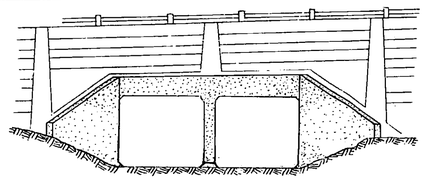
24:1

M.I. 58-8 Sh 82-7

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			108	157
N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				

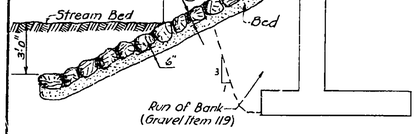




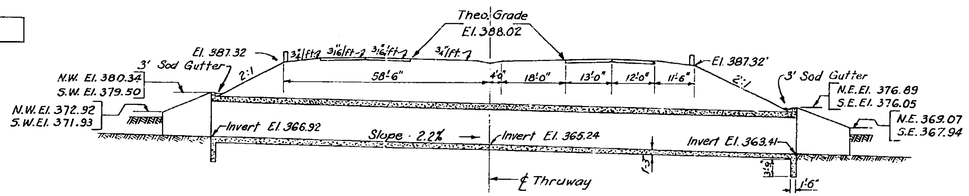


GENERAL NOTES

All concrete shall be Item 18.
The cost of furnishing & installing copper flashing shall be included in the price bid for Item 18.
A waterproofing oil treatment as specified in M-41-W shall be applied to all exposed surfaces of concrete.
Material & fabrication: Specifications of New York State Department of Public Works dated Jan. 2, 1951 & current modifications & additions.
Design Specifications: AASHO 1949.
Loading: H20-S16 and current modifications.
For design purposes, the foundation pressure is assumed not to exceed 2½ Tons per square foot.
Construction joints other than those shown will not be permitted without written permission of the Deputy Chief Engineer (Bridges.)
The contractors attention is directed to the Special Notes for this structure which appear in the proposal. Particular attention should be given to the foundation notes which briefly outline the anticipated subsurface conditions at the site of the structure and which specify certain requirements relative to the construction.
For details of Identification Plate Pedestal see Standard Sheet 53-41 to be furnished by the Engineer.



RIP RAP DETAIL
No Scale



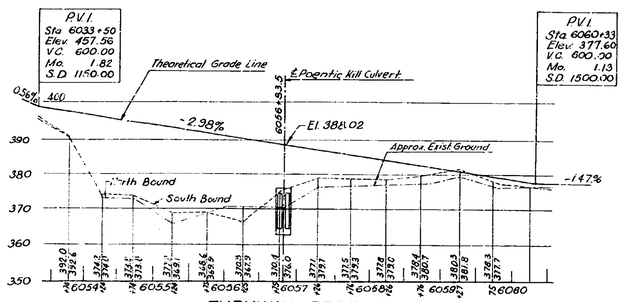
SECTION A-A
Scale: 1"=20'

ESTIMATE OF QUANTITIES

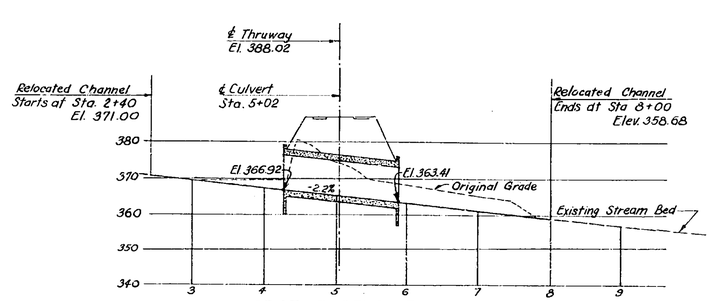
ITEM NO.	DESCRIPTION	UNIT	COMBINED NEAT	COMBINED ROUND	SUBSTR. NEAT	SUBSTR. ROUND
5	Trench, Culvert & Bridge Excavation	C.Y.	2980	3300		
15-2	Portland Cement Type 2	Bbl.	1050	1100		
15 N	Natural Cement Type N	Bbl.	150	160		
18	Class 1A Concrete for Structures	C.Y.	750	780		
28	Bar Reinforcement for Structures	Lbs.	160,810	164,000		
80	Dry Rip-Rap	C.Y.	17	20		
119	Run of Bank Gravel Fill	C.Y.	270	300		
121	Topsoil Placed from Stockpiles	C.Y.	110	120		
123B	Seeding on Prepared Areas	Acre	0.25	0.3		
124	Sodding	S.Y.	330	350		

LIST OF DRAWINGS

TITLE	SHEET NO.
Channel Location	P1
General Plan	P2
Masonry	P3
Culvert Reinforcement	P4
Wingwall & Footing Reinforcement	P5
Bar Schedule	P6



THRUWAY PROFILE
Scale Horiz.: 1"=100' Vert.: 1"=20'



PROFILE RELOCATED POENTIC KILL
Scale Horiz.: 1"=100' Vert.: 1"=20'

Prepared and Recommended:
E. H. HARLOW, VICE PRES. N.Y. STATE P.E. LIC. NO. 20747
DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: F. Pannone
Checked by: Roma-Leroux
Traced by: F. Pannone
Tracing Ck'd by: J.K. Davison

MOHAWK THRUWAY
OVER POENTIC KILL
STATION 6056+83.5
SCHENECTADY CO.

GENERAL PLAN
ELEVATIONS, PROFILES, & NOTES
SCALE AS SHOWN

DWG. NO. 481-3-10E-1102

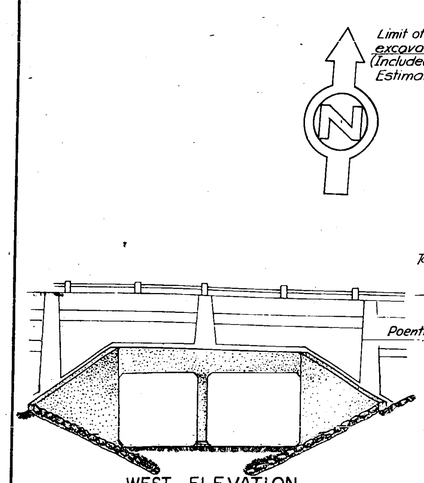
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			108	157

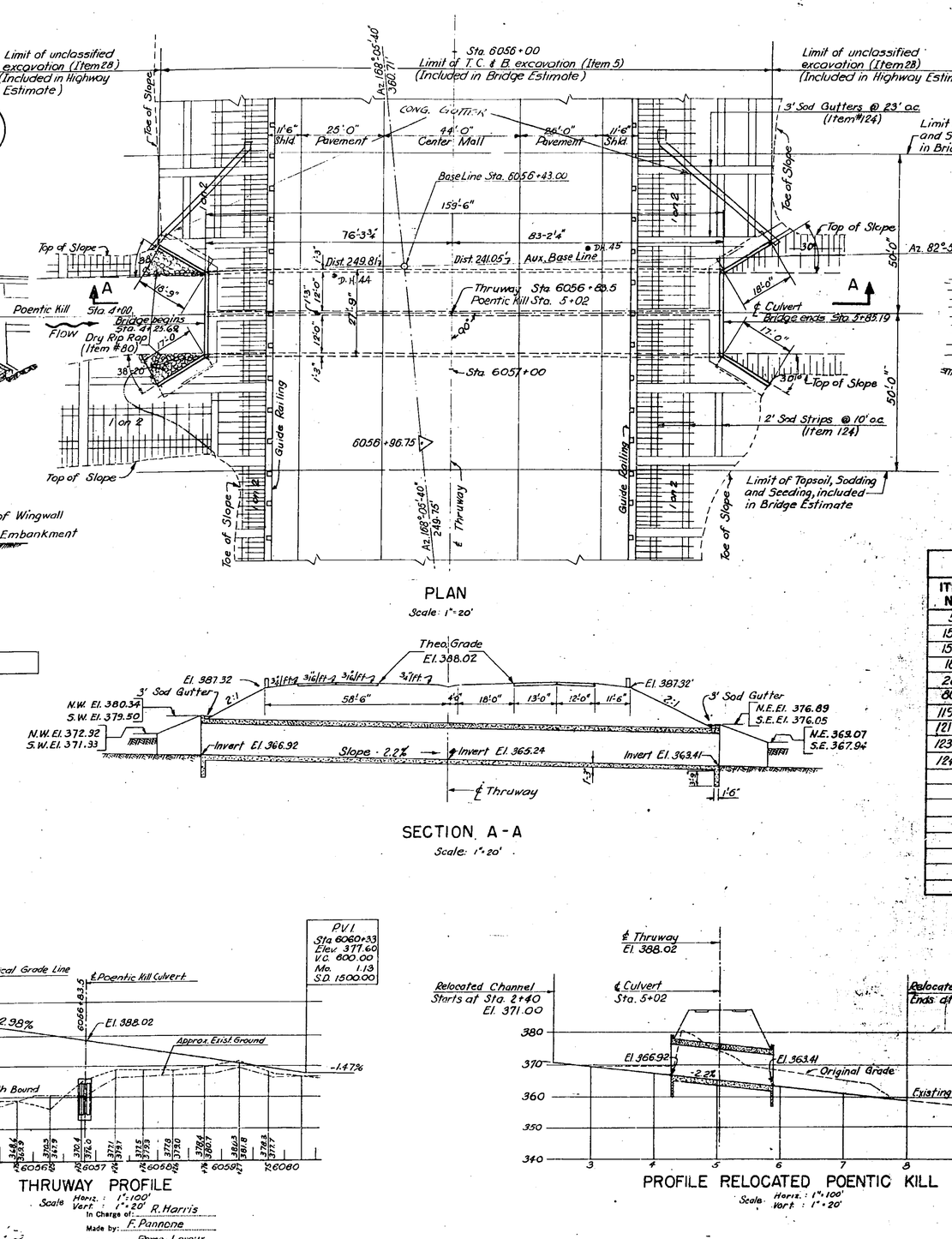
N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1

108K

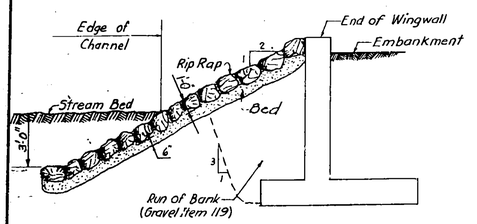
GENERAL NOTES

All concrete shall be Item 18.
The cost of furnishing & installing copper flashing shall be included in the price bid for Item 18.
A waterproofing oil treatment as specified in M-41-W shall be applied to all exposed surfaces of concrete.
Material & fabrication: Specifications of New York State Department of Public Works dated Jan. 2, 1951 & current modifications & additions.
Design Specifications: AASHO 1949.
Loading: H20-S16 and current modifications.
For design purposes, the foundation pressure is assumed not to exceed 2½ Tons per square foot.
Construction joints other than those shown will not be permitted without written permission of the Deputy Chief Engineer (Bridges.)
The contractors attention is directed to the Special Notes for this structure which appear in the proposal. Particular attention should be given to the foundation notes which briefly outline the anticipated subsurface conditions at the site of the structure and which specify certain requirements relative to the construction.
For details of Identification Plate Pedestal see Standard Sheet 53-41 to be furnished by the Engineer.





PLAN
Scale: 1"=20'



RIP RAP DETAIL
No Scale

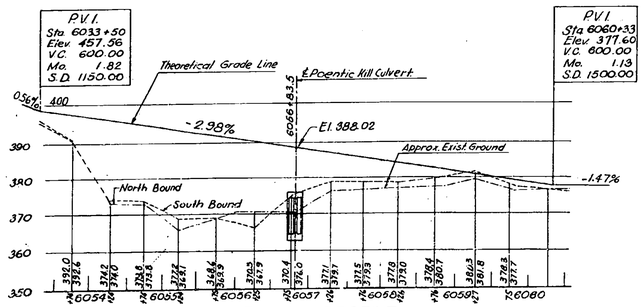
SECTION A-A
Scale: 1"=20'

ESTIMATE OF QUANTITIES

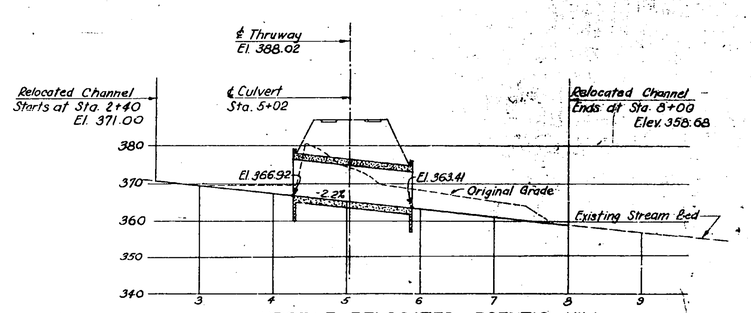
ITEM NO.	DESCRIPTION	UNIT	COMBINED NEAT	COMBINED ROUND	SUBSTR. NEAT	SUBSTR. ROUND
5	Trench, Culvert & Bridge Excavation	C.Y.	2980	3300		
15-2	Portland Cement Type 2	Bbl.	1050	1100		
15 N	Natural Cement Type N	Bbl.	150	160		
18	Class IA Concrete for Structures	C.Y.	750	780		
28	Bar Reinforcement for Structures	Lbs.	160,810	164,000		
80	Dry Rip-Rap	C.Y.	17	20		
119	Run of Bank Gravel Fill	C.Y.	270	300		
121	Topsoil Placed from Stockpiles	C.Y.	110	120		
123.B	Seeding on Prepared Areas	Acre	0.25	0.3		
124	Sodding	S.Y.	330	350		

LIST OF DRAWINGS

TITLE	SHEET NO.
Channel Location	P1
General Plan	P2
Masonry	P3
Culvert Reinforcement	P4
Wingwall & Footing Reinforcement	P5
Bar Schedule	P6



THRUWAY PROFILE
Scale Horiz.: 1"=100' Vert.: 1"=20'



PROFILE RELOCATED POENTIC KILL
Scale: Horiz.: 1"=100' Vert.: 1"=20'

MOHAWK THRUWAY
OVER POENTIC KILL
STATION 6056+83.5
SCHENECTADY CO.

GENERAL PLAN
ELEVATIONS, PROFILES, & NOTES
SCALE AS SHOWN

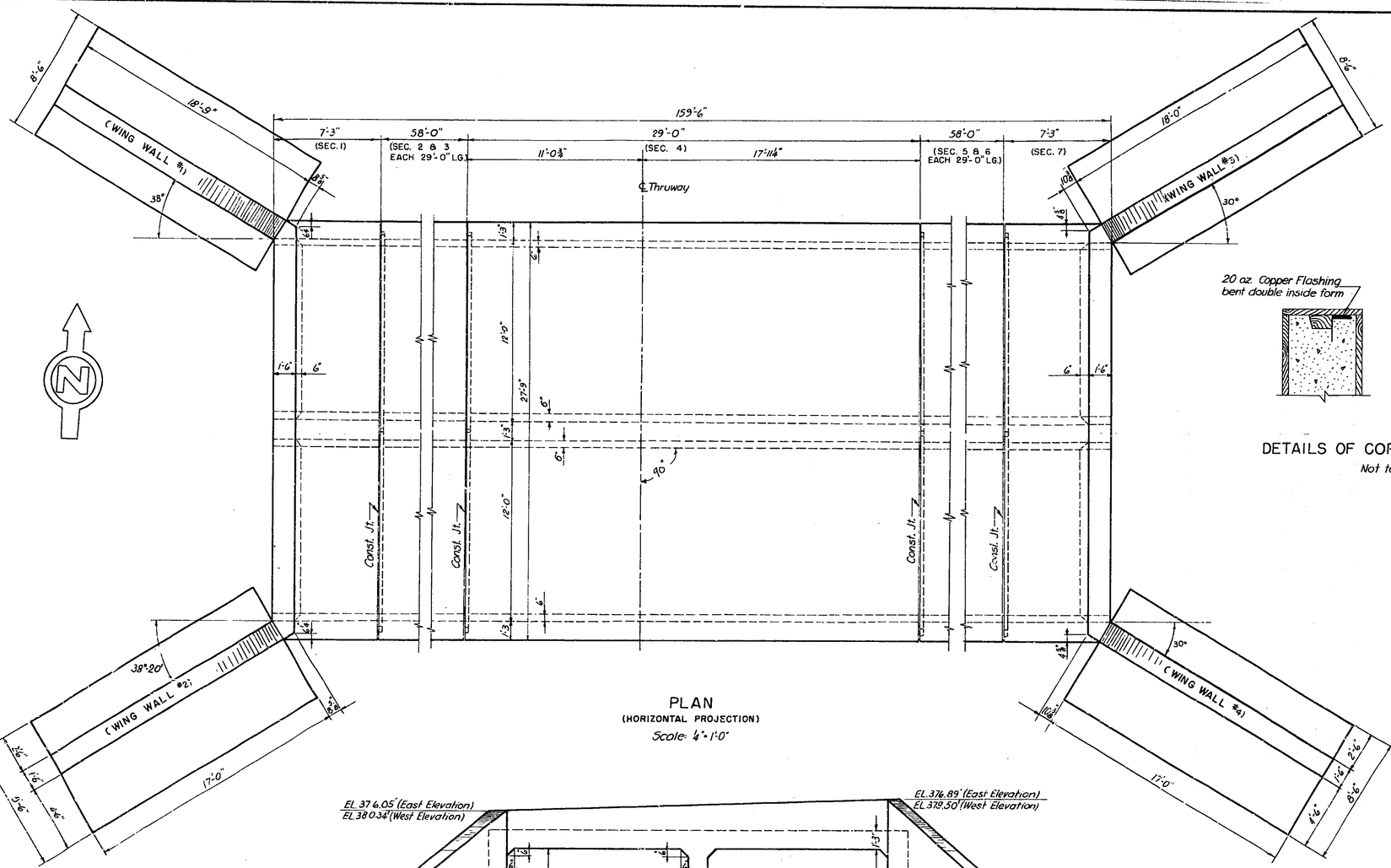
Prepared and Recommended:
E. H. HARLOW, VICE PRES. N.Y. STATE P. E. LIC. NO. 20747
DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: F. Pannone
Checked by: Romo-Leroux
Traced by: F. Pannone
Tracing Chk by:

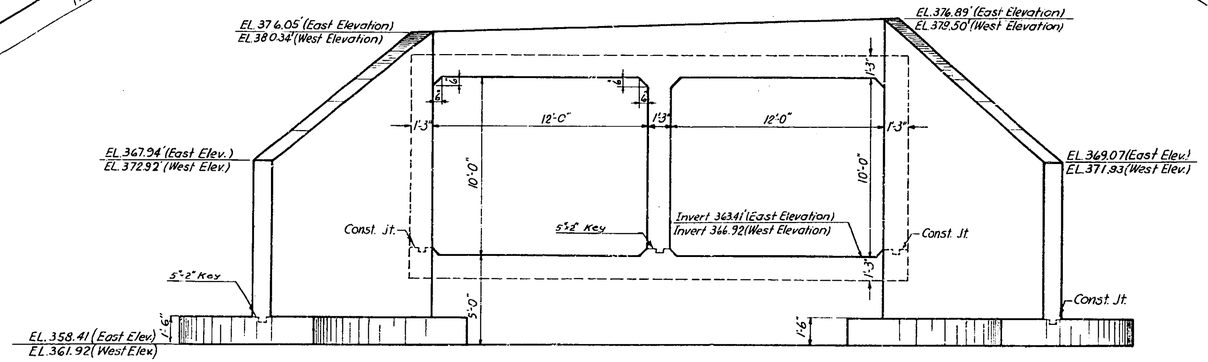
DWG. NO. 431-3-10F-102

M.T. 53-3 S.T 53-7

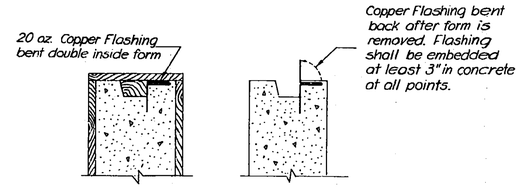
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			109	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



PLAN
(HORIZONTAL PROJECTION)
Scale: 4"=1'-0"



TYPICAL ELEVATION
Scale: 4"=1'-0"



DETAILS OF COPPER FLASHING
Not to Scale

NOTES

The surface at a joint shall be swept clean with a stiff broom or wire brush to remove all laitance, and to provide a roughened surface with some aggregate left exposed. All particles and debris should be removed and the surface dampened just prior to casting of concrete against construction joints.
End sections 1 & 7 shall be poured monolithically with wingwalls.
Footings for wingwalls shall be poured seperately.
Copper Flashing shall be used continuously along all construction joints, except along those at wingwall footings.
Bar reinforcement is detailed to allow sections to be poured in the following order:
1. Section 4
2. Sections 3 & 5
3. Sections 2 & 6
4. Sections 1 & 7

REFERENCE DRAWINGS:

Channel Location	P1
General Plan	P2
Culvert Reinforcement	P4
Wingwall & Footing Reinforcement	P5
Bar Schedule	P6

Prepared and Recommended:
E.H. HARLOW, VICE PRES. N.Y. STATE P. E. LIC. NO. 20747 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: A. Frankyn
Checked by: Romo-Leroux
Traced by: Reynolds
Tracing Chk by: J. Davison

MOHAWK THRUWAY
OVER POENTIC KILL
STATION 6056+83.5
SCHENECTADY CO.

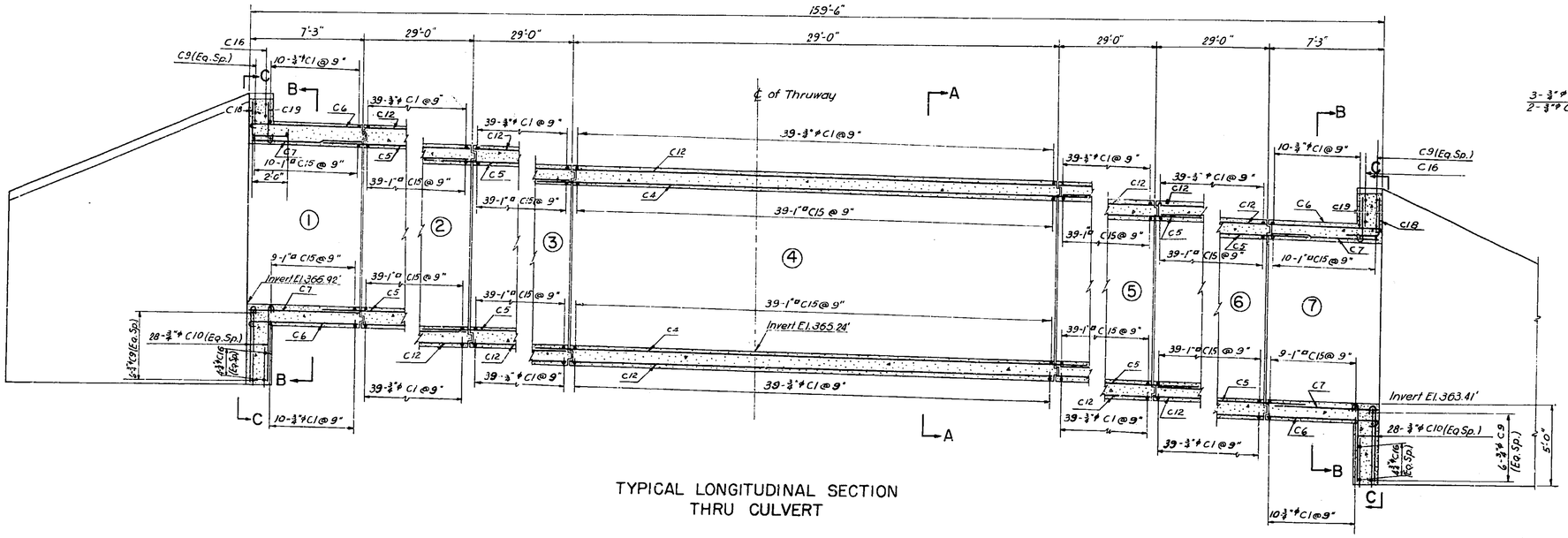
MASONRY

SCALE AS SHOWN

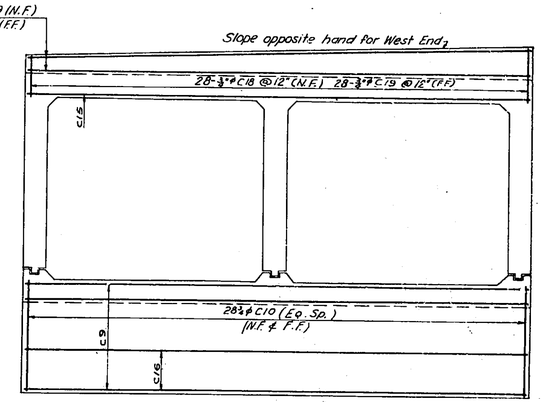
DWG. NO 48!-3-10E-1103

M.T. 58-3 S.T 58-7

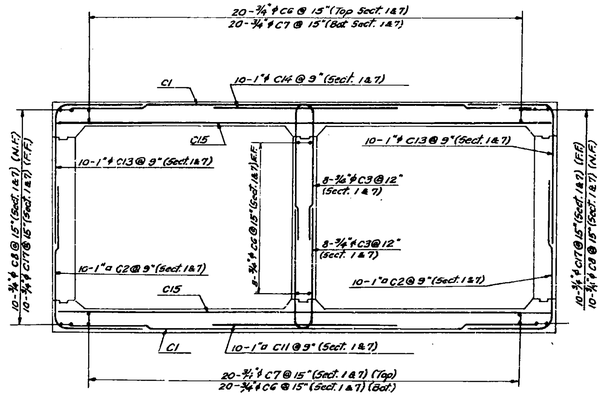
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			110	157
N. Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				



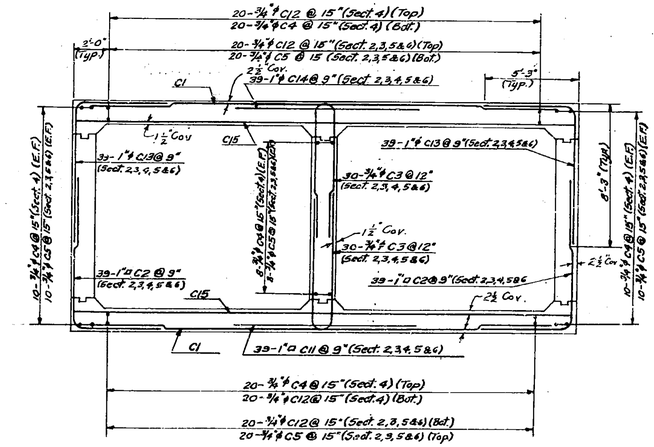
TYPICAL LONGITUDINAL SECTION
THRU CULVERT



ELEVATION C-C



SECTION B-B
(TYPICAL FOR END SECTIONS
1 & 7)



SECTION A-A
(TYPICAL FOR MIDDLE SECTIONS
2, 3, 4, 5 & 6)

NOTES

Placing dimensions given center to center of bars, unless noted.
Concrete cover for reinforcement shall be as shown.
For design purposes, the foundation presure under the barrell is assumed not to exceed 2½ Tons per square foot.

REFERENCE DRAWINGS

General Plan ____ P2
Masonry ____ P3
Wingwalls & Footings Reinforcement ____ P5
Bar Schedule ____ P6

MOHAWK THRUWAY
OVER POENTIC KILL
STATION 6056+83.5
SCHENECTADY CO.

BARREL REINFORCEMENT
SCALE: ¼"=1'-0"

DWG. NO. 481-3-10 E-1104

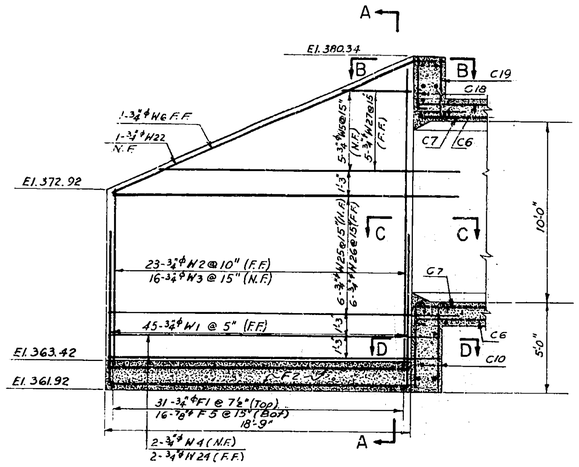
Prepared and Recommended:
E. H. HARLOW VICE PRES. N. Y. STATE P. E. LIC. NO. 20747
DATE July 15 '59
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N. Y.

In Charge of: R. Harris
Made by: A. Franken
Checked by: Roma-Leroux
Traced by: J. Reynolds
Tracing Chk by A. Torun

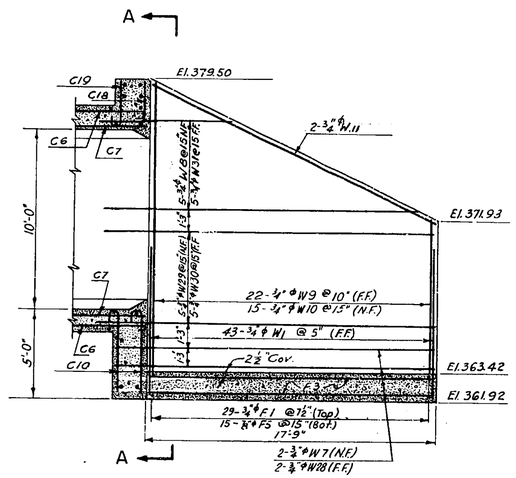
M.T. 53-3 S.T 53-7

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			111	157

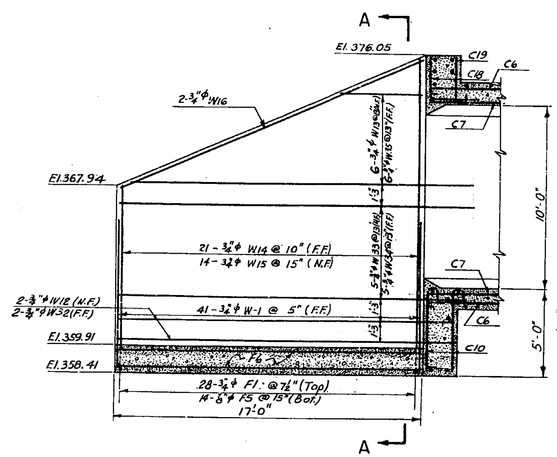
N.Y. STATE THRUWAY— MOHAWK SECTION—SUB DIV. 1



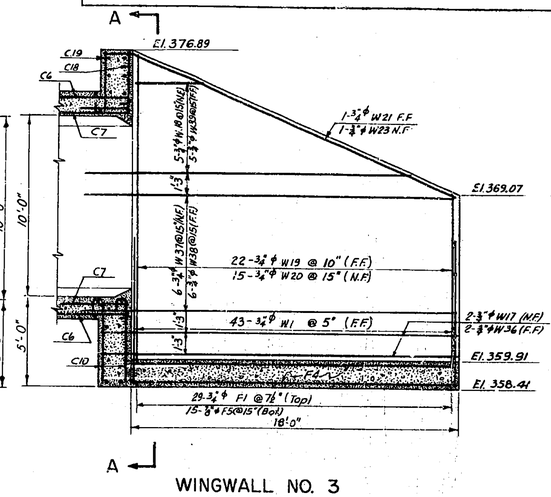
WINGWALL NO. 1
(SOUTH ELEVATION)
Scale: ¼"-1'-0"



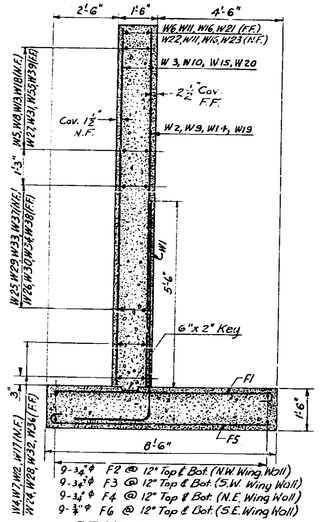
WINGWALL NO. 2
(NORTH ELEVATION)
Scale: ¼"-1'-0"



WINGWALL NO. 4
(NORTH ELEVATION)
Scale: ¼"-1'-0"

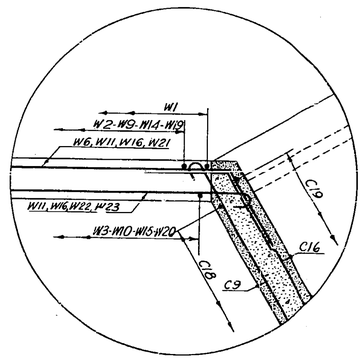


WINGWALL NO. 3
(SOUTH ELEVATION)
Scale: ¼"-1'-0"

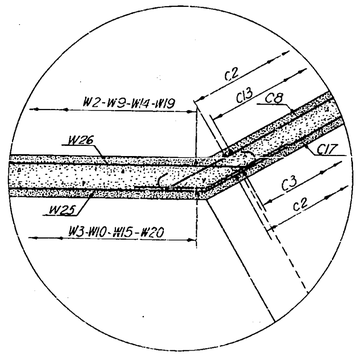


9-¾"ϕ F2 @ 12" Top & Bot. (N.W. Wing Wall)
9-¾"ϕ F3 @ 12" Top & Bot. (S.W. Wing Wall)
9-¾"ϕ F4 @ 12" Top & Bot. (N.E. Wing Wall)
9-⅝"ϕ F6 @ 12" Top & Bot. (S.E. Wing Wall)

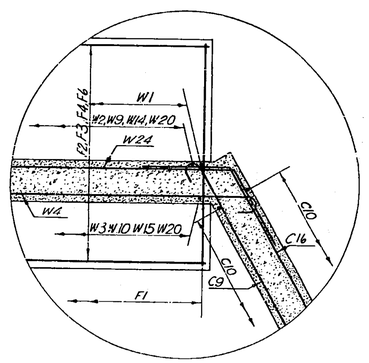
SECTION A-A
(TYPICAL FOR ALL WINGWALLS)
Scale: ⅜"-1'-0"



SECTION B-B
(TYPICAL FOR ALL WINGWALLS)
Scale: ⅜"-1'-0"



SECTION C-C
(TYPICAL FOR ALL WINGWALLS)
Scale: ⅜"-1'-0"



SECTION D-D
(TYPICAL FOR ALL WINGWALLS)
Scale: ⅜"-1'-0"

NOTES

Placing dimensions given center to center of bars, except as noted.
Concrete cover for reinforcement shall be as shown.
For design purposes the foundation pressure under the wingwall footings is assumed not to exceed 2½ Tons per square foot.

REFERENCE DRAWINGS

General Plan ____ P2
Masonry ____ P3
Culvert Reinforcement ____ P4
Bar Schedule ____ P6

MOHAWK THRUWAY
OVER POENTIC KILL
STA. 6056+83.5
SCHENECTADY COUNTY

WINGWALL & FOOTING REINFORCEMENT
SCALE: AS SHOWN

Prepared and Recommended:
E. H. HARLOW, VICE PRES. N.Y. STATE P.E. LIC. NO. 20741 DATE 1-24-58
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

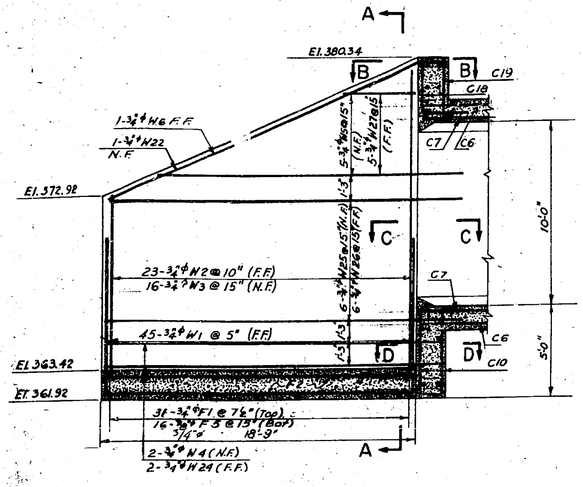
In Charge of: R Harris
Made by: A Franken
Checked by: Romo-Leroux
Traced by: J Lee
Tracing Chk by: A Toryn

DWG. NO. 481-3-10E-1105

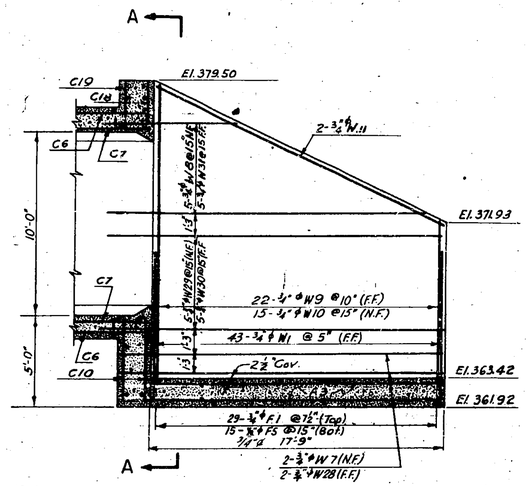
COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			111	157

N. Y. STATE THRUWAY— MOHAWK SECTION—SUB DIV. 1

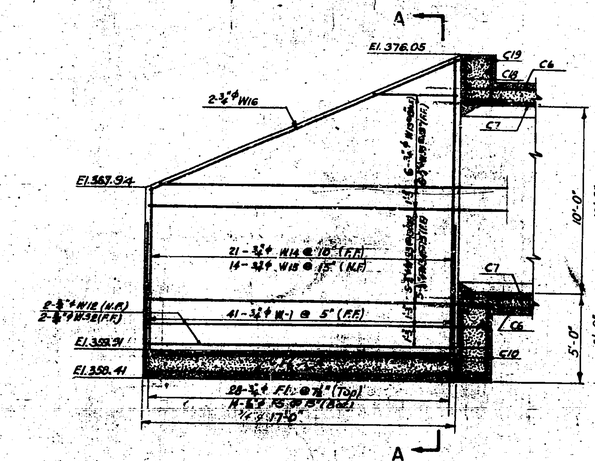
111R



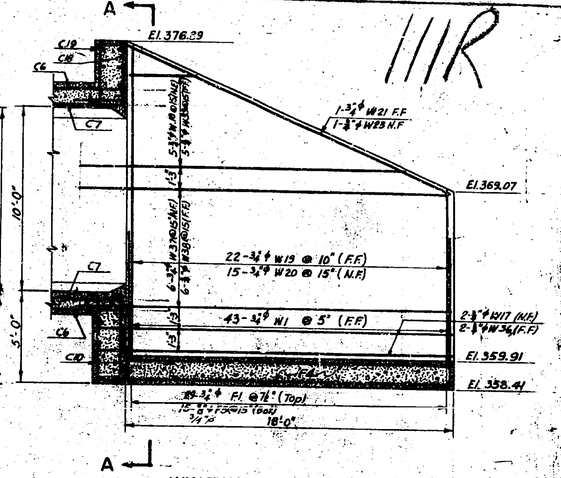
WINGWALL NO. 1
(SOUTH ELEVATION)
Scale: ¼"-1'-0"



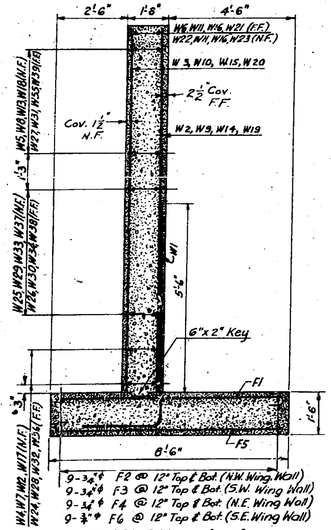
WINGWALL NO. 2
(NORTH ELEVATION)
Scale: ¼"-1'-0"



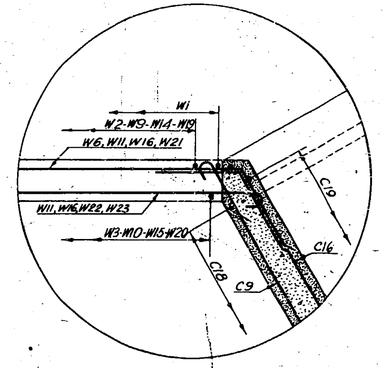
WINGWALL NO. 4
(NORTH ELEVATION)
Scale: ¼"-1'-0"



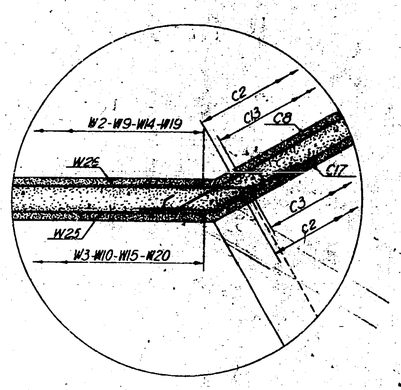
WINGWALL NO. 3
(SOUTH ELEVATION)
Scale: ¼"-1'-0"



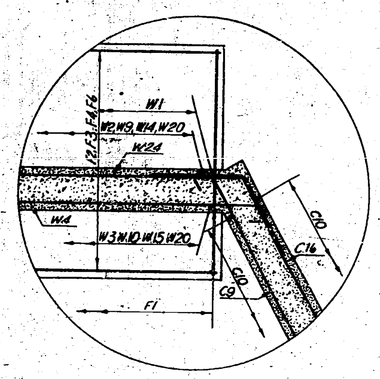
SECTION A-A
(TYPICAL FOR ALL WINGWALLS)
Scale: ⅜"-1'-0"



SECTION B-B
(TYPICAL FOR ALL WINGWALLS)
Scale: ⅜"-1'-0"



SECTION C-C
(TYPICAL FOR ALL WINGWALLS)
Scale: ⅜"-1'-0"



SECTION D-D
(TYPICAL FOR ALL WINGWALLS)
Scale: ⅜"-1'-0"

NOTES

Placing dimensions given center to center of bars, except as noted.
Concrete cover for reinforcement shall be as shown.
For design purposes the foundation pressure under the wingwall footings is assumed not to exceed 2½ Tons per square foot.

