

**NEW YORK STATE THRUWAY AUTHORITY  
DEPARTMENT OF ENGINEERING**

**ALBANY, NY  
MAY 28, 2026**

**AMENDMENT NO. 2  
TO**

**CONTRACT TANY 26-17B  
D215020  
REPLACEMENT OF THE PINE HILL ROAD  
BRIDGE OVER I-87 AT MP 47.58,  
REHABILITATION OF I-87 BRIDGE OVER  
SMITH CLOVE ROAD AT MP 47.04,  
AND RESURFACING AND SAFETY IMPROVEMENTS  
ON I-87 BETWEEN MP 46 AND MP 48  
IN THE NEW YORK DIVISION  
OF THE NEW YORK STATE THRUWAY  
IN ORANGE COUNTY**

**IN THE LETTING OF  
JUNE 17, 2026**

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**NOTE:** This amendment shall be attached to and become a part of the Proposal for Contract TANY 26-17B.

**NOTICE**

For Electronic Bidders, the Project's amended EBSX file will automatically account for any necessary item changes (deletions, changes in quantities, or additions) that this Amendment may describe as being required regarding the project's estimated cost. Instructions to make physical changes to the Project Proposal's bid sheets are intended for "paper" Bidders who choose to submit bids via paper.

Questions and Answers for this project are available from the Authority's website, specifically at: [https://content3.thruway.ny.gov/netdata/contractors/documents/d215020\\_tany26-17b\\_questions-and-answers-05-28-2026.pdf](https://content3.thruway.ny.gov/netdata/contractors/documents/d215020_tany26-17b_questions-and-answers-05-28-2026.pdf). This document may be updated periodically without formal issuance of an Amendment. Prospective bidders are advised to revisit this link weekly and before proposals are due, for any possible additional questions and answers information.

**PROPOSAL****1. DELETE** the following Items:

<u>Contract Proposal Page</u>	<u>Item No.</u>	<u>Description</u>	<u>Unit</u>	<u>Estimated Quantity</u>
204	202.2201	Removal of Steel Supported Structural Slabs (with Shear Connectors) – Type A	SF	1,968
205	209.110311	Check Dam, Sediment Filter Log – Temporary, 12”, Type A	LF	12,416
212	582.0061	Removal of Structural Concrete – Replacement with Vertical and Overhead Patching Material	SF	225
212	603.98100402	Perforated Corrugated Polyethylene Underdrain Pipe – 4 Inch	LF	300

The “paper” Bidder shall **CROSS OUT** and not enter a bid for these items in the Contract Proposal. If the Bidder fails to make these changes, the Authority will do so and adjust the TOTAL BID, accordingly.

**DELETE** all other references to the above item(s) in the Contract Plans and Contract Proposal, including the Special Specifications as shown on pages 42 and 43.

**2. CHANGE** the estimated quantity for the following Items:

<u>Contract Proposal Page</u>	<u>Item No.</u>	<u>Description</u>	<u>Unit</u>	<u>Initial Estimated Quantity</u>	<u>Revised Estimated Quantity</u>
204	203.02	Unclassified Excavation and Disposal	CY	16,975	14,407
204	203.03	Embankment in Place	CY	1,599	1,693
204	203.24000025	Shoulder Backup Material	CY	1,015	1,191
205	206.0201	Trench and Culvert Excavation	CY	148	266
207	404.19790025	19 F9 Binder Course Asphalt, 70 Series with Nuclear Gage Density Monitoring	CY	5,788.40	3,948
208	490.30	Miscellaneous Cold Milling of Bituminous Concrete	SY	3,476	3,313
209	557.2119	Superstructure Slab with Separate Wearing Surface Bottom Formwork Required	SY	286	215
211	567.63	Bridge Joint Seal	LF	278	50
212	582.0051	Removal and Replacement of Structural Concrete	CY	10	9
212	585.01	Structural Lifting Operations – Type A	Each	12	16
212	605.1001	Underdrain Filter Type 2	CY	34	172

Contract Proposal Page	Item No.	Description	Unit	Initial Estimated Quantity	Revised Estimated Quantity
218	610.1402	Topsoil – Roadside	CY	1,254	839
218	610.1601	Turf Establishment – Roadside	SY	11,278	7,543
220	627.5014 08	Cutting Pavement	LF	8,740	8,958

The “paper” Bidder shall **CROSS OUT** the estimated quantity shown for these items in the Contract Proposal, **WRITE IN** the revised estimated quantity, and submit its bid based on the noted changes. If the Bidder fails to make these changes, the Authority will do so and adjust the BID AMOUNT for the items and TOTAL BID, accordingly.

3. **ADD** the following Item:

<u>Contract Proposal Page</u>	<u>Item No.</u>	<u>Description</u>	<u>Unit</u>	<u>Estimated Quantity</u>
223A-A2	202.2202	Removal of Steel Supported Structural Slabs (With Shear Connectors) - Type B	SF	1,968
223A-A2	209.1311	Sediment Filter Log - Temporary, 12", Type A	LF	12,416
223A-A2	404.09720025	9.5 F2 Top Course Asphalt, 70 Series with Nuclear Gage Density Monitoring	Ton	1,840
223A-A2	567.51000016	Sealing Existing Bridge Deck Joints	LF	228
223A-A2	582.0052	Removal and Replacement of Structural Concrete	CY	225
223A-A2	605.1502	Perforated Corrugated Polyethylene Underdrain Tubing, 6 Inch Diameter	LF	1,687
223A-A2	605.21015025	Precast Concrete Headwalls for 6” Lateral Outlet Pipes	Each	9

The “paper” Bidder must **RETURN THE ATTACHED PAGE 223A-A2** with its bid for this Contract.

4. **Add** the attached Page **31A-A2**. The special specification for Item 567.51000016, Sealing Existing Bridge Deck, is now available.
5. **Add** attached Page **44A-A2**. The special specification for Item 605.21015025, Precast Concrete Headwalls for 6” Lateral Outlet Pipes, is now available.

## **PLANS**

6. On Drawing Number TRS-1, Sheet 112 of 180, in the list of Items Table and all three Highway Approach Cross Sections for all Stages, the prospective bidder is to revise any previous reference in

the drawing for Item 209.2301, Sediment Filter Log Temporary, 12" to read as Item 209.1311, Sediment Filter Log - Temporary, 12", Type A, instead.

7. **DELETE** Drawing Number BTCP-1, Sheet 113 of 180, and **SUBSTITUTE** with the attached Drawing Number BTCP-1, Sheet 113A2 of 180. In the Stage 2 (Northbound) Typical Half Section, the cold milling (4 ½" of Item 490.30) and resurfacing (3" Item 404.19790025 and 1 ½" Item 404.09720025) have been moved to outside of the 19'-0" deck overhang replacement. The details have been changed to consistently show how the asphalt over the deck overhangs is being paid for (under Item 202.2201). The decrease in Miscellaneous Cold Milling as mentioned in Entry 2 above is due to no longer including removal of the asphalt overlay in the deck overhang areas.
8. **DELETE** Drawing Number APPR-1, Sheet 114 of 180, and **SUBSTITUTE** with the attached Drawing Number APPR-1, Sheet 114A2 of 180. The Section A-A detail has been corrected. Previous callouts to soil and seed have been changed to asphalt pavement. Dimensions have been revised and a new item for the underdrain is now shown. In The Typical Shoulder Reconstruction Detail, a new call out for the outlet pipe has been added. In the Left Shoulder Restoration Detail, the width and depth of the shoulder backup have been increased, and the required slope updated. Note 1 has been updated to now account for the changes being proposed in this Amendment. Lastly, in the list of Items Table, Existing Roadway Section, Proposed Typical Roadway Section, and Typical Shoulder Reconstruction Detail, the prospective bidder is to revise any previous reference in the drawing for Item 209.2301, Sediment Filter Log Temporary, 12" to read as Item 209.1311, Sediment Filter Log - Temporary, 12", Type A, instead.
9. On Drawing Number WZTC-1-01, Sheet 117 of 180, in the Legend the prospective bidder is to revise any previous reference in the drawing for Item 209.2301, Sediment Filter Log Temporary, 12" to read as Item 209.1311, Sediment Filter Log - Temporary, 12", Type A, instead.
10. On Drawing Number WZTC-1-02, Sheet 118 of 180, in the Legend and as called out near Station 947+00 (upper right), the prospective bidder is to revise any previous reference in the drawing for Item 209.2301, Sediment Filter Log Temporary, 12" to read as Item 209.1311, Sediment Filter Log - Temporary, 12", Type A, instead.
11. On Drawing Number WZTC-1-03, Sheet 119 of 180, in the Legend and as called out near Station 950+00 (upper left of middle), the prospective bidder is to revise any previous reference in the drawing for Item 209.2301, Sediment Filter Log Temporary, 12" to read as Item 209.1311, Sediment Filter Log - Temporary, 12", Type A, instead.
12. On Drawing Number WZTC-1-04, Sheet 120 of 180, in the Legend and as called out near Station 960+00 (bottom middle), the prospective bidder is to revise any previous reference in the drawing for Item 209.2301, Sediment Filter Log Temporary, 12" to read as Item 209.1311, Sediment Filter Log - Temporary, 12", Type A, instead.
13. On Drawing Number WZTC-1-05, Sheet 121 of 180, in the Legend and as called out near Station 968+00 (middle left), the prospective bidder is to revise any previous reference in the drawing for Item 209.2301, Sediment Filter Log Temporary, 12" to read as Item 209.1311, Sediment Filter Log - Temporary, 12", Type A, instead.
14. **DELETE** Drawing Number WZTC-1-06, Sheet 122 of 180, and **SUBSTITUTE** with the attached Drawing Number WZTC-1-06, Sheet 122A2 of 180. Three new station references for the proposed 6" Smooth Interior Pipe Lateral outlets have been added. A new Note 3 has been added to refer to the outlet details. A new Legend has been added to account for the proposed underdrain to be replaced

during Stage 2. Lastly, in the Legend and as called out near Station 977+00 (middle left), the prospective bidder is to revise any previous reference in the drawing for Item 209.2301, Sediment Filter Log Temporary, 12" to read as Item 209.1311, Sediment Filter Log - Temporary, 12", Type A, instead.

15. **DELETE** Drawing Number WZTC-1-07, Sheet 123 of 180, and **SUBSTITUTE** with the attached Drawing Number WZTC-1-07, Sheet 123A2 of 180. Southbound Left Shoulder Underdrain Replacement Limits have been added to the bottom half of the drawing. Six new station references for the proposed 6" Smooth Interior Pipe Lateral outlets have been added to the drawing. A new Note 3 has been added to refer to the outlet details. A new Legend has been added to account for the proposed underdrain to be replaced during Stage 2 (NB) and Stage 5 (SB). Lastly, in the Legend and as called out near Station 984+00 (bottom left), the prospective bidder is to revise any previous reference in the drawing for Item 209.2301, Sediment Filter Log Temporary, 12" to read as Item 209.1311, Sediment Filter Log - Temporary, 12", Type A, instead.
16. On Drawing Number WZTC-2-01, Sheet 124 of 180, in the Legend the prospective bidder is to revise any previous reference in the drawing for Item 209.2301, Sediment Filter Log Temporary, 12" to read as Item 209.1311, Sediment Filter Log - Temporary, 12", Type A, instead.
17. On Drawing Number WZTC-2-02, Sheet 125 of 180, in the Legend the prospective bidder is to revise any previous reference in the drawing for Item 209.2301, Sediment Filter Log Temporary, 12" to read as Item 209.1311, Sediment Filter Log - Temporary, 12", Type A, instead.
18. On Drawing Number WZTC-2-03, Sheet 126 of 180, in the Legend and as called out near Station 962+00 (bottom right), the prospective bidder is to revise any previous reference in the drawing for Item 209.2301, Sediment Filter Log Temporary, 12" to read as Item 209.1311, Sediment Filter Log - Temporary, 12", Type A, instead.
19. On Drawing Number WZTC-2-04, Sheet 127 of 180, in the Legend and as called out near Station 963+00 (bottom left), the prospective bidder is to revise any previous reference in the drawing for Item 209.2301, Sediment Filter Log Temporary, 12" to read as Item 209.1311, Sediment Filter Log - Temporary, 12", Type A, instead.
20. On Drawing Number WZTC-2-05, Sheet 128 of 180, in the Legend and as called out near Station 972+00 (bottom left), the prospective bidder is to revise any previous reference in the drawing for Item 209.2301, Sediment Filter Log Temporary, 12" to read as Item 209.1311, Sediment Filter Log - Temporary, 12", Type A, instead.
21. On Drawing Number WZTC-2-06, Sheet 129 of 180, in the Legend the prospective bidder is to revise any previous reference in the drawing for Item 209.2301, Sediment Filter Log Temporary, 12" to read as Item 209.1311, Sediment Filter Log - Temporary, 12", Type A, instead.
22. **DELETE** Drawing Number MD-01, Sheet 135 of 180, and **SUBSTITUTE** with the attached Drawing Number MD-01, Sheet 135A2 of 180. The Bridge Joint & Haunch Reconstruction Detail has been revised. The previously proposed deck/haunch repair (to have been paid for under Item 557.2119) has been eliminated, along with the callout to replace the bridge joint. Silicone caulking to be paid for under newly added Item 567.51000016, Sealing Existing Bridge Deck Joints, and a bond breaker to be paid for under Item 557.2119 have been added to the detail.
23. **DELETE** Drawing Number EBP-1, Sheet 136 of 180, and **SUBSTITUTE** with the attached Drawing Number EBP-1, Sheet 136A2 of 180. An additional hatching has been added to the Legend and

drawing to indicate the pay limits of Item 202.2201. Removed the miscellaneous cold milling limits from the deck removal limits. Widened the cold milling limits on the (north) end approach to now include the shoulders. A callout to sawcut the pavement has been added at the overhang cut lines at each side of the Plan View, and the costs for the sawcuts at the overhangs are to be included in Item 202.2201.