REFERENCE DRAWINGS

General Plan ——— P2
Masonry ——— P3
Culvert Reinforcement ——— P4
Bar Schedule ——— P6

MOHAWK THRUWAY
OVER POENTIC KILL
STA. 6056+63.5
SCHENECTADY COUNTY

WINGWALL & FOOTING REINFORCEMENT
SCALE: AS SHOWN

DWG. NO. 481-3-10E-1105

Prepared and Recommended:
E.H. HARLOW, VICE PRES. N. Y. STATE P. E. LIC. NO. 20747
DATE 1-21-63
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: A. Franken
Checked by: Romo-Leroux
Traced by: J. Lee
Tracing Chk by: A. Torun

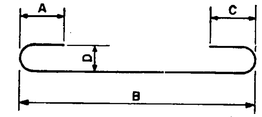
24:1

M.T. 53-3 S.T 53-7

COUNTY			SHEET NO.	TOTAL SHEETS
SCHENECTADY			112	157
N.Y. STATE THRUWAY—MOHAWK SECTION—SUB DIV. 1				

LOCATION OF BARS	MARK	SIZE	NO. REQ'D.	LENGTH	TYPE	A	B	C	D	E	F	R	REMARKS
WINGWALLS NO. 1, 2, 3 & 4	W1	¾"Ø	132	9'-8"	III	7'-5"	2'-3"						
	W2	¾"Ø	23	16'-7" 9'-1"	Str.								Δ = 4'8"
	W3	¾"Ø	16	16'-7" 9'-1"	Str.								Δ - 6"
	W4	¾"Ø	2	20'-6"	I	8"	19'-10"		6"				
	W5	¾"Ø	5	19'-6" 9'-6"	III	3'-0"	16'-6" 6'-6"		1'-10⅛"				Δ = 2'-6"
	W6	¾"Ø	1	23'-8"	IV	3'-0"	20'-8"		2'-4½"				
	W7	¾"Ø	2	19'-6"	I	8"	18'-10"		6"				
	W8	¾"Ø	5	19'-6" 10'-0"	III	3'-0"	16'-8" 7'-0"		1'-10⅛"				Δ = 2'-5"
	W9	¾"Ø	22	13'-9" 8'-1"	Str.								Δ = 4⅜"
	W10	¾"Ø	15	13'-9" 8'-1"	Str.								Δ = 6⅜"
	W11	¾"Ø	2	19'-0"	Str.								
	W12	¾"Ø	2	18'-9"	I	8"	18'-1"		6"				
	W13	¾"Ø	6	19'-5" 10'-5"	III	3'-0"	16'-5" 7'-5"		1'-6"				Δ = 1'-10"
	W14	¾"Ø	21	13'-8" 8'-5"	Str.								Δ = 4¼"
	W15	¾"Ø	14	14'-3" 8'-5"	Str.								Δ = 7"
	W16	¾"Ø	2	18'-2"	Str.								
	W17	¾"Ø	2	19'-9"	I	8"	19'-1"		6"				
	W18	¾"Ø	5	18'-11" 9'-9"	III	3'-0"	16'-11" 6'-9"		1'-6"				Δ = 2'-3½"
	W19	¾"Ø	22	16'-8" 8'-10"	Str.								Δ = 4½"
	W20	¾"Ø	15	16'-8" 8'-10"	Str.								Δ = 6¾"
	W21	¾"Ø	1	23'-6"	IV	3'-0"	20'-6"		2'-7⅛"				
	W22	¾"Ø	1	21'-11"	I	8"	21'-3"		6"				
	W23	¾"Ø	1	21'-4"	I	8"	20'-8"		6"				
	W24	¾"Ø	2	22'-4"	IV	3'-0"	19'-4"		2'-5⅛"				
	W25	¾"Ø	6	21'-7"	III	3'-0"	18'-7"		1'-10⅛"				
	W26	¾"Ø	6	20'-11"	I	8"	20'-3"		6"				
	W27	¾"Ø	5	18'-10" 8'-10"	I	8"	18'-2" 8'-2"		6"				Δ = 2'-6"
	W28	¾"Ø	2	21'-4"	IV	3'-0"	18'-4"		2'-5⅛"				
	W29	¾"Ø	5	20'-7"	IV	3'-0"	17'-7"		1'-10⅛"				
	W30	¾"Ø	5	19'-11"	I	8"	19'-3"		6"				
	W31	¾"Ø	5	19'-0" 9'-4"	I	8"	18'-4" 8'-8"		6"				Δ - 2'-5"
	W32	¾"Ø	2	20'-7"	III	3'-0"	17'-7"		2'-7⅛"				
	W33	¾"Ø	5	19'-10"	III	3'-0"	16'-10"		1'-6"				
	W34	¾"Ø	5	19'-2"	I	8"	18'-6"		6"				
	W35	¾"Ø	6	18'-9" 9'-7"	I	8"	18'-1" 8'-11"		6"				Δ - 1'-10"
	W36	¾"Ø	2	21'-7"	III	3'-0"	18'-7"		2'-7⅛"				
	W37	¾"Ø	6	20'-10"	III	3'-0"	17'-10"		1'-6"				
	W38	¾"Ø	6	20'-2"	I	8"	19'-6"		6"				
	W39	¾"Ø	5	18'-3" 9'-1"	I	8"	17'-7" 8'-5"		6"				Δ = 2'-3½"
FOOTINGS 1, 2, 3 & 4	F1	¾"Ø	114	8'-8"	I	8"	8'-0"		6"				
	F2	¾"Ø	18	18'-3"	Str.								
	F3	¾"Ø	18	17'-3"	Str.								
	F4	¾"Ø	18	17'-6"	Str.								
	F5	½"Ø	60	8'-8"	I	8"	8'-0"		6"				
	F6	¾"Ø	18	16'-6"	Str.								

LOCATION OF BARS	MARK	SIZE	NO. REQ'D.	LENGTH	TYPE	A	B	C	D	E	F	R	REMARKS
CULVERT REINFORCEMENT	C1	¾" ▭	430	27'-3"	Str.								
	C2	1" ▭	430	13'-0"	II	8'-0"	5'-0"					20°	
	C3	¾"Ø	932	15'-0"	I	7'-6"	7'-6"		9"				
	C4	¾"Ø	96	33'-0"	Str.								
	C5	¾"Ø	384	31'-0"	Str.								
	C6	¾"Ø	112	7'-5"	I	8"	6'-9"		6"				
	C7	¾"Ø	80	6'-9"	Str.								
	C8	¾"Ø	40	8'-8"	I	8"	8'-0"		6"				
	C9	¾"Ø	18	20'-7"	I	8"	27'-3"	8"	6"				
	C10	¾"Ø	112	5'-2"	I	8"	4'-6"		6"				
	C11	1" ▭	215	10'-0"	Str.								
	C12	¾"Ø	200	28'-6"	Str.								
	C13	1"Ø	430	13'-0"	II	8'-0"	5'-0"					20°	
	C14	1"Ø	215	10'-0"	Str.								
	C15	1" ▭	428	27'-3"	Str.								
	C16	¾"Ø	12	36'-6"	IV	3'-0"	27'-6"	3'-0"	2'-4⅝"				
	C17	¾"Ø	40	11'-0"	IV	3'-0"	8'-0"		1'-10⅛"				
	C18	¾"Ø	56	4'-6"	III	2'-6"	2'-0"						
	C19	¾"Ø	56	3'-2"	I	8"	2'-6"		6"				



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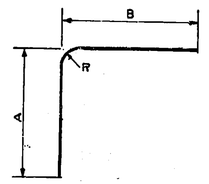

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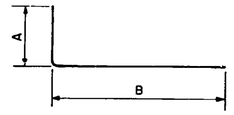

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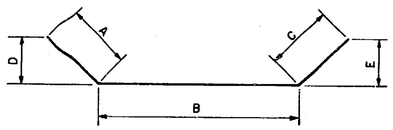


TYPE IV

MOHAWK THRUWAY
OVER POENTIC KILL
STA. 6056+83.5
SCHENECTADY COUNTY

BAR SCHEDULE

Prepared and Recommended:
E.H. Harlow
E.H. HARLOW, VICE PRES. N.Y. STATE P.E. LIC. NO. 20747
DATE 3-2-53
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: Onyszkewycz
Checked by: A. Torun
Traced by: J. Lee
Tracing Chk by: A. Torun

DWG. NO. 481-3-10E-1106

24:1

M.T. 53-3

STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
N. Y.			113	157
MOHAWK SECTION, SUB DIVISION 1				

Niagara Mohawk Power & Light Line
3 Primary lines & 1 neutral wire

5941+00 N 1,030,651.94 E 586,279.42

4" Maple Dist. 21.8'

6" Maple Dist. 14.1'

Pole Dist. 23'

Wire Clearance 21.4'

MATCH LINE

AZ. 177°-16'-00" 700.00'

40+00 41+00 42+00

STA. 44.98

PT STA. "A" 42+86 R=5000 43+00

RAMP "A"

SURVEY BASE LINE

Deepen Exist. Ditch 500'±

LIMIT OF CONTRACT

MATCH LINE

TRUE NORTH

Deepen Exist. Ditch 500'±

P.E. Map 28 Parcel 319

5951+00 N 1,029,787.84 E 585,776.11

586,000 E

1,030,000 N

@STA 5949+20.98 N 1,029,955.49 E 585,973.76

N 1,029,964.93 E 585,857.55

New Ditch

R.O.W.?

MATCH LINE

EDGE OF PAVEMENT-NORTH BOUND DRIVE

AZ. 210°-13'-10" 1,000.00'

CENTERLINE OF THRUWAY

5939 5941 5942 5947 5948 5949 5950 5952

22' 22'

EDGE OF PAVEMENT- SOUTH BOUND DRIVE

2'-2" Stone Wall

B.M. #49 Bolt in Base of 15" Ash
STA. 5938+25.00 110' R of Line
Elev. 506.065

Andr. Bann

24" RCCP

18" S.P.

Snow Hub Dist. 3.0'

AZ. 205-04-02.14

AZ. 210°-13'-10" 1,000.00'

15" S.P.

24" RCCP

Fee Map 106 Parcel 109

CURVE DATA
R = 5200
Δ = 69°-14'-33.01"
T = 3590.04
L = 6234.25

P.T. R=5200 P.T. STA. 5949+51.99

E. Morawski

R.O.W.?

Niagara Mohawk Power & Light Line
3 Primary Lines & 1 neutral wire

H.T. TRANSMISSION LINE 4 WIRES

BEGIN CONTRACT STATION 5949+75.00

PLAN

Scale: 1" = 50'

PVI
STA. 5939+85
ELEV. 493.13
V.C. 600
NO. 1.33

NORTH BOUND

SOUTH BOUND

THEORETICAL GRADE LINE

+0.560%

DATUM 450

BEGIN CONTRACT EL. 498.67
STATION 5949+75.00

STA 5954+49 EL 501.33

| | | | |

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			113	157
MOHAWK SECTION, SUB DIVISION 1					

113R

Niagara Mohawk Power & Light Line
3 Primary lines & 1 neutral wire

5941·00 N 1030,651.94 E 586,279.42

4" Maple Dist. 21.8'

6" Maple Dist. 14.1'

Pole Dist. 7.2'

Tree Clearance 21.4'

MATCH LINE

Deepen Exist. Ditch 500's

LIMIT OF CONTRACT

TRUE NORTH

P.E. Map 86 Parcel 313

5951·00 N 1,029,787.84 E 585,776.11

R.O.W.?

SURVEY BASE LINE

STA. 44.58

RAMP "A"

PT. STA. "A" 42+36 R=5000 43+00

AZ. 177°-16'-00" 700.00'

40+00 41+00 42+00

EDGE OF PAVEMENT-NORTH BOUND DRIVE

CENTERLINE OF THRUWAY

EDGE OF PAVEMENT- SOUTH BOUND DRIVE

5939 5941 5942 5943 5944 5945 5946 5947 5948 5949 5950 5952

22' 22'

B.M. #49 Bolt in Base of 15" Ash
STA. 5938+25.00 110' R of Line
OUT Elev. 506.066

Andr. Bann

2'-2" Stone Wall

586,000 E 1,030,500 N

AZ. 210°-13'-10" 1,000.00'

AZ. 205-04-02.14

AZ. 210°-13'-10" 1,000.00'

Snow Hub Dist. 3.0'

18" S.P.

24" RCCP

6" CONC. UNDERDRAIN

Sec. 106 Page 109

CONC. GUTTER

CURVE DATA
R = 5200
Δ = 69°-14'-39.01"
T = 3590.09'
L = 6284.25

P.C. STA. 5949+09.99

R=5200

E. Morawski

Niagara Mohawk Power & Light Line
3 Primary Lines & 1 neutral wire

BEGIN CONTRACT STATION 5949+75.00

H.T. TRANSMISSION LINE 4 WIRES

PVI
STA 5939+85
ELEV. 493.13
V.C. 600
M.O. 1.83

PLAN
Scale: 1" = 50'

NORTH BOUND SOUTH BOUND

THEORETICAL GRADE LINE +0.580%

BEGIN CONTRACT EL. 498.67
STATION 5949+75.00

STA 5954+49
EL 501.33

DATUM 450'

| | | | | |

M.T. 58-3

STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
N. Y.			114	157

MOHAWK SECTION, SUB DIVISION 1

MATCH LINE

Fence Row of Field Stone & Maple

TRUE NORTH

5961+00
N 1,028,923.74
E 585,272.80

PROVIDE TRENCH FOR UTILITIES.

GORDON ROAD CURVE DATA
R = 800'
Δ = 31°-00'-00.00" with Access
T = 221.86'
L = 432.84'

RELOCATED GORDON ROAD 3+00

Fee Map 10 Parcel 110

R.O.W.

E. Morawski

R.O.W. 7

Fee Map 10 Parcel 109

1,029,000 N
585,500 E

EDGE OF PAVEMENT — NORTHBOUND DRIVE

EDGE OF PAVEMENT — SOUTHBOUND DRIVE

5954 CENTERLINE OF 5956 THRUWAY 5957 5958 5959 5960 5961 5962 5964 5965 5966 5968 5969

22 22

15" S.P. 15" S.P. 12" S.P. 15" S.P.

24" RCCP (3) (4) (5) (6) (12)

AZ. 210°-13'-10" 1,000.00'

SURVEY BASE LINE

AZ. 205°-04'-02.14"

S.A.T. & T. Telephone & Cable Line

1,029,500N
585,500 E

Wire Clearance 15.1'±

Wire Clearance 25.0'±

POWER LINE

SWAMP

R.O.W. 7

AZ. 210°-13'-10" 897.32'

AZ. 265°-04'-02.14"

585,000E
1,028,500N

Fee Map 10 Parcel 111 with Access

R.O.W. 7

N 1,028,322.96
E 584,852.59

PCSTA. 8+82.26
R = 5000

9.00

Niagara Mohawk Power & Light Line
3 Primary Lines & 1 neutral Wire

B.M. = 50 Bolt in Base of 30" Ash
Sta. 5956+40.00 140' R. of Line
El. 510.076'

E. Morawski

N.Y.P.C. 2

R=800
PT STA. 4+32.84

CO. ROAD #32R 5.00

N 1,028,377.16
E 585,298.52

AZ. 223°-30'-10" 736.00'

GORDON ROAD

Fence Post Dist. 19.70'
Wire Fence & R.
Fence Post Dist. 34.30'

CO. ROAD #32R

AZ. 238°-48'-10" 100.00'

E 7+36.00
N 1,028,115.77
E 585,246.89

FOR PLAN & PROFILE OF REL. GORDON RD. CO. RD #32R SEE SHEETS NO. 115-116

New Ditch

R.O.W. 7

FOR DETAILS OF BRIDGE SEE SHEETS NO 54-68

E 8+36.00
N 1,028,063.97
E 585,160.95

Concrete Gutter

STA. 8967+31.00 = STA. 6+28.98

H.P.

MATCH LINE

24" RCCP

New Ditch

Fence Post Dist. 19.70'
Wire Fence & R.
Fence Post Dist. 34.30'

PLAN
Scale: 1" = 50'

© Relocated Gordon Rd.

NORTH BOUND SOUTH BOUND THEORETICAL GRADE LINE NORTH BOUND SOUTH BOUND +0.560%

STA 5953+48 EL. 500.76

| | | |

M.T. 53-3

STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
N. Y.			114	157

MOHAWK SECTION, SUB DIVISION 1

TRUE NORTH

MATCH LINE

E. Morawski

Fence Row of Old Stone & Maple ?

R.O.W. ?

Fee Map 106 Parcel 109

1029.500 N
585.500 E

5961+00
N 1,028,923.74
E 585,272.80

PROVIDE TRENCH FOR UTILITIES.

A.T.&T. Co. Telephone & Cable Line ?

GORDON ROAD CURVE DATA
R = 800'
Δ = 31°-00'-00.00"
T = 221.86'
L = 432.84'

REVISED

Fee Map 105 Parcel 110 with Access

RELOCATED GORDON ROAD

R.O.W. ?

CO. ROAD #32R

REVISED R = 800
PI STA. 1+32
REVISION

Fence Post Bar. Iron
N 1,029,377.16
E 586,298.52
Fence Post Bar. Iron

GORDON ROAD
Az. 227°-30'-10"
136.00'

CO. ROAD #32R
Az. 295°-18'-10"
100.00'

FOR PLAN & PROFILE OF REL. GORDON RD. CO. RD #32R SEE SHEETS Nº 115-116

New Ditch

FOR DETAILS OF BRIDGE SEE SHEETS Nº 54-68

Concrete Gutter

STA. 5967+31.00 = STA. 6+28.98

E 1+36.00
N 1,028,115.71
E 585,846.49

E 8+36.00
N 1,028,085.91
E 585,140.59

MATCH LINE

EDGE OF PAVEMENT — NORTHBOUND DRIVE

EDGE OF PAVEMENT — SOUTHBOUND DRIVE

5954 CENTERLINE OF 5956 THRUWAY 5957 5958 5959 5960 5961 5962 5964 5965 5966 5968 5969

15" S.P. 15" S.P. 12" S.P. 15" S.P.

22 22

2-4" RCCP (3) 2-4" RCCP (4) 2-4" RCCP (5) 2-4" RCCP (6) 24" RCCP (12)

AZ. 203°-04'-02.14"

AZ. 210°-13'-10" 1,000.00'

SURVEY BASE LINE

6" Conc. Underdrain

1029.500N
585.500E

R.O.W. ?

Wire Clearance 13.1'±

Wire Clearance 25.0'±

POWER LINE

SWAMP

AZ. 263°-08'-02.14"

AZ. 210°-13'-10" 897.32'

N.Y.P.&L. CORP. 2 WIRES

585.000E 1029.500N

Fee Map 105 Parcel 111 with Access

20'

R.O.W. ?

3+00

PC STA. 8+82.26
R = 5000

New Ditch

(10)

(7)

Niagara Mohawk Power & Light Line
3 Primary Lines & 1 neutral wire

B.M. ⊕ 50 Bolt in Base of 30" Ash
Sta. 5955+40.00 140' R. of Line
El. 510.076'

E. Morawski

PLAN
Scale: 1" = 50'

℄ Relocated Gordon Rd.

NORTH BOUND — SOUTH BOUND — THEORETICAL GRADE LINE — NORTH BOUND — SOUTH. BOUND — +0.560%

DATUM 460 ?

	5954	5955	5956	5957	5958	5959	5960	5961	5962	5963	5964	5965	5966	5967	5968	5969
+48	499.7															
	501.3															
+98	499.5															
	500.5															
+49	499.6															
	500.4															
	498.9															
	499.7															
+50	499.7															
	500.0															
	500.0															
	500.2															
+50	501.0															
	501.4															
	500.0															
	501.0															
+50	501.0															
	501.6															
	501.0															
	500.9															
+50	501.1															
	500.9															
	502.1															
	501.5															
+50	502.2															
	501.5															
	503.0															
+01	502.4															
	502.7															
+51	502.1															
	503.8															
+01	502.8															
	504.7															
+51	503.3															
	505.5															
+01	503.2															
	505.5															
+51	503.9															
	503.0															
+02	502.4															
	502.7															
+52	501.4															
	503.4															
+02	503.0															
	504.1															
+52	502.0															
	504.3															
+02	502.0															
	505.5															
+52	502.3															
	507.5															
+02	502.7															
	505.8															
+53	502.2															
	507.2															
+03	503.5															
	508.7															
+52	505.0															
	508.4															
+02	505.7															
	508.2															
+53	505.8															
	508.0															
+04	506.9															
																STA 5969+54
+54																EL 508.76
																508.2
																506.4

PROFILE
Scale: Hor. 1" = 50'
Vert. 1" = 10'

Prepared and Recommended:

E. H. HARLOW, V.P. N.Y. STATE P. E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N. Y.

	Made by	Traced by	Checked by
PLAN	P. Klecan	B. Kirsch	E. Kmiolek
PROFILE	P. Klecan	M.A. Pineda	E. Kmiolek

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No.

195

481-3-10A-50

S.T 53-7

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			115	157
MOHAWK SECTION, SUB DIVISION 1					

Grade and Pave
Highway Intersection with
2½" Asphalt Concrete-Optional, Item 5IC
9" Foundation Course Gravel, Item 39R

Albert & Helen Rentz

Moraski

B. Morawski

N.Y.P.&L.CORP. POWER LINE 2 WIRES

Wire Fence & ℄

TRUE NORTH

R.O.W.?

Fee Map 109 Parcel 113

Fee Map 94-1 Parcel 9

4 Strand Wire Fence

Fence Post Dist. 12.80'
Fence Post Dist. 13.70'
Fence Post Dist. 14.20'
Fence Post Dist. 20.60'
Fence Post Dist. 16.20'
Fence Post Dist. 23.70'

GORDON ROAD CO. ROAD #32R
BITUMIN MACADAM SURFACE
3' Ditch
3' Ditch

Az. 238°-48'-10"
100.00'
Az. 270°-43'-10"
214.00'

E 7+36.00
N 1,028,115.77
E 585,246.49

E 8+36.00
N 1,028,063.97
E 585,160.95

N 1,028,540.33
E 585,693.75

TRANSITION TO EXISTING PAVEMENT

E 0+00
N 1,028,612.98
E 585,789.15

24" RCCP

Az. 229°-30'-10"
736.00'

1+00
2+00
3+00
4+00

22'
10'

ROW ?
New Ditch

RELOCATED GORDON ROAD CO. ROAD #32R

24" RCCP

Fee Map 107 Parcel 110 with Access

ROW ? with Access

Morawski

1,028,300 N

505,500 E

CURVE DATA
R = 800'
Δ = 31°-00'-00.00"
T = 221.86'
L = 432.84'

R = 800'
PT. STA. 4+32.84

PRC STA. 0+00.00

BEGIN RELOCATION

50'

AT&T TELEPHONE & CABLE LINE

6" Oak Dist 25.7'
10" Red Pine Dist 42.48'
6" Oak Dist 45.70'

For Curve Widening see New York State Standard Sheet 50-1R

FOR DETAILS OF BRIDGE SEE SHEETS No. 54-6B

STA. 5967+31.00 = STA. 6+28.98

Concr. Gutter

24" RCCP

E. Morawski

Az. 205°-04'-02.14"
15"S.P.

E 10+50.00
N 1,028,066.66
E 585,946.97

5970

5969+97.32 =
E 12+00
N 1,028,148.36
E 584,821.17

Az. 263°-04'-02.14"

R.O.W.?
New Ditch

9+00
10+00
20'

Fence Post Dist. 22.00'
Fence Post Dist. 18.50'
Fence Post Dist. 21.50'

5971

Wire Fence

Az. 303°-07'-10"
100.00'

6" Maple Dist. 26.55'
3 Oaks 6"ϕ
12" Elm Dist. 20.25'
6" Oak
6" Oak
6" Oak
6" Oak
6" Oak
Old B.M. #13 El. 503.671
3 Oaks 6"ϕ
2 Oaks 10"ϕ

S.M. #51
Bolt in Base of 16" Elm
St. 9+70.66
12' R. of ℄
El. 502.31'

Remove Existing Pavement
Sta. E 8+90 to Sta. E 14+25
Item 2B Unclassified Excavation

584,500 E

1,028,000 N

E 14+34.00
N 1,028,275.82
E 584,124.93

16" Hickory Dist. 28.95'
Hickory Tree Dist. 39.75'
Twin 24" RC Pipe

Fence Row Field Stone & Brush

Az. 196°-51'-50.00"
702.68'

Grade And Pave Driveway

Fee Map 110 Parcel 114 with Access

Az. 272°-02'-10"
398.00'

24" RC Pipe (Inlet)

Creek

R.O.W.?

N 1,028,288.17
E 584,383.45

24" RCCP (New)

New Ditch

Wire Fence

Az. 268°-22'-21.44"

TRANSITION TO EXIST. PAVT

Barn

N 1,028,284.20
E 584,236.16

36" RCCP Pipe

Grade and Pave Driveway

50'

STA. 15+02 END RELOCATION

Barn

R = 5000'
PT. STA. 13+52.66

Wire Fence

NIAGARA-MOHAWK POWER & LIGHT LINE
3 prim - 1 Neutral

SURVEY BASE LINE

SWAMP

505,000 E

1,028,500 N

Az. 210°-13'-10.00"
897.32'

R.O.W.?

PC STA. 8+32.26
R = 5000'

P.E. Map 108 Parcel 112

CURVE DATA
R = 5000'
Δ = 5°-23'-25.43"
T = 235.37'
L = 470.40'

Fee Map 107 Parcel 111 with Access

Edge of Pavement - North Bound Drive
℄ of Thruway
Edge of Pavement - North Bound Drive
12" S.P.

5966

22'
22'

24" RCCP

5

6

7

8

9

10

11

12

13

PLAN

RELOCATED GORDON ROAD
COUNTY ROAD NO. 32R
Scale: 1" = 50'

NOTE: GRADE AND PAVE DRIVEWAY WITH 9" FOUNDATION COURSE GRAVEL ITEM 39R I.O.B.E.

Prepared and Recommended:

E. H. HARLOW, V.P. N.Y. STATE P.E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

	Made by	Traced by	Checked by
PLAN	P. Klecon	B. Mysak	E. Kmiotek
PROFILE			

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No.

195

GORDON ROAD 48-3-10A-75

MT 53-3 ST 53-7 RC 53-19

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			115 FC	
MOHAWK SECTION, SUB DIVISION 1-1					
GORDON ROAD TO ALBANY COUNTY LINE-SCHENECTADY CO.					

TO SUPERSEDE SHEET 115

MF 115 F

FIELD CHANGE

3-5-53

ALBERT & HELEN RENTZ

E. MORAWSKI

B. MORAWSKI

GORDON ROAD — CO. ROAD # 32 R — 21' MAC. SURFACE

RELOCATED GORDON ROAD

CENTERLINE OF THRUWAY

CO. ROAD 32 R SURVEY BASE LINE

N.Y.P.&L. Corp. Power Line 7

4 Strand Wire Fence

Fence Post - 22.00'

Fence Post - 18.50'

Fence Post - 21.50'

Grade and Pave Highway Intersection with 2½" Asphalt Concrete - Optional Item 51 M, 9" Foundation Course Gravel, Item 39 R

Transition to Existing Pav't

Sta. 1+00

E 0+00.76 N 1,028,559.05 E 585,120.41

N 1,028,517.79 E 585,196.46

PC Sta. 0+06.86 R = 900

Begin Reloc. Sta. -1+00

Sta. E 1+48.03 N 1,028,504.68 E 583,701.45

PC Sta. 0+06.86

Sta. E 3+56.90 N 1,028,372.69 E 585,548.69

Sta. E 5+26.26 N 1,028,269.90 E 585,441.49

E 7+36.10 N 1,028,127.62 E 585,256.13

E 8+36.57 N 1,028,079.89 E 585,167.73

E 10+50.00 N 1,028,079.25 E 584,954.30

P.I. 900 N 1,028,404.30 E 585,521.12

Sta. 5967+31.00 = Sta. 6+28.98

Az. 230°-07'-33.50" 735.34'

Az. 263°-29'-21" 213.49'

Az. 205°-24'-02.14" 15°S.P.

Az. 198°-51'-30.00" 702.60'

Az. 284°-28'-10" 516.00'

Az. 210°-15'-10.0" 997.32'

Az. 266°-04'-08.14"

Az. 292°-58'-10" 75.00'

Sta. 5969+97.32 = Sta. E 12+00.00 N 1,028,148.36 E 584,821.17

Sta. E 12+52.78 N 1,028,172.66 E 584,774.36

Sta. E 13+91.19 N 1,028,231.84 E 584,650.36

Sta. E 14+34.66 N 1,028,246.18 E 584,546.38

Sta. E 15+01.39 N 1,028,258.03 E 584,546.38

Sta. E 15+51.71 N 1,028,243.18 E 584,368.64

Sta. E 16+79.18 N 1,028,241.08 E 584,369.77

Sta. E 18+58.17 N 1,028,230.06 E 584,190.12

Sta. E 1+41.30 N 1,028,573.06 E 585,789.36

Begin Reloc. Sta. -1+00

Scale: 1"=6'

Scale: 1"=20'

Scale: 1"=5'

Scale: 1"=10'

CURVE DATA
R = 900'
Δ = 26°-04'-12.99"
T = 208.36'
L = 409.51'

For Curve Widening see N.Y.S. Standard Sheet 50-1R

CURVE DATA
R = 5000'
Δ = 3°-33'-35.92"
T = 155.64'
L = 311.18'

CURVE DATA
R = 5000'
Δ = 4°-06'-19.77"
T = 179.21'
L = 358.27'

Fee Map 107A-1 Parcel 110 With Access

Fee Map 106A-1 Parcel 109

Fee Map 108A-1 Parcel 111 With Access

Fee Map 108A-1 Parcel 112

Fee Map 109 Parcel 113

Fee Map 356 Parcel 395

Fee Map 9 R-1 Parcel 9

Fee Map 110A-1 Parcel 114 With Access

Remove Existing Pavement Sta. E 8+90 to Sta. E 14+25 Item 28 Unclassified Excavation

Grade And Pave Driveway

Grade and Pave Driveway

Fence Row Field Stone & Brush

Creek

Swamp

Barn

Wire Fence

Power Line

Telephone Line

Cable Line

NIAGARA-MOHAWK P. & L. Line 3 Perm. - 1 Neutral

N 1,028,275.17 E 584,546.86 R = 5000

Pt. Sta. 15+51.71 End Relocation

Pt. Sta. 14+51.71

Transition to Existing Pav't

Sta. 585.000 E

1,028.000 N

585.500 E

1,028.500 N

585.000 E

1,028.500 N

NOTE: Grade and pave driveway 9" foundation course gravel Item 39 R I.O.B.E.

PLAN

RELOCATED GORDON ROAD
COUNTY ROAD NO. 32 R
Scale: 1" = 50'

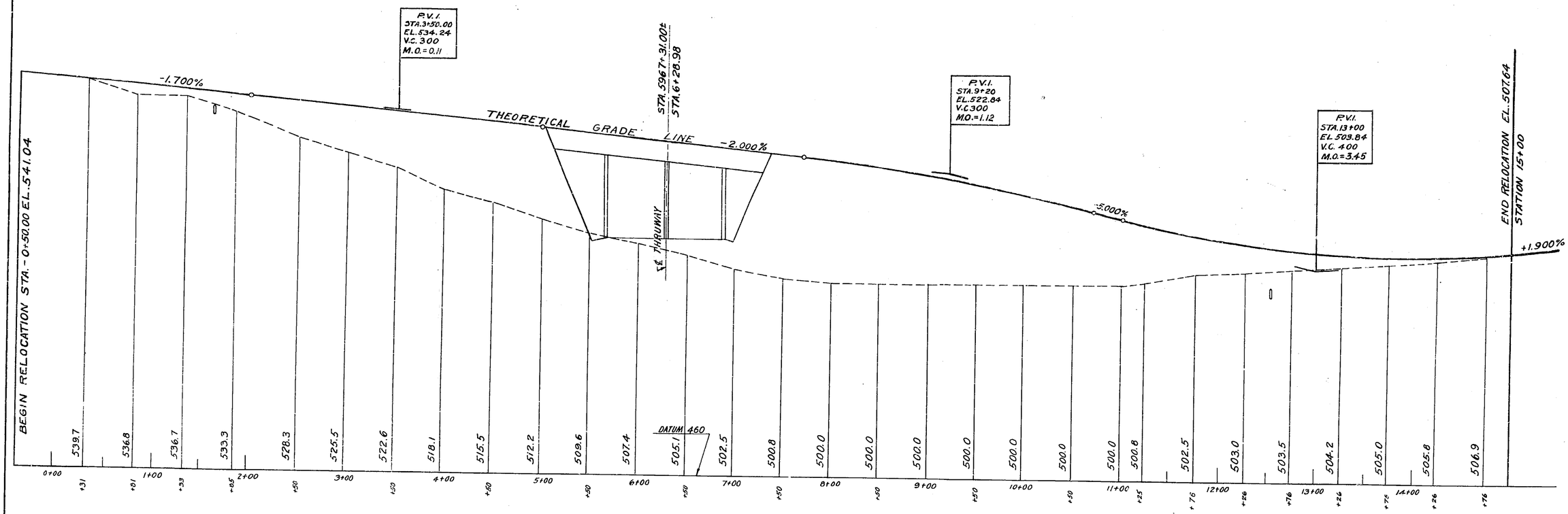
Prepared and Recommended:
E. N. Harlow
E. N. HARLOW, V. P. — N. Y. STATE P. E. LIC. NO. 20747
May 12, '53 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N. Y.

	Made by	Traced by	Checked by
PLAN	E.D. Jones	R.A. Campos	A.J. Manfredi
PROFILE			

Prepared Pursuant to the Highway Law and Recommended by
Engineer Dist. No.
8/12 1955

S.T 53-7

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			116	157
MOHAWK SECTION, SUB DIVISION 1					



PROFILE

RELOCATED GORDON ROAD

COUNTY ROAD NO. 32R

Scale: Hor. 1"= 50'
Vert. 1"=10'

Prepared and Recommended:

E. H. HARLOW, V. C. N.Y. STATE P. E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N. Y.

	Made by	Traced by	Checked by
PLAN			
PROFILE	A. Monfredi	S. Melzger	E. Kmiotek

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No.

195

481-3-12-76

MT 53-3 ST 53-7 RC 53-19

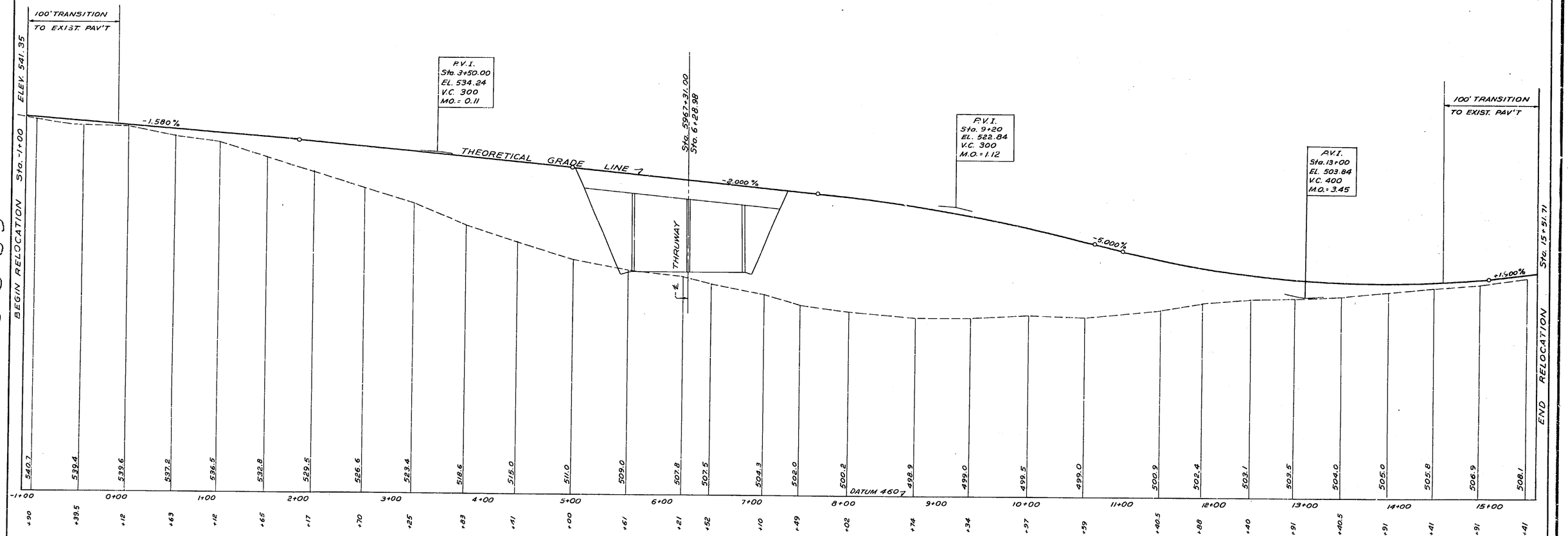
	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			116F	

MOHAWK SECTION, SUB DIVISION 1-1
GORDON ROAD TO ALBANY COUNTY LINE - SCHENECTADY CO.

TO SUPERSEDE SHEET 116
MF 116 F

3-5-53

FIELD CHANGE



PROFILE

RELOCATED GORDON ROAD
COUNTY ROAD NO. 32 R
Scale: Hor. 1"=50'
Vert. 1"=10'

Prepared and Recommended:
E. H. Harlow
E. H. HARLOW, V. P. N. Y. STATE P. E. LIC. NO. 20747
May 12, '53
DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N. Y.

	Made by	Traced by	Checked by
PLAN			
PROFILE	E.D. Jones	R.A. Campos	A.J. Manfredi

Prepared Pursuant to the Highway Law and Recommended by
M. Thomas
Engineer Dist. No.
8/17 1955

M.T. 53-3

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			11T	157
MOHAWK SECTION, SUB DIVISION 1					

TRUE NORTH

585,000 E
1,027,500 N

B. Morawski

E 7+36.00
N 1,028,115.77
E 585,246.49

GORDON ROAD

Az 225°-30'-10"
136.00'

Fence Post Dist. 27.80'
Fence Post Dist. 19.70'
Fence Post Dist. 34.20'
Fence Post Dist. 20.60'
Fence Post Dist. 16.20'
Fence Post Dist. 23.70'

E 8+36.00
N 1,028,063.97
E 585,160.95

CO. ROAD No. 32R

W. Fence

Az 220°-43'-10"
214.00'

MATCH LINE

R.O.W.?

Fee Map Liber 9 Parcel 113

B.M. #51 Bolt in base of 12" elm
Sta. 5970+16.00 12'R. of line
Elev. 502.311

5969+97.32
N 1,026,148.36
E 584,821.17

5977+00
N 1,027,476.96
E 584,617.32

BEGIN SPLIT RDWY.
N.B. P.C. STA. 5972+09.84
R=6000'

S.B. P.C. STA. 5976+11.50
R=6725'

N.B. CURVE DATA
R = 6000'
Δ = 33°-52'-21.59"
T = 2436.13
L = 4729.52

S.B. CURVE DATA
R = 6725'
Δ = 33°-52'-21.59"
T = 2047.87
L = 3975.75

Map 9 R-1 Parcel 9

EDGE OF PAVEMENT — NORTHBOUND DRIVE

EDGE OF PAVEMENT — SOUTHBOUND DRIVE

4 Strand Wire Fence
Brush, Maple & Elm up to 18"

Concrete Gutter

15" S.P.

18" S.P.

24" RCCP

Az. 205°-04'-02.14"

E 10+30.00
N 1,028,066.66
E 584,946.97

Fence Post Dist. 22.00'
Fence Post Dist. 18.50'
Fence Post Dist. 21.50'

Note:
Provide Trench Culvert & Bridge Excavation, Item 3, for Utilities A.O.B.E.

E. Morawski

Az 303°-10'-10"
150.00'

Az 210°-13'-10"
89.32

E 12+00
N1,028,148.38
E584,821.17

6" Maple - Dist. 26.55' 3 oaks 6" ø
12" Elm - Dist. 20.25'
B.M. # 51
6" Oak
8" Oak
10" Elm - Dist. 34.68'
6" Oak
Old B.M. #13 El. 503.671
4" Oak
8" Oak

Az 303°-10'-10"
234.00'

N 1,027,910.43
E 584,920.87
164.43'
90°

STA 5971+96.10
N 1,027,958.13
E 584,765.50

SURVEY BASE LINE ?

Az 196°-51'-50"
702.68'

Az 196°-51'-50"
942.00'

90°

Snow Hub Dist. 3.00'
Snow Hub Dist. 3.00'
Snow Hub Dist. 3.00'

Fence Row Field Stone & Brush

N 1,027,565.24
E 584,710.84
STA. 5975+87.37

N 1,027,583.69
E 584,650.00

584,500 E
1,027,000 N

Fence Row Wire Fence Stone, Elm & Maple

MATCH LINE

PLAN
Scale: 1"=50'

P.V.I.
STA 5975+32
EL. EV. 512.99
V.C. 600
M.O. 1.28

ROADWAY BEGINS
STA 5972+09.84

SPLIT STA 5143+09.84

STA 5968+53
EL. 509.19

+0.560%

NORTH BOUND

THEORETICAL GRADE LINE -0.720%

STA 5984+68
EL. 506.25

DATUM 495

| | | | | |

M.T. 53-3

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			118	157
MOHAWK SECTION, SUB DIVISION 1					

5986+42.00
N 1,025,574.41
E 584,344.05

TRUE NORTH

584,500 E

1026,000 N

Fee Map 111 Parcel 118 With Access

5993+50.00
N 1025,895.86
E 584,138.66

Fee Map 112 Parcel 117 With Access

Fee with Access

16" RELOCATED GAS PIPELINE

Wire Fence

MATCH LINE

R.O.W.

B. Morawski

C. Richter

N.B. CURVE DATA
P = 3000'
Δ = 33°-52'-21.59"
T = 2436.13
L = 4729.52

S.B. CURVE DATA
P = 6725'
Δ = 33°-32'-21.59"
T = 2047.87
L = 3975.75

584,500 E

1026,500 N

Fee Map 10R-1 Parcel 10

EDGE OF PAVEMENT— NORTHBOUND DRIVE

EDGE OF PAVEMENT— SOUTHBOUND DRIVE

SURVEY BASE LINE

18" S.P.

2.4" RCCP

(17) (18) (19)

AZ. 196°-51'-50"
942.00'

AZ. 196°-51'-50"
708.00'

AZ. 178°-19'-10"
650.00'

B.M. # 52 Bolt in base of 18" elm
Sta. 5985+62.00 35' left of line
Elev. 496.014'

10" Pine Dist. 23.90'

6" Pine Dist. 7.30'

6" Pine Dist. 9.00'

B.M. # 53 Bolt in base of 15" oak
Sta. 5994+00 40' left of line
Elev. 488.932'

@ Sta. 5995+27.85
N 1,025,719.08
E 584,143.88

@ Sta. 5995+35.69
N 1,025,711.25
E 584,144.11

Snow Hub Dist. 7.00'

Snow Hub Dist. 7.00'

Snow Hub Dist. 7.00'

New Ditch

Stream

255.41'

300.81'

90°

90°

P.V.I.
STA. 5994+85
ELEV 498.93
V.C. 600
M.O. 0.73

N.B. P.I. N1,025,703.76 E583,888.72

S.B. P.I. N1,025,710.26 E583,843.19

584,000 E

1025,500 N

PLAN

Scale: 1" = 50'

-0.720%

NORTH BOUND THEORETICAL GRADE LINE

STA. 5983+67 ELEV 506.98'

STA. 5999+81 ELEV 490.50'

-1.700%

DATUM 480'

NORTH BOUND DRIVE

-1.170%

SOUTH BOUND THEORETICAL GRADE LINE

STA. 5983+79 ELEV 493.30'

STA. 5999+75 ELEV 484.41'

DATUM 480'

SOUTH BOUND DRIVE

PROFILE

Scale: Hor. 1" = 50'
Vert. 1" = 10'

Prepared and Recommended:

E.H. HARLOW, V. P. N.Y. STATE P.E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

	Made by	Traced by	Checked by
PLAN	P. Klecan	B. Kirsch	E. Kmiotek
PROFILE	P. Klecan	M.A. Pineda	E. Kmiotek

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No.

195

481-3-10A-52

M.T. 53-3

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			118	157

MOHAWK SECTION, SUB DIVISION 1

118R

TRUE NORTH

MATCH LINE

R.O.W.

5986+42.00
N 1,026,574.41
E 584,344.05

1026.500N
584,500 E

N.B. CURVE DATA
R = 8000'
Δ = 33°-52'-21.59"
T = 2436.13
L = 4729.52

S.B. CURVE DATA
R = 6725'
Δ = 33°-52'-21.59"
T = 2047.67
L = 3975.72

B. Morawski

Fee Map 111 Parcel 112 With Access

5995+50.00
N 1025,896.86
E 584,138.66

Fee with Access

16" RELOCATED GAS PIPELINE

Fee Map 118 Parcel 117 With Access

Wire fence

C. Richter

Fee Map 108-1 Parcel 10

EDGE OF PAVEMENT— NORTHBOUND DRIVE

5984 5985 5986 5987 5988 5989 5990 5991 5992 5993 5994 5995 5996 5997 5998 5999

18" S.P. 24" RCCP (17)

B.M. #52 Bolt in base of 18" elm Sta. 5985+62.00 35' left of line Elev. 496.014'

AZ. 196°-51'-50" 942.00'

10" Pine Dist. 23.90'
6" Pine Dist. 7.30'
6" Pine Dist. 9.00'

24" RCCP (18)

AZ. 196°-51'-50" 708.00'

SURVEY BASE LINE

EDGE OF PAVEMENT— SOUTHBOUND DRIVE

B.M. #53 Bolt in base of 15" oak Sta. 5994+00 40' left of line Elev. 488.992'

Snow Hub Dist. 7.00'

N 570,599.27.35
N 1025,778.00
E 584,143.38

N 570,599.45.69
N 1025,771.25
E 584,144.8

AZ. 178°-19'-10" 650.00'

24" RCCP (19)

New Ditch

Wire Fence

584,000 E
1025,500 N

Stream

255.49'
300.31'

P.V.I. -
STA. 5994+85
ELEV. 498.93
V.C. 600
M.O. 0.75

N.B. Pl N1,025,703.76 E583,888.72

S.B. Pl N1,025,710.26 E583,843.19

Fee Map 111 Parcel 116 With Access

Fee With Access

PLAN

Scale: 1" = 50'

-0.720%

NORTH BOUND THEORETICAL GRADE LINE

STA. 5983+67
ELEV. 506.98'

497.2 498.0 497.0 496.6 496.9 496.4 496.0 495.8 495.0 495.7 495.5 495.7 495.8 496.6 495.5 495.4 495.0 495.1 496.8 496.0 495.3 494.1 494.3 494.4 494.0 493.3 492.2 491.7 491.0 491.2 491.5 493.7 493.1 494.3

DATUM 480

5984 5985 5986 5987 5988 5989 5990 5991 5992 5993 5994 5995 5996 5997 5998 5999

+67 +17 +68 +17 +68 +16 +67 +17 +67 +17 +67 +18 +68 +18 +68 +18 +69 +19 +70 +19 +25 +73 +24 +76 +27 +78 +28 +79 +29 +80 +29 +80 +30 +81

STA. 5999+81
ELEV. 490.50'

-1.700%

NORTH BOUND DRIVE

-1.170%

SOUTH BOUND THEORETICAL GRADE LINE

STA. 5983+78
ELEV. 503.10'

493.0 494.1 493.0 492.5 492.4 492.0 490.0 490.0 491.4 490.7 489.7 490.5 490.8 490.8 490.0 490.0 489.4 488.5 488.8 487.8 487.2 487.0 486.8 486.8 486.6 487.9 486.8 486.8 486.2 485.2 484.5 484.0 484.7

DATUM 480

5984 5985 5986 5987 5988 5989 5990 5991 5992 5993 5994 5995 5996 5997 5998 5999

+79 +27 +78 +27 +77 +26 +76 +27 +77 +28 +78 +28 +78 +28 +78 +26 +78 +29 +79 +29 +67 +16 +68 +19 +69 +21 +71 +22 +73 +24 +74 +25 +75

STA. 5999+75
ELEV. 484.41'

SOUTH BOUND DRIVE

PROFILE

Scale: Hor. 1" = 50'
Vert. 1" = 10'

Prepared and Recommended:

E.H. HARLOW, V.P. N.Y. STATE P.E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

	Made by	Traced by	Checked by
PLAN	P. Klecan	B. Kirsch	E. Kmiotek
PROFILE	P. Klecan	M.A. Pineda	E. Kmiotek

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No.

195

491-3-10A-52

M.T. 53-3

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			119	157
MOHAWK SECTION, SUB DIVISION 1					

6,000+00 N 1,025,247.14 E 584,157.72

6,003+50.00 N 1,024,897.29 E 584,167.98

6010+50.00 N 1,024,197.59 E 584,188.51

TRUE NORTH

Fee Map 11-2 Parcel 112 with Access

Fee with Access

16" RELOCATED GAS PIPELINE

R.O.W.

C. Richter

MATCH LINE

N.B. CURVE DATA
R = 8000'
Δ = 33°-52'-21.59"
T = 2436.13
L = 4729.52

S.B. CURVE DATA
R = 6725'
Δ = 33°-52'-21.59"
T = 2047.87
L = 3975.75

B.M. • 54 Bolt in base of 18" oak Sta. 6004+42.00 96' left of line Elev. 482.863'

Fee Map 10R-1 Parcel 10

R.& wire fence

Wire Fence

W. Kwiatkowski

Fee Map 11-3 Parcel 118

36" Elm Dist. 51.75'

EDGE OF PAVEMENT — NORTHBOUND DRIVE

EDGE OF PAVEMENT — SOUTHBOUND DRIVE

SURVEY BASE LINE

AZ. 178°-19'-10" 650.00'

AZ. 178°-19'-10" 350.00'

AZ. 178°-19'-10" 700.00'

AZ. 176°-09'-00" 250.00'

Snow Hub Dist. 3.00'

13" Apple Dist. 36.35'

6" Elm Dist. 47.00'

18" Oak Dist. 56.50'

24" RCCP

Gully

New Ditch

584,000 E

1,025,000 N

1,024,500 N

1,024,000 N

PLAN
Scale: 1" = 50'

P.V.I.
STA. 6012+40
ELEV. 469.10'
V.C. 600'
M.O. 0.85'

-1.700%

NORTH BOUND THEORETICAL GRADE LINE

STA. 5998+80 ELEV. 492.22'

STA. 6014+32 ELEV. 468.13'

DATUM 455

NORTHBOUND DRIVE

P.V.I.
STA. 6012+79
ELEV. 469.15'
V.C. 600'
M.O. 0.46

-1.170%

SOUTH BOUND THEORETICAL GRADE LINE

STA. 5998+74 ELEV. 485.59'

STA. 6014+29 ELEV. 468.43'

DATUM 450

SOUTHBOUND DRIVE

PROFILE
Scale: 1" = 50' Hor.
1" = 10' Vert.

Prepared and Recommended:

E. H. HARLOW, V.P. N.Y. STATE P.E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

	Made by	Traced by	Checked by
PLAN	P. Klecan	B. Kirsch	E. Kmiotek
PROFILE	P. Klecan	B. Mysik	E. Kmiotek

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No. 195

5999 - 6014 4-81-3-10A 53

M.T. 53-3

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			119	157
MOHAWK SECTION; SUB DIVISION 1					

119R

6,000+00 N 1,025,247.14 E 584,157.72

6,005+50.00 N 1,024,987.20 E 584,167.98

6010+50.00 N 1,024,197.59 E 584,188.51

TRUE NORTH

Fee Map 11 & Parcel 117 with Access

Fee with Access

16" RELOCATED GAS PIPELINE

R.O.W.

MATCH LINE

C. Richter

Fee Map 10E-1 Parcel 10

N.B. CURVE DATA
R = 8000'
Δ = 33°-52'-21.59"
T = 2436.13
L = 4729.32

S.B. CURVE DATA
R = 6725'
Δ = 33°-52'-21.59"
T = 2047.87
L = 3975.75

Wire Fence

W. Kwiatkowski

R.C.N.Y.

Fee Map 11-5 Parcel 118

36" Elm Dist. 51.75'

MATCH LINE

EDGE OF PAVEMENT — NORTHBOUND DRIVE

SURVEY BASE LINE

AZ. 178°-19'-10" 700.00'

AZ. 178°-09'-00" 750.00'

AZ. 178°-19'-10" 650.00'

AZ. 178°-19'-10" 350.00'

Snow Hub Dist. 3.00'

Snow Hub Dist. 3.00'

Snow Hub Dist. 3.00'

Snow Hub Dist. 3.00'

16" Apple Dist. 36.35'

6" Elm Dist. 42.30'

18" Oak Dist. 56.50'

Gully

24" RCCP

EDGE OF PAVEMENT — SOUTHBOUND DRIVE

New Ditch

R.O.W.

584,000 E

1,025,000 N

1,024,500 N

1,024,000 N

PLAN
Scale: 1" = 50'

P.V.I.
STA. 6012+40
ELEV. 469.10'
V.C. 600'
M.O. 0.85'

NORTHBOUND DRIVE

STA. 5998+80
ELEV. 492.22'

STA. 6014+32
ELEV. 468.13'

-1.750 %

NORTH BOUND THEORETICAL GRADE LINE

DATUM 455

493.7 493.1 494.3 494.6 494.4 493.7 491.1 490.3 490.5 491.1 488.0 485.8 483.9 481.8 479.5 477.5 475.8 474.5 473.4 472.6 472.1 471.8 471.7 471.8 472.1 472.6 473.4 474.5 475.8 477.5 479.5 481.8 483.9 485.8 488.0 491.1

+.80 5999 +.30 +.81 6000 +.31 +.81 6001 +.31 +.81 6002 +.31 +.81 6003 +.31 +.81 6004 +.32 +.32 6005 +.30 +.81 6007 +.31 +.81 6008 +.31 +.82 6009 +.30 +.81 6010 +.32 +.82 6011 +.32 +.82 6012 +.32 +.82 6013 +.33 -.83 6014 +.32

P.V.I.
STA. 6012+79
ELEV. 469.15'
V.C. 600'
M.O. 0.46

SOUTHBOUND DRIVE

STA. 5998+74
ELEV. 485.59'

STA. 6014+29
ELEV. 468.43'

-1.875 %

SOUTH BOUND THEORETICAL GRADE LINE

DATUM 450

484.5 484.0 484.7 486.7 488.0 488.9 489.3 490.0 490.9 489.1 485.8 482.7 480.3 478.3 476.3 474.3 472.5 471.5 470.8 470.4 470.2 470.1 470.2 470.4 470.8 471.5 472.5 474.3 476.3 478.3 480.3 482.7 485.8 489.1 490.9

+.74 5999 +.25 +.75 6000 +.25 +.75 6001 +.26 +.77 6002 +.26 +.77 6003 +.27 +.77 6004 +.27 +.77 6005 +.26 +.75 6007 +.25 +.75 6008 +.26 +.75 6009 +.26 +.74 6010 +.25 +.78 6011 +.28 +.78 6012 +.28 +.78 6013 +.28 +.79 6014 +.29

SOUTHBOUND DRIVE

PROFILE
Scale: 1" = 50' Hor.
1" = 10' Vert

Prepared and Recommended:

E. H. HARLOW, V.P. N.Y. STATE P.E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC. CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK, N.Y.

	Made by	Traced by	Checked by
PLAN	P. Klecan	B. Kirsch	E. [illegible]
PROFILE	P. Klecan	B. Myson	E. [illegible]

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No.

195

M.T. 53-3 S.T 53-7

STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
N. Y.			120	157

MOHAWK SECTION, SUB DIVISION 1

S.B. CURVE DATA
R = 6725'
Δ = 39°-52'-21.59"
T = 2047.87
L = 3975.75

N.B. CURVE DATA
R = 8000'
Δ = 33°-52'-21.59"
T = 2436.13
L = 4729.52

TRUE NORTH

6018+00 N 1,023,449.28 E 584,238.87

6024+50.00 N 1,022,800.75 E 584,282.51

1,023,000N 584,500 E

N 1,022,496.01 E 584,359.09

N 1,022,472.91 E 584,515.40

N 1,022,462.45 E 584,309.26

N 1,022,350.16 E 584,114.35

N 1,023,096.53 E 584,196.68

N 1,023,296.34 E 584,261.64

@ STA. 6019+54.12 N 1,023,295.50 E 584,249.22

1,023,500N 584,000 E

@ STA. 6027+69.18 = STA. 8+47.63

@ STA. 6029+36 ELEV. 459.87

MATCH LINE

W. Kwiatkowski

A. P. Matula

J. Kwiatkowski

John F. Boles

P. Van Etten

R.O.W.

Top of Slope Ditch

H.P.

L.P.

Concrete Gutter

Sodding

SURVEY BASE LINE

EDGE OF PAVEMENT — NORTHBOUND DRIVE

EDGE OF PAVEMENT — SOUTHBOUND DRIVE

CENTERLINE OF THRUWAY

AZ. 176°-09'-00"

AZ. 171°-11'-40.55"

650.00'

849.15'

750.00'

END OF SPLIT R'DWY. P=4000'

N.B. P.T. STA. 6019+39.36 Back = S.B. STA. 6019+68.90 Ahead

S.B. P.T. STA. 6015+87.25

@ STA. 6015+37.77 N 1,023,690.96 E 584,222.61

Fee Map 113 Parcel 118

Fee Map 114 Parcel 119

Fee Map 115 Parcel 120

Fee Map 116 Parcel 121

Fee Map 126 Parcel 131

Fee Map 125 Parcel 130

Fee Map 127 Parcel 132

16" Oak Dist. 77.60'

16" Oak Dist. 108.30'

4" Maple Dist. 94.90'

3" Maple Dist. 76.20'

16" Oak Dist. 40.1

B.M. #55 Bolt in base of 24" elm Sta. 6017+00 125' right of line Elev. 466.318

B.M. #56 Bolt in base of 18" Pine Sta. 6022+00 Left of Line El. 469.396

B.M.* Sta. 6028+00 El. 469.87

For Bridge Details see Sheets No. 16-28

For Plan & Profile of Rel. Putman Rd. see Sheets No. 121-122

RETAINING WALL 1 Sta. 6027+00 to Sta. 6028+00

RETAINING WALL 2 Sta. 6027+00 to Sta. 6028+00

REL. PUTNAM R.D. BRIDGE

PLAN

Scale: 1"=50'

SPLIT ROADWAY ENDS Sta. 6019+39.36 Elev. 465.18'

AHEAD Sta. 6019+88.90 Elev. 465.18'

NORTH BOUND THEORETICAL GRADE LINE

NORTH BOUND DRIVE

SOUTH BOUND THEORETICAL GRADE LINE

SOUTH BOUND DRIVE

DATUM 455

DATUM 450

PROFILE

Scale: Hor. 1"=50' Vert. 1"=10'

Prepared and Recommended:

E. H. HARLOW, V. P. N. Y. STATE P. E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N. Y.

	Made by	Traced by	Checked by
PLAN	P. Klecan	B. Kirsch	E. Kmiotek
PROFILE	P. Klecan	B. Mysak	E. Kmiotek

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No.

195

491-3-10A-54

M.T. 58-3 S.T. 58-7

STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
N. Y.			120	157

MOHAWK SECTION, SUB DIVISION 1

120R

TRUE NORTH

S.B. CURVE DATA
P = 6725'
Δ = 33°-52'-21.59"
T = 2047.87
L = 3975.75

N.B. CURVE DATA
R = 8000'
Δ = 33°-52'-21.59"
T = 2436.13
L = 4729.52

6018+00 N 1,023,449.28 E 584,238.07

1,023,000 N 584,500 E

6024+50.00 N 1,022,800.75 E 584,282.51

John F. Boles Fee Map 116 Parcel 121

N 1,022,496.01 E 584,359.08

12" Culvert

R.O.W.

B.M. #56 Bolt in base of 12" Pine Sta. 6022+00 Left of Line El. 483.396

R=1000' P.C. STA. 10+26.07

S.B. P.T. STA. 6015+87.25 = N.B. P.T. STA. 6019+39.36 Back = S.B. STA. 6019+88.90 Ahead

℄ STA. 6015+37.77 N 1,023,690.36 E 584,222.61

W. Kwiatkowski

Top of Slope Ditch H.P L.P

Concrete Gutter

END OF SPLIT RDWY.

6" Conc Under Drain

Fee Map 113 Parcel 118

16" Oak Dist. 72.60'

Sodding

Fee Map 114 Parcel 119

A. P. Matula

Sodding

For Bridge Details see Sheets No. 16-28

℄ STA. 6027+69.18 = STA. 8+47.63

18" Oak Dist. 108.30'

4" Maple Dist. 94.90'

15" CMP

6" Conc Underdrain

Putnam Creek

Gabion Wall

Stone Fill

Wire Fence

N.Y.T.&T. Pole

Gulch

Wire Fence

Az. 176°-09'-00" 750.00'

SURVEY BASE LINE

EDGE OF PAVEMENT — NORTHBOUND DRIVE

12" S.P.

15" S.P.

CENTERLINE OF THRUWAY

Az. 176°-09'-00" 650.00'

Az. 176°-09'-00" 649.15'

EDGE OF PAVEMENT — SOUTHBOUND DRIVE

Az. 171°-11'-40.55"

Az. 171°-11'-40.55"

3" Maple Dist. 76.20'

B.M. #55 Bolt in base of 24" elm Sta. 6017+00 125' right of line Elev. 466.318

Fence Row Wire & Post

MATCH LINE

N 1,023,606.53 E 584,156.68

℄ STA. 6019+54.12 N 1,023,295.50 E 584,249.22 N 1,023,296.34 E 584,261.64

1,023,500 N 584,000 E

W. Kwiatkowski

Fee Map 115 Parcel 120

Kwiatkowski Log House

Shed

Fence

Chain Link Fence

Picket Fence

Wire Fence

Fee Map 125 Parcel 132

A. P. Matula

Fee Map 126 Parcel 131

P. Van Litan Est.

Fee Map 125 Parcel 130

℄ REL. PUTNAM RD. BRIDGE

For Plan & Profile of Rel. Putnam Rd. see Sheets No. 121-122

REL. PUTNAM ROAD

DETOUR ROAD

TEMPORARY CONSTRUCTION ACCESS ROAD

Fence

N 1,022,550.16 E 584,114.35

PLAN

Scale: 1"=50'

SPLIT ROADWAY ENDS STA. 6019+39.35 ELEV. 465.18'

AHEAD STA. 6019+88.90 ELEV. 465.18'

NORTH BOUND THEORETICAL GRADE LINE

DATUM 455

-0.560%

STA. 6013+63 ELEV. 468.53

465.5 466.6 466.2 467.9 475.2 478.6 479.7 480.9 482.7 483.5 479.0 476.1 472.4 469.7 468.9 470.1 472.0 471.8 471.3 471.2 473.4 477.0 479.6 480.4 481.3 481.6 483.5 486.4 486.4 489.7 492.9

STA. 6029+36 ELEV. 459.87'

·83 6014 ·32 ·83 6015 ·32 ·83 6016 ·33 ·83 6017 ·34 ·84 6018 ·34 ·85 6019 ·34 ·33 6020 ·83 6021 ·34 ·84 6022 ·34 ·84 6023 ·34 ·85 6024 ·35 ·85 6025 ·35 ·85 6026 ·36 ·86 6027 ·35 ·85 6028 ·35 ·85 6029 ·36

NORTH BOUND DRIVE

SPLIT ROWY ENDS STA. 6019+88.90 ELEV. 465.18'

SOUTH BOUND THEORETICAL GRADE LINE

DATUM 450

-0.560%

STA. 6013+79 ELEV. 468.80

463.0 463.5 465.7 466.3 465.4 467.0 469.0 469.5 470.4 472.3 474.6 474.6 477.0 479.2 474.3 469.0 467.6 468.1 468.0 468.2 468.8 472.1 474.3 478.7 479.0 478.4 478.0 478.8 479.0 483.5 486.0 487.0

·79 6014 ·29 ·79 6015 ·29 ·79 6016 ·30 ·80 6017 ·30 ·80 6018 ·30 ·80 6019 ·30 ·80 6020 ·33 ·83 6021 ·34 ·84 6022 ·34 ·84 6023 ·34 ·85 6024 ·35 ·85 6025 ·35 ·85 6026 ·36 ·86 6027 ·35 ·85 6028 ·35 ·85 6029 ·36

SOUTH BOUND DRIVE

PROFILE

Scale: Hor. 1"=50' Vert. 1"=10'

Prepared and Recommended:

E. H. HARLOW, V. P. N. Y. STATE P. E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC. CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N. Y.

	Made by	Traced by	Checked by
PLAN	P. Klecan	B. Kirsch	E. Kmiotek
PROFILE	P. Klecan	B. Mysak	E. Kmiotek

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No.

195

421-10A-54

S.T 53-7

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			121	157
MOHAWK SECTION, SUB DIVISION 1					

PLAN

RELOCATED PUTNAM ROAD

PT. I CO. ROAD NO. 26R

Scale: 1"=50'

NOTE:
Grade & pave driveway with 9" Found. Course Gravel Item 39R L.O.B.E.

GRADE AND PAVE HIGHWAY INTERSECTION
2½" Asphalt Concrete-Optional Item 51C
9" Foundation Course Gravel Item 39R

Note: For Curve Widening see N.Y. State Standard Sheet 50-1R.

CURVE DATA
R = 1000'
Δ = 21°-13'-11.47"
T = 187.32'
L = 370.36'

Prepared and Recommended:

E.R. HARRISON, V.P. N.Y. STATE P. E. LIC. NO. 20747 DATE January 5, 1959

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

	Made by	Traced by	Checked by
PLAN	P. Kleegan	D. Kirsch	E. Kmiotek
PROFILE			

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No. 195

451-3-10A-77

S.T 55+1

STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
N. Y.			121	157

MOHAWK SECTION, SUB DIVISION 1

12IR

PLAN

RELOCATED PUTNAM ROAD
PT. I CO. ROAD NO. 26R

Scale: 1"=50'

NOTE:
Grade & pave driveway with 9" Found, Course Gravel Item 39R I.O.B.E.

GRADE AND PAVE HIGHWAY INTERSECTION
2½" Asphalt Concrete-Optional Item 31C
5" Foundation Course Gravel Item 39R

Note: For Curve Widening see N.Y. State Standard Sheet 50-1R.

Prepared and Recommended:

E. R. HARLOW, V.P. N.Y. STATE P.E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

	Made by	Traced by	Checked by
PLAN	P. Klecan	D. Kirsch	E. Kmiotek
PROFILE			

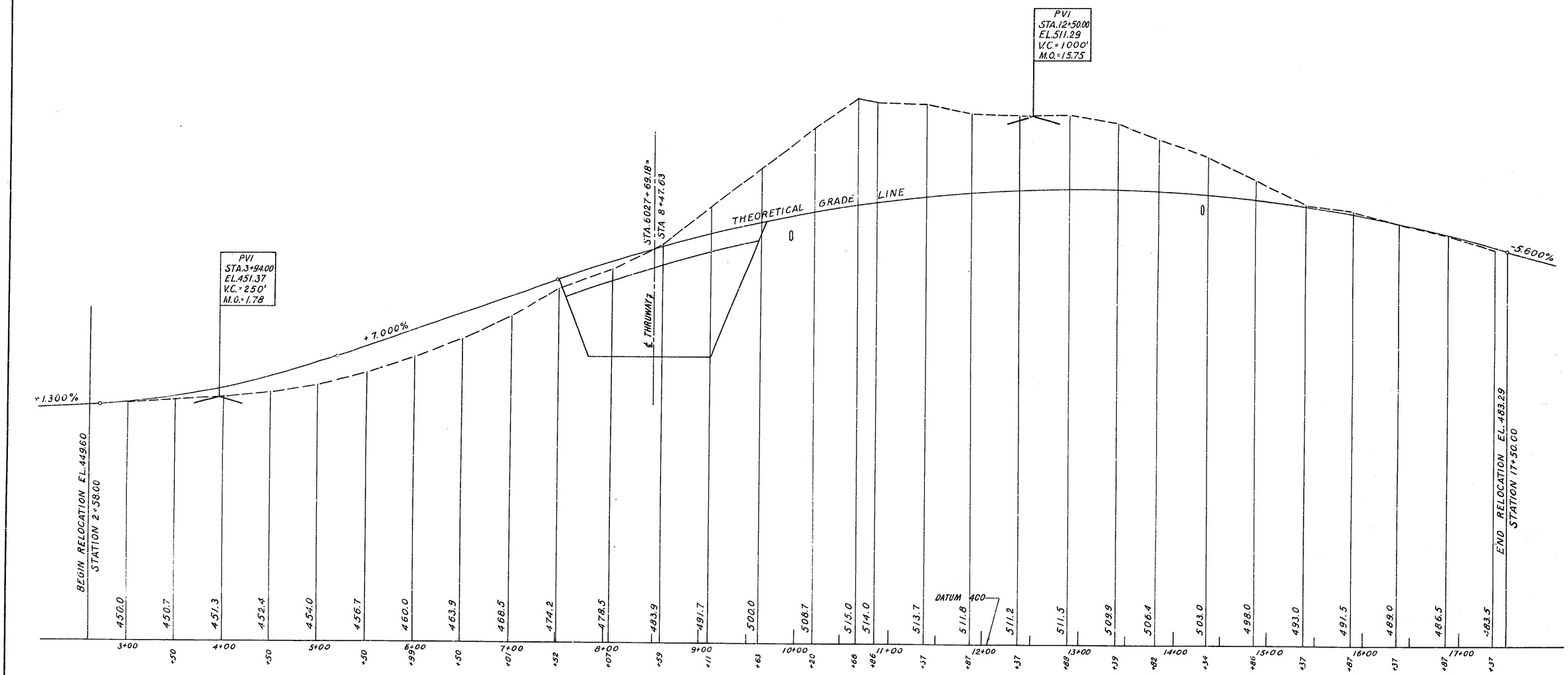
Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No.

195

S.T 58-7

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			122	157
MOHAWK SECTION, SUB DIVISION 1					



PROFILE

RELOCATED PUTNAM ROAD

PT. I CO. ROAD NO. 26R

Scale: Hor. 1"=50'
Vert. 1"=10'

Prepared and Recommended:

E. H. HARLOW, V.P. N.Y. STATE P. E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

	Made by	Traced by	Checked by
PLAN			
PROFILE	P. Klecan	E. Keerd	E. Kmiotek

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No.

195

481-3-10A-78

M.T. 53-3

STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
N. Y.			123	157

MOHAWK SECTION, SUB DIVISION 1

PLAN

Scale: 1" = 50'

R.K. Hauswald

TRUE NORTH

R.O.W.

Bruce Brown

Small Pine & Maple up to 4"

Anthony de Meo

Open Field

Brush & Field Stone Fence

MATCH LINE

EDGE OF PAVEMENT — NORTHBOUND DRIVE

EDGE OF PAVEMENT — SOUTHBOUND DRIVE

CENTERLINE OF THRUWAY

SURVEY BASE LINE

Fee Map 128 Parcel 134

Fee Map 127 Parcel 132

Fee Map 128 Parcel 133

Fee Map 135 Parcel 135

Fee Map 126 Parcel 131

Pasture

A.P. Matula

P. Van Ettun

Garden

Shed

Coop

Station Frame House

Driveway

Well

Wire Fence

Picket Fence

Cultivated Field

Anthony de Meo

Pasture

Putnam Road

Old Putnam Rd.

Old Army Mix Surface

Orchard

Pine Tree

Chisel cut on 2" pipe Cor. Post. Dist. 27.0±'

6" Culvert

Snow Hub Dist. 3.0'

8" Elm Dist. 14.5'

8" Elm Dist. 14.10'

3 Elm Dist. 18.0'

B.M. "ST Bolt in base of 12" Ash Sta. 6037+30.00 4'R of Line El. 417.786

Wooded shore fence line

6042-09.15 N 1,021,933.52 E 584,339.53

6037+99.65 N 1,021,455.15 E 584,373.07

N 1,020,934.41 E 584,605.26

P.C. STA. 6043+25.60 R = 25,000'

℄ STA. 6043+56.09 N 1,020,909.70 E 584,488.07

119.76'

90°

℄ CURVE DATA
R = 25,000'
Δ = 4°-19'-55.27"
T = 945.55
L = 1890.20

AZ. 171°-11'-40.55" 15' S.P.

AZ. 176°-09'-00" 849.15'

AZ. 176°-09'-00" 499.50'

AZ. 168°-05'-40" 799.20'

584.500 E

1,022.000 N

1,021.000 N

24" RCCP

22' 22'

12" S.P.

18" S.P.

2' S.P.

Sta. 6022+00 N 1,022,372.91 E 584,578.10

Pt. 1 Dist. 1.00

R = 1000' Δ = 3°-STA. 10+98.07

Dist. 300.00

AZ. 173°-28'-20"

Sta. 6022+35 Elev. +860.44'

Sta. 6043+71 Elev. 427.13'

-0.560%

-2.980%

P.V.I. STA. 6033+50 El. 451.56 V.C. 600 M.O.I. 8.2

THEORETICAL GRADE LINE

DATUM 420

NORTH BOUND

SOUTH BOUND

PROFILE

Scale: Hor. 1" = 50'
Vert. 1" = 10'

Prepared and Recommended:

E.H. HARLOW, V.P. N.Y. STATE P.E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

	Made by	Traced by	Checked by
PLAN	P.Klecan	B.Kirsch	E.Kmiotek
PROFILE	P.Klecan	M.A.Pineda	E.Kmiotek

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No. 195

481-3-10A

M.T. 53-3

STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
N. Y.			123	157

MOHAWK SECTION, SUB DIVISION 1

123R

R.K. Hauswald

TRUE NORTH

R.O.W.

Bruce Brown

Anthony de Meo

Open Field

Small Pine up

Maple 4"

Fee Map 129 Parcel 134

Fee Map 129 Parcel 132

Fee Map 129 Parcel 133

Fee Map 129 Parcel 131

Fee Map 135 Parcel 135

Fee Map 126 Parcel 131

PUTNAM ROAD — Pt. 1 — DIST. 300.00 — AZ. 115°-28'-20" — Pt. 2 — DIST. 1000.00 — AZ. 103°-08'-40"

PUTNAM ROAD #26R — DISTRICT 6 — BIT. PAVEMENT SURFACE

R=1000' P.O.S.T.A. 10+46.07

Sel. wire, 2 tel. cables

wire fence

MATCH LINE

Chisel cut on 2" pipe Cor. Post. Dist. 27.07'

N 1,022,372.91 E 584,518.40

Iron Pipe Dist. 45.98'

2-Story Frame House

Shed

Orchard

Wire Fence

Brook & Field Stone Fence

N 1,022,372.91 E 584,339.53

N 1,022,155.15 E 584,373.07

N 1,020,954.41 E 584,603.26

N 1,021.000 E 584,500.00

EDGE OF PAVEMENT — NORTHBOUND DRIVE

EDGE OF PAVEMENT — SOUTHBOUND DRIVE

22' 24" RCCP

6029 6030 6031 6032 6033 12" S.P. 6034 6035 6036 AZ. 171°-11'-40.55" 6037 CENTERLINE 6040 OF 6041 THRUWAY 6042 6043 6044

18" S.P. 21" S.P.

(37) (38) (39) (40)

24" RCCP

6" Conc Under Drain

AZ. 176°-09'-00" 849.15'

Snow Hub Dist. 3.0'

AZ. 176°-03'-00" 499.50'

SURVEY BASE LINE

AZ. 168°-05'-40" 799.20'

8" Elm Dist. 14.6' S.

8" Elm Dist. 14.10'

B.M. "S" Bolt in base of 12" Ash Sta. 6037+30.00 4' R of Line El. 477.786

Garden

A.P. Matula

Shed

Coop

1½ Story Frame House

Driveway

wire fence

picket fence

Pasture

P. Van Ettan

R.F. Wire Fence

Well

Cultivated field

Anthony de Meo

Pasture

Wooded stone fence line

Wire Fence

Sta. 6043+56.09 N 1,020,909.70 E 584,486.07

P.C. STA. 6043+75.60 R=25.000'

119.16'

90°

℄ CURVE DATA
R=25.000'
Δ=4°-19'-55.27"
T=945.55
L=1890.20

PLAN
Scale: 1" = 50'

NORTH BOUND

SOUTH BOUND

P.V.I. STA. 6033+50 El. 457.56 V.C. 600 M.O.I.82

-0.560%

-2.980%

THEORETICAL GRADE LINE

DATUM 420

STA. 6028+35 ELEV. 480.44'

STA. 6043+71 ELEV. 427.13'

487.7 483.5 489.7 486.0 492.9 487.0 494.1 488.5 495.4 490.5 496.0 491.1 496.1 494.2 496.0 496.4 494.4 496.5 492.5 494.3 490.2 492.3 488.0 489.0 486.6 488.0 484.8 486.9 484.1 484.0 479.9 480.5 477.0 478.9 476.7 477.3 474.0 475.0 471.5 473.2 468.2 470.0 466.3 467.7 462.8 464.7 459.7 462.0 455.6 458.2 450.2 454.2 447.0 450.7 443.0 446.3 439.5 442.0 436.3 437.6 432.9 434.7 429.7 431.6

+35 6029 +85 +36 6030 +85 +37 6031 +87 +37 +88 6032 +38 6033 +88 +38 6034 +88 +40 6035 +90 +40 6036 +89 +41 6037 +90 +41 6038 +90 +41 6039 +69 +20 6040 +71 +20 6041 +70 +20 6042 +71 +21 6043 +71 +21 +71 6044

PROFILE
Scale: Hor. 1" = 50'
Vert. 1" = 10'

Prepared and Recommended:

E.H. HARLOW, V.P. N.Y. STATE P.E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

	Made by	Traced by	Checked by
PLAN	P.Klecan	B.Kirsch	E.Kmiotek
PROFILE	P.Klecan	M.A.Pineda	E.Kmiotek

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No. 195

123-3.1DA-55

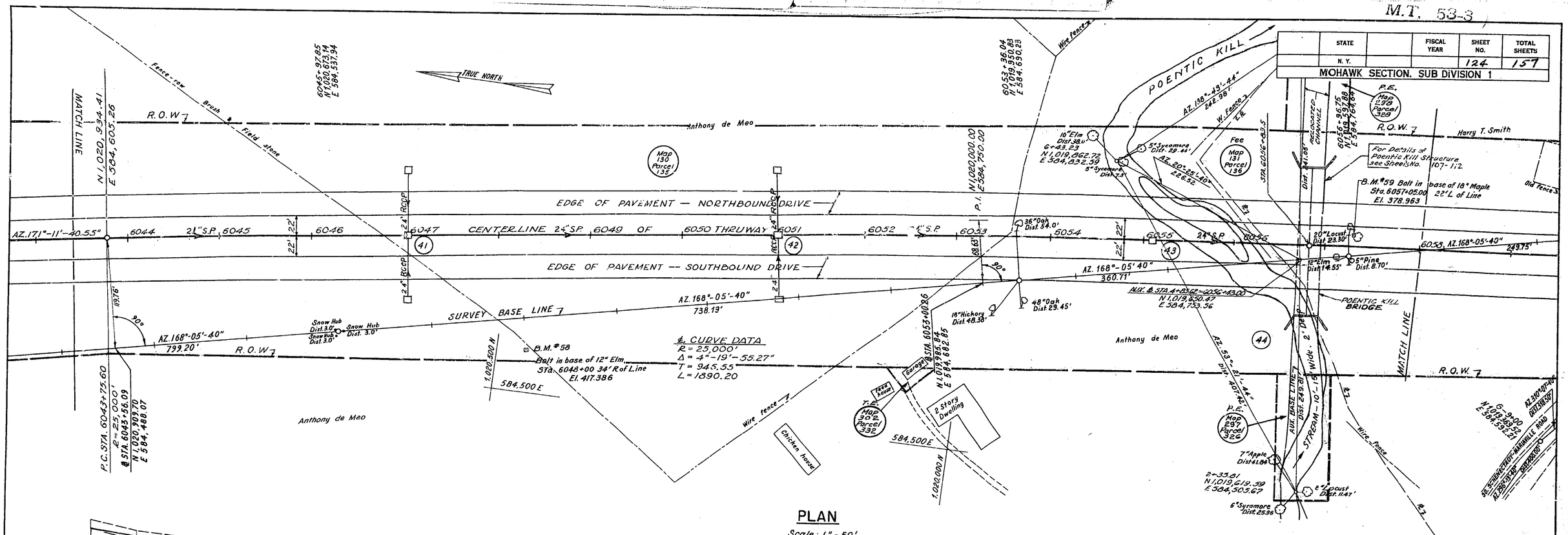
M.T. 53-3

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			124	157

MOHAWK SECTION. SUB DIVISION 1

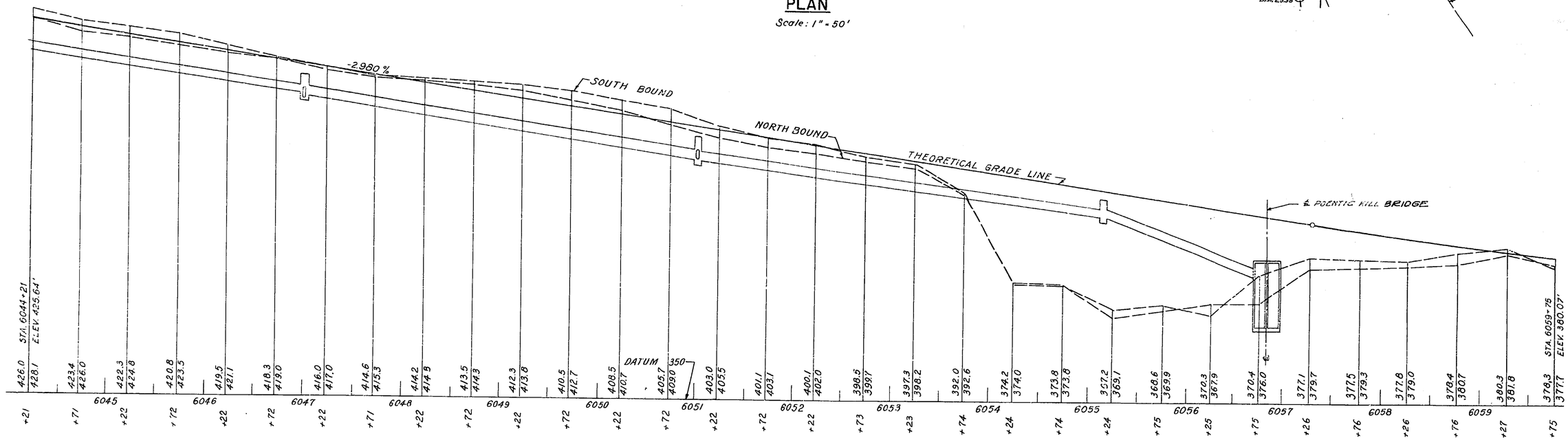
PLAN

Scale: 1" = 50'



PROFILE

Scale: Hor: 1" = 50'
Vert. 1" = 10'



Prepared and Recommended:

E. H. HARLOW, V.P. N.Y. STATE P. E. LIC. NO. 20747 — DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

	Made by	Traced by	Checked by
PLAN	P. Klecan	B. Kirsch	E. Kmiotek
PROFILE	P. Klecan	M-A. Pineda	E. Kmiotek

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No. 195

481-3-10A-56

M.T. 53-3

STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
N. Y.			124	157

MOHAWK SECTION, SUB DIVISION 1

124R

TRUE NORTH

MATCH LINE N 1,020,934.41 E 504,605.26

6045+97.85 N 1,020,673.14 E 504,537.94

6053+36.04 N 1,019,850.83 E 504,590.23

N 1,020,000.00 E 504,750.00

R.O.W.

Anthony de Meo

Fence-row Brush Weld stone

Wire Fence

POENTIC KILL

Harry T. Smith

Map 298 Parcel 328

P.E.

Fee Map 13 Parcel 136

For Details of Poentic Kill Structure see Sheet No. 107-112

B.M.#59 Bolt in base of 18" Maple on Sta. 6057+05.00 ± L of Line El. 378.963

Old Fence

6" CONC UNDERDRAIN

Map 130 Parcel 135

EDGE OF PAVEMENT — NORTHBOUND DRIVE

EDGE OF PAVEMENT — SOUTHBOUND DRIVE

CENTER LINE 24"S.P. OF THRUWAY

6044 21"S.P. 6045 6046 6047 6049 6050 6051 6052 24"S.P. 6053 6054 6055 24"S.P. 6056

22' 22' 24" RCCP

AZ. 171°-11'-40.55"

AZ. 168°-05'-40" 738.19'

AZ. 168°-05'-40" 350.71'

AZ. 168°-05'-40" 249.75'

AZ. 168°-05'-40" 239.20'

90°

68.65'

SURVEY BASE LINE

P.C. STA. 6043+75.60 Δ = 25°00' R = STA. 6043+56.09 N 1,020,909.70 E 504,488.07

Snow Hub Dist. 3.0' Snow Hub Dist. 3.0' Snow Hub Dist. 3.0'

B.M.#58 Bolt in base of 12" Elm STA. 6048+00 34' R of Line El. 417.386

1,020,000 N 584,500 E

Anthony de Meo

Wire Fence

Chicken house

CURVE DATA
R = 25,000'
Δ = 4°-19'-55.27"
T = 945.55'
L = 1890.20

STA. 6053+00.26 N 1,019,985.84 E 504,682.85

18" Hickory Dist. 48.38'

48" Oak Dist. 29.45'

Anthony de Meo

Map 302 Parcel 332

Tank House

2 Story Dwelling

584,500 E

1,020,000 N

36" Oak Dist. 54.0'

10 Ela Dist. 38.0 G+43.23 N 1,019,862.72 E 504,832.39

5" Sycamore Dist. 52.44'

6" Sycamore Dist. 53'

AZ. 130°-49'-44" 242.98'

AZ. 20°-25'-40" 226.92'

W. Fence ± L

CONC. GUTTER

STA. 6056+05.55

Dist. 241.65'

Map 297 Parcel 326

P.E.

20" Locust Dist. 23.30'

12" Elm Dist. 14.55'

5" Pine Dist. 8.70'

AUX. ℄ STA. 4+83.62=6056+43.00 N 1,019,850.47 E 504,733.36

CONC. GUTTER

POENTIC KILL BRIDGE

Anthony de Meo

AZ. 53°-49'-44" 407.42'

AUX. BASE LINE Dist. 249.0

STREAM - 10'± Wide

7" Apple Dist 4.66'

2-33.61 N 1,019,619.59 E 504,503.67

6" Locust

6" Sycamore Dist. 25.98

MATCH LINE

Wire Fence

N 1,019,940.00 E 504,359.21

ALTAMONT-GUILDERLAND-MANNSVILLE ROAD

PLAN

Scale: 1" = 50'

PROFILE

Scale: Hor: 1" = 50'
Vert. 1" = 10'

-2.980 %

SOUTH BOUND

NORTH BOUND

THEORETICAL GRADE LINE

℄ POENTIC KILL BRIDGE

DATUM 350

STA. 6044+21 ELEV. 425.64'

STA. 6059+75 ELEV. 380.07'

426.0 428.1 423.4 426.0 422.3 424.8 420.8 423.5 419.5 421.1 418.3 419.0 416.0 417.0 414.6 415.3 414.2 414.8 413.5 414.3 412.3 413.8 410.5 412.7 408.5 410.7 405.7 409.0 403.0 405.5 401.1 403.1 400.1 402.0 398.5 399.7 397.3 398.2 392.0 392.6 374.2 374.0 373.8 373.8 367.2 369.1 368.6 369.9 370.3 367.9 370.4 376.0 377.1 379.7 377.5 379.3 377.8 379.0 378.4 380.7 380.3 381.8 378.3 377.7

6045 6046 6047 6048 6049 6050 6051 6052 6053 6054 6055 6056 6057 6058 6059

+21 +71 +22 +72 +22 +72 +22 +71 +22 +72 +22 +72 +22 +72 +22 +72 +22 +72 +22 +73 +23 +74 +24 +74 +24 +75 +25 +75 +26 +76 +26 +76 +27 +75

Prepared and Recommended:

E. H. HARLOW, V.P. N.Y. STATE P. E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

	Made by	Traced by	Checked by
PLAN	P. Klecan	B. Kirsch	E. Kmiotek
PROFILE	P. Klecan	M.A. Pineda	E. Kmiotek

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No. 195

M.T. 53-3 R.C. 58-19

STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
N. Y.			125	157

MOHAWK SECTION, SUB DIVISION 1

TRUE NORTH

B.M. #60
Cut Mark in Headwall of concrete Culvert, Rd. Intersection
Sta. 606+97.00 – 312'L. of Line
El. 366.299'

Harry T. Smith — Walt Flowers — Clarence van Valkenburg

MATCH LINE

585.000 E — 1,018,500 N — 1,018,000 N

R.O.W.7

Fee Map 133 Parcel 138 — Fee Map 134 Parcel 139 — Fee Map 135 Parcel 141 — Fee Map 134 Parcel 140 — Fee Map 135 Parcel 142 with Access — Fee Map 135 Parcel 155 with Access — Fee Map 150 Parcel 151

T.E. Map 133 Parcel 133 — Fee Map 132 Parcel 137 — Fee Map 136 Parcel 135 — Fee Map 131 Parcel 136

Wire Fence & Property line — Old Fence — Dirt driveway with Access — 2 Power (Tele) 3 Power (Elec) — 2 Wires — 12"S.P. — 10 Wires — 18"S.P.