24. **DELETE** Drawing Number GN-1, Sheet 139 of 180, and **SUBSTITUTE** with the attached Drawing Number GN-1, Sheet 139A2 of 180. General Note 13 has been corrected. Superstructure Note 24 has been revised. Superstructure Removal Note 28 has been deleted and the subsequent notes renumbered. Reconstruction Note 49 has been deleted and the subsequent notes renumbered. Previous Reconstruction Note 58 (now 56) has been revised. Asbestos Note 63 (now 61) has been revised to clarify the location of the ACM. Lastly, both Bridge Steel Girder Painting Notes 66 and 67 (now 64 and 65) have been updated.
25. **DELETE** Drawing Number DR-1, Sheet 154 of 180, and **SUBSTITUTE** with the attached Drawing Number DR-1, Sheet 154A2 of 180. The 1" sawcut dimension on the Northbound Deck Removal (Drawing Stages 2 & 5) detail has been removed. Note 2 has been revised to reference the corrected Drawing Number **DRD-1**.
26. **DELETE** Drawing Number PD-1, Sheet 155 of 180, and **SUBSTITUTE** with the attached Drawing Number PD-1, Sheet 155A2 of 180. In the Section A-A Proposed New Concrete Deck Overhang Portion of Deck and Asphalt Overlay detail, the previous callout to the preformed closed cell cross-linked joint seal, Item 567.63, has been replaced with a pavement seal on both sides. Steel reinforcement bar marks, and Notes 1 through 4 have been revised.
27. **DELETE** Drawing Number SFP-1, Sheet 156 of 180, and **SUBSTITUTE** with the attached Drawing Number SFP-1, Sheet 156A2 of 180. Previous references to Limits of Header Reconstruction on both abutments have been removed from the Steel Framing Plan. The pedestal numbers on the end (north) abutment have been revised.
28. **DELETE** Drawing Number GLO-1, Sheet 157 of 180, and **SUBSTITUTE** with the attached Drawing Number GLO-1, Sheet 157A2 of 180. The General Purpose Jack Capacity callout note in the Front Elevation detail has been updated.
29. **DELETE** Drawing Number SRD-1, Sheet 158 of 180, and **SUBSTITUTE** with the attached Drawing Number SRD-1, Sheet 158A2 of 180. In all three of the Type-R1 and Type-R2 Repair of Girders details, the hatch mark on the concrete deck have been removed, and each of the pavement joint details have been revised. The Repair Procedure for Smith Clove Road Note 3 has been updated to now reference a pay item to account for the paint removal costs.
30. **DELETE** Drawing Number SRD-2, Sheet 159 of 180, and **SUBSTITUTE** with the attached Drawing Number SRD-2, Sheet 159A2 of 180. In all three of the Type-R1 and Type-R2 Repair of Girders details, the hatch mark on the concrete deck have been removed, and each of the pavement joint details have been revised. Lastly, Notes 3 and 4 have been revised to clarify what is to be included and paid for under the steel paint removal, steel painting and containment items.
31. **DELETE** Drawing Number DRD-1, Sheet 160 of 180, and **SUBSTITUTE** with the attached Drawing Number DRD-1, Sheet 160A2 of 180. In the Proposed Reconstruction of Deck Overhang Reinforcement Plan, the Bridge Begin and Bridge End Station references have been added at the centerline of the Thruway. The bar marks have also been revised. The reference to the reinforcement details for the deck and concrete barrier as called out on both ends of the Section A-A detail have

been corrected to now refer to DWG. DRD-2.

32. **DELETE** Drawing Number SRD-2, Sheet 161 of 180, and **SUBSTITUTE** with the attached Drawing Number **DRD-2**, Sheet 161A2 of 180. The Drawing Number had inadvertently been typographically named incorrectly. It has been corrected to Drawing Number DRD-2. In the Existing Section, the previous depth of sawcut at the cut line has been removed. The Contractor is to cut 4 ½” +/- through the asphalt overlay and structural deck, ensuring that the reinforcement which is to remain is undamaged during demolition. Also, the existing cover over the top mat of reinforcement has been corrected to 1” based on the record plans (previously showed 1 ½” of cover). A call out to existing spiral shear connectors to be removed has been added. References to existing reinforcement have been added. In the Proposed Section, and like mentioned above, the existing cover over the top mat of reinforcement has been corrected to 1”. Bar marks have been added to the top mat, bottom mat and bridge barrier. A Drip Groove Detail has been added to the left in between existing and proposed sections. Note 1 has been revised to state that the existing #5 reinforcement at the top and bottom of the slab to remain are to be lapped with the proposed reinforcement.
33. **DELETE** Drawing Number CRA-1, Sheet 162 of 180, and **SUBSTITUTE** with the attached Drawing Number CRA-1, Sheet 162A2 of 180. The item number for deck repairs has been corrected to Item 582.0052 in the Table. The Drawing Number reference in Note 2 has been corrected.
34. **DELETE** Drawing Number CRD-1, Sheet 163 of 180, and **SUBSTITUTE** with the attached Drawing Number CRD-1, Sheet 163A2 of 180. Several Details and Sections have been removed. A Pedestal Repair Number has been added to the bottom of the End Abutment Removal and Replacement of Structural Concrete Table. The (\*\*) note requiring meeting Section 501 and Sub Section 701 of the NYSDOT Standard Specification has been removed.
35. **DELETE** Drawing Number BA-1, Sheet 164 of 180, and **SUBSTITUTE** with the attached Drawing Number BA-1, Sheet 164A2 of 180. The right begin abutment wingwall has been labeled accordingly.
36. **DELETE** Drawing Number BA-2, Sheet 165 of 180, and **SUBSTITUTE** with the attached Drawing Number BA-2, Sheet 165A2 of 180. The left begin abutment wingwall has been labeled accordingly.
37. **DELETE** Drawing Number EA-1, Sheet 166 of 180, and **SUBSTITUTE** with the attached Drawing Number EA-1, Sheet 166A2 of 180. The left end abutment wingwall has been labeled accordingly.
38. **DELETE** Drawing Number EA-2, Sheet 167 of 180, and **SUBSTITUTE** with the attached Drawing Number EA-2, Sheet 167A2 of 180. The right end abutment wingwall has been labeled accordingly.

The Bidder **MUST** complete Page **238** of the Proposal acknowledging receipt of this amendment. If the Bidder fails to complete the “Amendment Acknowledgement” sheet, his bid could be declared informal thereby delaying award of the contract.

**PLEASE BE GOVERNED ACCORDINGLY WHEN SUBMITTING BIDS.**

**Brent E. Howard, P.E.**  
**Chief Engineer**

**ITEM 567.51000016 - SEALING EXISTING BRIDGE DECK JOINTS****DESCRIPTION**

The work shall consist of furnishing and installing rapid cure silicone joint sealant at the locations indicated on the plans or as directed by the Engineer.

**MATERIALS**

Silicone and backer rod supplied for this work shall be one of the following or approved equal:

- a) Dow Corning 902 RCS - as furnished by:  
     SSI Commercial & Highway Construction Materials  
     430 S Rockford Avenue  
     Tusla, OK 74120
- b) Wabo Two Part Silicone Sealant - as furnished by:  
     Watson Bowman, Acme Corp.  
     95 Pineview Drive  
     Amherst, NY 14428

Two copies of materials details for the sealant shall be supplied to the Engineer at least ten days prior to the intended use of the product.

**CONSTRUCTION DETAILS**

1. General. The manufacturer's recommended practices shall be strictly adhered to.
2. Surface Preparation. The Contractor shall remove existing seals, (unless otherwise noted on the plans). The surfaces to receive the sealant shall be abrasive blast cleaned of all laitance, oil, grease, or any other material which may affect the bond between the silicone and its mating surface.
3. Placement. The seal shall be placed in position in a bridge joint recess as shown on the plans or as directed by the Engineer.
4. The completed joint shall be tested and corrected in accordance with Subsection 567-3.01H "Watertight Integrity Test" or as directed by the Engineer.

**METHOD OF MEASUREMENT**

Payment will be made as the number of feet of joint completely resealed, measured horizontally and vertically along the centerline of joint system between the outer limits as indicated on the contract plans.

**BASIS OF PAYMENT**

The unit price bid per feet shall include all labor, materials and equipment necessary to complete the work.

**ITEM 605.21015025 – PRE-CAST CONCRETE HEADWALL FOR 6-INCH LATERAL OUTLET PIPES****1. DESCRIPTION:**

- 1.01 This work shall consist of furnishing and installing pre-cast concrete headwalls at lateral outlet pipes where shown in the contract documents or as directed by the Engineer.

**2. MATERIALS:****2.01 Pre-Cast Headwall.**

- A. Notify the Engineer of the name and location of the pre-cast headwall fabricator at least 30 days before the start of production. Supply pre-cast headwalls meeting the requirements of §704-03, except as noted herein.
- B. Refer to NYSTA Standard Sheets for details and dimensions. Proposed changes to these dimensions, other than minor changes approved by the Engineer, require submission of three complete sets of working drawings to the Engineer for review and approval.
- C. Mark the name or trademark of the manufacturer, the date of manufacture, and the unit identification number on the units with permanent waterproof paint.

- 2.02 **Rodent Screen.** Use screens #2 or #3 welded wire mesh, 16 gauge or heavier, made of Type 304 stainless steel wire or carbon steel wire, hot dipped galvanized in accordance with §719-01. A manufacturer's certification to these requirements will serve as the evidence of acceptability.

- 2.03 **Steel Bars.** Use ½-inch diameter, 2-foot-long deformed or plain billet-steel bar meeting the requirements of ASTM A615 (such that it will fit in holes in head wall). The steel bar shall be either hot dipped galvanized in accordance with ASTM A123 or epoxy coated in accordance with §709-04. A manufacturer's certification to these requirements will serve as the evidence of acceptability.

**3. CONSTRUCTION DETAILS:**

- 3.01 Install each headwall with a rodent screen and two steel bars as specified. Install headwalls flush with the finished slope and orient to allow the headwall apron to drain. Extend outlet pipes into the headwall fitting until flush with the installed rodent screen. Install a steel bar in each of the two holes, driven to a minimum of 5/8 inch and a maximum of 2 inches below the top surface of the headwall.

**4. METHOD OF MEASUREMENT:**

- 4.01 The quantity to be measured for payment will be the number of headwalls furnished and installed according to the contract documents.

**5. BASIS OF PAYMENT:**

- 5.01 The unit bid price per headwall shall include the cost of all labor, materials, and equipment necessary to satisfactorily complete the work. Headwalls damaged during construction shall be replaced at no additional cost to the Authority.