1½ Story Frame House — 1½ Story Frame House — Frame Barn — Shed

6" Apple Dist. 34.45 — 10" Apple Dist. 14.0 — 6" Apple Dist. 22.80' — 3" Snow Nubs Dist. 3.00"

HIGHWAY BOUNDARY — 10' Wire Fence — Fence Post Dist. 2.00' — Fence Post Dist. 2.40' — Fence Post Dist. 2.50' — Fence Post Dist. 2.30' — Fence Post Dist. 2.60' — Fence Post Dist. 2.50'

Rudolph Feuz — For Plan & Profile of Rel. So. Schenectady-Mariaville Road see Sheets No. 126-129

Sta. 606+46.50 — 1,019,353.50 N — 584,816.16 E

Sta. 607+55.55 — 1,018,711.38 N — 584,944.64 E

Sta. 606+97.00 — 1,018,844.21 N — 584,868.67 E

Sta. 606+23.00 — 1,019,055.15 N — 584,822.32 E

Sta. 606+23.00 — 1,019,055.15 N — 584,822.32 E

Sta. 606+97.00 — 1,018,844.21 N — 584,868.67

STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
N. Y.			125	157

MOHAWK SECTION, SUB DIVISION 1

125

PLAN

Scale: 1"=50'

PROFILE

Scale: Hori. 1"=10'
Vert. 1"=5C'

Prepared and Recommended:

E.H. HARLOW, V. P. N.Y. STATE P.E. LIC. NO 20747 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
57 WILLIAM ST., NEW YORK 5, N.Y.

	Made by	Traced by	Checked by
PLAN			
PROFILE			

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No.

196

R.C. 53-19

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N.Y.			126	167
MOHAWK SECTION SUB DIVISION I					

PLAN
RELOCATED SOUTH SCHENECTADY–MARIAVILLE
S.H. 788 ON ROUTE 159
Scale: Hor. 1" = 50'

NOTE:-
Grade & Pave Driveway with 9" Found. Course Gravel Item 39 R I.O.B.E.

CURVE DATA
R = 1600'
Δ = 12°-59'-46.92"
T = 182.25
L = 362.93

GRADE AND PAVE HIGHWAY INTERSECTION
2½" Asphalt Concrete–Optional Item 51C
9" Foundation Course Gravel Item 39R

GRADE AND PAVE TURNAROUND
2½" Asphalt Concrete–Optional Item 51C
9" Foundation Course Gravel Item 39R

Clarence Van Valkenburg
Abbie Van Valkenburg

Edward W. & Dorothy L. Kopper

Jennie H. Veeder

Abbie Van Valkenburg
Clarence Van Valkenburg

Thomas S. Flynn
& Lillian M. Flynn

Rudolph Feuz

Rudolph & Bertha Feuz

Robert Croff

Wolf Fowler

Harry T. Smith
& Viola Smith

Vonburen

Prepared and Recommended

E.D. Darlow
N.Y. STATE P.E. LIC. NO. 36171 DATE Jan. 13 '75

F. R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

	MADE BY	TRACED BY	CHECKED BY
PLAN	P. Klecan	B. Kirsch	L. Kmiotek
PROFILE			

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No.

195

481-3-10A-79

R.O. 53-19

STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
N.Y.			124	207

MOHAWK SECTION SUB-DIVISION I

126R

PLAN
RELOCATED SOUTH SCHENECTADY–MARIAVILLE
S.H. 788 ON ROUTE 159
Scale: Hor. 1" = 50'

Clarence Van Valkenburg
Abbie Van Valkenburg

Edward W. & Dorothy L. Kapper

Jennie H. Veeder

Abbie Van Valkenburg
Clarence Van Valkenburg

Thomas S. Flynn
& Lillian M. Flynn

Harry T. Smith
& Viola Smith

Robert Graff

Rudolph Feuz

Vonburen

Wolf Power

Barn

Chicken Coop

1½ Story Frame House

2 Story Frame House

Low Barn

Grade & Pave Driveway

Grade & Pave Turnaround
4" Asphalt Concrete - Optional Item 31C
9" Foundation Course Gravel Item 39R

Highway Boundary

R.O.W.

Wire Fence

Stone Fence

New Ditch

Old Ditch

Edge of Pavement

Centerline of Pavement - Northbound Drive

Fee Map 139 Parcel 146 with Access

Fee Map 140 Parcel 147 with Access

Fee Map 141 Parcel 148 with Access

Fee Map 137 Parcel 143 with Access

Fee Map 136 Parcel 142 with Access

Fee Map 135 Parcel 141

Fee Map 134 Parcel 140

Fee Map 133 Parcel 139

Fee Map 132 Parcel 138

Fee Map 131 Parcel 136

Fee Map 130 Parcel 137

Fee Map 303 Parcel 338

Fee Map 135 Parcel 137

Fee Map 134 Parcel 136

Fee Map 133 Parcel 135

Fee Map 132 Parcel 134

Fee Map 131 Parcel 133

Fee Map 130 Parcel 132

Fee Map 129 Parcel 131

Fee Map 128 Parcel 130

Fee Map

S.T 52-7 R.C.

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N.Y.			127	157
MOHAWK SECTION SUB DIVISION I					

PLAN

RELOCATED SOUTH SCHENECTADY–MARIAVILLE S.H.788 ON RT.159
RELOCATED CURRY BUSH ROAD PT.1 COUNTY RD.24R
INTERSECTION TO SOUTH SCHENECTADY–MARIAVILLE ROAD

Scale: 1"=50'

NOTE: GRADE AND PAVE DRIVEWAY WITH 9" FOUNDATION COURSE GRAVEL. ITEM 39R I.C.G.E.

Prepared and Recommended

E.D. Stanlow N.Y. STATE P.E. LIC. NO. 32174 DATE Jan. 3, 63

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK, N.Y.

	MADE BY	TRACED BY	CHECKED BY
PLAN	P. Kleegan	B. Kirsch	E. Kmiotek
PROFILE			

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No.

195

491-3-10A-81

S.T 53-7 R.C. 53-12

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N.Y.			127	157
MOHAWK SECTION SUB DIVISION I					

127R

GRADE AND PAVE HIGHWAY INTERSECTION 2½" Asphalt Concrete (Optional Item 51C) 9" Foundation Course Gravel Item 392

Rudolph Feuz

Grade and Pave Driveway.

Snow Hub Dist. 40.35'

G 9+00 N 1,019,369.32 E 584,392.21

BEGIN RELOCATION STA. 7+95.79

STA. 7+84.79 = STA. 16+99.01

Fence Post Dist. 22.00'

Harry T. Smith

For Curve Widenings see N.Y. State Standard Sheet No. 30-12

AUX. BASE LINE 7 Az. 262°-54'-00"

Az. 53°-21'-44" 407.42'

1019.500 N

584.300 E

9+00

10+00 SCHENECTADY-MARIAVILLE

R.O.W. 7

Wire Fence

Fence

Az. 30°-13'-40" 400.00'

Az. 30°-13'-40" 378.80'

New Ditch

MARIAVILLE S.H. 788 ON ROUTE 159

Az. 293°-48'-26.92"

Az. 30°-13'-40" 228.13'

Az. 30°-02'-40" 500.00'

SCHENECTADY-MARIAVILLE S.H. 788 ON ROUTE 159

22'

15'-00"

H 15+00 N 1,019,029.61 E 584,390.35

A. Apple Dist. 48.45'

Rudolph & Bertha Feuz

H 16+00 N 1,019,079.99 E 584,304.47

N.Y.T. #26 Dist. 20.97'

Clarence Van Valkenburg

J 3+65 N 1,019,087.13 E 584,306.01

MATCH LINE

Robert Craft

Drive

Grade and Pave Driveway

House

Garage

House

Garage

Curry Bush Road Pt. 1

Frank Currier

TRUE NORTH

Highway Boundary

Grade and Pave Highway Intersection 2½" Asphalt Concrete (Optional Item 51C) 9" Foundation Course Gravel Item 392

Thomas J. Monty

Barn

P.C. STA. 17+87.51 R=1600'

N 1,019,194.28 E 584,342.31

Grade and Pave Driveway.

Fee Map 145 Parcel 131 with Access

R.O.W. 7

P.T. STA. 0+00 = STA. 18+58.00

N 1,019,114.80 E 584,224.35

RELOCATED CURRY BUSH ROAD

2+00

N 1,019,166.41 E 584,100.30

CO. RD. 24R

Pt. 1

R.O.W. 7

Wire Fence

CURVE DATA R = 1433' Δ = 15°-56'-42.17" T = 200.71' L = 398.83'

M. F. Hulett

Grade and Pave Driveway.

Fee Map 145 Parcel 132 with Access

Grade and Pave Driveway.

For Curve Widening See Sheet 50-11R

Fee Map 145 Parcel 133 with Access

R. F. D. Feuz

Grade and Pave Driveway.

CURVE DATA R = 1433' Δ = 15°-56'-42.17" T = 200.71' L = 398.83'

P.C. STA. 4+33.53

P.T. STA. 8+32.36

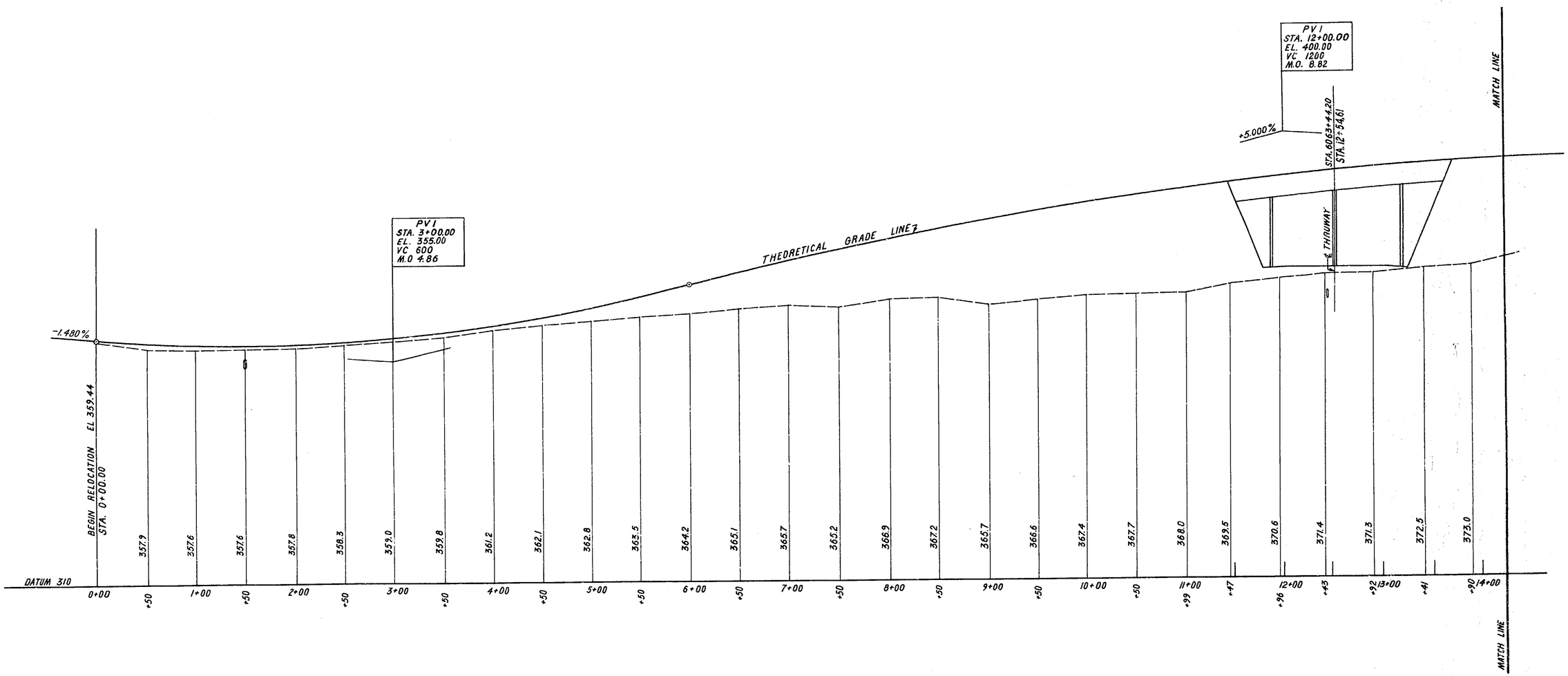
Wire Fence

Fence

Fence

M.T. 53-3 R.C. 53-19

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N.Y.			128	157
MOHAWK SECTION SUBDIVISION 1					



PROFILE

RELOCATED SOUTH SCHENECTADY MARIAVILLE

S.H. 788 ON ROUTE 159

Scale: Hor. 1"=50'
Vert. 1"=10'

Prepared and Recommended:

E.R. Parker Jan 13 '53
N.Y. STATE P.E. LIC. NO. 26117 DATE

FREDERIC R. HARRIS INC. CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK, N.Y.

	MADE BY	TRACED BY	CHECKED BY
PLAN	A. Manfredi	G. Nipanicz	E. Kmiotek
PROFILE			

Prepared Pursuant to the Highway Law and Recommended by

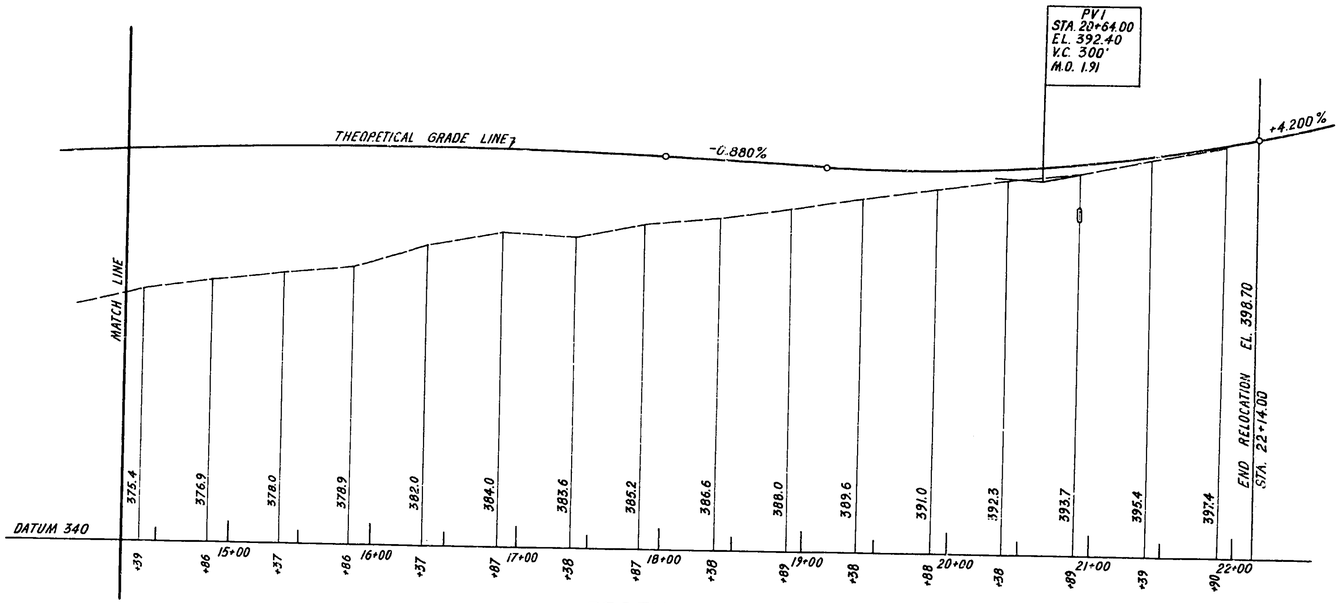
Engineer Dist. No.

195

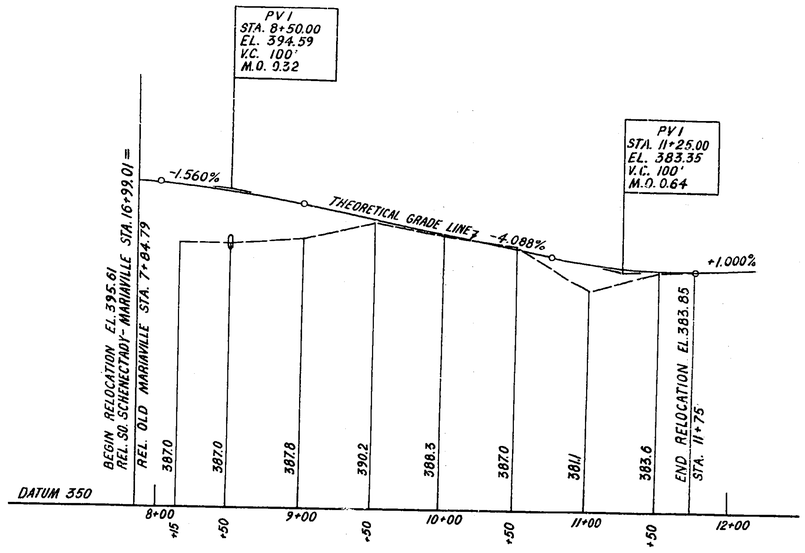
481-3-10A-80

S.T 58-7

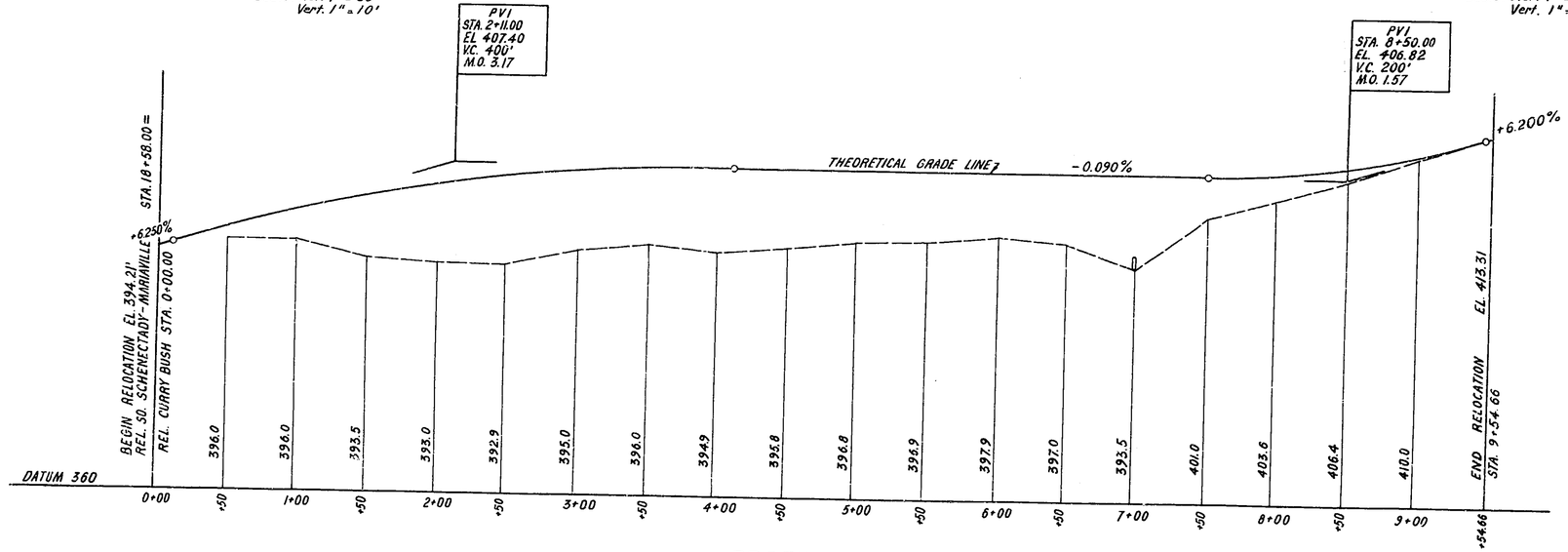
	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N.Y.			129	157
MOHAWK SECTION SUB-DIVISION I					



PROFILE
RELOCATED SOUTH SCHENECTADY – MARIAVILLE
S.H. 788 ON ROUTE 159
Scale: Hor. 1" = 50'
Vert. 1" = 10'



PROFILE
INTERSECTION TO SOUTH SCHENECTADY – MARIAVILLE ROAD
Scale: Hor. 1" = 50'
Vert. 1" = 10'



PROFILE
RELOCATED CURRY BUSH ROAD
PT. I CO. ROAD NO. 24R
Scale: Hor. 1" = 50'
Vert. 1" = 10'

Prepared and Recommended

D. Harris — April 3 '59
N.Y. STATE P.E. LIC. NO. 28717 — DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

PLAN PROFILE	MADE BY	TRACED BY	CHECKED BY
	A. Manfredi	G. Niponicz	E. Kmiotek

Prepared Pursuant to the Highway Law and Recommended

Engineer Dist.

_____ 195 _____

481-3-10A-82

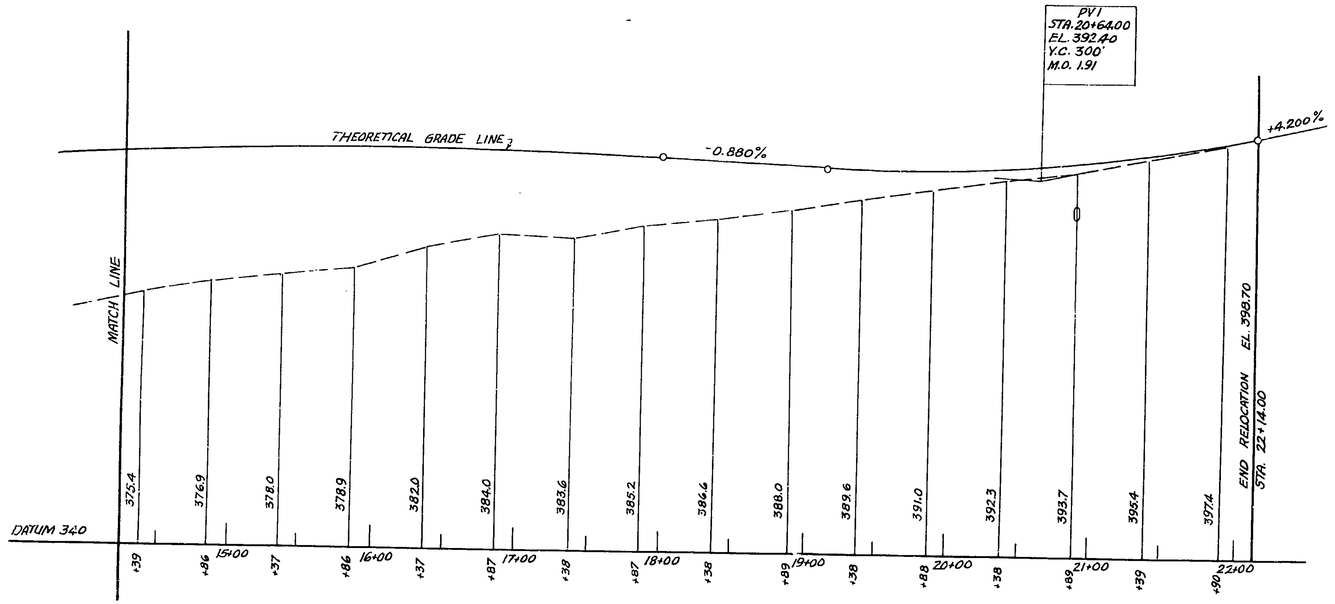
M.T. 53-3

	STATE		FISCAL YEAR	SHEET No.	TOTAL SHEETS
	N.Y.			129R	
MOHAWK SECTION SUB DIVISION 1-1					

TO SUPERSEDE SHEET 129

FIELD CHANGE
JULY 21, 1953
MF 129F

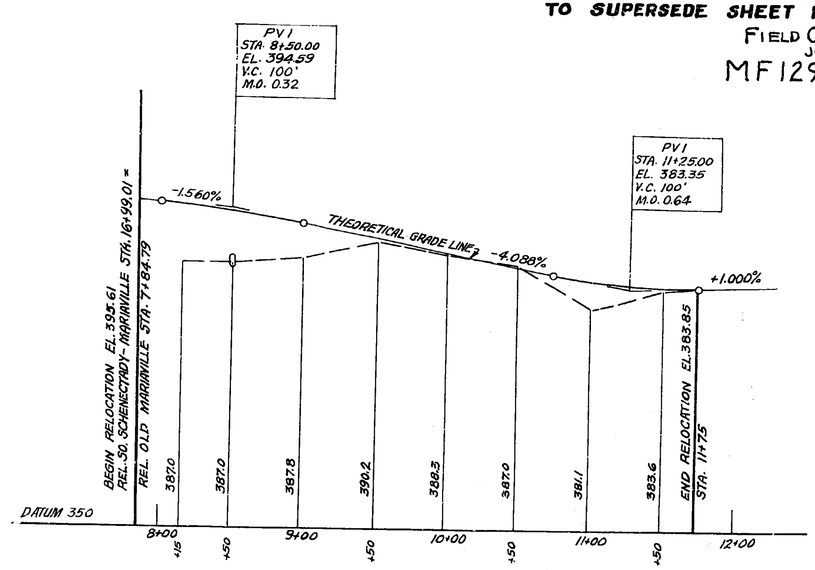
FIELD CHANGE



PROFILE
RELOCATED SOUTH SCHENECTADY – MARIAVILLE

Scale: Hor. 1" = 50'
Vert. 1" = 10'

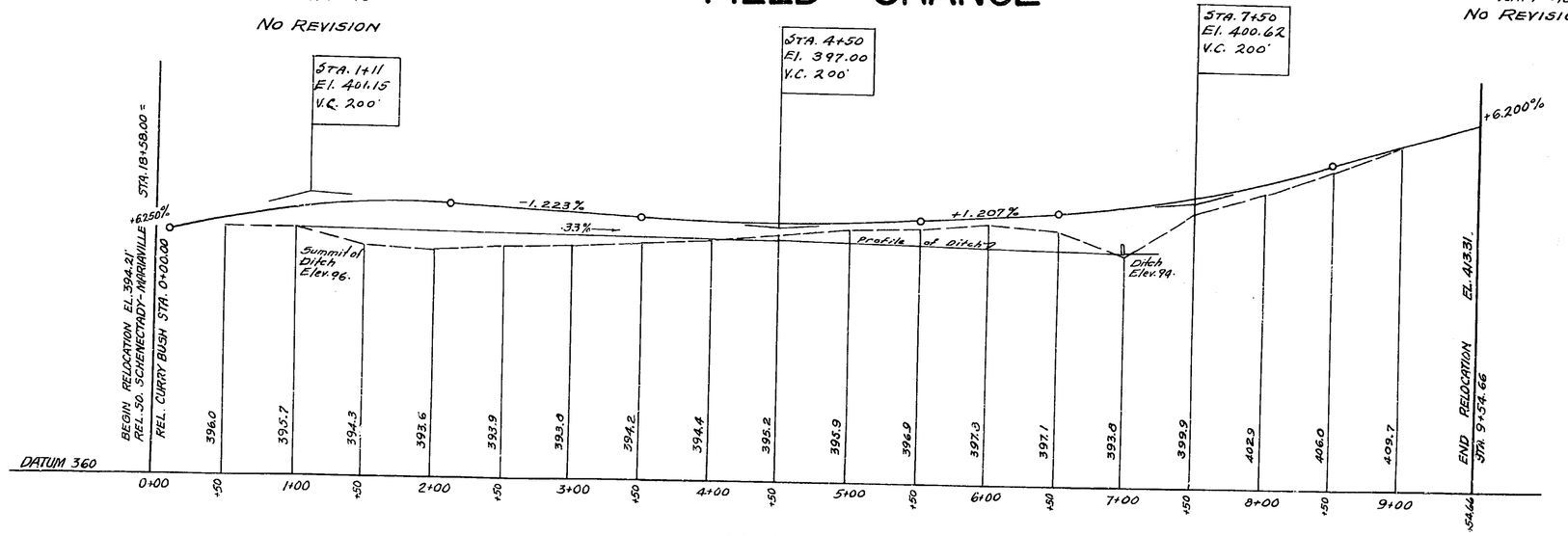
NO REVISION



PROFILE
INTERSECTION TO SOUTH SCHENECTADY–MARIAVILLE ROAD

Scale: Hor. 1" = 50'
Vert. 1" = 10'

NO REVISION



PROFILE
RELOCATED CURRY BUSH ROAD
PT. I CO. ROAD NO. 24R

Scale: Hor. 1" = 50'
Vert. 1" = 10'

PROFILE REVISED BY THIS FIELD CHANGE

Prepared and Recommend:
E. H. Harlow
E. H. HARLOW, V.P. N.Y. STATE P.E. LIC. NO. 20747
July 14 '53
DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

	Made by	Traced by	Checked by
PLAN			
PROFILE			

Prepared pursuant to the Highway Law and recommended by

Engineer District No. 1

July 21 1953

24:1

M.T. 100 S.T 58-7

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			138	157
MOHAWK SECTION, SUB DIVISION 1					

Clarence Van Valkenburg

T.E.

Map 151 Parcel 158

Easement Line

Wire fence & R.R. R/W line

D. & H. R.R. Co. R/W

RAIL ROAD

6" x 6" Semi-circular Concrete Culvert

Inv. El. 394.61

Wire Fence & Brush

Power line

General Electric Co.

TRUE NORTH

E.V. Lucas leased by G.E.

℄ CURVE DATA
R = 5200'
Δ = 52°-07'-54.42"
T = 2543.62
L = 4731.33

Radio Pole Mast 136' High

Wire Fence

R.O.W.

1018.000N

585.000 E

Fee Map 150 Parcel 157

℄ STA. 6075+09.92
N 707,799.38
E 384,976.91
P.C. STA. 6075+33.23
R=5200'

6" Tile Underdrain (61)

10' Wide drainage ditch

Inv. El. 355.48

Wire fence

AZ. 174°-05'-40" 6" Tile Underdrain 726.27'

54.60'

60°

6073 AZ. 175°-31'-35" 6074

6075 6076 6077 6078 6079 6080 6081 6082 6083 6084 6085 6086 6087 6088 6089

22'

24" R.C.C.P.

(62) (63) (64) (64a) (65) (66) (67) (68) (69) (70)

MATCH LINE

New Ditch

N 1,001,793.76
E 384,922.60

New Drainage Ditch

Fee Map 152 Parcel 159

60" CMP (Temp.)

Delaware & Hudson R.R.

6'x6' Box Culvert

Fence line & brush line

PE Map 154 Parcel 161

Map 153 Parcel 160

DELAWARE & HUDSON RAILROAD BRIDGE

Contract Begins Sta. 6081+30

Pavement Begins Sta. 6082+00

Tack in R.R. Sp. Dist. 18.75'

Tack in R.R. Sp. Dist. 13.60'

Tack in R.R. Sp. Dist. 18.00'

12°00 Sta. 6079+41.91 101'x28.24' 15 52°07'54" E

STA. 6079+49.61 = STA 11+35.87 R.R. ℄

B.M. #61 Cut mark on S.W. Corner of S. Headwall of R.R. Culvert Sta. 6078+59.00 92'L of Line El. 363.634

6073+21.52 N 388,436.37 E 385,193.37

EDGE OF PAVEMENT — NORTHBOUND DRIVE

CENTERLINE OF 6083 THRUWAY

12" S.P.

EDGE OF PAVEMENT — SOUTHBOUND DRIVE

Construct Temporary Drainage Ditch

For Details of D.&H. R.R. Bridge see sheets No.

New Drainage Ditch

E.V. Lucas

E.V. Lucas leased by G.E.

SURVEY BASE LINE

AZ. 163°-28'-00" 1286.71'

B.M. #62 Bolt in base of 20" Elm Sta. 6088+05.00 96'R of Line El. 351.119

Fee Map 155 Parcel 162

10' Wide drainage ditch

1018.500 E

585.000 E

P.V.I
STA. 6082+51.37
EL. 344.55'
V.C. 500'
M.O. +1.19

PLAN
Scale: 1" = 50'

NORTH BOUND SOUTH BOUND

-1.490 %

+0.420 %

Profile of New Drainage Ditch

THEORETICAL GRADE LINE

DATUM 300

STA 6073+76 ELEV. 357.59'

STA 6089+84 ELEV. 347.52'

361.0 362.0 361.4 362.9 361.0 362.0 360.3 361.2 359.5 360.0 359.3 359.7 358.8 358.8 358.6 358.6 358.3 358.5 358.1 358.5 358.2 358.4 359.0 360.4 363.4 368.5 355.3 356.0 355.2 355.7 354.8 356.0 355.2 356.0 354.5 355.8 354.5 355.7 353.8 354.7 352.6 353.7 352.3 353.0 352.0 352.7 352.0 351.6 351.9 351.5 352.1 351.2 352.2 351.5 350.4 351.4 350.0 351.3 350.5 350.3 350.2 349.8 349.4 349.0 349.2 348.5

+76 +26 +76 +26 +76 +27 +77 +27 +76 +27 +76 +26 +85 +35 +85 +36 +86 +36 +86 +35 +86 +35 +85 +34 +85 +35 +85 +34 +84 +35 +85 +35 +84

PROFILE
Scale: Hor. 1" = 50'
Vert. 1" = 10'

Prepared and Recommended:

E.H. HARLOW, V.P. N.Y. STATE P.E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

	Made by	Traced by	Checked by
PLAN	P. Klecan	G. Niponiez	E. Kmiotek
PROFILE	P. Klecan	M.A. Pineda	E. Kmiotek

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No.

195

3 Z. 6074 - 6089 481-3-0A 53

M.T. 53-3 S.F. 53-7

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			130	157

MOHAWK SECTION, SUB DIVISION 1

130R

Clarence Van Valkenburg

T.E. Map 151 Parcel 158

General Electric Co.

T.E.

TRUE NORTH

E.V. Lucas leased by G.E.

℄ CURVE DATA
R = 5200'
Δ = 52°-07'-54.42"
T = 2549.62
L = 4731.33

Easement Line

Wire fence

14"± & of two track RR detour

D.&H. R.R. Co. Easement 120.00'

Wire fence & R.R. Fence

6079+21.52 N 583,388.96 E 583,109.37

6"x6" Semicircular Concrete Culvert

Track El 344.6'

Wire Fence & Bush

Property line

Radio Mast Guyed 136' High

Wire Fence

L.B.M.#61 Iron rod on S.W. Corner of S. Abutment Wall of C.R.R. Culvert Sta. 6078+99.00 92' L of Line El. 363.834

Fee Map 150 Parcel 157

Loudoun

585.000 E

Δ Sta. 6075+08.92 N 1,010,992.38 E 584,976.91

P.C. Sta. 6075+33.25 R=5200'

R.O.W.?

6" Tile Underdrain (61)

10' Wide drainage ditch

Inv. El. 355.48

63

AZ. 174°-05'-40" 726.27'

54.60'

90°

24" R.C.C.P.

6073 AZ. 175°-31'-35.23" 6075 6076 6077 6078

22'

22'

24" R.C.C.P.

62

MATCH LINE

New Ditch

N 1,017,783.76 E 584,922.60

New Drainage Ditch

R.O.W.?

64

New Ditch

60" CMP (temp)

Delaware & Hudson R.R.

6'6" Box Culvert

64a

66

Fee Map 152 Parcel 159

65

Fee Map 154 Parcel 161

Easement Line

Map 153 Parcel 160

DELAWARE & HUDSON RAILROAD BRIDGE

Sta. 6079+49.61 = Sta. 11+35.87 R.R. ℄

Track in R.R.T.S. Dist. 18.75'

Track in R.R.T.S. Dist. 13.60'

Track in R.R.T.S. Dist. 18.80'

Sta. 6080+00 El. 362.424 N 1,010,430.24 E 584,930.30

Fence Post & Bush

Fence Post & Bush

Contract Begins Sta. 6081+30

Pavement Begins Sta. 6082+00

For Details of D.&H. R.R. Bridge see sheets No.\

Construct Temporary Drainage Ditch

68

69

New Ditch

New Drainage Ditch

E.V. Lucas

1018.900 E

585.000 E

R.O.W.?

Fee Map 155 Parcel 162

AZ. 163°-28'-00" 1286.71'

B.M.#62 Bolt in base of 20" Elm Sta. 6088+05.00 96' R of Line El. 351.119

25" R.C.C.P.

24" R.C.C.P.

174 L.F. 6" Tile Underdrain CONT. FROM 53-3

28

SURVEY BASE LINE

10' Wide drainage ditch

EDGE OF PAVEMENT — NORTHBOUND DRIVE

6087 6088 6089

22'

22'

6081 CENTERLINE OF 6083 THRUWAY 6082

12" S.P.

6E

61

EDGE OF PAVEMENT — SOUTHBOUND DRIVE

E.V. Lucas leased by G.E. 70

24" R.C.C.P.

MATCH LINE

PLAN

Scale: 1" = 50'

PV.1
STA. 6082+51.37
EL. 344.55'
V.C. 500'
M.O. +1.19

NORTH BOUND SOUTH BOUND

NORTH BOUND SOUTH BOUND

-1.490 %

Profile of New Drainage Ditch

THEORETICAL GRADE LINE

SOUTH BOUND NORTH BOUND

+0.420 %

Profile of New Drainage Ditch

STA. 6073+76 ELEV. 357.59'

STA. 6089+84 ELEV. 347.62'

DATUM 300

| | | |

M.T. 53-3 R.C. 53-19

STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
N.Y.			131	157

MOHAWK SECTION, SUB DIVISION 1

E.V. Lucas
Leased by General Electric

Radio pole wood, 136' high

Radio pole wood, 165' high

6097+38.23
1016,633.45 N
585,388.35 E

Wire fence

SURVEY BASE LINE AZ 163°-28'-00"
1286.71

R.O.W.?

EDGE OF PAVEMENT — NORTHBOUND DRIVE

6088 6089 6090 6091 6092

22' 22'

B.M.#62

16" Maple dist. 48.65'

24" RCCP

6" Elm dist. 39.30'

12" Maple dist. 25.35'

℄ CENTERLINE OF THRUWAY

AZ 163°-28'-00" 556.43

Wire fence & Ditch

10" Ridge drainage ditch

MATCH LINE

E.V. Lucas

BM#62 Bolt in Base of 20" Elm-Sta 6088+05.00 95' R. of line El. 351.19

71

ABANDONED R.R. BED

Fee Map 155 Parcel 162

Fee Map 155 Parcel 163

Fee Map 156 Parcel 162

585.500 E

1016.000 N

Harry Wilty

T.E. Map 304 Parcel 334

Cabin

2 car garage

DIRT DRIVEWAY

2 story frame House

Wire fence

72

6096 6097 6098 6099 6100

27" Spruce Dist. 35.35'

4" Maple dist. 33.53'

6" Fence post dist. 31.54'

K 12+00
Sta 6097+44.26
1,015,641.59 W
585,538.07 E

5' MACADAM DRIVEWAY

2 story frame house

Old Stone Pound'n

Cut house

36" Dead Dist. 6.47'

Pole #1 NYP 2008 NTT 132 Dist 65.86' W/Trans.

2 Power

Pole NYP 1969 NTT 130

Pole NYP 1968 NTT 129

Pole NYP 1967 NTT 128

Pole NYP 1966 NTT 127

Pole NYP 1965 NTT 126

Pole NYP 1964 NTT 125

Pole NYP 1963 NTT 124

Pole NYP 1962 NTT 123

Pole NYP

M.T. 53 S.C. 53-19

STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
N. Y.			131	157

MOHAWK SECTION, SUB DIVISION 1

131R

E.V. Lucas
Leased by General Electric

Radio pole wood, 136' high

Radio pole wood, 103' high

Wire fence

SURVEY BASE LINE AZ. 163°-28'-00" 1286.71

EDGE OF PAVEMENT — NORTHBOUND DRIVE

EDGE OF PAVEMENT — SOUTHBOUND DRIVE

CENTERLINE 6094 OF THRUWAY

AZ. 163°-28'-00" 558.43'

6088 6089 6090 6091 6092 6093 6094 6095 6096 6097 6098 6099 6100 6101 6102 6103 6104

22' 22'

12" Apple dist. 52.35'

6" Elm dist. 39.30'

16" Apple dist. 48.65'

24" RCCP

ABANDONED R.R. BED

MATCH LINE

BM #62 Bolt in Base of 20" Elm, Sta. 6088+05.00 96' N. of line El. 351.119

Wire fence & brush

10" Wire drainage ditch

New Drainage Ditch

R.O.W. 7

Fee Map 155 Parcel 162

Fee Map 156 Parcel 163

Fee Map 158 Parcel 164

Fee Map 158 Parcel 165 With Access

Fee Map 159 Parcel 166

Fee Map 161 Parcel 168 With Access

Fee Map 175 Parcel 188 With Access

Fee Map 179 Parcel 190

Fee Map 180 Parcel 191 With Access

Fee Map 180 Parcel 167

P.E. Map 179 Parcel 189

℄ CURVE DATA
R = 5200'
Δ = 52°-07'-54.42"
T = 2543.62
L = 4731.33

TE Map 304 Parcel 334

Harry Wilty

TRUE NORTH

Pole NYT 3965 W.T. 1301

Hydrant 16w

Wire fence

385.500 E

1016.000 N

2 car garage

DIRT DRIVEWAY

2 story frame house

Old stone found'n

Old house

2 story frame house

2 Power

Pole NYT 3966

Pole NYT 3965

Wire pole NYT 3966 dist. 61.00' 3 Power 1 Tel.

MACADAM DRIVEWAY

Barn

Wire fence

New Ditch

Box Culvert

5'x5'

BM #63 Cut mark on N.E. Corner N. Headwall Culvert - Route 7 Sta. 6097+73.00 190' R. of line El. 344.154

P.I. N 1,015,257.89 E 585,121.00

AZ. 229°-15'-50" 555.86'

AZ. 64°-58'-10" Dist. 473.26'

N 1,015,559.46 E 585,960.82

R = 2000'

P.C. STA. 14+29.70

REL. SCHENECTADY-DUANESBURG

AZ. 55°-03'-03" 13+00

For Plan & Profile of Rel. Schenectady-Duanesburg Road see Sheets No. 132-134

For Bridge Details see Sheets No. 42-53

Note: Provide Trench Culvert & Bridge Excavation, Item 5, for Utilities A.O.B.E.