**Thruway  
Authority**

05/27/2026 2:24:35 PM

AASHTOWare Project™ Version 5.02.04 Revision 045

**Proposal Schedule of Items**

**Proposal ID:** D215020

**Project(s):** N72123

**Contractor:** \_\_\_\_\_

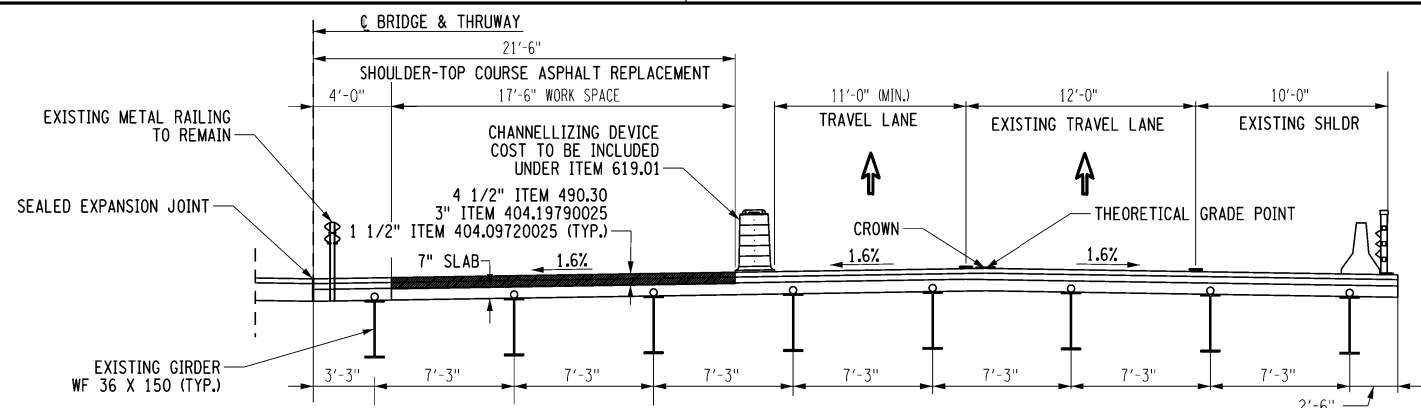
**SECTION:**

**Alt Set ID:**

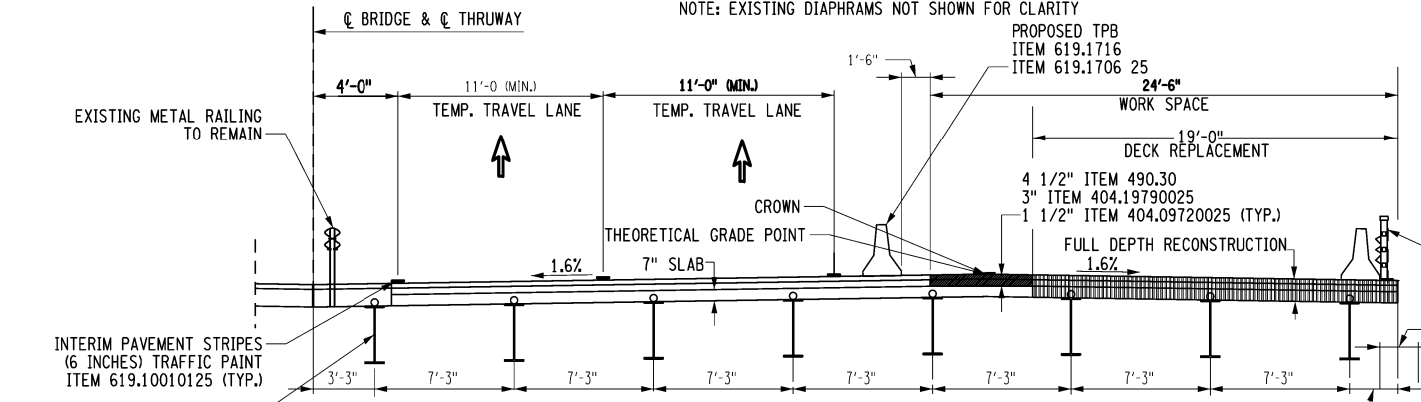
**Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
1000	202.2202 REMOVAL OF STEEL SUPPORTED STRUCTURAL SLABS (WITH SHEARCONNECTORS) - TYPE B	1,968.000 SF	_____	_____	_____	_____
1005	209.1311 SEDIMENT FILTER LOG - TEMPORARY, 12", TYPE A	12,416.000 LF	_____	_____	_____	_____
1010	404.09720025 9.5 F2 TOP COURSE ASPHALT, 70 SERIES WITH NUCLEAR GAUGE DENSITY MONITORING	1,840.000 TON	_____	_____	_____	_____
1015	567.51000016 SEALING EXISTING BRIDGE DECK JOINTS	228.000 LF	_____	_____	_____	_____
1020	582.0052 REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE	225.000 SF	_____	_____	_____	_____
1025	605.1502 PERFORATED CORRUGATED POLYETHYLENE UNDERDRAIN TUBING, 6 INCH DIAMETER	1,687.000 LF	_____	_____	_____	_____
1030	605.21015025 PRECAST CONCRETE HEADWALLS FOR 6" LATERAL OUTLET PIPES	9.000 EACH	_____	_____	_____	_____
<b>Section:</b>			<b>Total:</b>		_____	_____

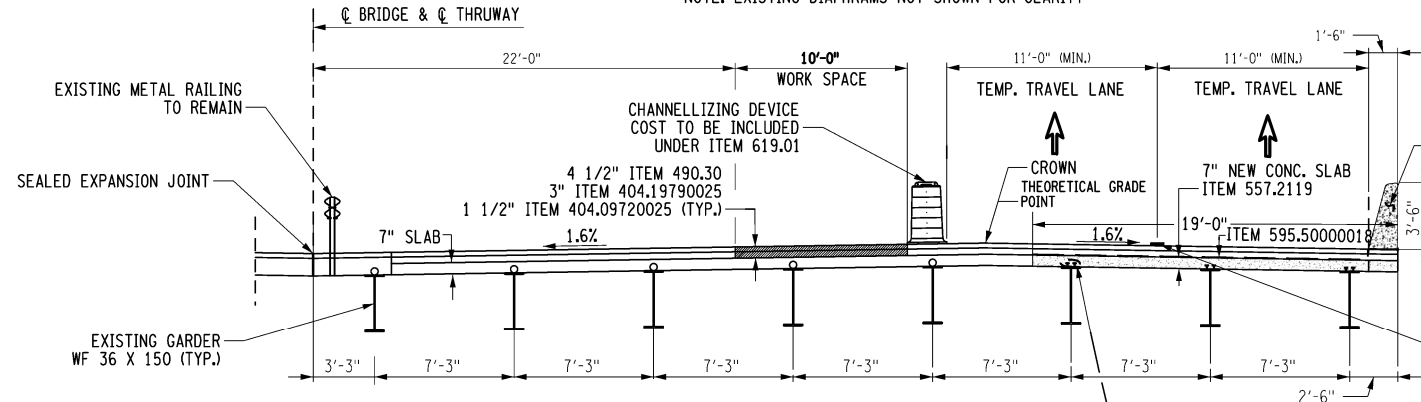
THIS SHEET SUPERSEDES NO. 113



TYPICAL HALF SECTION OF I-87 BRIDGE OVER SMITH CLOVE ROAD SHOWING STAGE 1 (NORTHBOUND) (SEE NOTE 2)



TYPICAL HALF SECTION OF I-87 BRIDGE OVER SMITH CLOVE ROAD SHOWING STAGE 2 (NORTHBOUND) (SEE NOTE 2)



TYPICAL HALF SECTION OF I-87 BRIDGE OVER SMITH CLOVE ROAD SHOWING STAGE 3 (NORTHBOUND) (SEE NOTE 2)

REMOVE AND DISPOSE EXISTING BRIDGE RAIL TO BE INCLUDED UNDER ITEM 202.2201 (TYP.)  
REMOVE AND STORE IMPACT ATTENUATOR SYSTEMS UNDER ITEM 654.0702  
REMOVE AND STORE PRECAST CONCRETE BARRIER TO BE INCLUDED UNDER ITEM 606.65

INTERIM PAVEMENT STRIPES (6 INCHES) TRAFFIC PAINT ITEM 619.10010125 (TYP.)

- LEGEND:**
- ITEM 202.2201 - REMOVAL OF STEEL SUPPORTED STRUCTURAL SLABS (WITH SHEAR CONNECTORS) - TYPE A
  - ITEM 490.30 - MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE
  - PROPOSED CONCRETE DECK

- NOTE:**
1. THE EXISTING STRUCTURE HAS A WATERPROOF MEMBRANE. COST OF REMOVING THE EXISTING TO BE INCLUDED UNDER ITEM 490.30.
  2. STAGES 1, 2, & 3 (NORTHBOUND) SHOWN. STAGES 4, 5, & 6 ARE FOR THE SOUTHBOUND DIRECTION AND ARE THE MIRROR IMAGE OF STAGES 1-3.
  3. CONTRACTOR SHALL APPLY ITEM 407.01040009 BETWEEN EACH LIFT OF ASPHALT.

ITEM	DESCRIPTION	UNIT	ITEM	DESCRIPTION	UNIT
202.2201	REMOVAL OF STEEL SUPPORTED STRUCTURAL SLABS (WITH SHEARCONNECTORS) - TYPE A	SF	606.65	REMOVING AND STORING PRECAST CONCRETE BARRIER	LF
			619.01	BASIC WORK ZONE TRAFFIC CONTROL	LS
404.09720025	9.5 F2 TOP COURSE ASPHALT, 70 SERIES COMPACTION	TON	619.10010125	INTERIM PAVEMENT MARKINGS, STRIPES (6 INCHES) TRAFFIC PAINT	LF
404.19790025	19 F9 BINDER COURSE ASPHALT, 70 SERIES COMPACTION	TON			
407.01040009	NON-TRACKING TACK COAT	GAL	619.1706 25	LINEAR DELINEATION SYSTEM	LF
490.30	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE	SY	619.1716	TEMP. POSITIVE BARRIER-CATEGORY 6 (PINNING REQUIRED)	LF
556.03	STUD SHEAR CONNECTORS FOR BRIDGES	EA	654.0702	REMOVE AND STORE IMPACT ATTENUATOR SYSTEMS	EA
557.2119	SUPERSTRUCTURE SLAB WITH SEPARATE WEARING SURFACE BOTTOM FORMWORK REQUIRED	SY			
569.04	SINGLE SLOPE (HALF SECTION) CONCRETE BRIDGE BARRIER	LF			

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

**NEW YORK STATE**  
**Thruway Authority**

**Foit Albert**  
**ASSOCIATES**

TITLE OF PROJECT: I-87 BRIDGE REHABILITATION OVER SMITH CLOVE ROAD (MP 47.04)

LOCATION OF PROJECT: VILLAGE OF WOODBURY, ORANGE COUNTY BIN 5514279

TITLE OF DRAWING: BRIDGE TRAFFIC CONTROL PLAN

CONTRACT NUMBER: TANY 26-17B

DATE: 05/21/2025

DRAWING NUMBER: BTCP-1

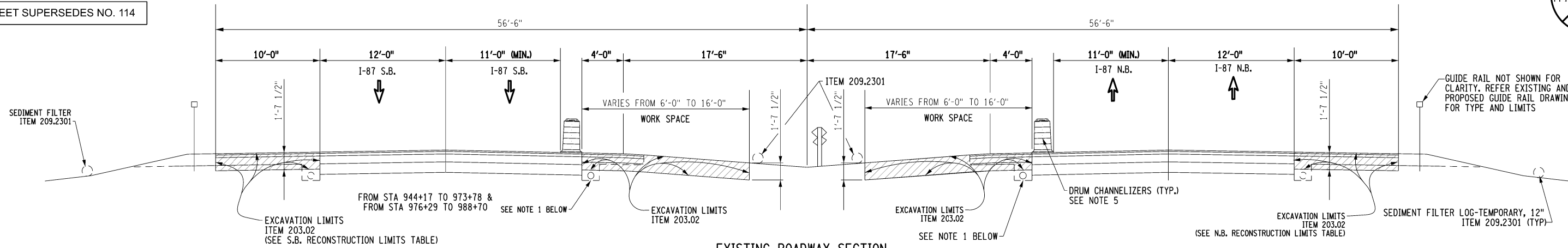


DESIGNED BY: M. COX  
CHECKED BY: M. SCHICK  
DRAFTED BY: M. COX  
CHECKED BY: M. SCHICK  
DESIGNED BY: M. COX  
CHECKED BY: M. SCHICK  
DESIGNED BY: M. COX  
CHECKED BY: M. SCHICK

THIS SHEET SUPERSEDES NO. 114

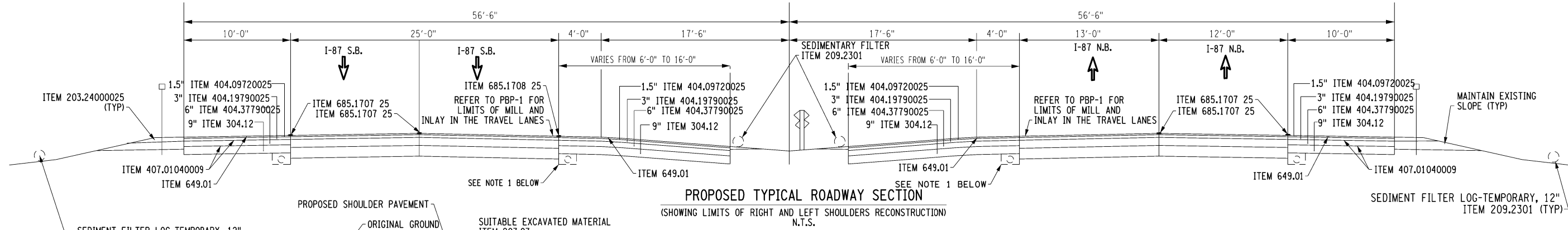
114A2  
180

M. COX  
 CHECKED BY:  
 M. SCHICK  
 DRAFTED BY:  
 M. COX  
 CHECKED BY:  
 M. SCHICK  
 DESIGNED BY:  
 M. COX  
 DESIGN SUPERVISOR:



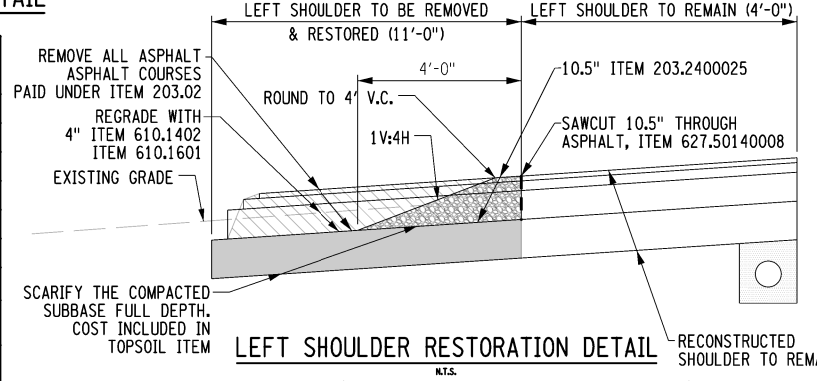
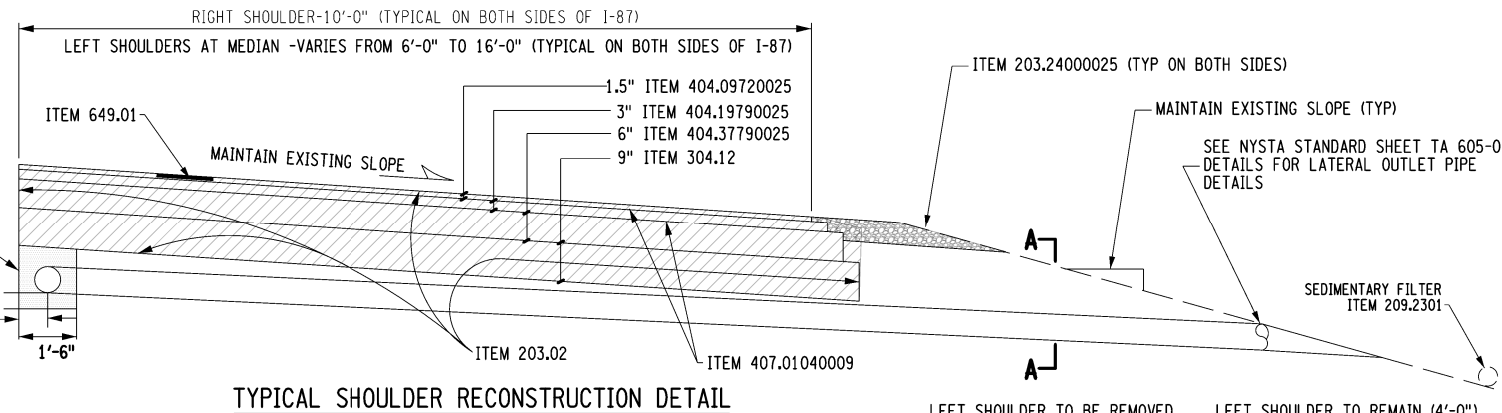
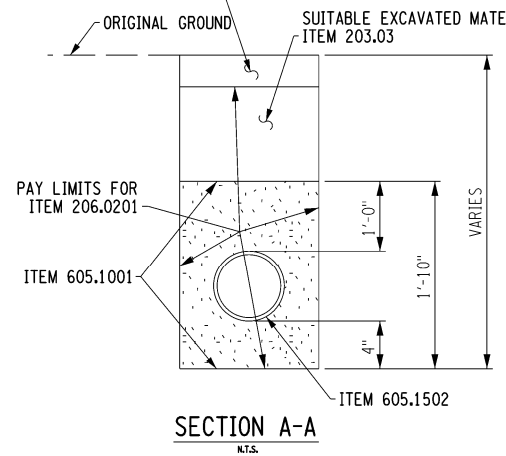
S.B. RECONSTRUCTION LIMITS			
SOUTH OF BRIDGE	S.B. BEGIN STATION MILEPOST	M.P. 46.78 ±	LEFT SHOULDER RECONSTRUCTION LIMITS STA. 961+37 TO STA. 973+78
	S.B. BRIDGE BEGINS MILEPOST	M.P. 47.02 ±	RIGHT SHOULDER RECONSTRUCTION LIMITS STA. 961+37 TO STA. 973+78
	S.B. BRIDGE ENDS MILEPOST	M.P. 47.06 ±	LEFT SHOULDER RECONSTRUCTION LIMITS STA. 976+29 TO STA. 1005+90
NORTH OF BRIDGE	S.B. END STATION MILEPOST	M.P. 47.62 ±	RIGHT SHOULDER RECONSTRUCTION LIMITS STA. 976+29 TO STA. 988+65

N.B. RECONSTRUCTION LIMITS			
SOUTH OF BRIDGE	N.B. BEGIN STATION MILEPOST	M.P. 46.45 ±	LEFT SHOULDER RECONSTRUCTION LIMITS STA. 944+17 TO STA. 973+78
	N.B. BRIDGE BEGINS MILEPOST	M.P. 47.02 ±	RIGHT SHOULDER RECONSTRUCTION LIMITS STA. 961+42 TO STA. 973+78
	N.B. BRIDGE ENDS MILEPOST	M.P. 47.06 ±	LEFT SHOULDER RECONSTRUCTION LIMITS STA. 976+29 TO STA. 988+70
NORTH OF BRIDGE	N.B. END STATION MILEPOST	M.P. 47.30 ±	RIGHT SHOULDER RECONSTRUCTION LIMITS STA. 976+29 TO STA. 985+00



- LEGEND:**
- ITEM 203.02 - UNCLASSIFIED EXCAVATION AND DISPOSAL
  - ITEM 203.24000025 - SHOULDER BACKUP MATERIAL
  - FULL DEPTH SCRAFFICATION OF SUBBASE, COST INCLUDED IN ITEM 610.1401

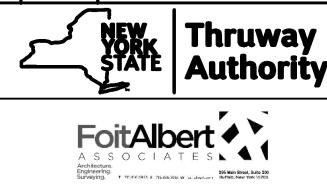
- NOTES:**
- COST OF REMOVAL OF EXISTING UNDRDRAIN TO BE UNDER ITEM 206.0201, PLACE NEW UNDRDRAIN UNDER ITEM 605.1502 PERFORATED CORRUGATED POLYETHYLENE UNDRDRAIN TUBING, 6 INCH DIAMETER. SEE WZTC-1-06 & WZTC-1-07 FOR LIMITS.
  - REFER DRAWINGS EBP-1 AND PBP-1 FOR LIMITS AND THICKNESSES OF PAVEMENT ITEMS DURING MILL AND INLAY AT THE BRIDGE.
  - ITEM 209.2301- SEDIMENT FILTER LOG IS INSTALLED AT EACH STAGE OF SHOULDER RECONSTRUCTION. REFER "WORK ZONE TRAFFIC CONTROL" PLANS FOR DETAILS.
  - CONTRACTOR SHALL APPLY ITEM 407.01040009 BETWEEN EACH LIFT OF ASPHALT.
  - DROP-OFF AT EDGE OF TRAVELED WAY SHALL BE SIGNED AND CHANNELIZED AS PER NYSTA SS TA 619-17. THE EXCAVATED SHOULDER SHALL BE RAMPED DURING NON-WORKING HOURS AS PER SECTION B-B ON TA 619-17.



ITEM	DESCRIPTION	UNIT	ITEM	DESCRIPTION	UNIT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	490.30	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE	SY
203.03	EMBANKMENT IN PLACE	CY	605.1001	UNDERDRAIN FILTER TYPE 2	CY
206.0201	TRENCH AND CULVERT EXCAVATION	CY	605.1502	PERF. CORR. POLYETHYLENE UNDRDRAIN TUBING, 6" DIA.	LF
203.24000025	SHOULDER BACKUP MATERIAL	TON	610.1402	TOPSOIL - ROADSIDE	CY
209.2301	SEDIMENT FILTER LOG-TEMPORARY, 12"	LF	610.1601	TURF ESTABLISHMENT - ROADSIDE	SY
304.12	SUBBASE COURSE, TYPE 2	CY	627.50140008	CUTTING PAVEMENT	LF
404.09720025	9.5 F2 TOP COURSE ASPHALT, 70 SERIES COMPACTION	TON	649.01	MILLED-IN AUDIBLE ROADWAY DELINEATORS (MIARDS)	LF
404.19790025	19 F9 BINDER COURSE ASPHALT, 70 SERIES COMPACTION	TON	685.1707 25	WHITE HIGHLY REFLECTORIZED TRIPLE DROP EPOXY PAVEMENT STRIPES 6 INCH WIDTH X 20 MIL	LF
404.37790025	37.5 F9 BASE COURSE ASPHALT, 70 SERIES COMPACTION	TON		YELLOW HIGHLY REFLECTORIZED TRIPLE DROP EPOXY PAVEMENT STRIPES 6 INCH WIDTH X 20 MIL	LF
407.01040009	NON-TRACKING TACK COAT	GAL	685.1708 25		

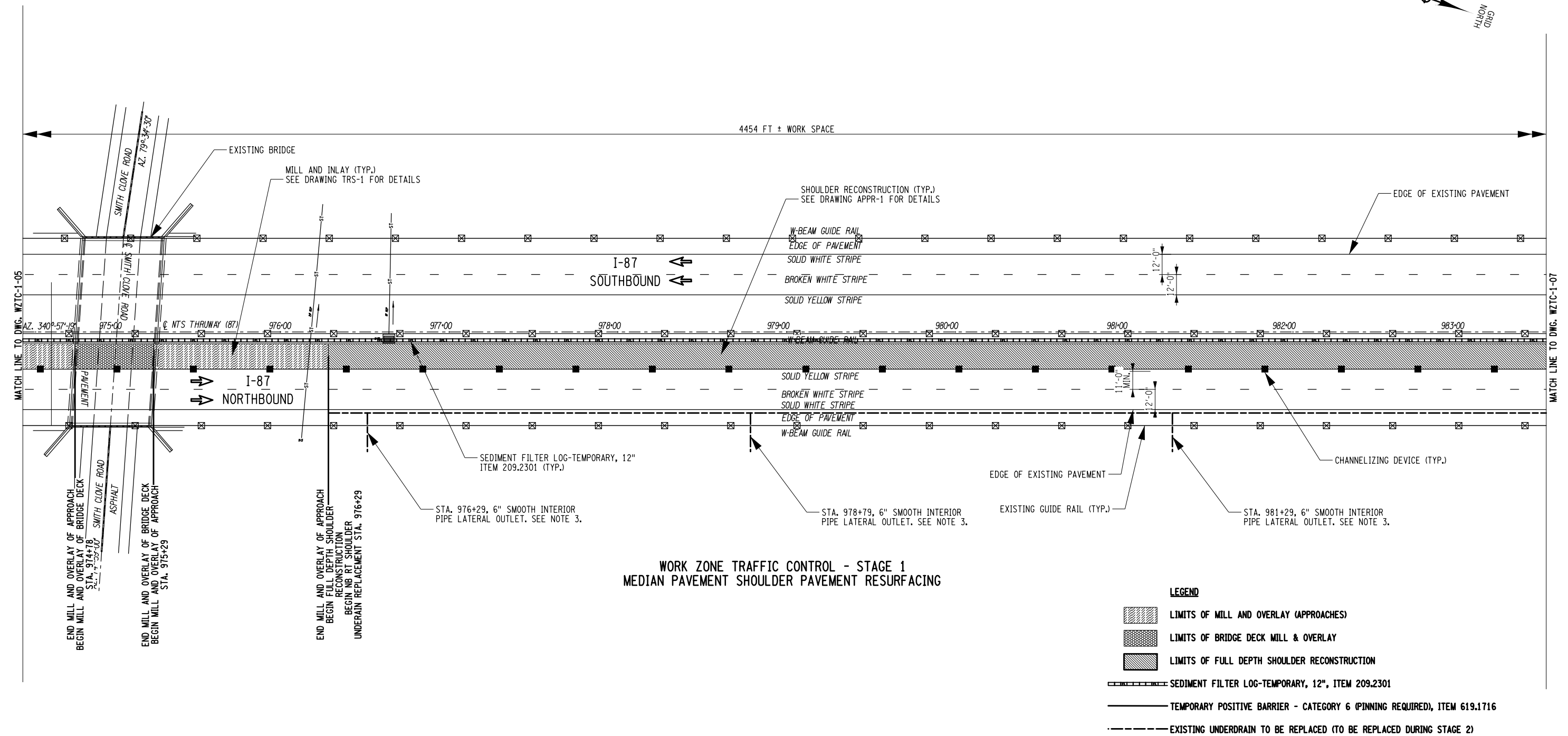
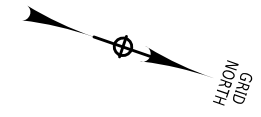
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



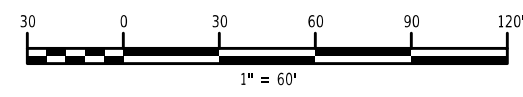
TITLE OF PROJECT I-87 BRIDGE REHABILITATION OVER SMITH CLOVE ROAD (MP 47.04)	CONTRACT NUMBER: TANY 26-17B
LOCATION OF PROJECT VILLAGE OF WOODBURY ORANGE COUNTY BIN 5514279	DATE: 05/21/2025
TITLE OF DRAWING BRIDGE APPROACH/ WITH SHLDR RECONSTRUCTION	DRAWING NUMBER: APPR-1

DESIGNED BY: M. COX  
CHECKED BY: M. SCHICK  
DRAFTED BY: M. COX  
CHECKED BY: M. SCHICK  
M. COX



**WORK ZONE TRAFFIC CONTROL - STAGE 1  
MEDIAN PAVEMENT SHOULDER PAVEMENT RESURFACING**

- LEGEND**
- LIMITS OF MILL AND OVERLAY (APPROACHES)
  - LIMITS OF BRIDGE DECK MILL & OVERLAY
  - LIMITS OF FULL DEPTH SHOULDER RECONSTRUCTION
  - SEDIMENT FILTER LOG-TEMPORARY, 12", ITEM 209.2301
  - TEMPORARY POSITIVE BARRIER - CATEGORY 6 (PINNING REQUIRED), ITEM 619.1716
  - EXISTING UNDERDRAIN TO BE REPLACED (TO BE REPLACED DURING STAGE 2)

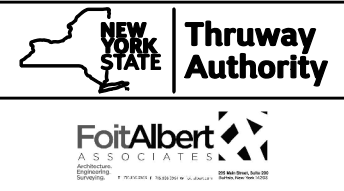


**NOTES:**

1. THE WORK ZONE TRAFFIC CONTROL PLANS SHOWN ARE FOR THE NORTHBOUND TRAFFIC CONTROL DURING CONSTRUCTION OF STAGES 1 THRU 3. STAGES 4 THRU 6 ARE FOR THE SOUTHBOUND DIRECTION AND ARE NOT SHOWN. THE CONTRACTOR SHALL MIRROR STAGES 1 THRU 3 FOR THE SOUTHBOUND DIRECTION.
2. DROP-OFF AT EDGE OF TRAVELED WAY SHALL BE SIGNED AND CHANNELIZED AS PER NYSTA SS TA 619-17. THE EXCAVATED SHOULDER SHALL BE RAMPED DURING NON-WORKING HOURS AS PER SECTION B-B ON TA 619-17.
3. SEE NYSTA STANDARD SHEET 605-01 FOR OUTLET DETAILS. USE DETAIL A OR B A.O.B.E. THE SMOOTH INTERIOR OUTLET PIPE SHALL BE PAID FOR UNDER ITEM 605.1502. THE COST OF 8" DIAMETER GALVANIZED CMP, RODENT SCREENS, DRAINAGE OUTLET MARKERS, AND GROUTING INCLUDED IN THE PRICE BID FOR THE UNDERDRAIN ITEM. SHOULD DETAIL B BE UTILIZED, THE PRECAST CONCRETE OUTLET HEADWALLS SHALL BE PAID FOR UNDER ITEM 605.21015025.