4" Cherry dist. 20.60' 4" Cherry dist. 24.05' 4" Cherry dist. 33.65'

AZ. 135°-25'-00" 531.30'

AZ. 135°-25'-00" 594.40'

43'

H.P.

24" RCCP

STA. 11+54.63 = STA. 6100+80.98

P.I. STA. 10+00 ON ROUTE 7

24" S.P.

22" S.P.

6102 12" S.P.

Ash 33.53' dist. 6" Fence post dist. 31.54'

27" Spruce dist. 30.30'

K 12+00 STA. 6097+47.00

1,015,641.59 E 585,538.07

36" Elm dist. 46.67'

Wire pole NYT 3966 dist. 61.00' 3 Power 1 Tel.

6101 +50.06 N 6015.19 E 585.19 E

MATCH LINE

PLAN
Scale: 1" = 50'

PROFILE
Scale: Hor. 1" = 50'
Vert. 1" = 10'

NORTH BOUND SOUTH BOUND THEORETICAL GRADE LINE

Profile of New Drainage Ditch 7

℄ RELOC. SCHENECTADY-DUANESBURG BRIDGE

+0.420%

DATUM 310

STA. 6089+35 EL. 347.42

STA. 6104+39 EL. 365.73

6089 -35 6090 -34 6091 -35 6092 -35 6093 -36 6094 -37 6095 -39 6096 -40 6097 -42 6098 -45 6099 -28 6100 -31 6101 -34 6102 -36 6103 -37 6104 -39

349.4 349.0 | 349.2 348.5 | 349.3 348.7 | 348.8 348.7 | 348.3 348.3 | 347.0 347.5 | 346.4 346.4 | 346.3 349.0 | 347.6 346.9 | 347.6 347.3 | 348.0 347.8 | 347.5 347.5 | 348.3 347.7 | 348.8 348.5 | 349.0 348.9 | 348.7 348.8 | 349.2 348.4 | 348.8 348.0 | 347.6 348.4 | 350.2 349.0 | 352.5 350.3 | 353.8 352.1 | 355.3 354.8 | 355.6 355.4 | 356.4 356.1 | 356.7 356.0 | 355.6 349.9 | 356.9 355.9 | 360.5 358.6 | 363.9 361.3 | 365.3 362.0

Prepared and Recommended:

E. H. HARLOW V.P. N. Y. STATE P. E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N. Y.

	Made by	Traced by	Checked by
PLAN	P. Klecan	G. Nipenicz	E. Kmiotek
PROFILE	P. Klecan	M. A. Pineda	E. Kmiotek

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No. 195

M.T. 53-3 R.C. 53-19

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			132	157
MOHAWK SECTION, SUB DIVISION 1					

B.M. #63 – Cut mark on N.E. corner N. headwall Culvert Route #7 Sta. 6097+23.00 190' Right of Line Elev. 344.154'

GRADE AND PAVE TURNAROUND
2½" Asphalt Concrete, Optional - Item 51C
9" Foundation Course Gravel - Item 39R

GRADE AND PAVE HIGHWAY INTERSECTION
2½" Asphalt Concrete, Optional, Item 51C
9" Foundation Course Gravel, Item 39R

BEGIN RELOCATION TRANSITION TO EXISTING PAVEMENT
Sta. 0+90.00
N 1,014,296.84
E 584,830.79
Az. 23°-44'-00" 190.00'
Sta. 0+00.00
N 1,014,104.16
E 584,907.43
Chord out 18.82' Spike in N.E. Corner Post Dist. 2.80'

Sta. 1+54.00
N 1,014,096.14
E 585,061.70
Az. 31°-31'-20" 189.35'
Sta. 3+94.07
N 1,015,001.12
E 585,061.70
Az. 39°-49'-40" Dist. 240.92'
Sta. 5+00
N 1,014,967.14
E 585,300.75
Az. 55°-03'-05.73" 1000.00'
Sta. 15+00
N 1,015,539.46
E 585,948.02
Az. 55°-03'-05.73" 1038.30'
Sta. 25+38.30
N 1,015,844.37
E 586,972.32

Sta. 6097+44.86
N 1,015,641.39
E 585,538.01
Az. 63°-28'-00" 556.43'
Sta. 6103+59.06
N 1,015,198.60
E 585,961.12
Az. 64°-38'-10" Dist. 479.26'
Sta. 6097+64.66
N 1,015,622.02
E 585,538.06
Az. 135°-25'-00" 594.40'
Sta. 11+54.63 = Sta. 6100+80.99
Sta. 6097+23.00
N 1,015,418.90
E 585,394.70
Az. 135°-25'-00" 1000.00'
Sta. 0+00.00
N 1,014,295.84
E 584,584.30
Az. 135°-25'-00" 1000.00'
Sta. 10+00.00
N 1,015,000.00
E 585,500.00

P.C. Sta. 41+23.70
R = 2000'
N 1,015,500.00
E 586,006.00

CURVE DATA
R = 2000'
Δ = 43°-01'-12.27"
T = 788.23
L = 1501.68

CURVE DATA
Δ = 32°-01'-54.42"
R = 3200'
T = 254.3.62
L = 479'.33

K 3+94.07
N 1,015,001.12
E 585,061.70

K 9+44.25
N 1,015,249.04
E 585,348.95

K 12+00 = Sta. 6097+44.86
N 1,015,641.39
E 585,538.01

K 16+79.26
N 1,015,844.37
E 585,972.32

Sta. 6097+64.66
N 1,015,622.02
E 585,538.06

G103+59.06
N 1,015,198.60
E 585,961.12

Sta. 11+54.63 = Sta. 6100+80.99

Sta. 6097+23.00
N 1,015,418.90
E 585,394.70

Sta. 10+00.00
N 1,015,000.00
E 585,500.00

P.C. Sta. 41+23.70
R = 2000'
N 1,015,500.00
E 586,006.00

Sta. 15+00
N 1,015,539.46
E 585,948.02

Sta. 25+38.30
N 1,015,844.37
E 585,972.32

Sta. 0+00.00
N 1,014,295.84
E 584,584.30

Sta. 0+90.00
N 1,014,296.84
E 584,830.79

Sta. 1+54.00
N 1,014,096.14
E 584,907.43

Sta. 3+94.07
N 1,015,001.12
E 585,061.70

Sta. 5+00
N 1,014,967.14
E 585,300.75

Sta. 6+00.00
N 1,015,000.00
E 585,500.00

Sta. 6097+44.86
N 1,015,641.39
E 585,538.01

Sta. 6097+64.66
N 1,015,622.02
E 585,538.06

Sta. 6103+59.06
N 1,015,198.60
E 585,961.12

Sta. 6097+23.00
N 1,015,418.90
E 585,394.70

Sta. 11+54.63 = Sta. 6100+80.99

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			132	157

MOHAWK SECTION, SUB DIVISION 1

132R

PLAN

RELOCATED SCHENECTADY-DUANESBURG ROAD

P.T.1 S.H.880 ON ROUTE 7

Scale: 1"=50'

NOTE:
Grade & pave driveway with 9" Found. Course Gravel Item 39 R I.O.B.E.

Prepared and Recommended:

E.H. HARLOW, V.P. N.Y. STATE P.E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

Made by A. Manfredi | Traced by B. Kirsch | Checked by E. Knioler

PLAN
PROFILE

Prepared Pursuant to the Highway Law and Recommended by

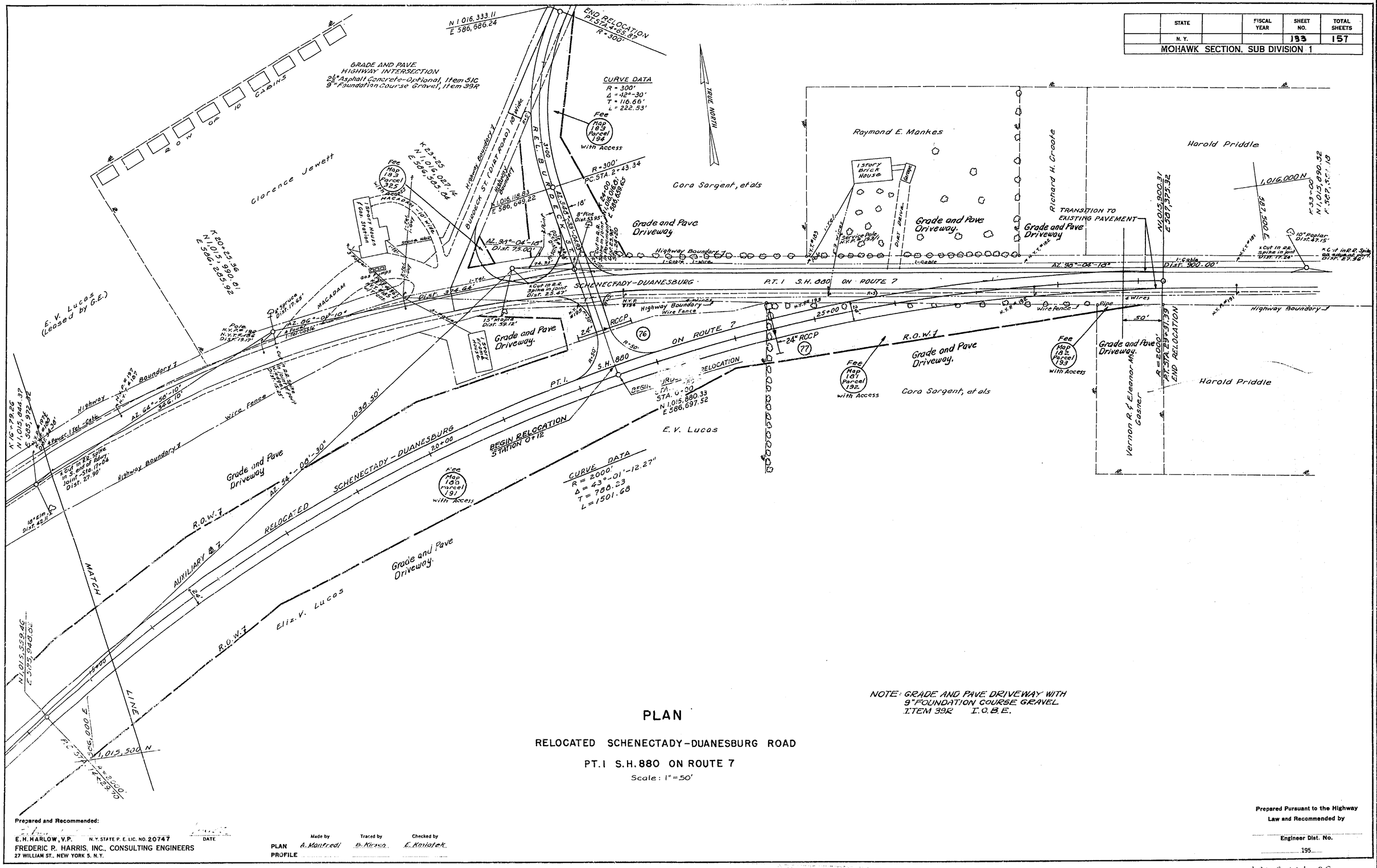
Engineer Dist. No.

195

24:1

R.C. 58-19

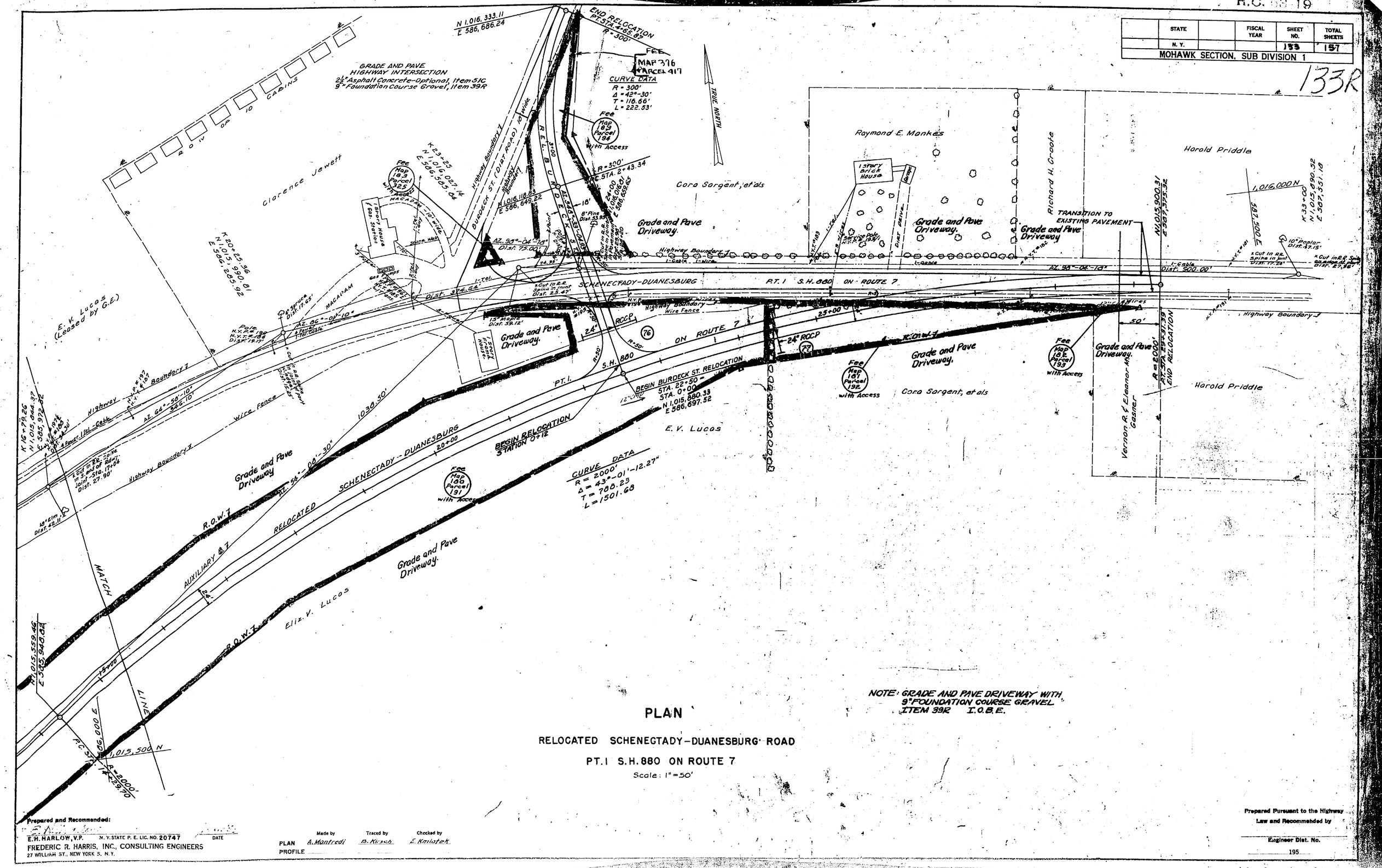
	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			133	157
MOHAWK SECTION, SUB DIVISION 1					


GRADE AND PAVE HIGHWAY INTERSECTION
2½" Asphalt Concrete-Optional, Item 51C
9" Foundation Course Gravel, Item 39R
2 OF 10 CABINS
Clarence Jewett
E. V. Lucas (Leased by G.E.)
N 1,016,333.11 E 586,686.24
END RELOCATION PI STA 4+65.82 R=300'
CURVE DATA R = 300' Δ = 42°-30' T = 116.66' L = 222.53'
Fee Map 195 Parcel 194 with Access
Fee Map 193 Parcel 325 with Access
K 23+25 N 1,016,027.14 E 586,585.04
K 20+23.96 N 1,015,990.81 E 586,285.92
Highway Boundary
BURDOCK ST. (DIST. ROAD) 16' Wide
RELOCATED SCHENECTADY-DUANESBURG ROAD
R=300' PC STA 2+43.34
N 1,016,118.83 E 586,649.22
AZ. 94°-04'-10" Dist. 75.00'
Cora Sargent, et als
Raymond E. Mankes
1 Story Brick House
Grade and Pave Driveway
Grade and Pave Driveway.
Harold Priddle
Richard H. Groote
TRANSITION TO EXISTING PAVEMENT
N 1,015,900.31 E 587,375.32
1,016,000 N
582,500 E
N 1,015,890.52 E 587,577.18
AZ. 90°-04'-10" Dist. 300.00'
SCHENECTADY-DUANESBURG P.T. 1 S.H. 880 ON ROUTE 7
Highway Boundary
Wire Fence
Pipe
4 Wires
50'
R.O.W. 1
24" RCCP
25+00
Fee Map 195 Parcel 192 with Access
Fee Map 195 Parcel 193 with Access
Cora Sargent, et als
Harold Priddle
R = 2000'
PT STA 29+31.39
END RELOCATION
Vernon R. & Eleanor M. Gasner
TRUE NORTH
Grade and Pave Driveway
AZ. 64°-50'-10" 326.10
Highway Boundary
Wire Fence
1030.50'
Grade and Pave Driveway
AZ. 54°-09'-30"
BEGIN RELOCATION STATION 0+12
N 1,015,880.33 E 586,697.52
E. V. Lucas
CURVE DATA R = 2000' Δ = 43°-01'-12.27" T = 788.23 L = 1501.68
RELOCATED SCHENECTADY-DUANESBURG
20+00
AUXILIARY Ⓡ 7
R.O.W. 7
Grade and Pave Driveway.
Eliz. V. Lucas
MATCH LINE
N 1,015,559.46 E 585,948.05
5+00
N 1,015,500 N
585,000 E
P.C. STA 1+42.39.70
Δ = 2°00'
Gas Pumps
Gas Station
1 Story House
1 Story Brick House
Garage
Barn
Shed
Macadam
Spruce Dist. 17.65'
Pole N 1,016,118.83 E 586,649.22 Dist. 19.17'
15" Maple Dist. 39.12'
10" Elm Dist. 42.11'
10" Poplar Dist. 49.15'
Cut in R.R. Spike in joint Dist. 25.47'
Cut in R.R. Spike in joint Dist. 27.90'
Cut in R.R. Spike on south end of Culvert Dist. 27.36'
Cut in R.R. Spike in joint Dist. 77.24'
Cut in R.R. Spike in joint Dist. 51.0 Dist. 27.90'
Cut in R.R. Spike in joint Dist. 27.36'
Cut in R.R. Spike in joint

R.C. 88 19

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			133	157
MOHAWK SECTION, SUB DIVISION 1					

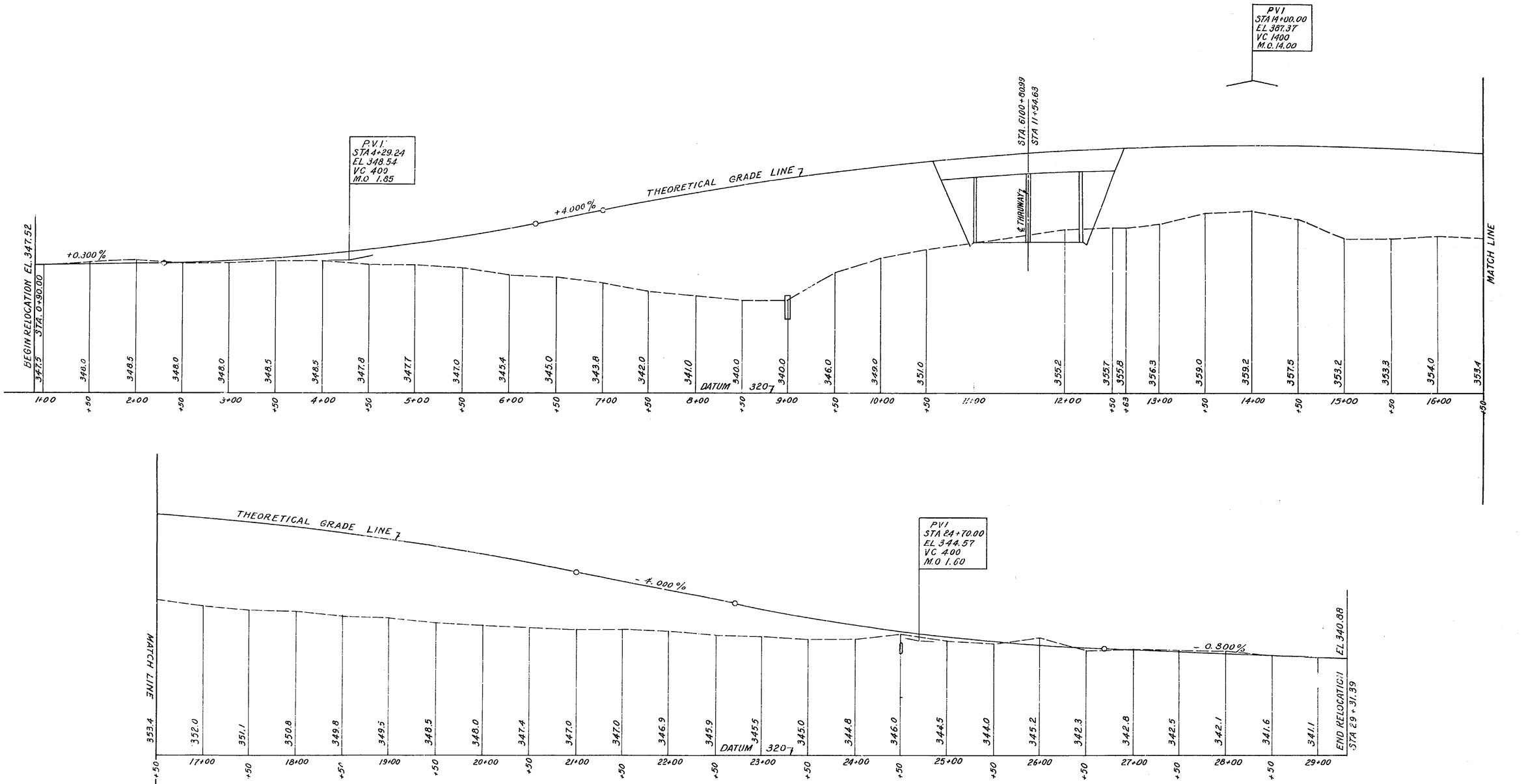
133R


GRADE AND PAVE HIGHWAY INTERSECTION
2½" Asphalt Concrete-Optional, Item 51C
9" Foundation Course Gravel, Item 39R
N 1,016,333.11
E 586,686.24
END RELOCATION PT. STA. 4+85.97
R=300'
FEE MAP 376 PARCEL 917
CURVE DATA
R = 300'
Δ = 42°-30'
T = 116.66'
L = 222.53'
TRUE NORTH
Fee Map 185 Parcel 194 With Access
Fee Map 185 Parcel 325 With Access
4 ROW OF 10 CABINS
Clarence Jewett
K 20+22.96
N 1,015,980.81
E 586,283.92
K 23+25
N 1,016,027.14
E 586,583.04
N 1,016,118.83
E 586,649.22
Highway Boundary
BURDECK ST. (OLD ROAD) 16' wide
Cora Sargent, et als
Raymond E. Monkes
1 story Brick House
Garage
Richard H. Groote
Harold Priddle
Grade and Pave Driveway.
TRANSITION TO EXISTING PAVEMENT
1,016,000 N
587,500 E
K 33+00
N 1,015,890.32
E 587,351.18
N 1,015,900.31
E 587,555.32
AZ. 98°-04'-13"
Dist. 300.00'
SCHENECTADY-DUANESBURG P.T. 1 S.H. 880 ON ROUTE 7
Highway Boundary
Wire Fence
Gas Line
Pole N.Y.P. 198 N.Y.T. 4198 Dist. 78.71
Spruce Dist. 17.65'
Maple Dist. 39.12'
Elm Dist. 42.11'
Spruce Dist. 27.90'
Apple Dist. 47.15'
Spruce Dist. 27.98'
Spruce Dist. 17.28'
Spruce Dist. 25.47'
Spruce Dist. 22.80'
Spruce Dist. 27.95'
Spruce Dist. 17.04'
Spruce Dist. 27.90'
Spruce Dist. 17.65'
Spruce Dist. 17.28'
Spruce Dist. 27.98

24:1

R.C. 53-19

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			184	157
MOHAWK SECTION, SUB DIVISION 1					



PROFILE

RELOCATED SCHENECTADY-DUANESBURG

PT. I, S.H. 880 ON ROUTE 7

Scale: Hor. 1"= 50'
Vert. 1"= 10'

Prepared and Recommended:

E. H. HARLOW, V.P. N.Y. STATE P. E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

	Made by	Traced by	Checked by
PLAN			
PROFILE	P. Klecan	M.A. Pineda	E. Kmiotek

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No.

195

481-3-10A-85

M.T. 53-3

	STATE		FISCAL YEAR	SHEET NO	TOTAL SHEETS
	N.Y.			135	157

MOHAWK SECTION SUB DIVISION I

B.M. #63 Bolt in base of 15" Pine
Sta 6119+40.00, 45' L. of Line
Elevation 336.234

6119+64.44
1,014,055.27 N
587,078.01 E

6103+59.06
1,015,198.6 N
585,561.2 E

6108+90.95
1,014,619.84 N
586,334.49 E

6112+17.24
1,014,587.45 N
586,563.32 E

℄ CURVE DATA
R = 3200'
Δ = 32°-07'-54.42
T = 2543.62
L = 4731.33

Wire Fence

4" Cherry dist. 20.60'
4" Sassafras dist. 33.65
4" Cherry dist. 24.05

R.O.W.

SURVEY BASE LINE

AZ. 135°-25'-00"
531.90'

4" Cherry Dist. 4.0'
3" Cherry dist. 6.82'
4" Cherry dist. 0.65'

B.M. #64 Bolt in base of 10" Birch
Sta 6109+30.00 6' L. of Line
Elev. 363.369

AZ. 135°-25'-00"
326.28'

4" Pine dist. 42.45'
3" Cherry dist. 19.33'
6" Cherry dist. 51.45'

586,500 E
1014,500 N

AZ. 135°-25'-00"
747.20'

TRUE NORTH

MATCH LINE

16" Pine dist. 3.50'
24" Pine dist. 19.80'
20" Pine dist. 15.60'

Fee
Map 84
Parcel 195

6104 12" S.P. 6105 6106 6107 6108 6109 6110 6111 6112 12" S.P. 6113 6114 CENTERLINE OF THRUWAY 6117 6118 6119 6120

22' 22' 22'

EDGE OF PAVEMENT — NORTHBOUND DRIVE

EDGE OF PAVEMENT — SOUTHBOUND DRIVE

24" RCCP (31) 24" RCCP (32) 24" RCCP (33)

MATCH LINE

1,015,000 N

586,000 E

E.V. Lucos

Fee
Map 160
Parcel 167

J. Stanek

R.O.W.

B.M. #65 Bolt in base of 15" Pine
Sta 6119+40.00 45' L. of line
Elev. 336.234

PLAN
Scale: 1" = 50'

PVI
STA 6107+70
EL. 355.13
VC 600
M.O. 0.99

NORTH BOUND — SOUTH BOUND

THEORETICAL GRADE LINE

+0.420 %

-0.900 %

Sta. 6103+38
El. 355.31

Sta. 6119+45
El. 344.55

| | | |

M.T. 53-3

STATE		FISCAL YEAR	SHEET NO	TOTAL SHEETS
N.Y.			135	151

MOHAWK SECTION SUB DIVISION 1

135R

B.M.#65 Bolt in base of 15" Pine
Sta 6119+40.00, 45' L. of Line
Elevation 336.234

6103+59.06
1015,196.60 N
585,961.12 E

6108+30.96
1014,819.84 N
586,334.49 E

℄ CURVE DATA
R = 5200'
Δ = 52°-07'-54.42
T = 2543.62
L = 4731.33

6112+17.24
1013,587.45 N
586,563.32 E

6119+64.44
1014,455.27 N
587,008.01 E

TRUE NORTH

Wire fence

4" Cherry dist. 20.60'

Assoc. Pres dist. 33.95

R.O.W.?

SURVEY BASE LINE

AZ. 135°-25'-00"
331.30'

4" Cherry dist. 24.05

4" Cherry Dist. 4.0'

3" Cherry dist. 6.60'

4" Cherry dist. 8.65'

B.M.#64 Bolt in base of 10" Birch
Sta 6109+30.00 6' L. of Line
Elev. 363.369

OUT

AZ. 135°-25'-00"
326.28'

4" Pine dist. 42.45'

3" Cherry dist. 19.95'

586,500 E

6" Cherry dist. 51.43'

1014,500 N

AZ. 135°-25'-00"
147.20'

R.O.W.?

MATCH LINE

16" Pine dist. 2.50'

24" Pine dist. 13.80'

20" Pine dist. 15.60'

Fee
Map 164
Parcel
195

6104 12" S.P. 6105 6106 6107 6108 6109 6110 6111 6112 12" S.P. 6113 6114 CENTERLINE OF THRUWAY 6117 6118 6119 6120

22' 22' 22'

24" R.C.C.P. (31) 24" R.C.C.P. (32) 24" R.C.C.P. (33)

EDGE OF PAVEMENT — NORTHBOUND DRIVE

EDGE OF PAVEMENT — SOUTHBOUND DRIVE

24" R.C.C.P.

MATCH LINE

1015,000 N

586,000 E

E.V. Lucas

Fee
Map 160
Parcel 161

R.O.W.?

J. Stonak

B.M.#66 Bolt in face of 15" Pine
Sta. 6119+90.00, 45' L. of line
Elev. 336.284

PLAN
Scale: 1" = 50'

PVI
STA 6107+70
EL. 355.19
VC 600
M.O. 0.99

NORTH BOUND — SOUTH BOUND

THEORETICAL GRADE LINE

+0.420 %

-0.900%

Sta. 6103+38
El. 353.31

| | | |

M.T. 53-8

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			136	157
MOHAWK SECTION, SUB DIVISION 1					

CURVE DATA
R= 5200'
Δ= 52°-07'-54.42"
T= 2543.62
L= 4731.33

6119+64.44
N 1,014,055.27
E 587,088.01

C. Kowobus

T.E. Map 186 Parcel 197

Columbia Park Tavern J. Stanek

Wire Fence ⊥ ℄

MATCH LINE

T.E. Map 185 Parcel 196

J. Stanek

AZ. 135°-25'-00"
747.20'

B.M. #G5
Bolt in Base of 15" Pine
Sta. 6119+40.00, 45' L. of Line
Elev. 336.234'

16" Pine Dist. 3.30'

24" Pine Dist. 19.00'

20" Pine Dist. 15.60'

AZ. 128°-46'-20"
659.89'

R=5200
PT. STA. 6122+64.56
6122.1018
N 1,013,380.38
E 587,979.60

30°

55.50'

R.O.W. ℄

TRUE NORTH

Fee Map 184 Parcel 195

MATCH LINE

T.E. Map 185 Parcel 196

Columbia Park Tavern
6126+23.33
N 1,013,642.86
E 587,601.71

PARKING LOT

1 Story Frame House

2 Story Frame House

COLUMBIA PARK

588,000 E

1,013,500 N

R.O.W. ℄

J. Stanek

Fee Map 184 Parcel 193

6131+62.47
N 1,013,305.04
E 588,022.05

POLE N.Y.T.-1 N.Y.P. 20-A

Wire Fence ⊥ ℄

22'

6118 6119 6120 6121 6122 6123 CENTERLINE 6124 OF 6125 THRUWAY 6126 6127 6128 6129 6130 6131 6132 6133 6134

SURVEY BASE LINE ℄

EDGE OF PAVEMENT SOUTH BOUND DRIVE

EDGE OF PAVEMENT NORTH BOUND DRIVE

24" R.C.C.P.

84 85 86 87

16" Pine Dist. 10.4'

5" Pine Dist. 17.2'

5" Pine Dist. 16.3'

8" Pine Dist. 11.9'

AZ. 120°-46'-20"
539.14'

POLE N.Y.T.-3 N.Y.P. 20-C

Swings

16" Pine Dist. 14.7'

Fence Post Dist. 12.2'

AZ. 123°-23'-41.41"

12" S.P.

AZ. 122°-30'-20"
615.95'

18" Pine Dist. 20.0'

MATCH LINE

R.O.W. ℄

J. Stanek

N 1,013,857.67
E 587,244.65

587,500 E

1,013,500 N

Wire Fence

New ditch

Roy Wagoner

P.E. Map 299 Parcel 329

D.M. #G6
Bolt in Base of 12" Cherry
Sta. 6126+60.00, 50' R. of Line
Elev. 332.199'

Fee Map 188 Parcel 193

Fee Map 187 Parcel 198

H. Conger

Wire Fence ⊥ ℄

MATCH LINE

H. Conger

Wire Fence ⊥ ℄

PLAN

Scale: 1"=50'

-0.900 %

THEORETICAL GRADE LINE

PVI
STA 6132+70
EL. 332.63
V.C. 600
M.O. 0.30

NORTH BOUND — SOUTH BOUND

	6119	6120	6121	6122	6123	6124	6125	6126	6127	6128	6129	6130	6131	6132	6133	6134
	+43	+93	+45	+95	+52	+03	+53	+03	+54	+05	+55	+04	+54	+05	+56	+07	+57	+07	+57	+08	+57	+06	+57	+06	+57	+06	+57	+06	+52	+01	+51	+02	+52
NORTH BOUND	335.7	335.7	335.7	334.8	333.4	333.8	334.7	336.1	334.8	333.7	333.0	334.3	334.0	333.8	333.5	333.8	333.9	334.1	333.5	331.5	331.2	330.7	330.9	331.3	331.9	332.0	331.5	331.4	330.4	330.4	329.9	330.4	330.5
SOUTH BOUND	334.6	335.3	334.3	333.3	331.9	332.2	333.0	335.0	333.2	331.5	331.7	334.0	333.8	333.3	333.3	333.6	333.8	333.8	333.0	331.5	331.0	331.0	331.2	331.4	332.5	331.7	330.7	331.1	331.0	330.7	330.0	329.8	330.0

Sta. 6119+43 El. 345.43'

Sta. 6134+32 El. 331.76'

DATUM 290'

PROFILE

Scale: Hor. 1"=50'
Vert. 1"=10'

Prepared and Recommended:

E. H. HARLOW, V. P. N.Y. STATE P. E. LIC. NO. 50747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N. Y.

	Made by	Traced by	Checked by
PLAN	A. Manfredi	G. Niparicz	E. Kajotek
PROFILE	A. Manfredi	M.A. Pineda	E. Kmiotek

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No. 195

#35 6119-6134 481-3-10A-61

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			136	157
MOHAWK SECTION, SUB DIVISION 1					

136R

CURVE DATA
R = 5200'
Δ = 52°-07'-54.42"
T = 2543.62
L = 4731.33

J. Stanek

6119 + 64.44
N 1,014,035.27
E 587,038.01

T.E. Map 186 Parcel 197

C. Kowobus

Wire Fence ± 81

Columbia Park Tavern J. Stanek

MATCH LINE

T.E. Map 185 Parcel 196

R.O.W.

TRUE NORTH

MATCH LINE

T.E. Map 185 Parcel 196

Columbia Park Tavern

6126 + 29.33
N 1,013,642.66
E 587,601.71

DIRT PARKING LOT

COLUMBIA PARK

588,000 E

1,013,500 N

R.O.W.

6131 + 62.47
N 1,013,305.04
E 588,022.65

POLE N.Y.T. - 1 N.Y.P. 20-A

A.M. #63
Bolt in Base of 15" Pine
Sta. 6119 + 43.00, 43' L. of Line
Elev. 336.234'

AZ. 135°-25'-00"
747.20'

16" Pine Dist. 3.50'

24" Pine Dist. 19.80'

20" Pine Dist. 15.60'

AZ. 128°-46'-20"
658.89'

R = 5200'

PT STA 6122 + 10.18
N 1,013,901.38
E 587,279.60

55.80'

30°

SURVEY BASE LINE

Fee Map 184 Parcel 195

1st of 2 Frame House

2 Story Frame House

16" Pine Dist. 10.4'

5" Pine Dist. 17.2'

5" Pine Dist. 16.3'

5" Pine Dist. 11.9'

EDGE OF PAVEMENT NORTH BOUND DRIVE

AZ. 128°-46'-20"
339.14'

Fee Map 184 Parcel 193

Wire Fence

POLE N.Y.T. - 2 N.Y.P. 20-B

07

6132 AZ. 123°-23'-41" 6133 12" S.P. 6134

16" Pine Dist. 14.7'

Fence Post Dist. 12.2'

AZ. 122°-30'-20"
615.95'

16" Pine Dist. 20.0'

22'

6118 6119 6120 6121 6122 6123 CENTERLINE 6124 OF 6125 THRUWAY 6126 6127 6128 6129 6130 6131 6132 6133 6134

24" RCCP

84 EDGE OF PAVEMENT SOUTH BOUND DRIVE

85

86

POLE N.Y.T. - 3 N.Y.P. BASE

Swings

A.M. #66
Bolt in Base of 12" Cherry
Sta. 6123 + 60.00, 50' R. of Line
Elev. 332.199'

Fee Map 188 Parcel 193

Fee Map 187 Parcel 198

587,500 E

1,013,500 N

MATCH LINE

R.O.W.

J. Stanek

N 1,013,857.87
E 587,244.65

Wire Fence

Roy Wagener

New ditch

P.E. Map 299 Parcel 329

H. Conger

H. Conger

PLAN

Scale: 1" = 50'

PVI
STA 6132 + 70
EL. 332.63
V.C. 600
M.O. 0.30

-0.900 %

THEORETICAL GRADE LINE

NORTH BOUND

SOUTH BOUND

NORTH BOUND

NORTH BOUND

SOUTH BOUND

STA. 6118 + 43
EL. 345.42'

STA. 6134 + 32
EL. 331.76'

	6119	6120	6121	6122	6123	6124	6125	6126	6127	6128	6129	6130	6131	6132	6133	6134
	+43	+93	+45	+95	+52	+03	+53	+03	+54	+05	+55	+04	+54	+05	+56	+07	+57	+07	+57	+08	+57	+08	+57	+06	+57	+06	+57	+06	+52	+01	+51	+02	+52
	335.7	335.7	335.7	334.8	333.4	333.8	334.7	336.1	334.8	333.7	333.0	334.3	334.0	333.8	333.5	333.8	333.9	334.1	333.5	331.5	331.2	330.7	330.9	331.3	331.9	332.0	331.5	331.4	330.4	330.4	329.9	330.4	330.5
	334.3	335.3	334.3	333.3	331.9	332.2	333.0	335.0	333.2	331.5	331.7	334.0	333.8	333.3	333.3	333.3	331.8	333.8	333.0	331.5	331.0	331.0	331.2	331.4	332.5	331.7	330.7	331.1	331.0	330.7	330.0	329.8	330.0

DATUM 290

PROFILE

Scale: Hor. 1" = 50'
Vert. 1" = 10'

Prepared and Recommended:

E. H. HARLOW, V. P. N.Y. STATE P. E. LIC. NO. 20747 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

	Made by	Traced by	Checked by
PLAN	A. Manfredi	G. Hyance	E. Kriester
PROFILE	A. Manfredi	M. A. Pierce	E. Kriester

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No.
195

24:1

M.T. 53-3 S.T 53-7

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			137	157
MOHAWK SECTION, SUR DIVISION 1					

PLAN

Scale: 1"=50'

PROFILE

Scale: Hor. 1"=50'
Vert: 1"=10'

Prepared and Recommended:

E.H. HARLOW, V.P. N.Y. STATE P. E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N. Y.

	Made by	Traced by	Checked by
PLAN	A. Manfredi	G. Nipaniz	E. Kmiotek
PROFILE	A. Manfredi	B. Kirsch	E. Kmiotek

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No.

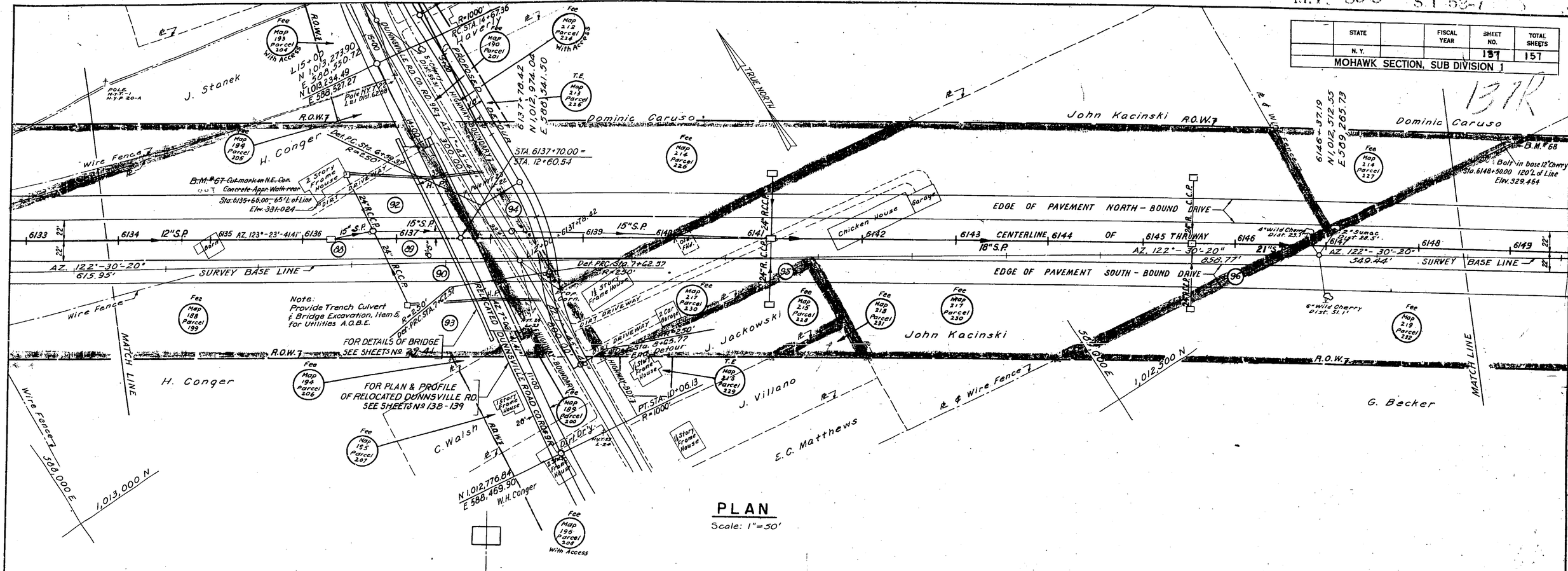
195

491-3-10A-82

M.T. 58-3 S.T. 58-7

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			137	157
MOHAWK SECTION, SUB DIVISION 1					

13R



PLAN

Scale: 1" = 50'

PROFILE

Scale: Hor. 1" = 50'
Vert. 1" = 10'

	Made by	Traced by	Checked by
PLAN	A. Manfredi	G. Nipanicz	E. Kimiotek
PROFILE	A. Manfredi	B. Kirsch	E. Kimiotek

Prepared and Recommended:

E.H. HARLOW, V.P. N.Y. STATE P.E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No. 195

S.T 53-7

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			138	157
MOHAWK SECTION, SUB DIVISION 1					

PLAN

RELOCATED DUNNSVILLE ROAD

CO. ROAD NO. 9R

Scale : 1" = 50'

Grade and Pave
Highway Intersections
2½" Asphalt Concrete-Optional, Item 51C
9" Foundation Course Gravel, Item 39R

NOTE: GRADE AND PAVE DRIVEWAY WITH 9" FOUNDATION COURSE GRAVEL ITEM 39R I.O.B.E.