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT I-87 BRIDGE REHABILITATION OVER SMITH CLOVE ROAD (MP 47.04)	CONTRACT NUMBER: TANY 26-17B
LOCATION OF PROJECT VILLAGE OF WOODBURY ORANGE COUNTY BIN 5514279	DATE: 05/21/2025
TITLE OF DRAWING I-87 WORK ZONE TRAFFIC CONTROL PLAN STAGE 1 (6 OF 7)	DRAWING NUMBER: WZTC-1-06

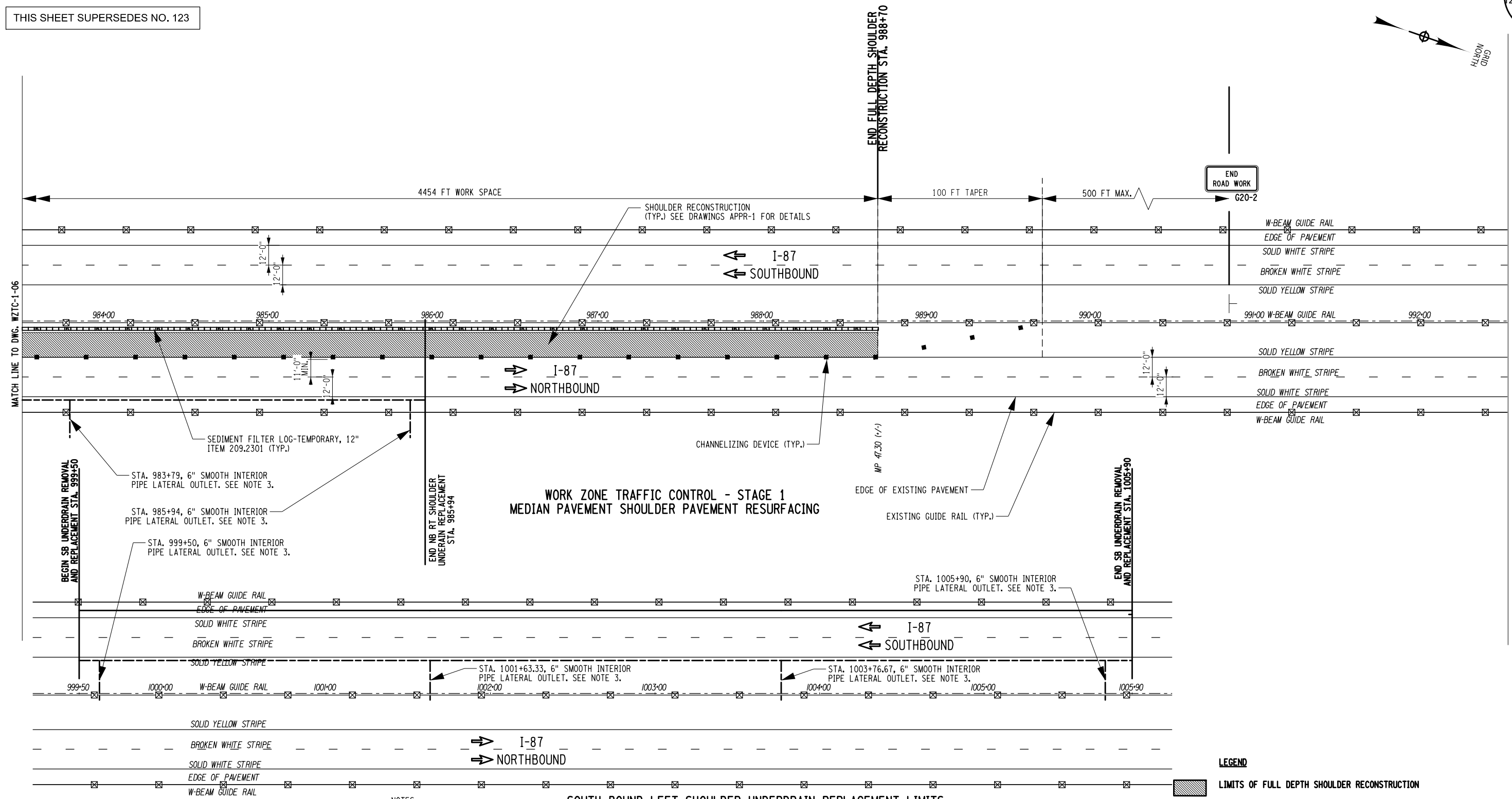
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M. COX  
 CHECKED BY:  
 M. SCHICK  
 DRAFTED BY:  
 M. COX  
 CHECKED BY:  
 M. SCHICK  
 DESIGNED BY:  
 M. COX  
 DESIGN SUPERVISOR:

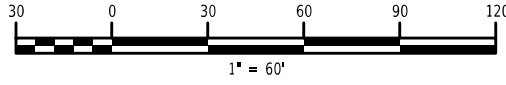


**WORK ZONE TRAFFIC CONTROL - STAGE 1  
MEDIAN PAVEMENT SHOULDER PAVEMENT RESURFACING**

**SOUTH BOUND LEFT SHOULDER UNDERDRAIN REPLACEMENT LIMITS**

- NOTES:
1. THE WORK ZONE TRAFFIC CONTROL PLANS SHOWN ARE FOR THE NORTHBOUND TRAFFIC CONTROL DURING CONSTRUCTION OF STAGES 1 THRU 3. STAGES 4 THRU 6 ARE FOR THE SOUTHBOUND DIRECTION AND ARE NOT SHOWN. THE CONTRACTOR SHALL MIRROR STAGES 1 THRU 3 FOR THE SOUTHBOUND DIRECTION.
  2. DROP-OFF AT EDGE OF TRAVELED WAY SHALL BE SIGNED AND CHANNELIZED AS PER NYSTA SS TA 619-17. THE EXCAVATED SHOULDER SHALL BE RAMPED DURING NON-WORKING HOURS AS PER SECTION B-B ON TA 619-17.
  3. SEE NYSTA STANDARD SHEET 605-01 FOR OUTLET DETAILS. USE DETAIL A OR B A.O.B.E. THE SMOOTH INTERIOR OUTLET PIPE SHALL BE PAID FOR UNDER ITEM 605.1502. THE COST OF 8" DIAMETER GALVANIZED CMP, RODENT SCREENS, DRAINAGE OUTLET MARKERS, AND GROUTING INCLUDED IN THE PRICE BID FOR THE UNDERDRAIN ITEM. SHOULD DETAIL B BE UTILIZED, THE PRECAST CONCRETE OUTLET HEADWALLS SHALL BE PAID FOR UNDER ITEM 605.21015025.

- LEGEND**
- LIMITS OF FULL DEPTH SHOULDER RECONSTRUCTION
  - SEDIMENT FILTER LOG-TEMPORARY, 12", ITEM 209.2301
  - TEMPORARY POSITIVE BARRIER - CATEGORY 6 (PINNING REQUIRED), ITEM 619.1716
  - EXISTING UNDERDRAIN TO BE REPLACED (TO BE REPLACED DURING STAGE 2 (NB) AND STAGE 5 (SB))

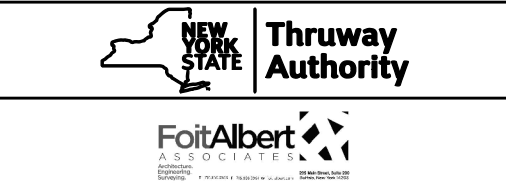


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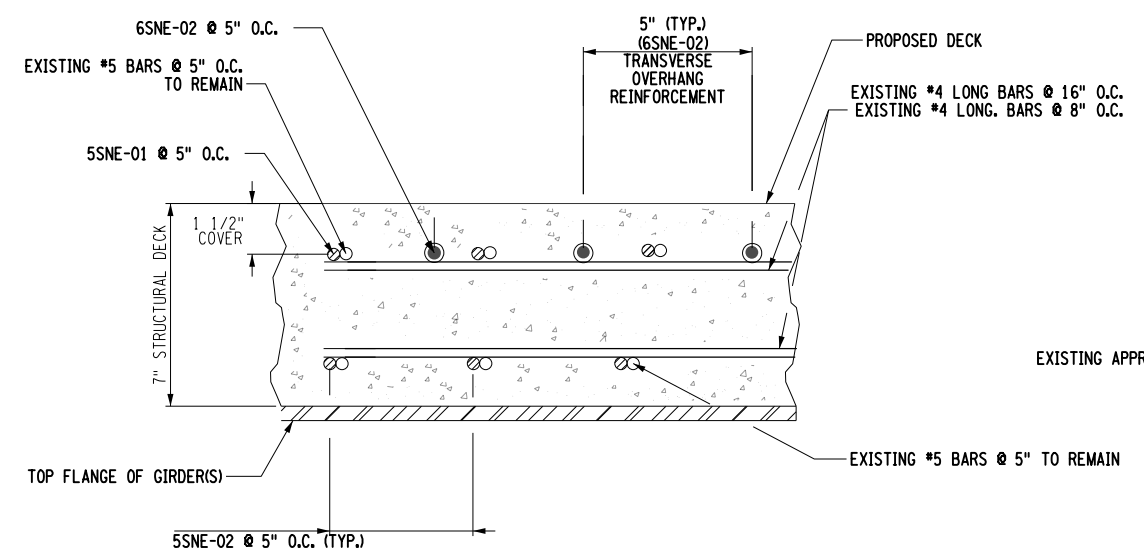
REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL



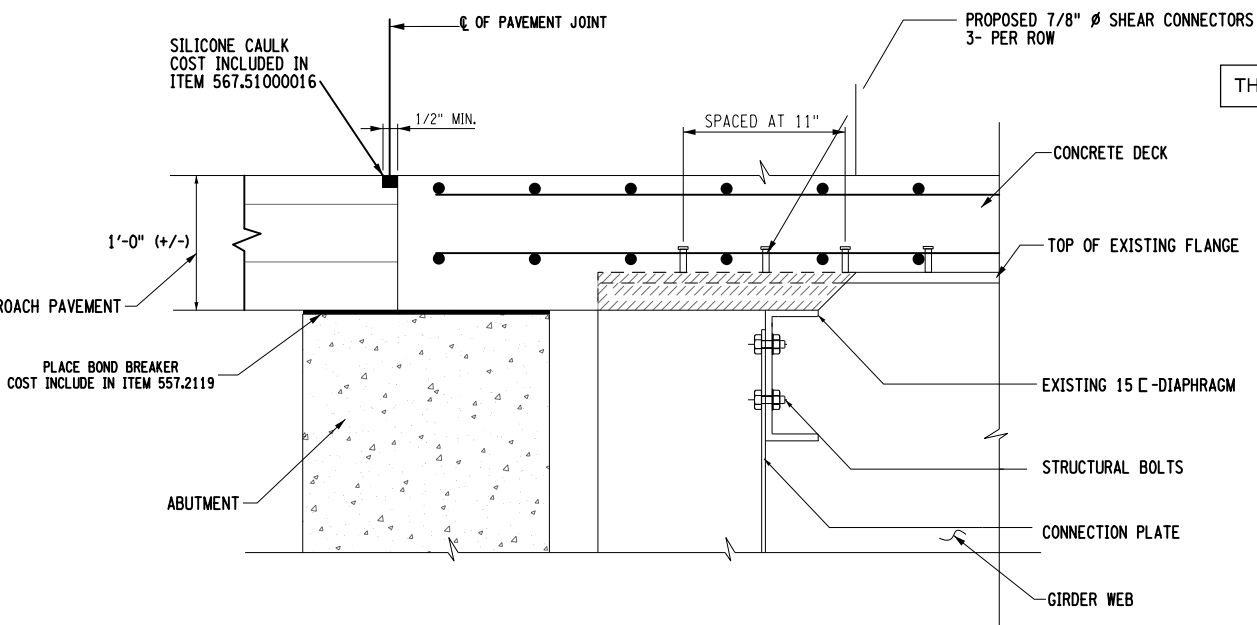
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LOCATION OF PROJECT: VILLAGE OF WOODBURY, ORANGE COUNTY, NY 1214279  
TITLE OF DRAWING: I-87 WORK ZONE TRAFFIC CONTROL PLAN STAGE 1 (7 OF 7)

CONTRACT NUMBER: TANY 26-17B  
DATE: 05/21/2025  
DRAWING NUMBER: WZTC-1-07

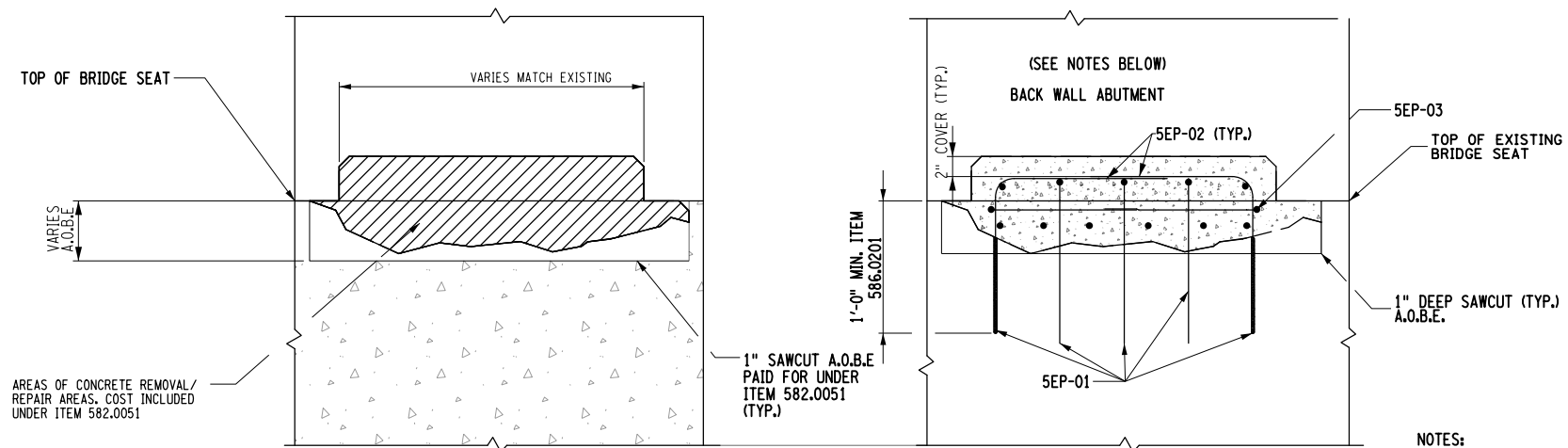
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CHECKED BY: M. SCHICK  
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DRAFTED BY: M. COX  
CHECKED BY: M. SCHICK



**DETAIL PROPOSED DECK REINFORCEMENT**  
N.T.S.



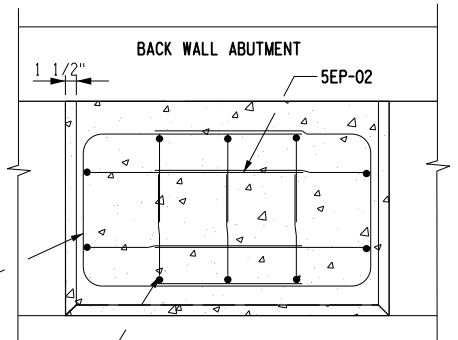
**BRIDGE JOINT & HAUNCH RECONSTRUCTION DETAIL**  
N.T.S.  
6SNE-02 & BARRIER REINFORCEMENT NOT SHOWN FOR CLARITY



**EXISTING CONDITION**  
PEDESTAL HEIGHT VARIES CONTRACTOR SHALL MATCH EXISTING PEDESTAL HEIGHTS

**TYPICAL PEDESTAL REPAIR**

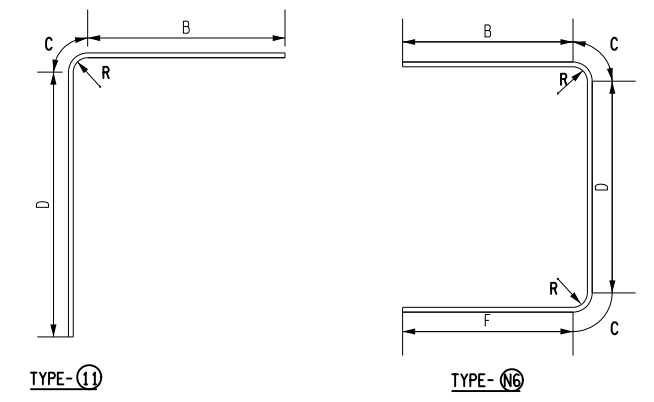
ITEM 556.0202 (SEE PEDESTAL REPAIR NOTES)								
BAR	TYPE	A	B	C	D	F	R	ESTIMATED REBAR WEIGHT
5EP-01	11	-	18"	4"	14"	-	2"	72 226 LB
5EP-02	11	-	18"	4"	16"	-	2"	48 159 LB
5EP-03	N6	-	20"	4"	24"	20"	2"	24 150 LB



**PLAN ABUTMENT PEDESTAL REPAIR DETAILS**  
N.T.S.

- NOTES:**
- 1) PREFORMED CLOSED CELL FOAM MATERIAL CONFORMING TO § 705-08 JOINT SEAL OR A PREFORMED SEAL APPEARING ON THE NYSDOT APPROVED MATERIAL LIST. COST TO BE INCLUDED UNDER ITEM 567.63. (SEE NOTE BELOW)
  - 2) CONTRACTOR SHALL SUPPLY A JOINT SEAL WITH AN UNCOMPRESSED WIDTH EQUAL TO OR GREATER THAN THE DIMENSION NOTED AS A MIN WIDTH. THE SEAL SUPPLIED SHALL NOT EXCEED THE MANUFACTURERS COMPRESSIONS LIMITS AT THE MINIMUM OPENING NOTED.
  - 3) THE CONTRACTOR MAY HAVE TO MODIFY THE SUPERSTRUCTURE SLAB TO ACCOMMODATE HAUNCH REPAIRS AT SELECTED AREAS AND AS ORDERED BY THE ENGINEER (A.O.B.E).
  - 4) DETAILS ON THE DRAWINGS LABELED "NOT TO SCALE" ARE INTENTIONALLY DRAWN NOT TO SCALE FOR VISUAL CLARITY. ALL OTHER DETAILS, FOR WHICH NO SCALE IS SHOWN ARE DRAWN PROPORTIONAL AND ARE FULLY DIMENSIONED.
  - 5) THE CONTRACTOR SHALL REMOVE EXSITNG SPIRAL SHEAR STUD CONNECTORS, COST TO BE INCLUDED UNDER ITEM 202.2201.
  - 6) THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO ORDERING MATERIALS.

- PEDESTAL REPAIR NOTES:**
- 1) THE COST OF EPOXY COATED REINFORCEMENT SHALL BE UNDER ITEM 556.0202.
  - 2) THE COST OF CONCRETE FOR REPAIR OF PEDESTALS SHALL BE PAID FOR UNDER ITEM 582.0051
  - 3) THE COST FOR REMOVAL OF EXISTING PEDESTAL REINFORCEMENT TO BE INCLUDED IN ITEM 582.0051.
  - 4) FOR REPAIR AREAS AND LOCATION OF PEDESTALS, SEE DWG. GRD-1



ALTERED ON: \_\_\_\_\_ AFFIXED ON: 10/18/2025

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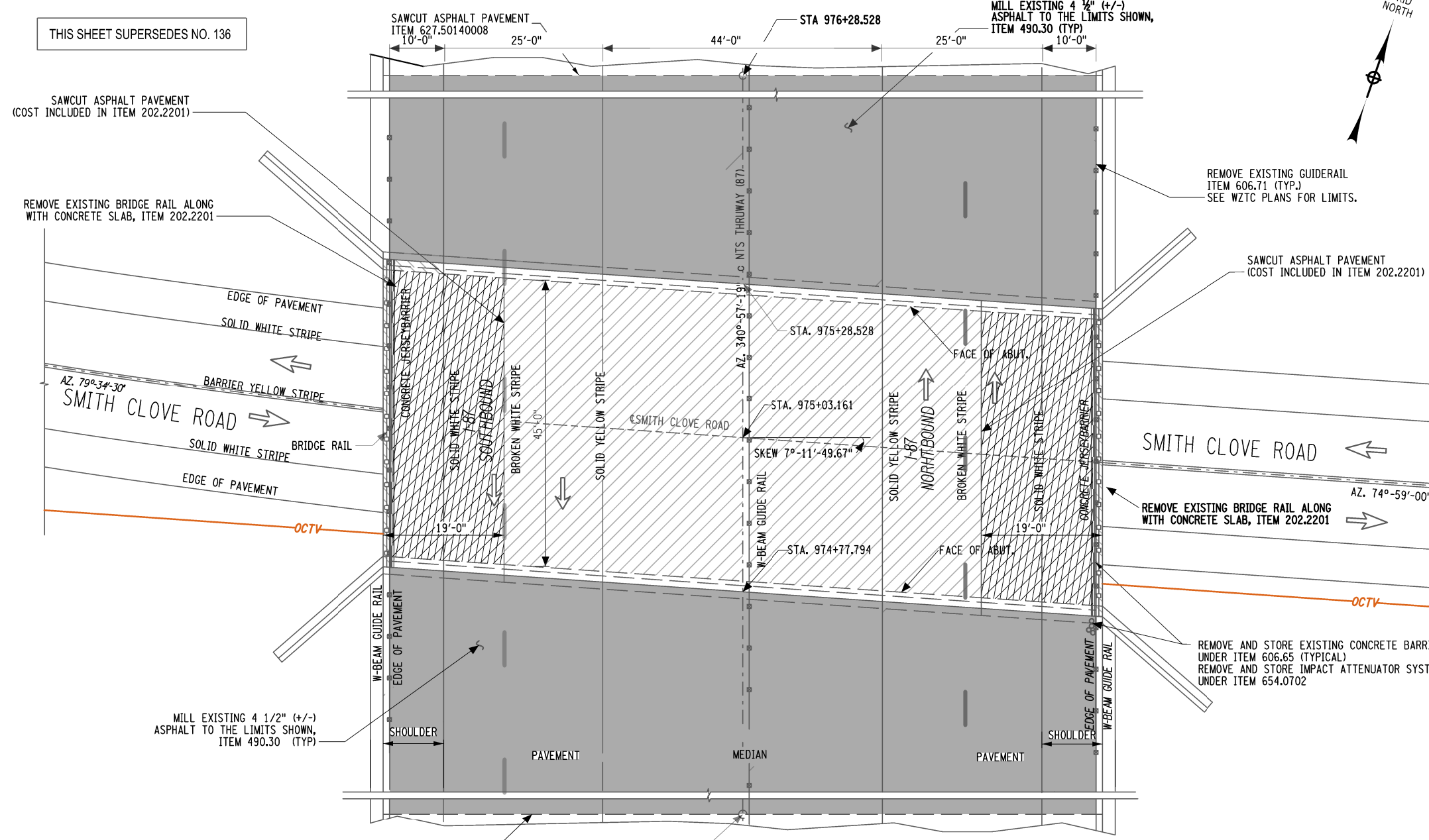
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REVISIONS			
DATE	DESCRIPTION	BY	SYML

TITLE OF PROJECT: 1-87 BRIDGE REHABILITATION OVER SMITH CLOVE ROAD (MP 47.04) LOCATION OF PROJECT: VILLAGE OF WOODBURY, ORANGE COUNTY BIN 5514279	CONTRACT NUMBER: TANY 26-17B DATE: 05/21/2025 DRAWING NUMBER: MD-01
TITLE OF DRAWING: MISCELLANEOUS DETAILS	

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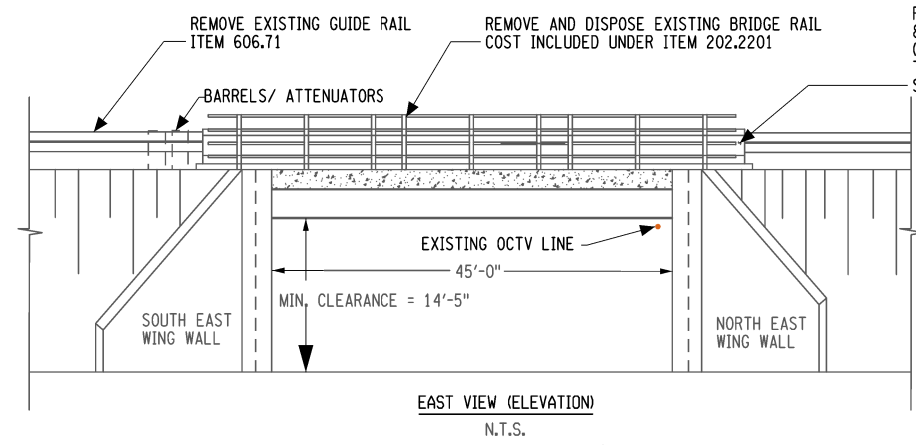
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CHECKED BY: M. SCHICK  
DRAFTED BY: M. COX  
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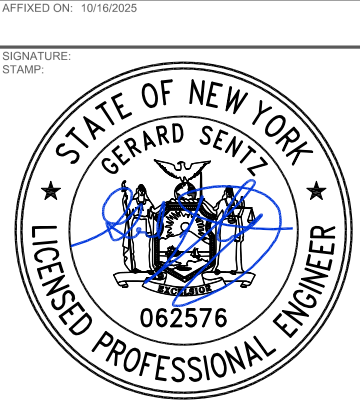
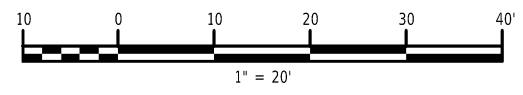
LEGEND

- MILLING OF EXISTING ASPHALT OVERLAY ON THE BRIDGE UNDER ITEM 490.30  
NOTE: THE EXISTING STRUCTURE HAS A WATERPROOF MEMBRANE. COST OF REMOVING EXISTING MEMBRANE TO BE INCLUDED UNDER ITEM 490.30
- REMOVAL OF CONCRETE STRUCTURAL SLAB OVERHANGS TO BE PAID FOR UNDER ITEM 202.2201 (TYP. BOTH SIDES)
- MISC. COLD MILLING OF EXISTING ASPHALT OVERLAY, ITEM 490.30. (TYP. BOTH SIDES)

ITEM 202.2201	REMOVAL OF STEEL SUPPORTED SLAB (W/ SHR CONN)-TYPE A	SF
ITEM 490.30	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE	SY
ITEM 606.65	REMOVING AND STORING PRECAST CONCRETE BARRIER	LF
ITEM 606.71	REMOVING AND DISPOSING CORRUGATED BEAM GUIDE RAIL	LF
ITEM 627.50140008	CUTTING PAVEMENT	LF



MILL & INLAY OF ASPHALT TO BE PERFORMED UNDER VARIOUS STAGES, SEE DWGS, WZTC-1-01 THRU WZTC-3-04 FOR DETAILS.