Prepared and Recommended:

E. H. HARLOW, V.P. N. Y. STATE P. E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N. Y.

	Made by	Traced by	Checked by
PLAN	P. Kiecon	B. Mysak	E. Kmiotek
PROFILE			

Proparod Pursuant to the Highway Law and Recommended by

Engineer Dist. No.

195

481-3-10A-86

S.T 557

	STATE		FISCAL YEAR	SHT. NO.	TOTAL SHEETS
	N. Y.			156	157
MOHAWK SECTION, SUB DIVISION 1					

138R

For Curve Widening see
New York State Standard Sheet 50-1R

TRUE NORTH

Grade and Pave
Highway Intersections
2½" Asphalt Concrete-Optional, Item 51C
9" Foundation Course Gravel, Item 39R

CURVE DATA
R = 1000'
Δ = 13°-49'-41.41"
T = 121.26'
L = 241.35'

Detour Curve Data
R = 250'
Δ = 29°-30'-39"
T = 52'
L = 103'

Detour Curve Data
R = 450'
Δ = 10°-08'-16.76"
T = 39.92'
L = 79.62

Detour Curve Data
R = 400'
Δ = 18°-53'-11.53"
T = 66.53'
L = 131.85'

CURVE DATA
R = 1000'
Δ = 11°-10'-56.59"
T = 97.90'
L = 195.17'

Detour Curve Data
R = 450'
Δ = 10°-27'-30.30"
T = 41.12'
L = 82.08'

NOTE: GRADE AND PAVE DRIVEWAY WITH 9" FOUNDATION COURSE GRAVEL ITEM 39R I.O.B.E.

PLAN

RELOCATED DUNNSVILLE ROAD
CO. ROAD NO. 9R

Scale: 1" = 50'

Prepared and Recommended:

E.H. HARLOW, V.P. N.Y. STATE P.E. LIC. NO. 20747 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

PLAN Made by P. Klecan Traced by B. Mysak Checked by E. Kmiotek
PROFILE

Prepared Pursuant to the Highway Law and Recommended by

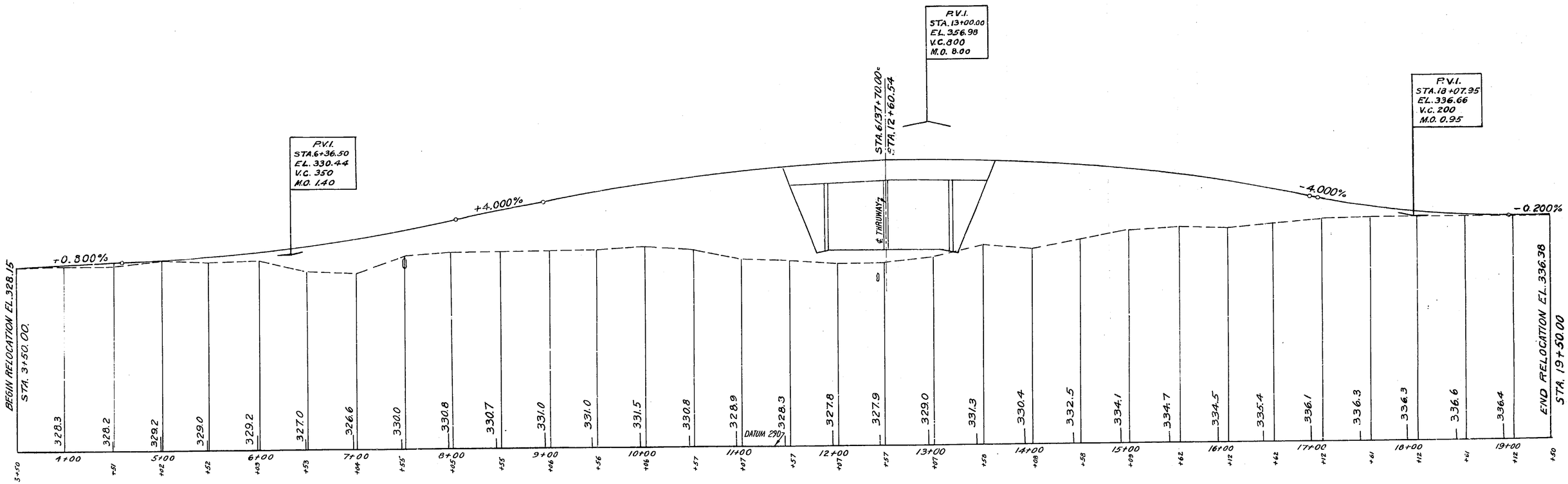
Engineer Dist. No.

195

24:1

S.T 53-7

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			139	157
MOHAWK SECTION, SUB DIVISION 1					



PROFILE

RELOCATED DUNNSVILLE ROAD

CO. ROAD NO. 9R

Scale: Hor. 1"=50'
Vert. 1"=10'

Prepared and Recommended:

E. H. HARLOW, V. P. N. Y. STATE P. E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N. Y.

	Made by	Traced by	Checked by
PLAN			
PROFILE	P.Klecan	S.Metzger	E.Kmiotek

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No. 195

491-100-37

M.T. 58-2

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			140	151
MOHAWK SECTION, SUB DIVISION 1					

CURVE DATA
R = 6000'
Δ = 19°-58'-56.51"
T = 1057.01
L = 2092.55

Dominic Caruso — Victor Olochnowicz — Victor Olochnowicz

589,500 E — 1,012,500 N — 590,500 E — 1,012,000 N

℄ wire fence — ℄ R.O.W. — ℄ wire fence, brush & trees — ℄ of stream — TRUE NORTH

B.M. #68 Bolt in base of 12" Cherry Sta. 6148+50.00 120' L. of Line Elev. 329.464'

Fee Map 214 Parcel 227

℄ STA. 6151+28.14 N 1,012,248.72 E 589,679.76 — PC STA. 6151+83.26 R=6000' — 6" Wild Cherry Dist. 45.9' — Line of Big Trees

6151+86.65 N 1,012,217.29 E 589,729.09

NEW YORK STATE POWER LINE — NEW YORK HIGH TENSION — R/W — Tower 32 — B.M. #69 — Cut mark on S.E. Footing Tower 32 – Sta. 6153+49.00 166' L. of Line Elev. 316.569'

Fee Map 220 Parcel 233 — Fee Map 222 Parcel 235 — Fee Map 221 Parcel 234

6159+85.83 N 1,011,787.81 E 590,403.09

B.M. #70 – Bolt in base of 36" Maple Sta. 6159+80.00 22' L. of Line Elev. 324.219'

Fee Map 222 Parcel 236

EDGE OF PAVEMENT NORTHBOUND DRIVE — EDGE OF PAVEMENT SOUTHBOUND DRIVE

6148 — 21"S.P. — 6149 — AZ. 103°-23'-41.41" — 6150 — AZ. 122°-30'-20" 349.44' — 6152 — 18" Apple Dist. 16.5' — 24" S.P. — 6154 — 6155 24"S.P. — 6156 — SURVEY BASE LINE ℄ — 6157 — 15"S.P. — 6158 — 6159 — 6160 CENTERLINE — 6161 15"S.P. OF — 6162 THRUWAY — 6163 — 12"S.P. — 6164

22' — 22' — 24"R.C.C.P. — 3.8° — 24"R.C.C.P. — 90° — 7.2' — 7.2'

(97) (98) (99) (100) (101)

AZ. 122°-30'-20" 799.20' — AZ. 103°-28'-20" 1273.73'

6" Wild Cherry Dist. 46.1' — 24" Oak Dist. 4.7' — B.M. #70 — 3" Wild Cherry Dist. 12.5' — 6" Birch Dist. 17.5'

77.46'

Pl. N 1,011,669.62 E 590,563.97

Fee Map 219 Parcel 232

MATCH LINE — MATCH LINE

R.O.W. ℄ — G. Becker — G. Becker — G. Becker — R.O.W. ℄

N 1,012,251.40 E 569,681.47

℄ wire fence — 7 WIRES — LIGHT & GAS CORP. — R/W — CORP. — small stream – 2'W. — B.W. fence — wire fence, brush & trees ℄

℄ STA. 6161+69.62 N 1,011,744.65 E 590,582.01

PLAN

Scale: 1" = 50'

P.V.I. STA. 6158+15 EL. 319.90 V.C. 600 M.O. -0.68

NORTH BOUND — -0.500% — THEORETICAL GRADE LINE — +0.400% — NORTH BOUND

SOUTH BOUND — SOUTH BOUND

STA. 6148+04 EL. 324.95 — STA. 6163+96 EL. 322.22

	6140	6149	6150	6151	6152	6153	6154	6155	6156	6157	6158	6159	6160	6161	6162	6163	6164
	+04	+54	+04	+54	+04	+55	+05	+55	+05	+55	+05	+55	+06	+55	+05	+55	+05	+55	+05	+55	+05	+55	+05	+55	+03	+36	+03	+41	+92	+43	+94	+44	+95	+46	+96
	328.0	327.0	326.5	326.2	325.0	325.0	323.5	323.3	323.0	322.6	324.5	324.0	324.9	.9	324.4	323.3	321.2	321.3	319.4	319.5	317.0	317.1	316.2	316.1	314.0	314.5	313.7	314.2	312.0	312.2	311.5	311.0	312.0	312.3	308.5	308.3	309.2	307.5	311.1	310.0	314.1	312.7	316.8	314.8	317.0	318.0	319.1	320.7	321.1	322.2	320.6	322.0	321.3	322.4	322.0	323.0	323.4	324.4	324.0	324.9	324.0	324.8	324.2	325.0	323.2	324.1

DATUM 2707

PROFILE

Scale: Hor. 1" = 50'
Vert. 1" = 10'

Prepared and Recommended:

E. H. HARLOW, V.P. N. Y. STATE P. E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N. Y.

	Made by	Traced by	Checked by
PLAN	A. Manfredi	G. Nipanicz	E. Kmiotek
PROFILE	A. Manfredi	G. Nipanicz	E. Kmiotek

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No. 195

ABI-3-10A-63

M.T. 53-3

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			140	157
MOHAWK SECTION, SUB DIVISION 1					

140R

"Dominic Caruso

589,500 E — 1,012,500 N — ℄ Wire Fence

B.M. #68 OUT — Bolt in base of 12" Cherry — Sta. 6148+50.00 — 120' L. of Line — Elev. 329.484'

Fee Map 214 Parcel 227

R.O.W.

Sta. 6151+28.4 — N 1,012,245.72 — E 589,679.76

PC STA. 6151+83.26 — R=6000'

6" Wild Cherry Dist. 45.9'

℄ Line of Big Trees

6151+86.65 — N 1,012,217.29 — E 589,729.09

NEW YORK STATE POWER LINE — 150' R/W

℄ Wire Fence

Tower 32

B.M. #69 — Cut mark on S.E. Footing Tower 32 - Sta. 6153+49.00 — 166' L. of Line — Elev. 316.569'

℄ Big Trees

℄ Edge of Stream

CURVE DATA
R = 6000'
Δ = 19°-58'-56.51"
T = 1057.01
L = 2092.55

TRUE NORTH

Wm. Evans
Victor Olochnowicz

590,500 E — 1,012,000 N

Victor Olochnowicz

Wire Fence, Brush & Trees ℄

Fee Map 231 Parcel 235

Fee Map 221 Parcel 234

6159+85.83 — N 1,011,787.81 — E 590,403.09

B.M. #70 — Bolt in base of 36" Maple — Sta. 6159+80.00 — 22' L. of Line — Elev. 324.219'

Fee Map 222 Parcel 236

EDGE OF PAVEMENT NORTHBOUND DRIVE

EDGE OF PAVEMENT SOUTHBOUND DRIVE

22' — 24' — 22'

6148 — 21" S.P. — 6149 — AZ 123°-23'-41.41" — 6150 — AZ 122°-30'-20" 349.44' — 6152 — 18" Apple Dist. 16.5' — 6154 — 24" S.P. — 6155 24" S.P. — 6156 — 6157 — 15" S.P. — 6158 — 6159 — 6160 CENTERLINE — 6161 15" S.P. OF — 6162 THRUWAY — 6163 — 12" S.P. — 6164

(97) (98) (99) (100) (101)

3.1%

8" Wild Cherry Dist. 46.1'

Fee Map 219 Parcel 232

MATCH LINE

G. Becker — R.O.W. ℄

N 1,012,251.40 — E 589,681.47

Wire Fence

NATURAL GAS & 7 WIRES LIGHT CORP. R/W

SURVEY BASE LINE

AZ 122°-30'-20" 799.20'

24" Oak Dist. 4.7'

B.M. #70 — 3" Wild Cherry Dist. 12.5'

6" Birch Dist. 17.5'

AZ 103°-28'-20" 1273.73'

24" R.C.C.P.

17.46'

P.I. N 1,011,659.62 — E 590,563.97

Sta. 6161+68.82 — N 1,011,744.95 — E 590,562.01

Wire Fence, Brush & Trees ℄

Small Stream - 2' Width

B.W. Fence

G. Becker — R.O.W. ℄

MATCH LINE

PLAN

Scale: 1" = 50'

P.V.I. STA. 6158+15 EL. 319.90 V.C. 600 M.O. -0.68

NORTH BOUND — -0.500% — THEORETICAL GRADE LINE — SOUTH BOUND — SOUTH BOUND — NORTH BOUND — +0.400%

STA. 6148+04 EL. 324.95 — STA. 6163+96 EL. 322.22

	6148	6149	6150	6151	6152	6153	6154	6155	6156	DATUM 2707	6157	6158	6159	6160	6161	6162	6163	6164
	320.0	326.5	325.0	323.5	323.0	324.5	324.9	324.4	321.2	319.4	317.0	316.2	314.8	313.7	312.0	311.5	312.0	308.5
	327.0	326.2	325.0	323.3	322.6	324.0	324.9	323.3	321.3	319.5	317.1	316.1	314.5	314.2	312.2	311.0	312.3	308.0
	+04	+54	+04	+54	+04	+55	+05	+55	+05	+55	+05	+55	+06	+55	+05	+55	+05	+55
	6148	6149	6150	6151	6152	6153	6154	6155	6156		6157	6158	6159	6160	6161	6162	6163	6164

	6157	6158	6159	6160	6161	6162	6163	6164
	308.5	311.1	314.1	316.8	317.8	319.1	321.1	320.6
	307.5	310.0	312.7	314.8	316.0	320.7	322.2	322.0
	+05	+55	+05	+55	+05	+56	+08	+41
	6157	6158	6159	6160	6161	6162	6163	6164

	6161	6162	6163	6164
	321.3	322.0	323.4	324.0	324.0	324.2	323.2
	322.4	323.0	324.4	324.9	324.8	325.0	324.1
	+92	+43	+94	+44	+95	+46	+96
	6161	6162	6163	6164

PROFILE

Scale: Hor. 1" = 50'
Vert 1" = 10'

Prepared and Recommended:

E.H. HARLOW, V.P. N.Y. STATE P.E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

	Made by	Traced by	Checked by
PLAN	A. Manfredi	G. Niponicz	E. Kmiotek
PROFILE	A. Manfredi	G. Niponicz	E. Kmiotek

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No. 195

6172 764 481-3-10A-63

M.T. 53-3

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			141	157
MOHAWK SECTION, SUB DIVISION 1					

CURVE DATA
R = 6000'
Δ = 19°-58'-56.51"
T = 1057.01
L = 2092.55

TRUE NORTH

MATCH LINE

Victor Olochnowicz

Wire Fence

R.O.W.

SURVEY BASE LINE

AZ. 103°-28'-20"
1273.73'

EDGE OF PAVEMENT NORTHBOUND DRIVE

EDGE OF PAVEMENT SOUTHBOUND DRIVE

6154 CENTERLINE OF 6166 THRUWAY

6165 12"S.P.

6167 6168 6169 6170 6171 6172 6173 12"S.P. 6174 6175 6176 12"S.P. 6177 6178 6179

22' 22'

40" Oak

102 103 104 105 106

@ 6172+26.82
N 1,011,498.69
E 591,609.94

14" Oak
Dist. 41.0'

24" Oak
Dist 18.6'

10" Oak
Dist 36.8'

90°

76.35'

R = 6000'

PT STA. 6172+75.81

6172+59.56
N 1,011,491.06
E 591,641.77

592,000 E

1,011,500 N

AZ. 103°-28'-20"
724.27'

B.M.#72 Bolt in base of 20" Poplar
Sta. 6178+80, 45'R. of Line
Elev. 309.429

24" R.C.C.P.

AZ. 103°-24'-44.90"

Stream

48" R.C.C.P.

Small Stream

MATCH LINE

B.M.#71 Bolt in Base of 24" Hickory
Sta. 6171+10.00, 95' right of Line
Elev. 312.844

N 1,011,424.44
E 591,592.15

Fe2
Mod
222
parcel
236

1,011,500 N

591,000 E

PLAN
Scale: 1" = 50'

P.V.I.
STA. 6170+90
EL. 325.00
V.C. 600
M.O. +1.20

SOUTH BOUND

NORTH BOUND

+0.400%

+2.000%

THEORETICAL GRADE LINE

STA. 6162+95
EL. 321.82

STA. 6179+00
EL. 341.20

DATUM 2707

	6163	6164	6165	6166	6167	6168	6169	6170	6171	6172	6173	6174	6175	6176	6177	6178	6179
	324.0	324.8	324.2	325.0	323.2	324.1	322.7	323.1	322.0	322.6	320.9	321.2	319.8	320.6	319.2	320.3	318.7	319.7	318.3	319.1	317.7	318.1	316.9	317.6	315.3	316.2	314.0	315.0	313.6	314.0	313.5	313.0	313.2	312.8	312.5	312.5	312.4	311.4	311.2	310.4	311.0	310.8	310.8	311.1	308.9	310.3	308.5	308.5	310.4	309.2	311.9	309.4	311.4	309.8	309.7	308.5	309.3	309.3	309.4	308.9	309.7	308.4	310.0	308.0	308.4	307.6
	+35	+46	+96	+47	+97	+48	+98	+49	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50	+50

PROFILE
Scale: Hor. 1" = 50'
Vert. 1" = 10'

Prepared and Recommended:

E. H. HARLOW, V. P. N.Y. STATE P. E. LIC. NO. 20747 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

	Made by	Traced by	Checked by
PLAN	A. Manfredi	M.A. Pineda	E. Kmiotek
PROFILE	A. Manfredi	B. Kirsch	E. Kmiotek

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No.

195

25 6154 - 6179 481-3-10A-Ed.

M.T. 53-2

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			141	157

MOHAWK SECTION, SUB DIVISION 1

141R

CURVE DATA
R = 6000'
Δ = 19°-58'-56.51"
T = 1057.01
L = 2092.55

TRUE NORTH

Victor Olochnowicz

MATCH LINE

Wire Fence

R.O.W.

SURVEY BASE LINE

AZ. 103° 28'-20"
1273.73'

EDGE OF PAVEMENT NORTHBOUND DRIVE

EDGE OF PAVEMENT SOUTHBOUND DRIVE

6164 CENTERLINE 6165 OF 12"S.P. 6166 THRUWAY 6167 6168 12"S.P. 6169 6170 6171 6172 6173 12"S.P. 6174 6175 6176 12"S.P. 6177 6178 6179

22' 22' 22' 22'

40" Oak

102 103 104 105 106

@ 6172+26.82
N 1,011,498.69
E 591,609.94

PI STA 6172+75.81
R = 6000'

6172+5956
N 1,011,491.06
E 591,641.77

24" Oak Dist 4.0'

24" Oak Dist 18.6'

10" Oak Dist 36.8'

76.35

AZ. 103° 28'-20"
T24.27'

B.M. #72 Bolt in base of 20" Poplar
Sta 6176+80, 45'R. of Line
Elev. 309.429

24" RCCP

Stream

48" RCCP

MATCH LINE

Small Stream

B.M. #71 Bolt in Base of 24" Hickory
Sta. 6171+10.00, 95' right of Line
Elev. 312.84

Fee Map 223 Parcel 256

1,011,500 N

591,000 E

N 1,011,424.44
E 591,592.15

Victor Olochnowicz

PLAN
Scale: 1" = 50'

P.V.I.
Sta. 6170+90
L = 325.00
V.C. 600
M.O. +1.20

+2.000%

THEORETICAL GRADE LINE

SOUTH BOUND

+0.400%

NORTH BOUND

STA. 6162+95
EL. 321.82

STA. 6179+00
EL. 341.20

DATUM 2707

| | | |

M. 1. 68-S

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			142	157
MOHAWK SECTION, SUB DIVISION 1					

B.M.#72 Bolt in base of 20"Poplar Sta. 6178+80 45'R of Line Elev. 309.429

6179+83.83 1,011,322.32 N 592,346.11 E

Stream

TRUE NORTH

R.O.W.?

4"Wild Cherry Dist. 24.6'

6"Wild Cherry Dist. 25'

AZ. 103°-28'-20" 724.27'

Snow Hub Dist. 38'

SURVEY BASE LINE

AZ. 103°-28'-20" 531.78

B.M.#72

EDGE OF PAVEMENT NORTHBOUND DRIVE

22'

12"S.P.

6179 6180 AZ. 103°-24'-44.90" 6181 CENTERLINE 6182 OF 6183 THRUWAY 6184 6185

EDGE OF PAVEMENT SOUTHBOUND DRIVE

MATCH LINE

Victor Olochnowicz

Fee Map 224 Parcel 236

592,500 E

1,011,000 N

N.Y. CENTRAL R.R.

AZ. 157°-48'-20" DIST. 1200.00'

6185+15.61 1,011,198.43 N 592,863.26 E

Wire fence & brush & willows

Fee Map 209 Parcel 315

Fee Map 209 Parcel 316

Fee Map 209 Parcel 239

Tel. Pole Dist. 63'

Tack in Tie Dist. 14.8'

Tel. Pole Dist. 43.4'

6.Baker Fee

Fee Map 224 Parcel 239

Highway Boundary

WESTCOTT ROAD

Highway Boundary

Fee Map 209 Parcel 238

Fee Map 209 Parcel 237

Wire fence & R/W ?

6188+66.49 N 1,011,116.68 E 592,204.48

N 1,011,044.10 E 593,187.10

AZ. 103°-28'-20" 111.76

6.Baker

R.O.W.?

595.00 E

6192+27.37 1,011,032.61 N 593,555.43 E

AZ. 103°-28'-20" DIST. 454.77'

1,011,000 N

Fence Post Dist. 19.9'

Fence Post Dist. 10.4'

Fence Post Dist. 21.8'

Fee Map 224 Parcel 241

74.64'

6188 6189 6190 6191 12"S.P. 6192 6193 6194 12"S.P.

22'

STA. 6186+45.03 = STA. 12+98.74

FOR DETAILS OF BRIDGE SEE SHEET Nº

U.S.C.&G. marker U-300 West Rabbit RR culvert. North of Mile post 151 Elev. 321.482

B.M.#73

Fence Post Dist. 2.2'

Fence Post Dist. 2.5'

Fence Post Dist. 2.5'

Fence Post Dist. 2.2'

Fence Post Dist. 2.2'

Fence Post Dist. 2.2

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			142	157

MOHAWK SECTION, SUB DIVISION 1

142R

M.T. 53-3

B.M.#72 Bolt in base of 20" Poplar
Sta. 6178+80 45'R of Line
Elev. 309.429

6179+83.83
1,011,322.32 N
592,346.11 E

6185+15.61 N
1,011,198.43 N
592,863.26 E

6189+66.49
N 1,011,116.68
E 593,204.18

N 1,011,044.10
E 593,187.10

6192+27.37
1,011,032.61 N
593,555.43 E

Stream

TRUE NORTH

R.O.W.

Fee Map 2.2.5 Parcel 2.6.1

Fee Map 2.2.4 Parcel 2.3.9

Fee Map 2.2.5 Parcel 2.3.7

Fee Map 2.2.6 Parcel 2.4.2

Fee Map 2.2.2 Parcel 2.3.6

Fee Map 2.2.3 Parcel 2.3.8

4" Wild Cherry Dist. 24.6'

6" Wild Cherry Dist. 25'

Snow Hub Dist. 3.8'

AZ. 103°-28'-20" 724.27'

AZ. 103°-28'-20" 531.78

AZ. 103°-28'-20" 711.76

AZ. 103°-28'-20" DIST. 454.77'

1,011,000 N

SURVEY BASE LINE

EDGE OF PAVEMENT NORTHBOUND DRIVE

EDGE OF PAVEMENT SOUTHBOUND DRIVE

CENTERLINE OF THRUWAY

B.M.#72

40' RCCP

36" RCCP

Tack in Tie Dist. 14.8

Tel. Pole Dist. 6.35'

Tel. Pole Dist. 43.4'

Fence Post Dist. 19.9'

Fence Post Dist. 10.4'

Fence Post Dist. 21.8'

6179 6180 6181 6182 6183 6184 6185 6188 6189 6190 6191 6192 6193 6194

12"S.P.

22'

107 108 109 110 112 113

AZ. 103°-24'-44.90"

STA. 6186+45.03 = STA. 12+98.74

FOR DETAILS OF BRIDGE SEE SHEET Nº

B.M.#73
U.S.C.+G.S. marker U 300 West Valley R.R. culvert North of Mile post 154
Elev. 321.482

Cont. N/53-3

Cont. N/53-3

MATCH LINE

592.500 E

STA. 183+77

1,011,000 N

CONTRACT N/53-3

CONTRACT M/53-9

CONTRACT M/53-3

Victor Olochnowicz

6. Baker

Higgins

Wire Fence & R/W

Wire Fence, brush & willow

N.Y. CENTRAL R.R.

AZ. 157°-48'-20" DIST. 1200.00'

WESTCUT ROAD

Highway Boundary

Map 2.2.5 Parcel 2.3.1

Map 2.2.9 Parcel 2.3.9

Map 2.2.8 Parcel 2.3.6

Map 2.2.9 Parcel 2.4.0

Map 2.2.8 Parcel 2.3.5

Map 2.2.9 Parcel 2.3.8

Map 2.2.8 Parcel 2.3.4

Map 2.2.9 Parcel 2.4.1

Map 2.2.8 Parcel 2.3.3

Map 2.2.9 Parcel 2.4.2

Map 2.2.8 Parcel 2.3.2

Map 2.2.9 Parcel 2.4.3

Map 2.2.8 Parcel 2.3.1

Map 2.2.9 Parcel 2.4.4

Map 2.2.8 Parcel 2.3.0

Map 2.2.9 Parcel 2.4.5

Map 2.2.8 Parcel 2.2.9

Map 2.2.9 Parcel 2.4.6

Map 2.2.8 Parcel 2.2.8

Map 2.2.9 Parcel 2.4.7

Map 2.2.8 Parcel 2.2.7

Map 2.2.9 Parcel 2.4.8

Map 2.2.8 Parcel 2.2.6

Map 2.2.9 Parcel 2.4.9

Map 2.2.8 Parcel 2.2.5

Map 2.2.9 Parcel 2.5.0

Map 2.2.8 Parcel 2.2.4

Map 2.2.9 Parcel 2.5.1

Map 2.2.8 Parcel 2.2.3

Map 2.2.9 Parcel 2.5.2

Map 2.2.8 Parcel 2.2.2

Map 2.2.9 Parcel 2.5.3

Map 2.2.8 Parcel 2.2.1

Map 2.2.9 Parcel 2.5.4

Map 2.2.8 Parcel 2.1.9

Map 2.2.9 Parcel 2.5.5

Map 2.2.8 Parcel 2.1.8

Map 2.2.9 Parcel 2.5.6

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Map 2.2.9 Parcel 2.5.7

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Map 2.2.8 Parcel 2.1.5

Map 2.2.9 Parcel 2.5.9

Map 2.2.8 Parcel 2.1.4

Map 2.2.9 Parcel 2.6.0

Map 2.2.8 Parcel 2.1.3

Map 2.2.9 Parcel 2.6.1

Map 2.2.8 Parcel 2.1.2

Map 2.2.9 Parcel 2.6.2

Map 2.2.8 Parcel 2.1.1

Map 2.2.9 Parcel 2.6.3

Map 2.2.8 Parcel 2.1.0

Map 2.2.9 Parcel 2.6.4

Map 2.2.8 Parcel 2.0.9

Map 2.2.9 Parcel 2.6.5

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Map 2.2.9 Parcel 2.6.9

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Map 2.2.9 Parcel 2.7.1

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Map 2.2.9 Parcel 2.7.2

Map 2.2.8 Parcel 2.0.1

Map 2.2.9 Parcel 2.7.3

Map 2.2.8 Parcel 2.0.0

Map 2.2.9 Parcel 2.7.4

Map 2.2.8 Parcel 1.9.9

Map 2.2.9 Parcel 2.7.5

Map 2.2.8 Parcel 1.9.8

Map 2.2.9 Parcel 2.7.6

Map 2.2.8 Parcel 1.9.7

Map 2.2.9 Parcel 2.7.7

Map 2.2.8 Parcel 1.9.6

Map 2.2.9 Parcel 2.7.8

Map 2.2.8 Parcel 1.9.5

Map 2.2.9 Parcel 2.7.9

Map 2.2.8 Parcel 1.9.4

Map 2.2.9 Parcel 2.8.0

Map 2.2.8 Parcel 1.9.3

Map 2.2.9 Parcel 2.8.1

Map 2.2.8 Parcel 1.9.2

Map 2.2.9 Parcel 2.8.2

Map 2.2.8 Parcel 1.9.1

Map 2.2.9 Parcel 2.8.3

Map 2.2.8 Parcel 1.9.0

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Map 2.2.9 Parcel 2.8.7

Map 2.2.8 Parcel 1.8.6

Map 2.2.9 Parcel 2.8.8

Map 2.2.8 Parcel 1.8.5

Map 2.2.9 Parcel 2.8.9

Map 2.2.8 Parcel 1.8.4

Map 2.2.9 Parcel 2.9.0

Map 2.2.8 Parcel 1.8.3

Map 2.2.9 Parcel 2.9.1

Map 2.2.8 Parcel 1.8.2

Map 2.2.9 Parcel 2.9.2

Map 2.2.8 Parcel 1.8.1

Map 2.2.9 Parcel 2.9.3

Map 2.2.8 Parcel 1.8.0

Map 2.2.9 Parcel 2.9.4

Map 2.2.8 Parcel 1.7.9

Map 2.2.9 Parcel 2.9.5

Map 2.2.8 Parcel 1.7.8

Map 2.2.9 Parcel 2.9.6

Map 2.2.8 Parcel 1.7.7

Map 2.2.9 Parcel 2.9.7

Map 2.2.8 Parcel 1.7.6

Map 2.2.9 Parcel 2.9.8

Map 2.2.8 Parcel 1.7.5

Map 2.2.9 Parcel 2.9.9

Map 2.2.8 Parcel 1.7.4

Map 2.2.9 Parcel 3.0.0

Map 2.2.8 Parcel 1.7.3

Map 2.2.9 Parcel 3.0.1

Map 2.2.8 Parcel 1.7.2

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Map 2.2.9 Parcel 3.1.9

Map 2.2.8 Parcel 1.5.4

Map 2.2.9 Parcel 3.2.0

Map 2.2.8 Parcel 1.5.3

Map 2.2.9 Parcel 3.2.1

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Map 2.2.9 Parcel 3.2.2

Map 2.2.8 Parcel 1.5.1

Map 2.2.9 Parcel 3.2.3

Map 2.2.8 Parcel 1.5.0

Map 2.2.9 Parcel 3.2.4

Map 2.2.8 Parcel 1.4.9

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Map 2.2.9 Parcel 3.4.9

Map 2.2.8 Parcel 1.2.4

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Map 2.2.9 Parcel 3.5.3

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Map 2.2.9 Parcel 3.5.4

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Map 2.2.9 Parcel 4.2.8

Map 2.2.8 Parcel 0.4.5

Map 2.2.9 Parcel 4.2.9

Map 2.2.8 Parcel 0.4.4

Map 2.2.9 Parcel 4.3.0

Map 2.2.8 Parcel 0.4.3

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Map 2.2.9 Parcel 4.8.9

Map 2.2.9 Parcel 4.9.0

Map 2.2.9 Parcel 4.9.1

Map 2.2.9 Parcel 4.9.2

Map 2.2.9 Parcel 4.9.3

Map 2.2.9 Parcel 4.9.4

Map 2.2.9 Parcel 4.9.5

Map 2.2.9 Parcel 4.9.6

Map 2.2.9 Parcel 4.9.7

Map 2.2.9 Parcel 4.9.8

Map 2.2.9 Parcel 4.9.9

Map 2.2.9 Parcel 5.0.0

Map 2.2.9 Parcel 5.0.1

Map 2.2.9 Parcel 5.0.2

Map 2.2.9 Parcel 5.0.3

Map 2.2.9 Parcel 5.0.4

Map 2.2.9 Parcel 5.0.5

Map 2.2.9 Parcel 5.0.6

Map 2.2.9 Parcel 5.0.7

Map 2.2.9 Parcel 5.0.8

Map 2.2.9 Parcel 5.0.9

Map 2.2.9 Parcel 5.1.0

Map 2.2.9 Parcel 5.1.1

Map 2.2.9 Parcel 5.1.2

Map 2.2.9 Parcel 5.1.3

Map 2.2.9 Parcel 5.1.4

Map 2.2.9 Parcel 5.1.5

Map 2.2.9 Parcel 5.1.6

Map 2.2.9 Parcel 5.1.7

Map 2.2.9 Parcel 5.1.8

Map 2.2.9 Parcel 5.1.9

Map 2.2.9 Parcel 5.2.0

Map 2.2.9 Parcel 5.2.1

Map 2.2.9 Parcel 5.2.2

Map 2.2.9 Parcel 5.2.3

Map 2.2.9 Parcel 5.2.4

Map 2.2.9 Parcel 5.2.5

Map 2.2.9 Parcel 5.2.6

Map 2.2.9 Parcel 5.2.7

Map 2.2.9 Parcel 5.2.8

Map 2.2.9 Parcel 5.2.9

Map 2.2.9 Parcel 5.3.0

Map 2.2.9 Parcel 5.3.1

Map 2.2.9 Parcel 5.3.2

Map 2.2.9 Parcel 5.3.3

Map 2.2.9 Parcel 5.3.4

Map 2.2.9 Parcel 5.3.5

Map 2.2.9 Parcel 5.3.6

Map 2.2.9 Parcel 5.3.7

Map 2.2.9 Parcel 5.3.8

Map 2.2.9 Parcel 5.3.9

Map 2.2.9 Parcel 5.4.0

Map 2.2.9 Parcel 5.4.1

Map 2.2.9 Parcel 5.4.2

Map 2.2.9 Parcel 5.4.3

Map 2.2.9 Parcel 5.4.4

Map 2.2.9 Parcel 5.4.5

Map 2.2.9 Parcel 5.4.6

Map 2.2.9 Parcel 5.4.7

Map 2.2.9 Parcel 5.4.8

Map 2.2.9 Parcel 5.4.9

Map 2.2.9 Parcel 5.5.0

Map 2.2.9 Parcel 5.5.1

Map 2.2.9 Parcel 5.5.2

Map 2.2.9 Parcel 5.5.3

Map 2.2.9 Parcel 5.5.4

Map 2.2.9 Parcel 5.5.5

Map 2.2.9 Parcel 5.5.6

Map 2.2.9 Parcel 5.5.7

Map 2.2.9 Parcel 5.5.8

Map 2.2.9 Parcel 5.5.9

Map 2.2.9 Parcel 5.6.0

Map 2.2.9 Parcel 5.6.1

Map 2.2.9 Parcel 5.6.2

Map 2.2.9 Parcel 5.6.3

Map 2.2.9 Parcel 5.6.4

Map 2.2.9 Parcel 5.6.5

Map 2.2.9 Parcel 5.6.6

Map 2.2.9 Parcel 5.6.7

Map 2.2.9 Parcel 5.6.8

Map 2.2.9 Parcel 5.6.9

Map 2.2.9 Parcel 5.7.0

Map 2.2.9 Parcel 5.7.1

Map 2.2.9 Parcel 5.7.2

Map 2.2.9 Parcel 5.7.3

Map 2.2.9 Parcel 5.7.4

Map 2.2.9 Parcel 5.7.5

Map 2.2.9 Parcel 5.7.6

Map 2.2.9 Parcel 5.7.7

Map 2.2.9 Parcel 5.7.8

Map 2.2.9 Parcel 5.7.9

Map 2.2.9 Parcel 5.8.0

Map 2.2.9 Parcel 5.8.1

Map 2.2.9 Parcel 5.8.2

Map 2.2.9 Parcel 5.8.3

Map 2.2.9 Parcel 5.8.4

Map 2.2.9 Parcel 5.8.5

Map 2.2.9 Parcel 5.8.6

Map 2.2.9 Parcel 5.8.7

Map 2.2.9 Parcel 5.8.8

Map 2.2.9 Parcel 5.8.9

Map 2.2.9 Parcel 5.9.0

Map 2.2.9 Parcel 5.9.1

Map 2.2.9 Parcel 5.9.2

Map 2.2.9 Parcel 5.9.3

Map 2.2.9 Parcel 5.9.4

Map 2.2.9 Parcel 5.9.5

Map 2.2.9 Parcel 5.9.6

Map 2.2.9 Parcel 5.9.7

Map 2.2.9 Parcel 5.9.8

Map 2.2.9 Parcel 5.9.9

Map 2.2.9 Parcel 6.0.0

Map 2.2.9 Parcel 6.0.1

Map 2.2.9 Parcel 6.0.2

Map 2.2.9 Parcel 6.0.3

Map 2.2.9 Parcel 6.0.4

Map 2.2.9 Parcel 6.0.5

Map 2.2.9 Parcel 6.0.6

Map 2.2.9 Parcel 6.0.7

Map 2.2.9 Parcel 6.0.8

Map 2.2.9 Parcel 6.0.9

Map 2.2.9 Parcel 6.1.0

Map 2.2.9 Parcel 6.1.1

Map 2.2.9 Parcel 6.1.2

Map 2.2.9 Parcel 6.1.3

Map 2.2.9 Parcel 6.1.4

Map 2.2.9 Parcel 6.1.5

Map 2.2.9 Parcel 6.1.6

Map 2.2.9 Parcel 6.1.7

Map 2.2.9 Parcel 6.1.8

Map 2.2.9 Parcel 6.1.9

Map 2.2.9 Parcel 6.2.0

Map 2.2.9 Parcel 6.2.1

Map 2.2.9 Parcel 6.2.2

Map 2.2.9 Parcel 6.2.3

Map 2.2.9 Parcel 6.2.4

Map 2.2.9 Parcel 6.2.5

Map 2.2.9 Parcel 6.2.6

Map 2.2.9 Parcel 6.2.7

Map 2.2.9 Parcel 6.2.8

Map 2.2.9 Parcel 6.2.9

Map 2.2.9 Parcel 6.3.0

Map 2.2.9 Parcel 6.3.1

Map 2.2.9 Parcel 6.3.2

Map 2.2.9 Parcel 6.3.3

Map 2.2.9 Parcel 6.3.4

Map 2.2.9 Parcel 6.3.5

Map 2.2.9 Parcel 6.3.6

Map 2.2.9 Parcel 6.3.7

Map 2.2.9 Parcel 6.3.8

Map 2.2.9 Parcel 6.3.9

Map 2.2.9 Parcel 6.4.0

Map 2.2.9 Parcel 6.4.1

Map 2.2.9 Parcel 6.4.2

Map 2.2.9 Parcel 6.4.3

Map 2.2.9 Parcel 6.4.4

Map 2.2.9 Parcel 6.4.5

Map 2.2.9 Parcel 6.4.6

Map 2.2.9 Parcel 6.4.7

Map 2.2.9 Parcel 6.4.8

Map 2.2.9 Parcel 6.4.9

Map 2.2.9 Parcel 6.5.0

Map 2.2.9 Parcel 6.5.1

Map 2.2.9 Parcel 6.5.2

Map 2.2.9 Parcel 6.5.3

Map 2.2.9 Parcel 6.5.4

Map 2.2.9 Parcel 6.5.5

Map 2.2.9 Parcel 6.5.6

Map 2.2.9 Parcel 6.5.7

Map 2.2.9 Parcel 6.5.8

Map 2.2.9 Parcel 6.5.9

Map 2.2.9 Parcel 6.6.0

Map 2.2.9 Parcel 6.6.1

Map 2.2.9 Parcel 6.6.2

Map 2.2.9 Parcel 6.6.3

Map 2.2.9 Parcel 6.6.4

Map 2.2.9 Parcel 6.6.5

Map 2.2.9 Parcel 6.6.6

Map 2.2.9 Parcel 6.6.7

Map 2.2.9 Parcel 6.6.8

Map 2.2.9 Parcel 6.6.9

Map 2.2.9 Parcel 6.7.0

Map 2.2.9 Parcel 6.7.1

Map 2.2.9 Parcel 6.7.2

Map 2.2.9 Parcel 6.7.3

Map 2.2.9 Parcel 6.7.4

Map 2.2.9 Parcel 6.7.5

Map 2.2.9 Parcel 6.7.6

Map 2.2.9 Parcel 6.7.7

Map 2.2.9 Parcel 6.7.8

Map 2.2.9 Parcel 6.7.9

Map 2.2.9 Parcel 6.8.0

Map 2.2.9 Parcel 6.8.1

Map 2.2.9 Parcel 6.8.2

Map 2.2.9 Parcel 6.8.3

Map 2.2.9 Parcel 6.8.4

Map 2.2.9 Parcel 6.8.5

Map 2.2.9 Parcel 6.8.6

Map 2.2.9 Parcel 6.8.7

Map 2.2.9 Parcel 6.8.8

Map 2.2.9 Parcel 6.8.9

Map 2.2.9 Parcel 6.9.0

Map 2.2.9 Parcel 6.9.1

Map 2.2.9 Parcel 6.9.2

Map 2.2.9 Parcel 6.9.3

Map 2.2.9 Parcel 6.9.4

Map 2.2.9 Parcel 6.9.5

Map 2.2.9 Parcel 6.9.6

Map 2.2.9 Parcel 6.9.7

Map 2.2.9 Parcel 6.9.8

Map 2.2.9 Parcel 6.9.9

Map 2.2.9 Parcel 7.0.0

Map 2.2.9 Parcel 7.0.1

Map 2.2.9 Parcel 7.0.2

Map 2.2.9 Parcel 7.0.3

Map 2.2.9 Parcel 7.0.4

Map 2.2.9 Parcel 7.0.5

Map 2.2.9 Parcel 7.0.6

Map 2.2.9 Parcel 7.0.7

Map 2.2.9 Parcel 7.0.8

Map 2.2.9 Parcel 7.0.9

Map 2.2.9 Parcel 7.1.0

Map 2.2.9 Parcel 7.1.1

Map 2.2.9 Parcel 7.1.2

Map 2.2.9 Parcel 7.1.3

Map 2.2.9 Parcel 7.1.4

Map 2.2.9 Parcel 7.1.5

Map 2.2.9 Parcel 7.1.6

Map 2.2.9 Parcel 7.1.7

Map 2.2.9 Parcel 7.1.8

Map 2.2.9 Parcel 7.1.9

Map 2.2.9 Parcel 7.2.0

Map 2.2.9 Parcel 7.2.1

Map 2.2.9 Parcel 7.2.2

Map 2.2.9 Parcel 7.2.3

Map 2.2.9 Parcel 7.2.4

Map 2.2.9 Parcel 7.2.5

Map 2.2.9 Parcel 7.2.6

Map 2.2.9 Parcel 7.2.7

Map 2.2.9 Parcel 7.2.8

Map 2.2.9 Parcel 7.2.9

Map 2.2.9 Parcel 7.3.0

Map 2.2.9 Parcel 7.3.1

Map 2.2.9 Parcel 7.3.2

Map 2.2.9 Parcel 7.3.3

Map 2.2.9 Parcel 7.3.4

Map 2.2.9 Parcel 7.3.5

Map 2.2.9 Parcel 7.3.6

Map 2.2.9 Parcel 7.3.7

Map 2.2.9 Parcel 7.3.8

Map 2.2.9 Parcel 7.3.9

Map 2.2.9 Parcel 7.4.0

Map 2.2.9 Parcel 7.4.1

Map 2.2.9 Parcel 7.4.2

Map 2.2.9 Parcel 7.4.3

M.T. 53-3

STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
N. Y.			143	157
MOHAWK SECTION, SUB DIVISION 1				

PLAN

Scale: 1" = 50'

Prepared and Recommended:

E. H. HARLOW, V.P. N. Y. STATE P. E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS

27 WILLIAM ST., NEW YORK 5, N. Y.

PLAN / PROFILE

Made by E. Jones Traced by G. Nipanicz Checked by E. Kmiotek

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No. 195

M.T. 53-8

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			143	157

MOHAWK SECTION, SUB DIVISION 1

143R

PLAN

Scale: 1"=50'

Prepared and Recommended:

E. H. HARLOW, V.P. N. Y. STATE P. E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS

27 WILLIAM ST., NEW YORK 5, N. Y.

PLAN Made by E. Jones Traced by G. Nipanicz Checked by S. Kmiotek

PROFILE

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No. 10

Engineer Dist. No. 10S

24:1

M.T. 58-8

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			14A	157

MOHAWK SECTION, SUB DIVISION 1

Gillespie

Higgins

Gus Otatti

Higgins

LANE 8' WIDE 50' Right of Way ENDS

R/W

R.O.W.

TRUE NORTH

MATCH LINE

1011,000N

595,000E

Fence Cor. Dist. 97.5'

6196+88.46
1,010,926.66
593,997.69

6202+81.54
1,010,735.75
594,565.87

STA. 6206+08.04
N 1,010,631.76
E 594,875.37

N 1,010,498.08
E 594,830.45

AZ. 103°-28'-20"
454.77'

AZ. 108°34'-20"
599.40'

AZ. 108°34'-20"
699.30'

SURVEY BASE LINE

6" Poplar Dist. 34.2'

2" Iron Pipe Dist. 18.3'

68.69'

P.I. N1,010,842.50
E 594,032.50

STA. 6197+41.94
N 1,010,801.61
E 594,054.38

4" White Pine Dist. 54.0'

3" White Birch Dist. 19.2'

3" White Pine Dist. 13.0'

B.M.#75
Bolt in base of 15" Elm
Sta. 6204+40.00 20'R. of Line
Elev. 327.047

Fee Map 226 Parcel 242

Fee Map 229 Parcel 245

Fee Map 227 Parcel 243

Fee Map 228 Parcel 244

EDGE OF PAVEMENT NORTH BOUND DRIVE

EDGE OF PAVEMENT SOUTH BOUND DRIVE

CENTERLINE OF THRUWAY

6194 6195 6196 6197 6198 6199 6200 6201 6202 6203 6204 6205 6206 6207 6209 6210

12" S.P. 15" S.P. 30" S.P.

22' 22' 22' 22'

Shack

(114) (115) (116) (117)

24" RCCP

Drainage Ditch 4' deep 5' wide

141.09'

B.M.#74
Bolt in base of 30" Hickory
Sta. 6194+50.00 100'R. of Line
Elev. 320.712

Wire Fence

Disbrow

R=10,000
P.T. STA. 6208+49.34

CURVE DATA
R = 10000
Δ = 9°-56'-03.49
T = 869.11
L = 1733.86

Note:
For Continuation of Drainage Line see Sheet No.

MATCH SHEET NO. LINE

MATCH LINE

6209+80.84
1,010,313.02
595,228.75

P.V.I.
STA. 6199+05
EL. 332.70
V.C. 600
M.O. +1.28

PLAN
Scale: 1" = 50'

-2.000%

-0.300%

THEORETICAL GRADE LINE

SOUTH BOUND

NORTH BOUND

SOUTH BOUND

Profile of Ditch

STA. 6194+00
EL. 342.80

STA. 6210+09
EL. 329.39

DATUM 2807

| | | |

MT 539

STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
N. Y.			144	157

MOHAWK SECTION, SUB DIVISION 1

144R

Gillespie

Higgins

Gus Otatti

Higgins

LANE 8' WIDE
50' Right of Way

R/W ?

ENDS

TRUE NORTH

MATCH LINE

1,011,000 N

Fence Cor. Dist. 97.5'

594,000 E

6196+82.14
1,010,926.66
593,997.69

AZ. 103°-28'-20"
454.77'

AZ. 108°-34'-20"
599.40'

AZ. 108°-34'-20"
699.30'

6" Poplar Dist. 34.2'

2" Iron Pipe Dist. 18.3'

68.69'

P.I. N 1,010,842.50
E 594,032.50

@ Sta. 6197+41.34
N 1,010,907.61
E 594,054.38

6202+81.54
1,010,735.15
E 594,565.87

3" White Birch Dist. 19.2'

4" White Pine Dist. 24.0'

3" White Pine Dist. 13.0'

B.M.#75
Bolt in base of 15" Elm
Sta. 6204+40.00 20' R. of Line
Elev. 327.047

@ Sta. 6206+08.04
N 1,010,631.76
E 594,875.37

N 1,010,498.08
E 594,830.45

SURVEY BASE LINE ?

R.O.W.?

599.000 E

6209+?.84
1,010,513.02
595,228.75

010,500 N

Fee Map 226 Parcel 242

Fee Map 227 Parcel 243

Fee Map 228 Parcel 244

Fee Map 229 Parcel 245

EDGE OF PAVEMENT NORTH BOUND DRIVE

EDGE OF PAVEMENT SOUTH BOUND DRIVE

6194 6195 12" S.P. 6196 6197 Shack 6198 CENTERLINE 6199 OF 6200 THRUWAY 6201 6202 15" S.P. 6203 6204 6205 6206 6207 AZ 113°-20'-48.39" ? 6209 6210

22' 22' 22' 22'

114 115 116 157

B.M.#74
Bolt in base of 30" Hickory
Sta. 6194+50.00 180' R. of Line
Elev. 330.7128
OUT

Drainage Ditch 4' deep

24" RCP

5' wide

30" S.P.

Disbrow

R=10,000
P.T. STA. 6208+49.34

CURVE DATA
R = 10000
Δ = 9°-56'-03.49
T = 869.11
L = 1733.86

Note:
For Continuation of Drainage Line see Sheet No.

MATCH SHEET NO. 143

P.V.I.
STA. 6199+05
EL. 332.70
V.C. 600
M.O. +1.28

PLAN
Scale: 1" = 50'

-2.000%

THEORETICAL GRADE LINE

-0.300%

SOUTH BOUND

NORTH BOUND

SOUTH BOUND

Profile of Ditch ?

STA. 6194+00
EL. 342.80

STA. 6210+09
EL. 329.39

317.3 316.7 317.6 317.6 319.2 319.0 321.2 320.7 321.5 320.0 322.0 320.7 323.0 322.4 322.3 322.2 322.8 322.4 323.1 322.9 323.6 322.8 323.0 322.1 323.0 322.8 324.0 323.4 323.0 321.9 323.5 322.3 323.7 322.0 323.0 322.0 323.5 322.4 323.6 322.2 324.4 323.0 324.3 321.5 322.9 320.6 322.0 320.9 327.0 326.7 329.7 327.9 329.8 329.4 330.0 329.2 330.2 330.0 330.5 330.0 329.8 329.0 329.? 328.8 330.3 328.7 328.6

DATUM 2807

6194 6195 6196 6197 6198 6199 6200 6201 6202 6203 6204 6205 6206 6207 6208 6209 6210

+50 +50 +50 +42 +92 +42 +92 +41 +92 +42 +92 +42 +92 +42 +92 +42 +92 +42 +92 +42 +92 +40 +90 +41 +92 +42 +93 +43 +93 +09

PROFILE
Scale: Hor. 1" = 50'
Vert. 1" = 10'

Prepared and Recommended:

E. H. HARLOW, V.P. N. Y. STATE P. E. LIC. NO. 20747 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST. NEW YORK 5, N. Y.

	Made by	Traced by	Checked by
PLAN	A. Manfredi	G. Nipanicz	E. Kmiotek
PROFILE	A. Manfredi	B. Kirsch	E. Kmiotek

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No.
155

43-3-10A-66

24:1

M.T. 53-3 R.C. 53-19

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			145	157

MOHAWK SECTION, SUB DIVISION 1

NIAGARA - MOHAWK POWER CORP. - POWER LINE
N.Y. STATE NATURAL GAS CORP. - PIPE LINE
M.T. PLEASANT BURDECK POWER LINE
TRUE NORTH
SURVEY BASE LINE
ROW
Higgins
John Bevington #7
Arthur J. & Martha Grupe
FOR PLAN & PROFILE OF REL. SCHENECTADY-GUILDERLAND SEE SHEETS NO 146-147
REL. SCHENECTADY-GUILDERLAND S.H. 5777 ON ROUTE 155
TEMPORARY DETOUR ROAD
DIRT DRIVEWAY
Billboard
Fee Map 243 Parcel 261 With Access
Fee Map 231 Parcel 248
Fee Map 241 Parcel 258 With Access
Fee Map 241 Parcel 259 With Access
Fee Map 228 Parcel 234
Fee Map 229 Parcel 245
Fee Map 247 Parcel 266
Fee Map 246 Parcel 264 With Access
TE Map 230 Parcel 247
TE Map 242 Parcel 260
conc. Block Garage
B.W. Fence
Frame House
H.P.
Garage
2 Story Frame House
Well 3.5 ϕ
Shed
Gar.
Mac. DRIVEWAY
DIRT DRIVEWAY
W.M. Banden
J.H. VanWormer
Myra Reynolds Estate
Fee Map 267 Parcel 269
Fee Map 216 Parcel 265 With Access
Fee Map 248 Parcel 269 With Access
Fee Map 250 Parcel 270 With Access
TE Map 230 Parcel 246
TE Map 247 Parcel 267
TE Map 249 Parcel 269
TE Map 251 Parcel 271
B.M. #76 Bolt in Base of 15" Oak Sta. 6213+65.00, 20' R. of line Elev. 330.397
B.M. #77 N.W. Footing of tower #42 Sta. 6221+50.00 136' L. of New ℄ Elev. 331.942
Tower #41
Tower #42
Pole #150
Pole #151
Pole #152
Pole #153
AZ. 108° 34'-20" 699.30'
AZ. 119°-46'-20" 499.30'
AZ. 122°-15'-20" 504.56'
AZ. 113°-20'-48.39"
AZ. 113°-25'-20" 504.18'
AZ. 119°-45'-20" 500.03'
6219+84.90 = M 12+00
NEW SURVEY BASE LINE
OLD BASE LINE
STA. 6219+65.00 = STA. 12+35.52
EDGE OF PAVEMENT - NORTH BOUND DRIVE
CENTERLINE OF THRUWAY
EDGE OF PAVEMENT - SOUTH BOUND DRIVE
24' RCCP
24' RCCO
18" S.P.
30" S.P.
6" Birch Dist. 24.99'
6" Beech Dist. 11.77'
6" Maple Dist. 8.66'
10" Beech Dist. 11.91'
4" Beech Dist. 2.69'
5" Beech Dist. 10.66'
12" Tree Dist. 38.29'
8" Tree Dist. 24.05'
4" Birch Dist. 13.30'
8" Maple Dist. 10.98'
6" Birch Dist. 6.34'
N.Y.P. 92 N.Y.T. 38 Dist. 38.49'
N.Y.P. 93 N.Y.T. 39
6" Ø Conc. Box Culvert
3-Prim. 3-Sec. Tel. Cable
1-Tel. Wire
10" Maple Dist. 59.16'
Billboard
18" Maple Dist. 58.00'
Dist. 58.00'
Dist. 58.00'

M.T. 53-3 R.C. 5 19

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N.Y.			145	157

MOHAWK SECTION, SUB DIVISION 1

145R

NIAGARA MOHAWK POWER CORP. — POWER LINE

N.Y. STATE NATURAL GAS CORP. — PIPE LINE

M.T. PLEASANT BURDECK POWER LINE

TRAIL NORTH

6208+80.34
N 1,009,234.59
E 595,962.32

6224+69.09
N 1,009,755.30
E 596,451.65

Higgins

AZ. 108°-34'-20"
699.30

7" Birch Dist. 14.39'

6" Maple Dist. 11.77'

6" Maple Dist. 8.64'

AZ. 119°-45'-20"
499.50'

SURVEY BASE LINE

B. Beech Dia. 17.8'

4" Beech Dist. 7.40'

5" Beech Dist. 10.66'

AZ. 122°-15'-20"
304.25

B.M.#6 Bolt in Base of 15" DbR
Sta. 6219+65.00, 20' R. of line
Elev. 330.39'

OUT

Fee Map 229 Parcel 245

Fee Map 228 Parcel 224

Fee Map 243 Parcel 261

Map 231 Parcel 242

Map 241 Parcel 259

With Access

B.M.#7 N.W. Footing of tower #42
Sta. 6221+50.00
136'L. of New ℄
Tower #42 Elev. 331.942

1,010,000N
595,500E

HEADWALL

24" RCCP

EDGE OF PAVEMENT — NORTH BOUND DRIVE —

CENTERLINE OF THRUWAY — AZ. 113°-30'-40" 228'

EDGE OF PAVEMENT — SOUTH BOUND DRIVE —

6209 6210 6211 6212 6214 6221 6222 6224 6225

18"S.P.

22' 22'

30"S.P.

117 118

R.O.W.

DISBROW

MATCH LINE

1,010,000 N
595,500 E

R. Disbrow

PLAN
Scale 1" = 50'

P.V.I.
STA. 6215+00
EL. 327.92
V.C. 400
M.O. +0.35

6221+64.90 = M12+00

NEW SURVEY BASE LINE

OLD BASE LINE

AZ. 113°-25'-20"
504.18'

AZ. 119°-45'-20"
500.03'

swamp

4" Birch Dist. 8.30'

6" Maple Dist. 8.96'

6" Birch Dist. 9.34'

Myra Reynolds Estate

Fee Map 267 Parcel 289

R/W.

Note:
Provide Trench Culvert & Bridge Excavation, Item 5, for Utilities A.O.B.E.

N 1,009,737.27
E 595,932.05

℄ of Twin Diamond Bridge

NORTH BOUND

SOUTH BOUND

-0.300%

+0.400%

Profile of Ditch

STA. 6208+93
EL. 329.74

STA. 6225+20
EL. 329.99

| | | |

24:1

R.C. 58-19

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N.Y.			146	157
MOHAWK SECTION	SUB-DIVISION I				

PLAN

RELOCATED SCHENECTADY-GUILDERLAND

S.H. 577 ON ROUTE 158

Scale: 1" = 50'

Prepared and Recommended

E. H. HARLOW, V.P. N.Y. STATE P.E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS

27 WILLIAM ST., NEW YORK 5, N.Y.

PLAN / PROFILE — MADE BY A. Monfredi — TRACED BY B. Mysok — CHECKED BY E. Kniotek

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No.

195

481-3-10A-88

R.C. 58-19

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N.Y.			14R	15T
MOHAWK SECTION SUB-DIVISION 1					

14R

PLAN
RELOCATED SCHENECTADY-GUILDERLAND
S.H. 577 ON ROUTE 158
Scale: 1" = 50'

NOTE: GRADE AND PAVE DRIVEWAY WITH 9" FOUNDATION COURSE GRAVEL ITEM 39R I.O.B.E.

CURVE DATA
R = 2000'
Δ = 16°-05'-50.47
T = 282.82'
L = 561.90'

CURVE DATA
R = 2000'
Δ = 7°-51'-04.80
T = 137.25'
L = 274.06'

Detour Curve Data
R = 400'
Δ = 21°-00'
T = 74'
L = 147'

Detour Curve Data
R = 400'
Δ = 9°-00'
T = 31'
L = 63'

Detour Curve Data
R = 400'
Δ = 16°-30'
T = 58'
L = 115'

Prepared and Recommended

E. H. HARLOW, V.P. N.Y. STATE P.E. LIC. NO. 20747 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

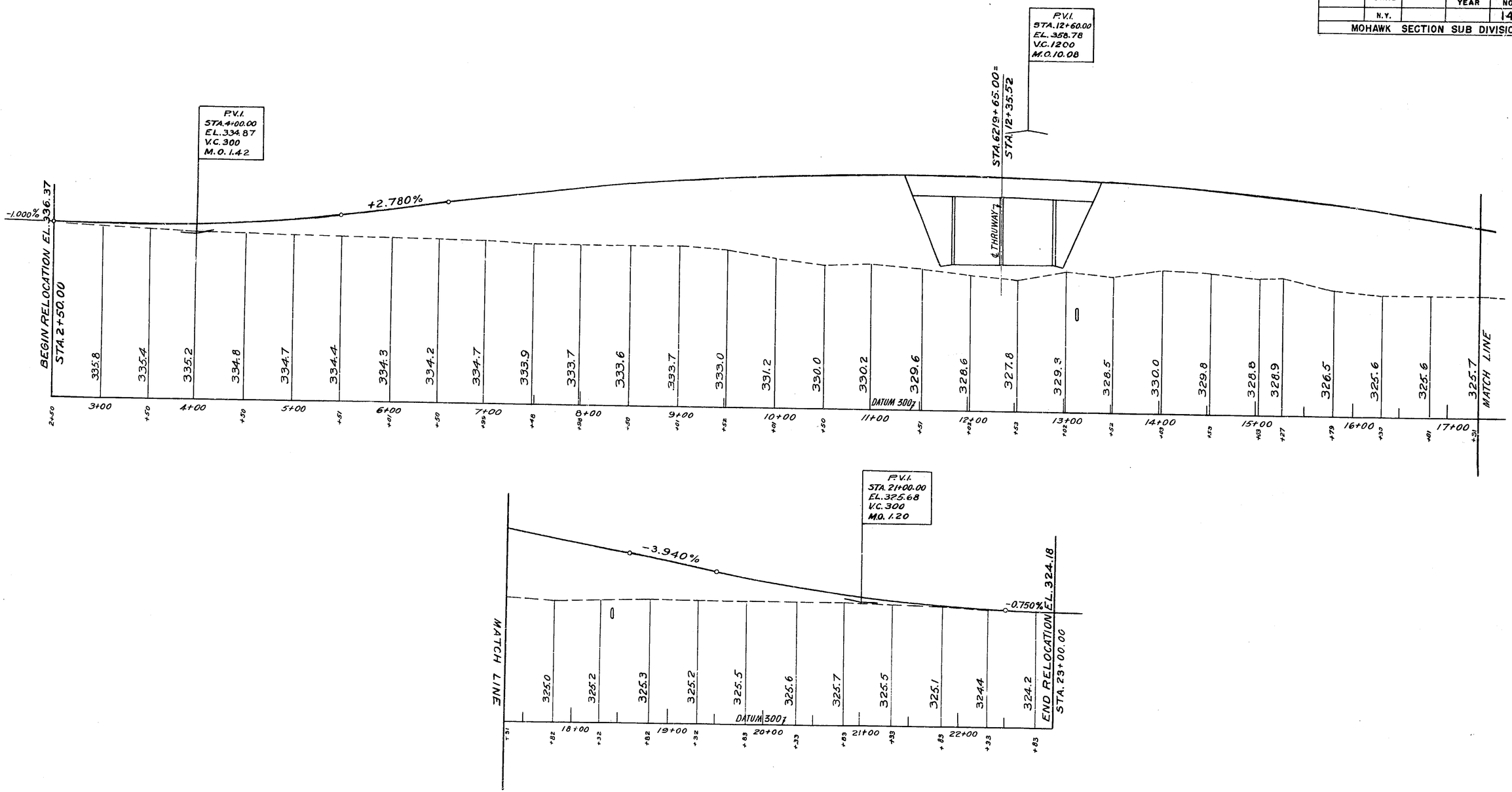
PLAN MADE BY A. Manfredi TRACED BY B. Mysak CHECKED BY E. Kniaten
PROFILE

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No.
195

R.C. 53-19

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N.Y.			147	157
MOHAWK SECTION SUB DIVISION I					



PROFILE

RELOCATED SCHENECTADY-GUILDERLAND

S.H. 577 ON ROUTE 158

Scale: Hor. 1" = 50'
Vert. 1" = 10'

Prepared and Recommended:

E. H. HARLOW, V.P. N.Y. STATE P.E. LIC. NO. 20747 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

	MADE BY	TRACED BY	CHECKED BY
PLAN			
PROFILE	A. Monfredi	E. Keerd	E. Kmiotek

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No.

195

M.T. 58-3

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			148	157
MOHAWK SECTION, SUB DIVISION 1					

6224+89.08 N 1,009,780.30 E 596,551.65

Tower #443

Tower #444

NIAGARA MOHAWK POWER CORP. - POWER LINE

NEW YORK STATE NATURAL GAS CORP. PIPE LINE

† M.T. PLEASANT BURDECK POWER LINE †

TRUE NORTH

R.O.W.

Fee Map 267 Parcel 299

Swamp

Myra Reynolds Estate

4" Birch Dist. 13.30'

8" Maple Dist. 10.38'

6" Birch Dist. 6.24'

24" RCCP

NEW SURVEY BASE LINE

AZ. 113°-25'-20" Dist. 565.54'

6230+34.62 N 1,009,370.50 E 597,070.59

New Ditch

1,009,500 N

597,500 E

6236+35.17 N 1,009,315.88 E 597,658.36

Ditch

Line of 24" trees

Chas. Miller

Fee Map 267 Parcel 291

24" Tree Dist. 24.25'

AZ. 113°-25'-20" Dist. 640.55'

EDGE OF PAVEMENT - NORTH BOUND DRIVE

29" Tree Dist. 13.25'

AZ. 113°-25'-20" Dist. 607.31'

24" Maple Dist. 29.15'

6" Birch Dist. 15.68

29" Birch Dist. 4.93'

10" Tree Dist. 9.24'

Creek

6225 6226 6227 6228 6229 6230 6231 CENTERLINE OF THRUWAY AZ. 113°-20'-48.39" 6234 6235 6236 6238 6239 6240 6241

22' 22' 22' 22'

126 127 128 130 131 132

24" RCCP

2'-2" Box Culvert

EDGE OF PAVEMENT - SOUTH BOUND DRIVE

AZ. 119°-45'-20" 593.95'

30" S.P.

Swamp

1,009,500 N

B.M. #78 Bolt in Base of 24" Basement Sta. 6231+35.00, 36'R. of new ℄ Elev. 332.125

Stream

Concrete Gutter

597,000 E

6230+72.89 N 1,009,452.76 E 597,036.76

179

New Ditch

R.O.W.

OLD SURVEY BASE LINE

AZ. 119°-45'-20" 599.40'

24" S.P.

A. G. Lasko

Fee Map 267 Parcel 269

Fee Map 267 Parcel 270

Fee Map 267 Parcel 232

A. Levandowski

Wire Fence

6236+78.29 N 1,009,052.28 E 597,559.13

AZ. 119°-45'-20" 699.30'

MATCH LINE

396,500 E

1,009,500 N

P.V.I. STA. 6230+00 El. 333.92 V.C. 400 M.O. 0.05

PLAN

Scale: 1"=50'

NORTH BOUND

SOUTH BOUND

+0.400% THEORETICAL GRADE LINE +0.300%

Profile of Ditch

L.P.

STA. 6225+20 El. 331.99

STA. 6241+20 El. 337.27

	6225	6226	6227	6228	6229	6230	6231	6232	6233	6234	6235	6236	6237	6238	6239	6240	6241
+20	330.0	329.7	329.4	330.0	330.3	330.3	330.2	330.1	329.1	328.8	330.0	330.3	331.5	331.0	331.4	330.4	330.9	332.1	330.8	331.0	331.2	331.1	331.0	331.9	333.9	333.5	333.5	332.9	333.0	333.4	334.3	334.0	334.1
+70	329.2	329.2	329.2	330.1	329.9	329.6	329.2	329.0	328.9	330.6	331.9	331.7	331.0	331.0	331.6	331.6	331.0	332.2	332.6	332.0	331.9	331.9	332.0	332.5	334.2	334.0	334.0	333.3	332.9	333.7	334.3	334.7	334.6

DATUM 200 ↑

+20 +70 +20 +70 +20 +70 +20 +70 +20 +70 +20 +70 +20 +70 +20 +70 +20 +70 +20 +70 +21 +71 +21 +71 +21 +70 +20 +70 +20 +70 +20 +70 +20

PROFILE

Scale: Hor. 1"= 50'
Vert. 1"= 10'

Prepared and Recommended:

E. H. HARLOW, V. P. N.Y. STATE P. E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N. Y.

	Made by	Traced by	Checked by
PLAN	A. Manfredi	G. Nipanicz	E. Kmiotek
PROFILE	A. Manfredi	B. Kirsch	E. Kmiotek

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No. 195

4813-10A-68

STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
N. Y.			148	157

MOHAWK SECTION, SUB DIVISION 1

148R

6224+69.08
N 1,009,795.30
E 596,551.65

Tower #443

NIAGARA MOHAWK POWER CORP. - POWER LINE
NEW YORK STATE NATURAL GAS CORP. PIPE LINE
M.T. PLEASANT BURDECK POWER LINE
TRUE NORTH

Tower #444

R.O.W.?

Fee Map 267 Parcel 289

Myra Reynolds Estate

Swamp

4" Birch Dist. 13.30'
8" Maple Dist. 10.98'
6" Birch Dist. 6.24'

NEW SURVEY BASE LINE ?

AZ. 113°-25'-20" Dist. 565.54'

24" RCCP

22'

6225 6226 6227 6228 6229 6230 6231 6234 6235 6236 6238 6239 6240 6241

126 127 128 129 130 131 132

24" RCCP

24" RCCP

24" RCCP

24" RCCP

24" RCCP

6230+74.62
N 1,009,570.30
E 597,020.59

1,009,500 N

597,000 E

New Ditch

6" Birch Dist. 15.68
9" Birch Dist. 4.33
10" Tree Dist. 9.24

C.L. CREEK

2'-2" Box Culvert

AZ. 113°-25'-20" Dist. 640.55'

EDGE OF PAVEMENT - NORTH BOUND DRIVE

AZ. 113°-25'-20" Dist. 607.31'

CENTERLINE OF THRUWAY ? AZ. 113°-20'-48.39"

EDGE OF PAVEMENT - SOUTH BOUND DRIVE

24" Tree Dist. 24.25'
9" Tree Dist. 13.25'
24" Maple Dist. 23.15'

Ditch

Line of 24" Trees

Chas. Miller

Fee Map 269 Parcel 291

Swamp

6236+95.17
N 1,009,315.89
E 597,638.36

AZ. 119°-45'-20" 593.96'

30" S.P.

Concrete Gutter

Stream

B.M. #78 Bolt in Base of 24" Basswood Sta. 6231+35.00 96 ft. ↓ from ℄ Elev. 332.185

1,009,210 N

597,000 E

6224+64.93
N 1,009,747.54
E 596,523.11

New Ditch

6230+78.89
N 1,009,142.76
E 597,019.76

Small Stream

Swamp

OLD SURVEY BASE LINE ?

24" S.P.

Myra Reynolds Estate

Fee Map 267 Parcel 289

Fee Map 270 Parcel 292

A. G. Lasko

Fee Map 266 Parcel 290

A. Levandowski

AZ. 119°-45'-20" 599.40'

AZ. 119°-45'-20" 699.30'

Wire Fence

6236+78.29
N 1,009,155.28
E 597,559.13

MATCH LINE

MATCH LINE

E 596,963

1,009,500 N

P.V.I.
STA. 6230+00
EL. 333.92
V.C. 400
M.O. 0.05

PLAN

Scale: 1" = 50'

NORTH BOUND

SOUTH BOUND

THEORETICAL GRADE LINE

+0.400 %

+0.300 %

L.P.

Profile of Ditch ?

Profile of Ditch ?

STA. 6225+20
EL. 331.99

STA. 6241+20
EL. 337.27

DATUM 200

	6225	6226	6227	6228	6229	6230	6231	6232	6233	6234	6235	6236	6237	6238	6239	6240	6241
	+20	+70	+20	+70	+20	+70	+20	+70	+20	+70	+20	+70	+20	+70	+20	+70	+20	+70	+20	+70	+21	+71	+21	+71	+21	+70	+20	+70	+20	+70	+20	+70	+20	
	330.0	329.2	329.7	329.2	329.4	329.2	330.0	330.1	330.3	329.9	330.3	329.6	330.2	329.2	330.1	329.0	329.1	328.9	329.8	330.6	330.0	331.9	330.3	331.7	331.5	331.0	331.0	331.0	331.4	331.8	330.4	331.8	330.9	331.0	332.1	332.2	330.8	332.8	331.0	332.0	331.2	331.9	331.1	331.9	331.0	332.0	331.9	332.5	333.9	334.2	333.5	334.0	333.5	334.0	332.9	333.3	333.0	332.9	333.4	333.7	334.3	334.3	334.0	334.7	334.1	334.6

PROFILE

Scale: Hor. 1" = 50'
Vert. 1" = 10'

Prepared and Recommended:

E. H. HARLOW, V.P. N.Y. STATE P.E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

	Made by	Traced by	Checked by
PLAN	A. Vignieo	S. Lozzi	E. Kimlotek
PROFILE	A. Vignieo	R. Fisch	E. Kimlotek

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No.

195

M.T. 53-3

STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
N. Y.			149	157

MOHAWK SECTION, SUB DIVISION 1

PLEASANT BURDECK POWER LINE

Swamp

Fence

A.G. Lasko

6243+02.48
N 1,009,447
E 598,216.68

R.O.W.

Small Stream 3' wide

6247+35.45
N 1,008,878.51
E 598,667.98

TRUE NORTH

New Ditch

Wire Fence

Small Stream 3.5' wide

6252+02.15
N 1,008,715.85
E 599,041.17

6256+72.37
N 1,008,518.79
E 599,467.64

AZ. 113°-25'-20" 607.31'

10" Pine Dist. 22.40'

3" Beach Dist. 12.71'

5" Birch Dist. 12.5'

24" RCCP

AZ. 113°-25'-20" 492.37'

NEW SURVEY BASE LINE

4" Beach Dist. 28.62'

8" Pine Dist. 23.24'

6" Beach Dist. 28.08'

AZ. 113°-25'-20" 406.70'

5" Pine Dist. 34.31'

EDGE OF PAVEMENT - NORTH BOUND DRIVE

5" Pine Stump Dist. 44.02'

AZ. 114°-54'-40" 476.22'

5" Pine Dist. 68.83'

A.G. Lasko

3" Beach Dist. 56.63'

5" Pine Dist. 32.87'

S. Kwiatkowski Flowers

6241 6242 6243 6244 6245 6246 6247 6248 6249 6250 6251 6252 6253 6254 6255 6257

22' 22'

CENTERLINE OF THRUWAY

AZ. 113°-20'-48.39"

6" Pine Bush Dist. 69.59'

EDGE OF PAVEMENT - SOUTH BOUND DRIVE

24" RCCP

24" S.P.

21" S.P.

24" RCCP

Ea. RCCP

(133) (134) (135) (136) (137)

Fee Map 270 Parcel 292

Wire Fence & Pine up to 18"

1,009,000 N

598,000 E

MATCH LINE

R.O.W.

B.M. #79 Bolt in Base of 15" Basswood Sta. 6242+50.00, 210'R. of new ℄ Elev. 334.910

B.M. #80 Bolt in Base of 30" Pine Sta. 6250+00, 170'R of new ℄ Elev. 337.380

1,008,500 N

599,000 E

PLAN

Scale: 1"=50'

NORTH BOUND +0.300%

SOUTH BOUND

THEORETICAL GRADE LINE

NORTH BOUND +0.300%

Profile of Ditch

Profile of Ditch

STA. 6241+20 EL. 337.27

STA. 6257+18 EL. 342.07

334.1 334.6 | 334.3 334.7 | 334.5 334.5 | 335.2 334.2 | 336.0 335.3 | 336.0 336.3 | 335.3 335.5 | 336.2 335.5 | 336.0 335.1 | 335.6 335.9 | 336.4 337.0 | 336.8 337.7 | 336.5 336.6 | 336.2 335.9 | 336.8 335.8 | 335.3 335.0 | 335.5 335.6 | 336.0 336.0 | 337.9 338.2 | 339.2 338.2 | 338.2 337.5 | 339.0 338.6 | 339.9 340.1 | 338.7 339.0 | 337.7 338.2 | 337.6 338.3 | 336.9 337.5 | 336.7 337.1 | 337.1 336.9 | 337.2 336.8 | 337.0 337.0 | 337.8 337.1 | 338.9 338.3

DATUM 200'

6241 6242 6243 6244 6245 6246 6247 6248 6249 6250 6251 6252 6253 6254 6255 6256 6257

+20 +70 +19 +70 +19 +70 +19 +69 +18 +68 +18 +68 +12.5 +68 +18 +69.5 +10 +68 +18.5 +69.5 +19 +69.5 +19 +68 +19 +69.5 +19 +69.5 +19 +69.5 +18 +68 +18

PROFILE

Scale: Hor. 1"=50'
Vert. 1"=10'

Prepared and Recommended:

E.H. HARLOW, V.P. N.Y. STATE P.E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

	Made by	Traced by	Checked by
PLAN	A. Manfredi	B. Mysak	E. Kmiotek
PROFILE	A. Manfredi	S. Kirsch	E. Kmiotek

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No. 195

#43 6241-6257 431-3-10A-69

24:1

M. 1. 58-8

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			150	157
MOHAWK SECTION, SUB DIVISION 1					

PLAN

Scale: 1" = 50'

PROFILE

Scale: Hor. 1" = 50'
Vert 1" = 10'

Prepared and Recommended:

E. H. HARLOW, V. P. N.Y. STATE P. E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

	Made by	Traced by	Checked by
PLAN	A. Manfredi	G. Nipenicz	E. Kmiotek
PROFILE	A. Manfredi	B. Kirsch	E. Kmiotek

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No.

195

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			150	157

MOHAWK SECTION, SUB DIVISION 1

150R

PLAN

Scale: 1" = 50'

PROFILE

Scale: Hor. 1" = 50'
Vert. 1" = 10'

Note:
Provide Trench Culvert & Bridge Excavation, Item 5, for Utilities A.O.B.E.

P.V.I.
STA. 6260+50
EL. 343.07
V.C. 400
M.O. +0.12'

CURVE DATA
R = 13,500'
Δ = 10°-12'-51.61"
T = 1206.55'
L = 2406.70'

B.M. #81 Bolt in Base of 15" Poplar Sta. 6261+66, 188'R. of New ℄ Elev. 339.420

B.M. #82 Bolt in Base of 10" Oak Sta. 6271+09.00, 38'R. of New ℄ Elev. 352.960

E. Di Auscio — Fee Map 280 Parcel 304
T. Smiarowski — Fee Map 280 Parcel 306
F. Mac Donald — Fee Map 280 Parcel 309
Ben Ruchalski — Fee Map 285 Parcel 310
A. G. Lasko — Fee Map 276 Parcel 292; Fee Map 272 Parcel 295 with Access; Fee Map 272 Parcel 296 with Access
S. Kwiatkowski — Fee Map 271 Parcel 293
E. M. Empie — Fee Map 282 Parcel 307
T. E. — Fee Map 283 Parcel 308

1½ Story Brick House; 1 Story Brick Ranch Type House; 2 Story house; Story Coop; Gar.; Shed; Coop; Pond; Swamp; Ditch; Wire fence; Brush & Trees; Fence; Small Stream 3.5' Wide; Dirt Driveway; Service Pole; 2 Wires

ROW 7; REL. CHURCH RD. CO. ROAD # 78; CHURCH ROAD; CO ROAD # A

CENTERLINE OF THRUWAY; NEW SURVEY BASE LINE 7; EDGE OF PAVEMENT – NORTH BOUND DRIVE; EDGE OF PAVEMENT – SOUTH BOUND DRIVE

FOR PLAN & PROFILE OF REL. CHURCH RD. SEE SHEET No. 151

FOR DETAILS OF BRIDGE SEE SHEETS No. 82-94

MATCH LINE

Relocated Church Road Bridge ℄

SOUTH BOUND; NORTH BOUND; THEORETICAL GRADE LINE; +0.300%; +0.540%; N.P.; L.P.; Profile of Ditch 7; DATUM 300'; STA. 6257+18 EL. 342.07; STA. 6273+20 EL. 349.92

Prepared and Recommended:

E. H. HARLOW, V. P. N. Y. STATE P. E. LIC. NO. 20747 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N. Y.

	Made by	Traced by	Checked by
PLAN	A. Manfredi	G. Niponicz	E. Kmiotek
PROFILE	A. Manfredi	B. Kirsch	E. Kmiotek

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No.
195

S.T 53-7

STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
N.Y.			151	157
MOHAWK SECTION	SUB-DIVISION I			

PLAN

RELOCATED CHURCH ROAD

CO. ROAD No. 7R

Scale: 1"=50'

NOTE: GRADE AND PAVE DRIVEWAY WITH 9"FOUNDATION COURSE GRAVEL ITEM 39R I.O.B.E.

Note: For Curve Widening see N.Y. State Standard Sheet 50-1R.

Note: Provide Trench Culvert & Bridge Excavation, Item 5, for Utilities A.O.B.E.

FOR DETAILS OF BRIDGE SEE 5 SHEETS NOS. 82-94

Prepared and Recommended

E. H. HARLOW, V.P. N.Y. STATE P.E. LIC. NO 20747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS

27 WILLIAM ST., NEW YORK 5., N.Y.

PLAN MADE BY P. Klecan TRACED BY B. Mysak CHECKED BY E. Kmiotek

PROFILE

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No.

195

CHURCH 481-3-10A-90

S.T 52-7

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N.Y.			151	157
MOHAWK SECTION SUB-DIVISION I					

PLAN

RELOCATED CHURCH ROAD
CO. ROAD No. 7R

Scale: 1"=50'

NOTE: GRADE AND PAVE DRIVEWAY WITH 9" FOUNDATION COURSE GRAVEL ITEM 39R I.O.B.E.

Note: For Curve Widening see N.Y. State Standard Sheet 50-1R.

Note: Provide Trench Culvert & Bridge Excavation, Item 5, I.O.B.E.

GRADE AND PAVE DRIVE WITH 9" FOUNDATION COURSE GRAVEL

GRADE AND PAVE, HIGHWAY INTERSECTION 2½" Asphalt Concrete-Optional Item 51S 9" Foundation Course Gravel Item 39R

Grade and Pave Highway Intersection with 9" Foundation Course Gravel Item 39R

CURVE DATA
R = 1000'
Δ = 37°-54'-37.00"
T = 343.45'
L = 661.66'

CURVE DATA
R = 1000'
Δ = 7°-19'-11.61"
T = 67.97'
L = 127.76'

CURVE DATA
R = 1000'
Δ = 8°-30'-00"
T = 74.31'
L = 148.35'

HIGHWAY CURVE DATA
R = 13,500'
Δ = 10°-12'-51.61"
T = 1206.55'
L = 2406.70'

R = 13,500'
PC. STA. 62.59+41.53

PC. STA. 10+08.18

PT. STA. 16+67.84
R = 1000'

PT. STA. 5+35.44
R = 1000'

PT. STA. 0+73.35
R = 1000'

BEGIN RELOCATION STA. -1+00.00
PC. STA. -0+75.00
R = 1000'

TRANSITION TO EXISTING PAV'T Sta. -0+50 Begin detour

END RELOCATION STA. 19+00.00

End detour Sta. 15+13

Frank Mac Donald

Dewitt Holstein

Thaddeus & Genevieve Smiarowski

Aurelia G. Lasko

F.C. Borowski

Geo & Harvey Weaver

Everett M. & Marion E. Empie

D. Giovannangelo

B. Giovannangelo

Gustavus A. & Mildred J. Kluth, Jr.

Thomas Tess

Grade and Pave Driveway

Grade & Pave Driveway

MATCH LINE

R.O.W.

CENTERLINE OF THRUWAY

EDGE OF PAVEMENT - NORTH BOUND DRIVE

EDGE OF PAVEMENT - SOUTH BOUND DRIVE

SWAMP

DI RUSCIO

CHURCH ROAD

CO. ROAD # 7R

RELOCATED CHURCH CO. ROAD # 7R

NIAGARA MOHAWK POWER CORP.

NEW YORK STATE NAT. GAS CORP.

MT. PLEASANT BURDECK POWER LINE

SURVEY BASE LINE (NEW)

SURVEY BASE LINE AZ 115°-45'-20"

Prepared and Recommended

E. H. HARLOW, V.P. M.Y. STATE P.E. LIC. NO 20747 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
NEW YORK 3, N.Y.

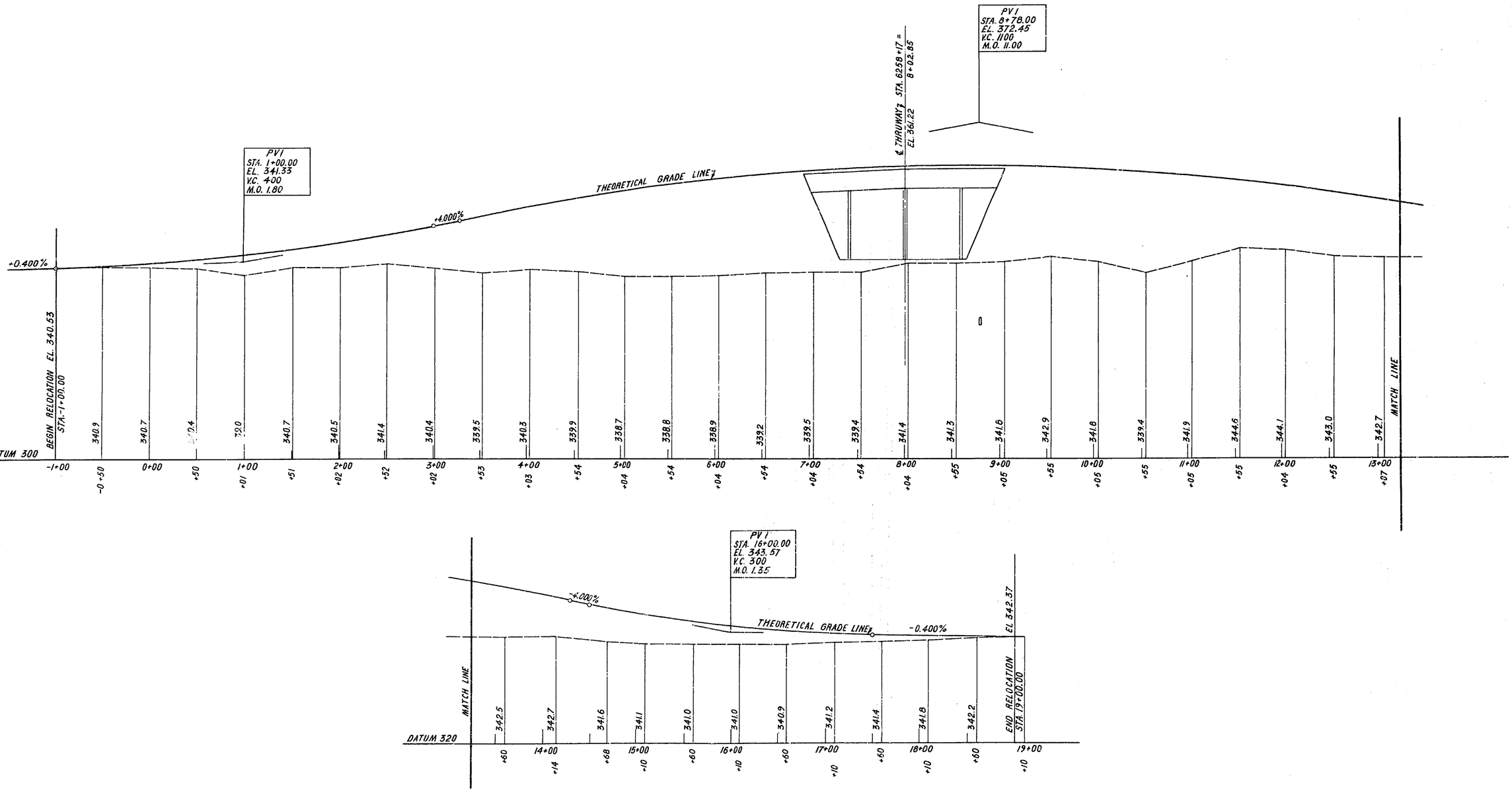
MADE BY F. Kleçan TRACED BY B. Mysak CHECKED BY E. Kmiotek
PLAN
PROFILE

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No.