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT I-87 BRIDGE REHABILITATION OVER SMITH CLOVE ROAD (MP 47.04)	CONTRACT NUMBER: TANY 26-17B
LOCATION OF PROJECT VILLAGE OF WOODBURY ORANGE COUNTY BIN 5514279	DATE: 05/21/2025
TITLE OF DRAWING EXISTING BRIDGE PLAN	DRAWING NUMBER: EBP-1

GENERAL NOTES:

- DESIGN SPECIFICATIONS: NYS DOT LRFD BRIDGE DESIGN SPECIFICATIONS WITH ALL PROVISIONS IN EFFECT AS OF SEPTEMBER 2024 (FOR DESIGN PURPOSES, COMPRESSIVE STRENGTH OF CONCRETE FOR SUBSTRUCTURES AND DECK SLABS AT 28 DAYS:  $f'_c = 4000$  psi.)
- LIVE LOAD: AASHTO HS-20.
- CONSTRUCTION AND MATERIALS SPECIFICATIONS: REFER TO THE PROJECT PROPOSAL FOR THE CONSTRUCTION AND MATERIALS SPECIFICATIONS.
- DETAILS ON THE DRAWINGS LABELED AS "NOT TO SCALE" ARE INTENTIONALLY DRAWN NOT TO SCALE FOR VISUAL CLARITY. ALL OTHER DETAILS FOR WHICH NO SCALE IS SHOWN ARE DRAWN PROPORTIONAL AND ARE FULLY DIMENSIONED.
- ALL SHOP DRAWINGS SUBMITTED FOR THIS PROJECT SHALL BE IN US CUSTOMARY UNITS.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE PROPOSED DECK OVERHANG FOR THIS STRUCTURE. THE FASCIA GIRDER DESIGN ASSUMES TYPICAL CONSTRUCTION LOADS DURING PLACEMENT OF THE CONCRETE DECK. THE CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY SUPPORT AND BRACING TO PREVENT THE FASCIA GIRDER FROM TWISTING OR EXCESSIVELY DEFLECTING UNDER THE LOADS OF THE CONCRETE DEAD LOAD AND THE CONSTRUCTION LOADS. ALL DESIGN EFFORT REQUIRED BY THE CONTRACTOR'S ENGINEER TO ASSURE THAT THE CONSTRUCTION LOADS DO NOT ADVERSELY AFFECT THE FASCIA GIRDER ARE AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL SUBMIT OVERHANG FORMING DESIGN CALCULATIONS AND DETAILS TO THE D.C.E.S. FOR APPROVAL.
- THE COST OF ALL JOINT MATERIAL SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE VARIOUS ITEMS OF THE CONTRACT, UNLESS OTHERWISE SPECIFIED ON THE PLANS.
- WHERE REPAIRS TO THESE MEMBERS OR ADJACENT MEMBERS NEED TO BE DONE, THE CONTRACTOR SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF SECTION 9 OF THE NEW YORK STATE STEEL CONSTRUCTION MANUAL (SCM).
- THE STRUCTURE SHALL BE ASSEMBLED AS PER SECTION 1103.4.5 OF THE NYS STEEL CONSTRUCTION MANUAL (SCM). COST SHALL BE INCLUDED UNDER THE RESPECTIVE STRUCTURAL STEEL UNIT BID PRICE.
- THE LOAD RATINGS ARE IN ACCORDANCE WITH THE AASHTO MANUAL FOR BRIDGE EVALUATION.
- THIS BRIDGE, INCLUDING EXISTING ELEMENTS AND THOSE REPAIRED OR REPLACED UNDER THIS CONTRACT, SHALL BE MAINTAINED IN ACCORDANCE WITH THE GUIDELINES CONTAINED IN THE CURRENT EDITION OF THE AASHTO MAINTENANCE MANUAL: THE MAINTENANCE AND MANAGEMENT OF ROADWAYS AND BRIDGES.
- THE CONTRACTOR IS CAUTIONED THAT MATERIALS CONTAINING ASBESTOS MAY EXIST AT VARIOUS LOCATIONS ON OR IN CERTAIN STRUCTURES OF THIS CONTRACT.
- HIGH VOLTAGE ELECTRICAL LINES ARE IN PROXIMITY TO THIS BRIDGE. CONTRACTOR IS ADVISED TO FOLLOW THE NECESSARY REQUIREMENTS PER NOTE 14 BELOW.
- REFER TO SUBSECTION 107-05 OF THE STANDARD SPECIFICATION FOR SAFETY AND HEALTH REQUIREMENTS.
- CONTRACTOR TO HAVE APPROPRIATE CONTAINMENT FOR ALL REMOVAL OF EXISTING OF PAINTED BRIDGE STEEL INCLUDING ENVIRONMENTAL GROUND PROTECTION FOR THE DURATION OF CONSTRUCTION. COST TO BE PAID FOR UNDER ITEMS 570.160001 CLASS B CONTAINMENT AND 570.09 ENVIRONMENTAL GROUND PROTECTION.

SUPERSTRUCTURE NOTES:

- ALL PROPOSED STRUCTURAL STEEL SHALL CONFORM TO ASTM A709 GRADE 50.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE PROVISIONS OF THE CURRENT SPECIFICATIONS FOR SUPERSTRUCTURE SLABS, WHICH ALLOW THE OPTION OF 3 FORMING SYSTEMS FOR THE UNDERSIDE OF THE SLABS. HOWEVER, ON THIS BRIDGE, ONLY THE REMOVABLE WOODEN FORMS OPTION SHALL BE PERMITTED.

- IN ORDER TO PREVENT MOVEMENT OF THE BRIDGE OVERHANG BRACKET DURING THE DECK CONCRETE PLACEMENT, AS WELL AS TO PREVENT LATERAL DISTORTION OF THE GIRDER WEB, A DEEP OVERHANG BRACKET THAT IS BRACED BY THE BOTTOM FLANGE SHALL BE USED.
- NO DEVIATIONS FROM THE EXISTING HAUNCH DETAILS AT THE SLAB OVERHANG RECONSTRUCTION AREAS SHALL BE MADE WITHOUT THE PERMISSION OF THE E.I.C.
- THE STRUCTURAL STEEL FOR THIS BRIDGE SHALL BE PARTIALLY PAINTED. FINISH COAT COLOR SHALL BE GREEN. THE COLOR SHALL CONFORM TO SECTION 708-05. VIEWING SHALL BE DONE UNDER NORTH STANDARD DAYLIGHT. THE FOLLOWING PORTIONS OF THE STEEL SHALL BE PAINTED: ALL REPAIRED SURFACES OF THE STRINGERS INCLUDING ANY STIFFENERS OR CONNECTION PLATES, NEW AND REPAIRED BEARINGS. CONTRACTOR TO CONFIRM WITH THE ENGINEER PRIOR TO BEGINNING OF ANY SUCH WORK.
- THE DETAILS FOR THE BARRIER REINFORCEMENT ARE FOR THE SLIP-FORMED OR CAST-IN-PLACE OPTION ONLY. COST OF BARRIER AND ANCHORAGE REINFORCEMENT ORIGINATING IN THE SLAB SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE BARRIER ITEM.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE PROVISIONS OF THE CURRENT SPECIFICATIONS FOR PERMANENT CONCRETE TRAFFIC BARRIER FOR STRUCTURES, WHICH ALLOWS THE OPTION OF THREE CONSTRUCTION METHODS: CAST-IN-PLACE, SLIP FORMED, OR PRECAST. HOWEVER, ON THIS BRIDGE, ONLY CAST-IN-PLACE AND SLIP FORMING ARE ALLOWED.
- FOR BIN 5514279 SHOP DRAWING SUBMITTALS ARE REQUIRED FOR THE FOLLOWING BRIDGE CONCRETE BARRIER & TRANSITION ITEMS: ITEM 569.04 & ITEM 606.8803
- SURFACES OF NEW BRIDGE DECKS AND CONCRETE BARRIERS SURFACE SHALL BE SEALED ACCORDING TO ITEM 559.02-PROTECTIVE SEALING OF STRUCTURAL CONCRETE ON NEW BRIDGE DECKS AND BRIDGE DECK OVERLAYS.

REMOVAL NOTES:

- EXISTING CONCRETE SLAB OVERHANG FOR THE ENTIRE LENGTH OF THE BRIDGE MEASURING 19'-0" WIDE (AS SHOWN) SHALL BE REMOVED ON THE OUTSIDE FASCIAS) OF THE BRIDGE DECK UNDER ITEM 202.2201 IN THE BRIDGE ESTIMATE.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE REQUIREMENTS OF SUBSECTION 202-3.01 GENERAL AND SAFETY REQUIREMENTS. A REMOVAL PLAN, SIGNED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF NEW YORK, SHALL BE SUBMITTED TO THE ENGINEER THIRTY (30) DAYS PRIOR TO BEGINNING THE DEMOLITION.
- RECORD PLANS COVERING PREVIOUS WORK WILL BE AVAILABLE FOR REVIEW FOR ALL PROSPECTIVE BIDDERS ON THE AUTHORITY'S WEBSITE PRIOR TO THE LETTING DATE.

RECONSTRUCTION NOTES:

- THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT, DUE TO THE NATURE OF RECONSTRUCTION PROJECTS, THE EXACT EXTENT OF RECONSTRUCTION WORK CANNOT ALWAYS BE ACCURATELY DETERMINED PRIOR TO THE COMMENCEMENT OF WORK. THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON FIELD INSPECTION AND OTHER INFORMATION AVAILABLE AT THE TIME. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH FIELD CONDITIONS.
- THE CONTRACTOR SHALL VERIFY DIMENSIONS NECESSARY FOR THE PROPER FIT OF STEEL PIECES PRIOR TO THE FABRICATION OF THE STEEL. THE COST OF FIELD VERIFYING DIMENSIONS SHALL BE INCLUDED IN THE PRICE BID FOR STRUCTURAL STEEL ITEMS.