195

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N.Y.		-	152	157
MOHAWK SECTION SUB DIVISION					



PROFILE

RELOCATED CHURCH ROAD

CO. ROAD NO.7 R

Scale: Hor: 1" = 50'
Vert. 1" = 10'

Prepared and Recommended:

E. H. HARLOW, V.P. N.Y. STATE P.E. LIC. NO. 20747 DATE
FREDERIC R. HARRIS INC. CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK, N.Y.

	MADE BY	TRACED BY	CHECKED BY
PLAN			
PROFILE	P. Klecan	G. Niponicz	E. Kmiotek

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No.

195

481-3-10A-91

24:1

M.T. 53-3

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			153	157
MOHAWK SECTION, SUB DIVISION 1					

6277 + 14.70
[007,644.44 N
601,311.30 E

6280 + 15.64
[007,742.33 E
601,544.36 E

TRUE NORTH

@ STA. 6283 + 37.14
N 1,007,295.52
E 601,828.03

6285 + 85.34
1,007,054.79 N
602,033.84 E

Ben Ruchalski

Blackstone Fence & Trees

G. Blackstone

Fee Map 285 Parcel 310

Flat with red eye Dist 21.65'

Hub with red eye Dist 20.83'

Flat with red eye Dist. 14.40'

NEW SURVEY BASE LINE

AZ. 115°-30'-00"
649.68'

AZ. 123°-59'-00"
400.94'

9" Apple Dist 35.77'

7" Apple Dist 31.67'

6" Apple Dist 8.29'

EDGE OF PAVEMENT – NORTH BOUND DRIVE

CENTERLINE OF THRUWAY

EDGE OF PAVEMENT – SOUTH BOUND DRIVE

6273 6274 6275 6276 6277 6278 6281 6282 6283 6284 6286 6287 6288 6289

22' 22' 24' 45.67' 90°

AZ. 123°-59'-00"
469.70'

B.M. # 83
Bolt in Base of 30" Oak
Sta. 6284 + 25.00, 30' L of new ℄
Elev. 356.495

Hub with red eye Dist. 17.56'

Flat with red eye Dist. 20.88'

Hub with red eye Dist. 22.62'

AZ. 123°-59'-00"
529.86'

24" RCCP

Fee Map 285 Parcel 310

Fee Map 287 Parcel 313

Swamp

Swamp

24" RCCP (146)

Ben Ruchalski

24" RCCP (147)

AZ. 236°-51'-30"
661.09'

18" S.P.

18" S.P.

16" S.P.

16" S.P.

16" S.P.

24" RCCP (148)

24" RCCP (149)

CURVE DATA
R = 13,500'
Δ = 10°-12'-51.61"
T = 1206.55'
L = 2406.70'

P.I. STA. 6283 + 32.22
P.I. R = 13,500'

601,000 E
1,007,500 N

1,007,000 N
602,000 E

R.O.W.

Fence & Trees

A. Rosin

CITY OF SCHENECTADY
Monument Rice

PLAN

Scale: 1" = 50'

P.V.I.
STA. 6284+00
EL. 355.76
V.C. 300
M.O. 0.89

MATCH LINE

MATCH LINE

NORTH BOUND

SOUTH BOUND

+0.540 %

THEORETICAL GRADE LINE

-0.353 %

Profile of Ditch ℄

STA. 6273 + 20
EL. 349.92

STA. 6289 + 13
EL. 353.95

DATUM 3007.

	6273	6274	6275	6276	6277	6278	6279	6280	6281	6282	6283	6284	6285	6286	6287	6288	6289
	+20	+70	+20.5	+70.5	+20.5	+70.5	+21	+71	+21	+61	+11	+61	+12	+62	+13	+63	+12	+62	+12	+62	+12	+63	+13	+63	+13	+63	+13	+63	+13	+63	+12	+62	+13
	347.0	346.7	347.1	347.4	347.2	346.8	347.9	349.0	350.0	350.4	351.1	351.9	351.9	355.2	359.0	362.3	364.0	365.7	363.6	361.8	358.6	356.0	354.9	354.9	354.4	353.5	352.1	351.6	351.2	350.7	351.0	351.0	351.0	351.1
	346.0	346.4	348.0	350.8	350.5	350.5	350.5	349.8	350.5	350.8	351.5	352.3	355.9	360.0	364.3	364.8	365.6	363.5	362.2	359.3	356.4	354.0	353.8	354.0	353.2	352.0	351.5	351.3	351.0	351.3	351.2	351.3	351.8

PROFILE

Scale: Hor. 1" = 50'
Vert. 1" = 10'

Prepared and Recommended:

E.H. HARLOW, V.P. N.Y. STATE P. E. LIC. NO. 20747 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

	Made by	Traced by	Checked by
PLAN	A. Manfredi	G. Nipanicz	E. Kmiotek
PROFILE	A. Manfredi	B. Kirsch	E. Kmiotek

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No. 195

481-3-10A-71

STATE		FISCAL YEAR	SHEET NO.	SHEETS
N. Y.			153	157

MOHAWK SECTION, SUB DIVISION 1

123R

Blackstone & Ferrente Fence & Iron

A. Blackstone

Ben Ruchalski

A. Rosin

R.O.W.

NEW SURVEY BASE LINE

EDGE OF PAVEMENT – NORTH BOUND DRIVE

CENTERLINE OF THRUWAY

EDGE OF PAVEMENT – SOUTH BOUND DRIVE

Swamp

Swamp

Fee Map 285 Parcel 310

Fee Map 285 Parcel 310

Fee Map 287 Parcel 313

Fee Map 286 Parcel 311

Flat with red eye Dist. 21.65'

Hub with red eye Dist. 20.63'

Flat with red eye Dist. 14.40'

9" Apple Dist. 35.77'

7" Apple Dist. 31.67'

6" Apple Dist. 8.29'

Hub with red eye Dist. 22.62'

Hub with red eye Dist. 17.56'

Rail with red eye Dist. 20.86'

AZ. 115°-30'-00" 649.68'

AZ. 123°-59'-00" 400.94'

AZ. 123°-59'-00" 469.70'

AZ. 123°-59'-00" 529.86'

+ AZ 123°-33'-40" 7

AZ. 236°-51'-30" 660.09'

45.67'

90°

22'

22'

22'

22'

24" RCCP (146)

24" RCCP (147)

24" RCCP (148)

24" RCCP (149)

18" S.P.

18" S.P.

18" S.P.

18" S.P.

18" S.P.

6273 6274 6275 6276 6277 6278 6281 6282 6283 6284 6286 6287 6288 6289

6277+14.70 1,007,644.44 N 601,311.90 E

6281+15.64 1,007,433.33 N 601,644.36 E

6285+85.34 1,007,154.79 N 602,038.84 E

N.1,007,255.65 E 601,802.50

@ STA. 6283+37.14 N 1,007,293.52 E 601,828.03

B.M.#85 Bolt in Base of 30" Oak Sta. 6284+28.00, 30'-L of new ℄ Elev. 356.435

CURVE DATA
R = 13,500'
Δ = 10°-12'-51.61"
T = 1206.55'
L = 2406.70'

P.T. STA. 6283+48.22

R=13,500'

1,007,500 N 601,000 E

1,007,000 N 602,000 E

R.O.W.

CITY OF SCHENECTADY Monument Rice

TRUE NORTH

MATCH LINE

MATCH LINE

PLAN

Scale: 1"=50'

P.V.I.
STA. 6284+00
EL. 355.76
V.C. 800
M.O. 0.89

NORTH BOUND

SOUTH BOUND

THEORETICAL GRADE LINE

+0.540%

-0.353%

Profile of Ditch

STA. 6273+20 EL. 349.92

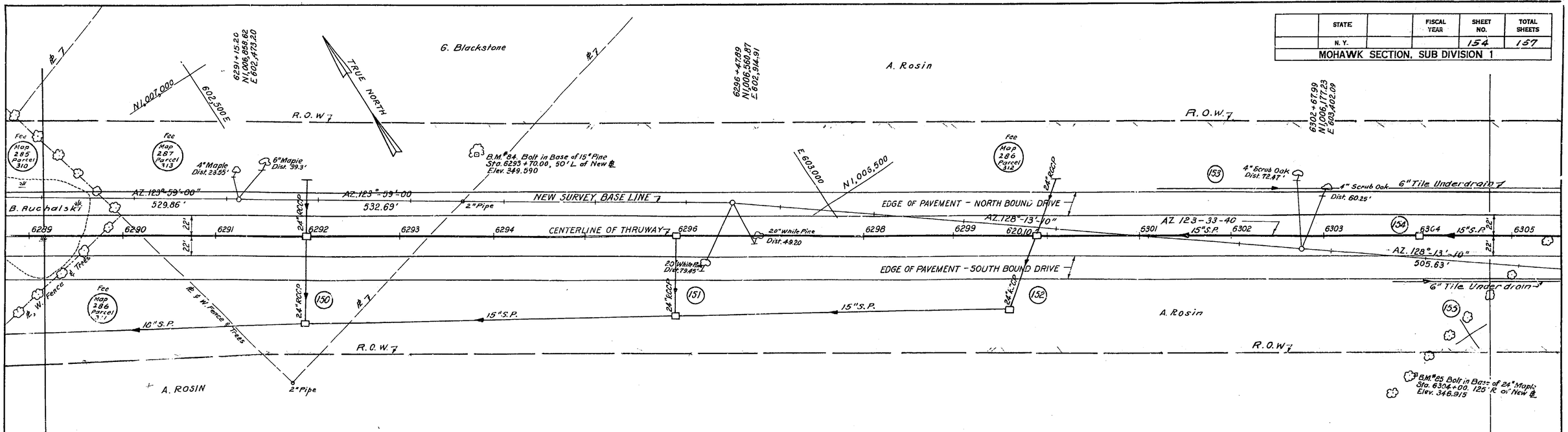
STA. 6289+13 EL. 353.95

DATUM 300

| | | |

M.T. 53-3

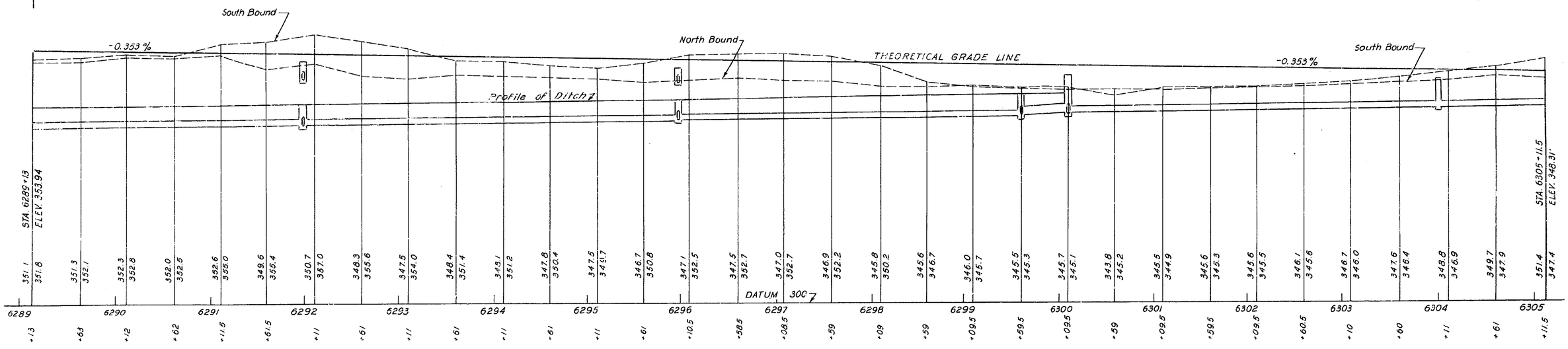
	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			154	157
MOHAWK SECTION, SUB DIVISION 1					



PLAN
Scale: 1"=50'

MATCH LINE

MATCH LINE



PROFILE
Scale: Vert: 1"=10'
Hor: 1"=50'

Prepared and Recommended:

E. H. HARLOW, V. P. N. Y. STATE P. E. LIC. NO. 20747 DATE
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
7 WILLIAM ST., NEW YORK 5, N. Y.

	Made by	Traced by	Checked by
PLAN	A. Manfredi	M.A. Pineda	E. Kmiotek
PROFILE	A. Manfredi	M.A. Pineda	E. Kmiotek

Prepared Pursuant to the Highway Law and Recommended by

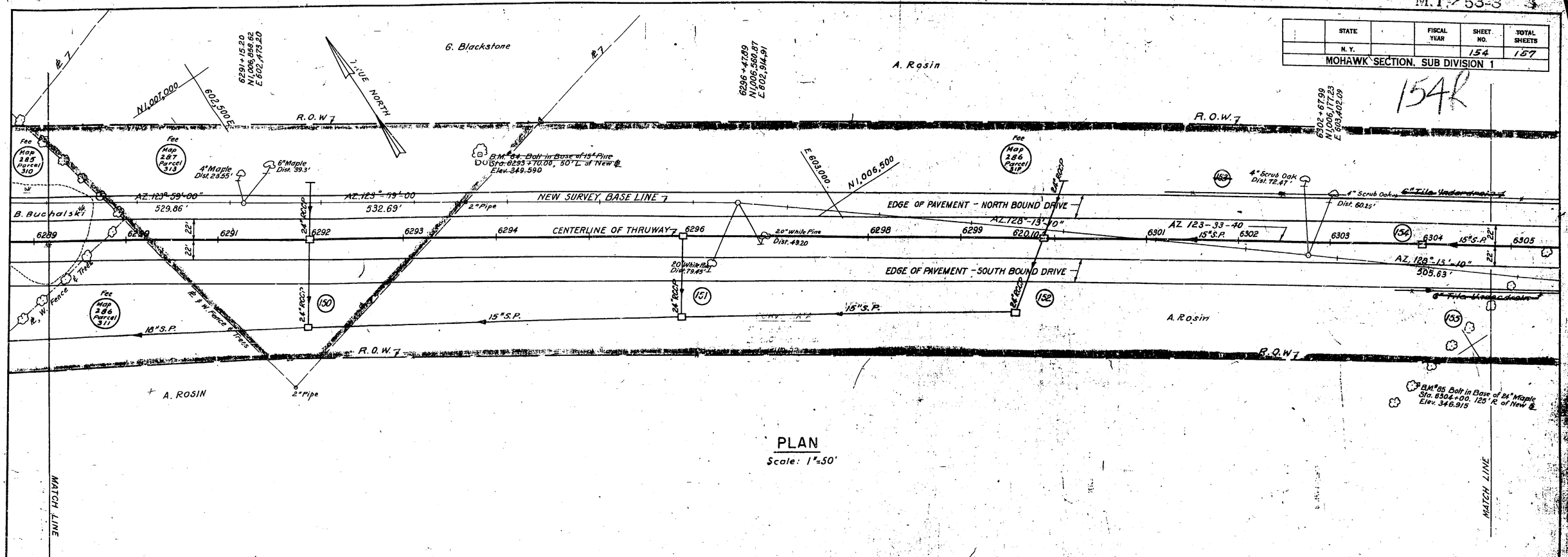
Engineer Dist. No.
195

431-3-10A: 72

M.T. 53-3

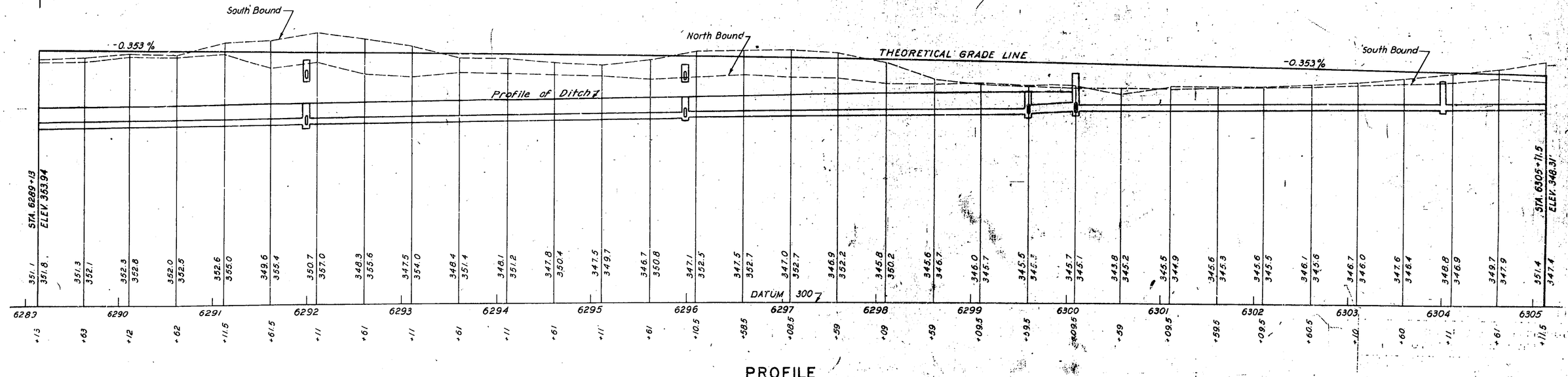
	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			154	157
	MOHAWK SECTION, SUB DIVISION 1				

154R



PLAN

Scale: 1"=50'



PROFILE

Scale: Vert: 1"=10'
Hor: 1"=50'

Prepared and Recommended:

E.H. HARLOW, V.P. N.Y. STATE P. E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

	Made by	Traced by	Checked by
PLAN	A. Manfredi	M-A. Pineda	E. Kmiotek
PROFILE	A. Manfredi	M.A. Pineda	E. Kmiotek

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No. 195

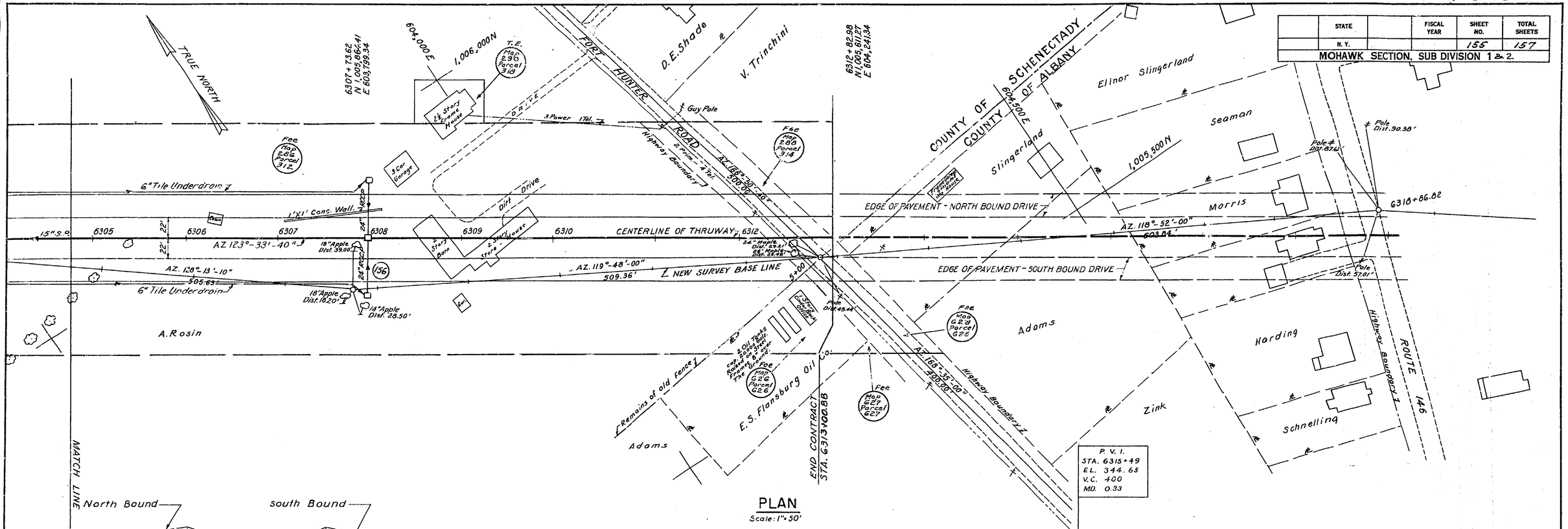
A21-3-10A-72

24:1

M.T. 53-3

STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
N.Y.			155	157

MOHAWK SECTION, SUB DIVISION 1 & 2.



PLAN
Scale: 1"= 50'

PROFILE
Scale: Vert 1"= 10'
Hor: 1"= 50'

Prepared and Recommended:

E.H. HARLOW, V.P. N.Y. STATE P.E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
17 WILLIAM ST., NEW YORK 5, N.Y.

	Made by	Traced by	Checked by
PLAN	A. Manfredi	M-A. Pineda	E. Kmiotek
PROFILE	A. Manfredi	S. Metzger	E. Kmiotek

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No.

195

APL-3-10A-73

M.T. 53

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			155	157
MOHAWK SECTION, SUB DIVISION 1 & 2.					

155A

TRUE NORTH

604,000 E 1,006,000N

T.E. Map 2.96 Parcel 318

1½ Story Frame House

6307+73.62 N 1,005,864.41 E 603,799.34

FORT HUNTER ROAD

D.E. Shade & V. Trinchini

6312+82.98 N 1,006,611.27 E 604,241.34

Guy Pole

3 Power 1 Tel

Highway Boundary

Fee Map 2.96 Parcel 312

Fee Map 2.96 Parcel 314

AZ 168°-30'-10" 900.00'

COUNTY OF SCHENECTADY / COUNTY OF ALBANY

604,500 E

Elinor Slingerland

Seaman

Slingerland

1,005,500 N

Pole Dist. 90.38'

Pole Dist. 87.61'

3 Car Garage

Dirt Drive

1'x1' Conc. Wall

6" Tile Underdrain

EDGE OF PAVEMENT - NORTH BOUND DRIVE

Morris

6316+86.02

15" S.P.

6305 6306 6307 6308 6309 6310

CENTERLINE OF THRUWAY

AZ 123°-33'-40"

AZ 119°-52'-00" 603.84'

22' 22' 24' 24'

18" Apple Dist. 39.00'

2 Story Barn

2 Story House

2 Story Store

2 Story Garage

2 Maple Dist. 2.5' 4.5' 7.5' 9.5'

AZ 119°-48'-00" 309.36'

℄ NEW SURVEY BASE LINE

EDGE OF PAVEMENT - SOUTH BOUND DRIVE

Pole Dist. 37.01'

AZ 128°-13'-10" 605.89'

6" Tile Underdrain

18" Apple Dist. 18.20'

18" Apple Dist. 28.50'

156

A. Rosin

Fee Map 6.26 Parcel 625

Adams

Harding

Highway Boundary

ROUTE 146

Fee Map 6.26 Parcel 626

Fee Map 6.26 Parcel 627

E.S. Flansburg Oil

Remains of old Fence

AZ 168°-35'-00" 900.00'

Highway Boundary

Zink

Schnelling

END CONTRACT STA. 631+90.88

MATCH LINE

P.V.I. STA. 6315+49 EL. 344.65 V.C. 400 M.D. 0.33

PLAN

Scale: 1"=50'

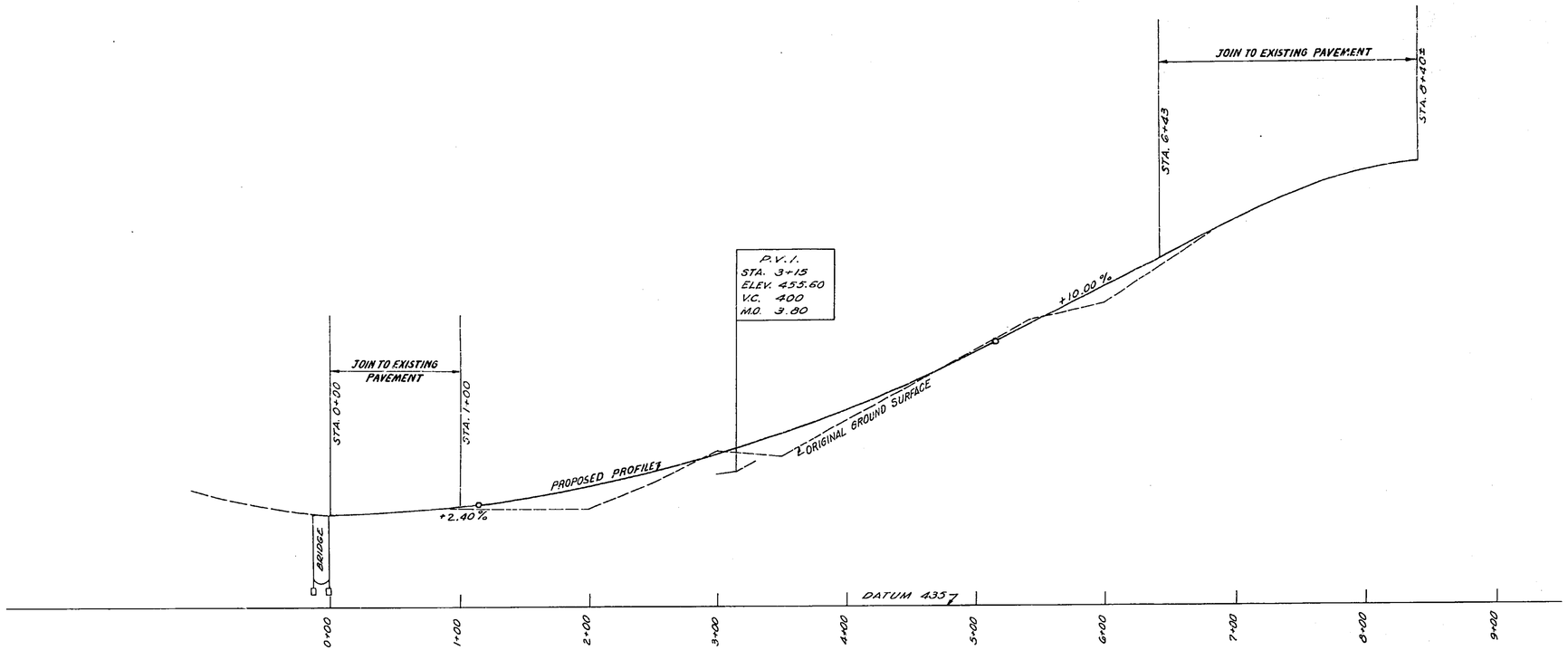
North Bound

South Bound

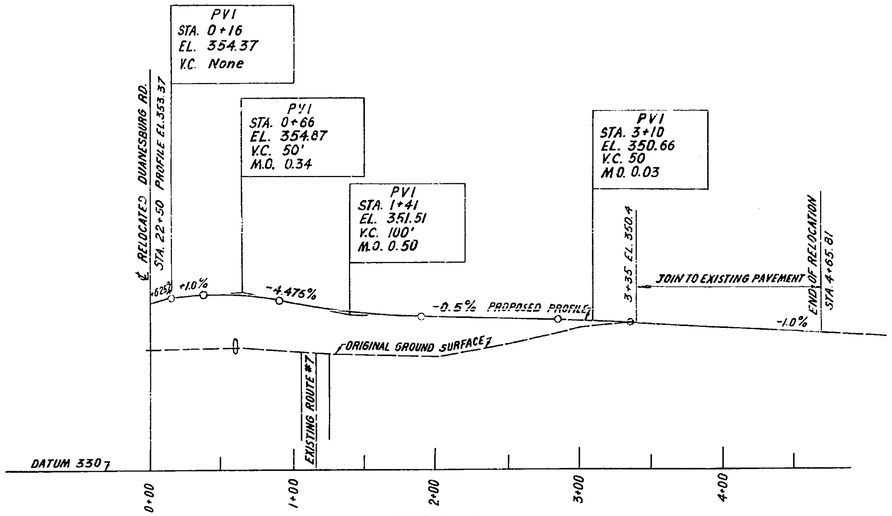
THEORETICAL GRADE LINE -0.353%

| | | | | |

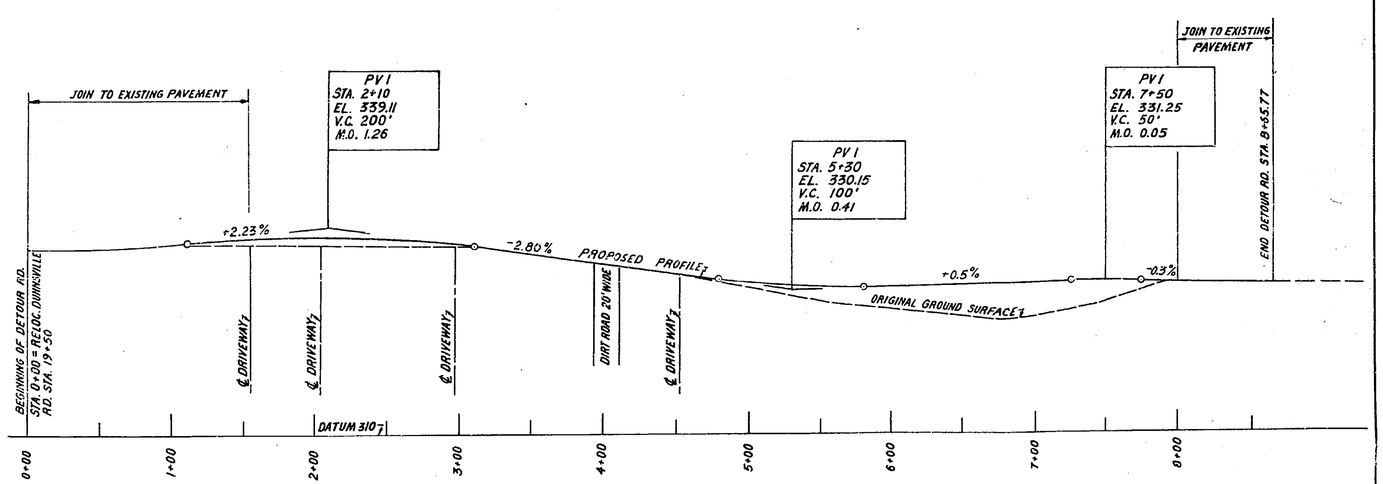
	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			156	157
MOHAWK SECTION, SUB DIVISION 1					



PROFILE
PUTNAM ROAD (DETOUR)
Scale: Hor. 1"=50'
Ver. 1"=10'



PROFILE
RELOCATED BURDECK ST.
Scale: Hor. 1"=50'
Ver. 1"=10'



PROFILE
DUNNSVILLE ROAD (DETOUR)
Scale: Hor. 1"=50'
Ver. 1"=10'

Prepared and Recommended:

E. H. HARLOW, V.P. N. Y. STATE P. E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N. Y.

	Made by	Traced by	Checked by
PLAN			
PROFILE	A. Manfredi	G. Nipanicz	A. Manfredi

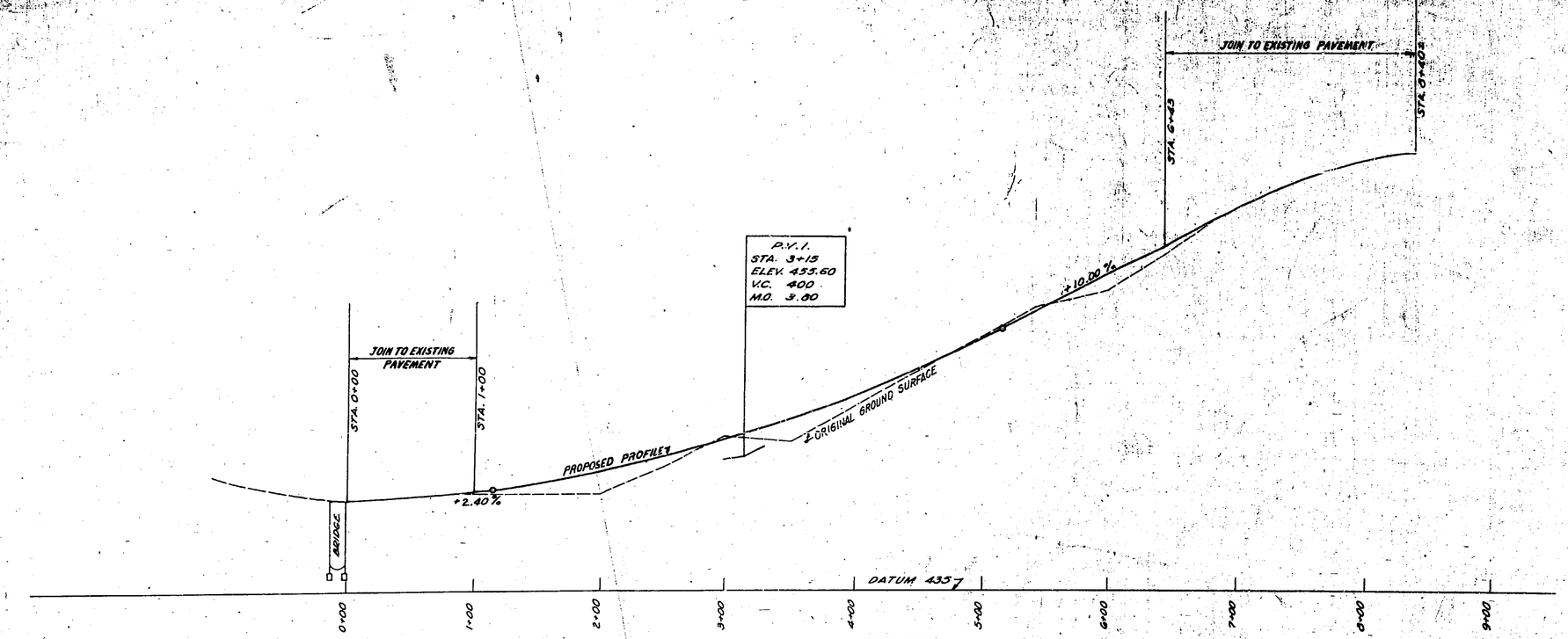
Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No. 195

51-3-10A-22

STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
N.Y.			156	157
MOHAWK SECTION, SUB DIVISION 1				

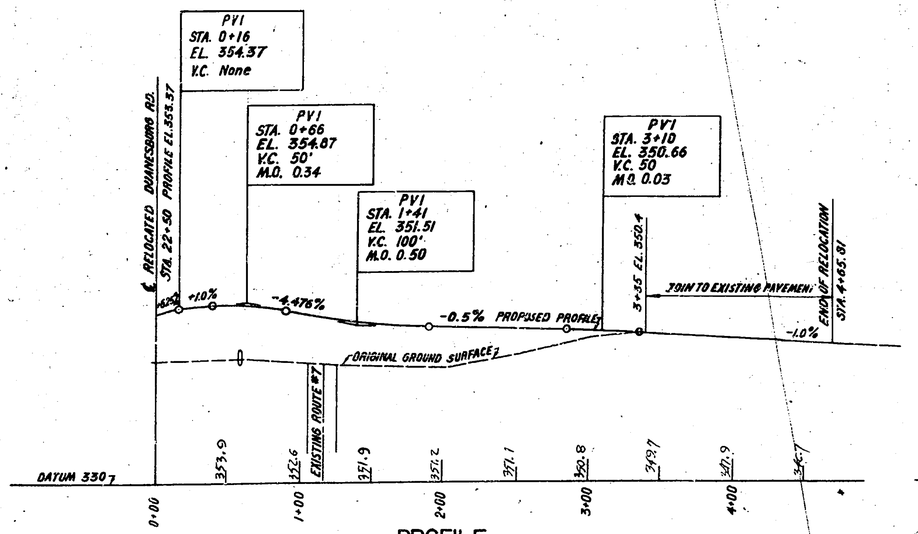
156R



PROFILE

PUTNAM ROAD (DETOUR)

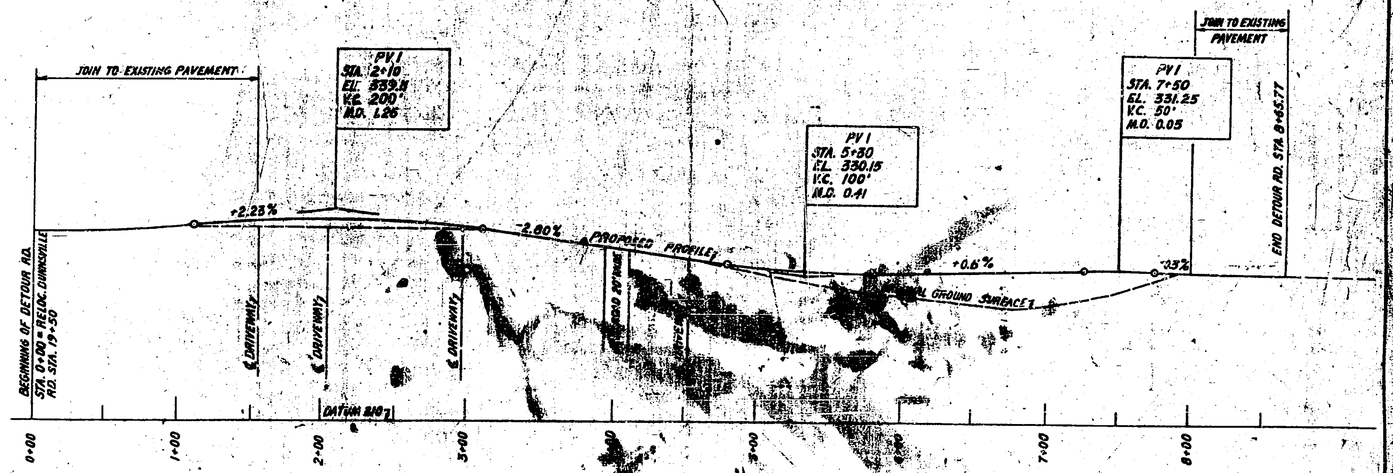
Scale: Hor. 1"=50'
Ver. 1"=10'



PROFILE

RELOCATED BURDECK ST.

Scale: Hor. 1"=50'
Ver. 1"=10'



PROFILE

DUNNSVILLE ROAD (DETOUR)

Scale: Hor. 1"=50'
Ver. 1"=10'

Prepared and Recommended:

E. H. HARLOW, V.P. N. Y. STATE P. E. LIC. NO. 20747 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

	Made by	Traced by	Checked by
PLAN			
PROFILE	A. Manfredi	G. Nipaniez	A. Manfredi

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No.

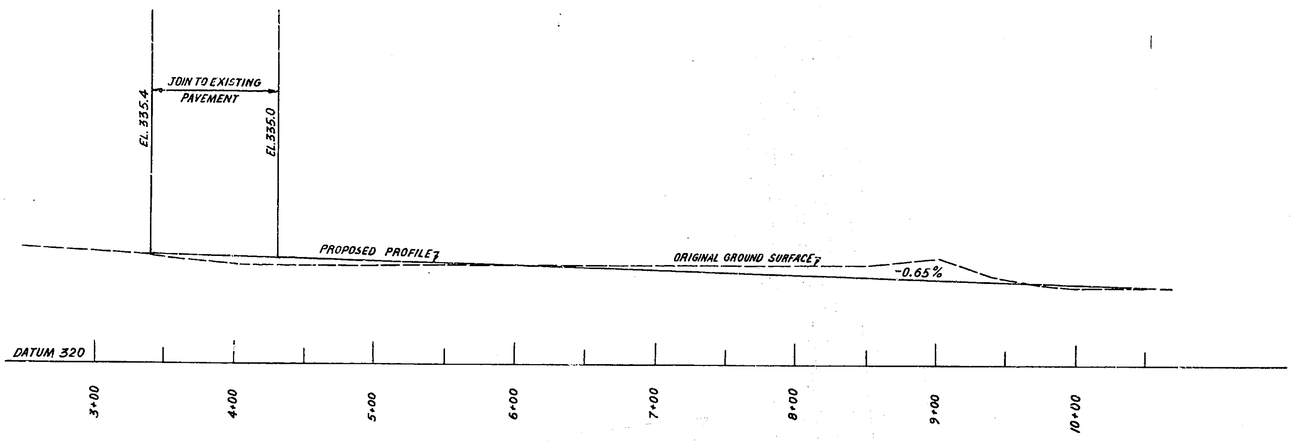
185

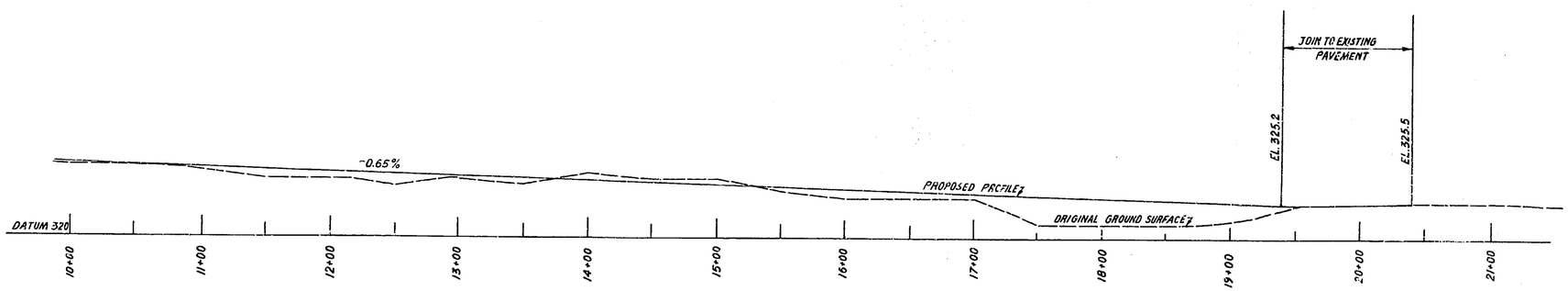
ABPS-10A-59

24:1

R.C. 53-19

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	N. Y.			157	157
MOHAWK SECTION, SUB DIVISION 1					





PROFILE

SCHENECTADY - GUILDERLAND (DETOUR)

Scale: Hor. 1"=50'
Ver. 1"=10'

Prepared and Recommended:

E. H. HARLOW, V.P. N. Y. STATE P. E. LIC. NO. 27767 DATE

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
7 WILLIAM ST., NEW YORK 5, N. Y.

	Made by	Traced by	Checked by
PLAN			
PROFILE	A. Manfredi	G. Niponica	A. Manfredi

Prepared Pursuant to the Highway Law and Recommended by

Engineer Dist. No. 195

481-3-10A-98