- THE CONTRACTOR SHALL PERFORM ALL WORK WITH CARE SO THAT ANY MATERIALS WHICH ARE TO REMAIN IN PLACE, OR WHICH ARE TO REMAIN THE PROPERTY OF THE STATE, WILL NOT BE DAMAGED. IF THE CONTRACTOR DAMAGES ANY MATERIALS WHICH ARE TO REMAIN IN PLACE OR WHICH ARE TO REMAIN THE PROPERTY OF THE STATE, THE DAMAGED MATERIALS SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
- WHENEVER ITEMS IN THE CONTRACT REQUIRE MATERIALS TO BE REMOVED AND DISPOSED OF, THE COST OF SUPPLYING A DISPOSAL AREA AND TRANSPORTATION TO THAT AREA SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THOSE ITEMS.
- DURING REMOVAL OPERATIONS, THE CONTRACTOR SHALL NOT BE ALLOWED TO DROP WASTE CONCRETE, DEBRIS AND OTHER MATERIAL TO THE AREA BELOW THE BRIDGE. PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE USED TO CATCH THE MATERIAL. IF THE ENGINEER DETERMINES THAT ADEQUATE PROTECTIVE DEVICES ARE NOT BEING EMPLOYED, THE WORK SHALL BE SUSPENDED UNTIL ADEQUATE PROTECTION IS PROVIDED.
- ALL MATERIAL FALLING ON THE AREA BELOW AND ADJACENT TO THE BRIDGE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AT NO COST TO THE STATE.
- THE COST OF FURNISHING, INSTALLING, MAINTAINING, REMOVING AND DISPOSING OF ALL PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE APPROPRIATE ITEMS OF THE CONTRACT.
- THE DETAILS ON DWG. NOS. CRA-1 & CRD-1 INDICATE THE SPALLS, SCALES AND CRACKS NOTED ON A FIELD INSPECTION BY THE DESIGNER. ALL OF THE MAJOR AREAS OF SPALLING, SCALING AND CRACKING KNOWN TO EXIST AT THE TIME OF CONTRACT PREPARATION HAVE BEEN SHOWN TO INDICATE THE APPROXIMATE EXTENT OF DETERIORATION THAT WILL HAVE TO BE REPAIRED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL PROVIDE THE ENGINEER ACCESS TO BOTH ABUTMENT SURFACES FOR SOUNDING TO DETERMINE AND MARK OUT REMOVAL LIMITS. THE ENGINEER SHALL SUBMIT LABELED DIGITAL PHOTOS OF THE PIER TO THE DIVISIONAL MAINTENANCE ENGINEER ALONG WITH THE CONTRACTOR'S PROPOSED REMOVAL AND REPLACEMENT SEQUENCE FOR APPROVAL. 10 CALENDAR DAYS SHALL BE ALLOWED FOR REVIEW AND APPROVAL. REMOVAL OF CONCRETE SHALL NOT COMMENCE WITHOUT AN APPROVED REMOVAL PLAN. THE COST FOR THESE ITEMS SHALL BE INCLUDED IN THE REMOVAL AND REPLACEMENT CONCRETE ITEMS.
- AREAS OF STRUCTURAL CONCRETE REMOVAL AND REPLACEMENT IN DEPTH (LOCALIZED POCKETS UP TO 12 INCHES DEEP) SHALL BE REPAIRED USING ITEM 582.0051 - REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE. REINFORCEMENT BAR ENCASEMENT, AS APPROPRIATE. AREAS THAT ARE GREATER IN DEPTH SHALL BE REPAIRED USING ITEM 582.0061. REMOVAL OF STRUCTURAL CONCRETE REPLACEMENT WITH VERTICAL AND OVERHEAD PATCHING MATERIAL. THESE GUIDELINES ARE APPROXIMATE, AND THE FINAL DETERMINATION OF WHICH ITEM TO USE SHALL BE MADE BY THE ENGINEER.
- ALL CONCRETE SURFACES RECEIVING NEW CONCRETE SHALL BE SANDBLASTED. PRIOR TO THE APPLICATION OF NEW CONCRETE, THE SURFACES SHALL BE AIR CLEANED THEN PRE-WET FOR 12 HOURS. THERE WILL BE NO SEPARATE PAYMENT FOR THIS WORK. THE COST SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE VARIOUS CONCRETE ITEMS IN THE CONTRACT.
- CHIPPING HAMMERS USED TO REMOVE CONCRETE FROM THE FOLLOWING STRUCTURAL COMPONENTS SHALL NOT EXCEED 40 LB. IN WEIGHT WITH THE BIT REMOVED.
- IT IS RECOMMENDED THAT THE CONTRACTOR INSTALL AND TEST SEVERAL BOLTS PRIOR TO GROUTING ALL THE BOLTS IN CASE OF A CONCRETE/GROUT INCOMPATIBILITY. THIS TEST IS FOR THE CONTRACTOR'S CONVENIENCE AND IS NOT PART OF THE ACCEPTANCE TESTING FOR THIS ITEM.
- THE EMBEDMENT DEPTH SHOWN ON THE PLANS FOR THE DRILLING AND GROUTING ITEM 586.0201 IS FOR ESTIMATING PURPOSES ONLY. THE ACTUAL EMBEDMENT DEPTH SHALL BE CALCULATED BASED ON THE SIZE OF THE BAR, ACTUAL EDGE DISTANCE OF THE BAR, THE SPACING OF THE BAR, ESTIMATED CONCRETE STRENGTH AND THE CHOSEN GROUT SUPPLIER'S RECOMMENDATIONS.
- THE FOLLOWING CONCRETE ELEMENTS SHALL BE SEALED ACCORDING TO ITEM 559.02-PROTECTIVE SEALING OF STRUCTURAL CONCRETE: CONCRETE BARRIER, FASCIA OF NEW DECK AND REPAIRED AREAS OF ABUTMENTS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THE FOLLOWING DIMENSIONS IN THE FIELD PRIOR TO THE FABRICATION OF REPLACEMENT OF EXISTING STEEL COMPONENTS: EXISTING GIRDER END SECTIONS, CONNECTION PLATES, BEARING PLATES, COVER PLATES, ETC.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THE TOP OF PEDESTAL ELEVATIONS PRIOR TO CASTING THE NEW PEDESTALS AND INSTALLING THE NEW BEARINGS WHERE SHOWN.
- SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL FOR THE FOLLOWING STRUCTURAL STEEL REPLACEMENT ITEMS: ITEMS LISTED FOR END SECTION REPAIRS, BEARING PLATES, ANCHOR BOLTS, ETC.
- THE CONTRACTOR SHALL VERIFY DIMENSIONS NECESSARY FOR THE PROPER FIT OF STEEL PIECES PRIOR TO THE FABRICATION OF THE STEEL. THE COST OF FIELD VERIFYING DIMENSIONS SHALL BE INCLUDED IN THE PRICE BID FOR STRUCTURAL STEEL ITEMS.

- IF THE STRUCTURE HAS A BRIDGE IDENTIFICATION NUMBER (B.I.N.) PLATE ATTACHED, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT IT DURING CONSTRUCTION OR REMOVE AND REMOUNT IT AFTER CONSTRUCTION IS COMPLETED.
  - THE CONTRACTOR SHALL KEEP ALL BRIDGE DRAINS CLEAN AND FREE FLOWING DURING THE LIFE OF THE CONTRACT. THE COST SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE VARIOUS SUPERSTRUCTURE ITEMS IN THE CONTRACT.
  - VEHICULAR TRAFFIC OR CONSTRUCTION EQUIPMENT SHALL NOT BE PERMITTED ON THE LIFTED SPAN UNTIL SHIMS, CRIBBING, BOLSTERS OR OTHER SUITABLE SUPPORTS ARE IN THEIR REQUIRED POSITION.
  - THE THICKNESS OF EXISTING ASPHALT OVERLAY SHOWN IS OBTAINED FROM VARIOUS SOURCES AND MAY VARY IN FIELD. CONTRACTOR TO VERIFY AND INFORM THE ENGINEER PRIOR TO BEGINNING OF ANY WORK.
  - THE FINISHED PROFILE SHALL BE THE SAME AS EXISTING PROFILE AS SHOWN ON THE PLANS.
  - ANCHOR BOLTS TO BE REPLACED AS SHOWN MAY BE CAST INTO THE BRIDGE SEATS, OR AT THE CONTRACTOR'S OPTION, DRILLED AND GROUTED INTO THE ABUTMENTS AT NO ADDITIONAL COST TO THE STATE.
  - ALL SURFACES OF STRINGERS SHALL BE CLEANED SO THAT ALL DIRT, GREASE, OR OTHER FOREIGN MATERIAL IS REMOVED AT THE COMPLETION OF THE BRIDGE CONSTRUCTION. THE COST OF CLEANING THIS STEEL IN THE FIELD SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE VARIOUS ITEMS IN THE CONTRACT.
  - BEARING ANCHOR BOLT NUTS SHALL BE SNUG TIGHT AS PER THE NYS STEEL CONSTRUCTION MANUAL.
  - THE CONTRACTOR SHALL MAINTAIN THE EXISTING PROFILE/GRADE AND DECK SUPER ELEVATION POST BRIDGE WORK.
  - ALL REINFORCEMENT BARS SHALL BE EPOXY COATED.
- UTILITIES NOTES:
- THE CONTRACTOR SHALL CONTACT "DIG SAFELY NY" TO HAVE UNDERGROUND UTILITIES LOCATED.
  - ANY DAMAGE TO PUBLIC OR PRIVATE UTILITIES SHALL BE FIXED IMMEDIATELY UNTIL THE SERVICES ARE RESTORED.
  - ANY ABOVE OR UNDERGROUND UTILITIES TO REMAIN IN PLACE SHALL BE PROTECTED DURING THE COURSE OF CONSTRUCTION.
  - ABOVE GROUND ELECTRIC AND CABLE LINES MAY NEED TO BE TEMPORARILY RELOCATED. SERVICE MUST BE MAINTAINED AT ALL TIMES. THE COST OF ALL TEMPORARY RELOCATIONS SHALL BE INCLUDED IN THE VARIOUS ITEMS IN THE CONTRACT.

ASBESTOS:

- THE CONTRACTOR IS CAUTIONED THAT MATERIALS CONTAINING ASBESTOS ARE BELIEVED TO EXIST AT ALL PEDESTALS, BEARINGS, AND ON THE BRIDGE SEAT BETWEEN PEDESTALS ON BOTH BEGIN AND END ABUTMENTS. THESE MATERIALS WERE NOTED DURING FIELD INSPECTIONS OF THE STRUCTURE.
- UNLESS OTHERWISE INDICATED ON THE PLANS, WORK TO BE PERFORMED UNDER THIS CONTRACT AT CERTAIN LOCATIONS WHERE IT DOES REQUIRE DISTURBING OR REMOVAL OF ANY KNOWN MATERIALS CONTAINING ASBESTOS, THE CONTRACTOR SHALL FIRST BE FAMILIAR WITH INDUSTRIAL CODE RULE 56 OF THE N.Y.S. DEPARTMENT OF LABOR, THE CONTRACTOR SHALL ALSO OBTAIN WRITTEN PERMISSION OF THE DIVISION DIRECTOR OF N.Y.S. THRUWAY AUTHORITY BEFORE PROCEEDING.
- COST OF REMOVAL AND PROPER DISPOSAL OF ASBESTOS CONTAINING MATERIAL SHALL BE PAID FOR UNDER ITEM 210.480301

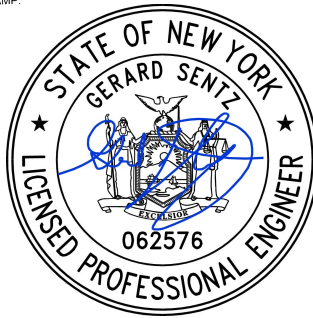
BRIDGE STEEL GIRDER PAINTING

- THE COST OF REMOVAL OF LEAD BASED PAINT AND PAINT REMOVAL CONTAINMENT OPERATIONS SHALL BE PAID FOR UNDER ITEM 571.03 - DISPOSAL OF HAZARDOUS PAINT REMOVAL WASTE CONTAINING LEAD AND ITEM 560.160001 - CLASS B CONTAINMENT.
- COST OF PAINT REMOVAL AND STEEL PAINTING SHALL BE PAID FOR UNDER ITEM 574.030001 STRUCTURAL STEEL PAINTING: LOCALIZED

THIS SHEET SUPERSEDES NO. 139


DESIGNED BY: M. COX  
CHECKED BY: M. SCHICK  
DRAFTED BY: M. COX  
CHECKED BY: M. SCHICK  
DESIGNED BY: M. COX  
CHECKED BY: M. SCHICK  
DESIGNED BY: M. COX  
CHECKED BY: M. SCHICK

ALTERED ON:	AFFIXED ON: 10/16/2025
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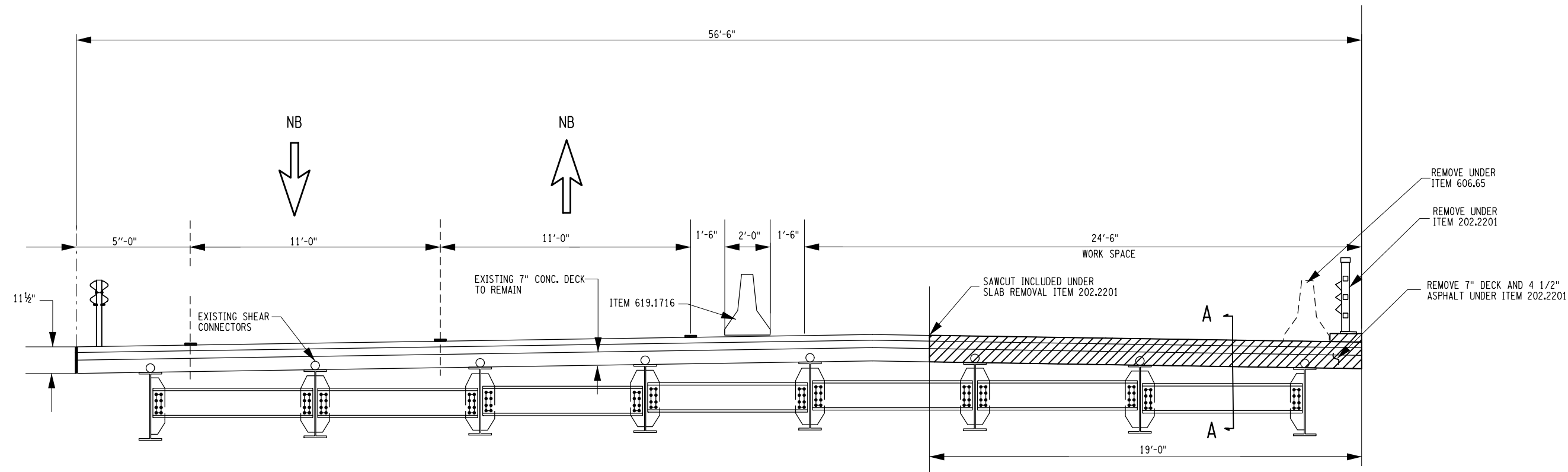
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



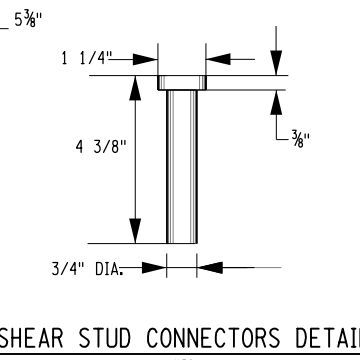
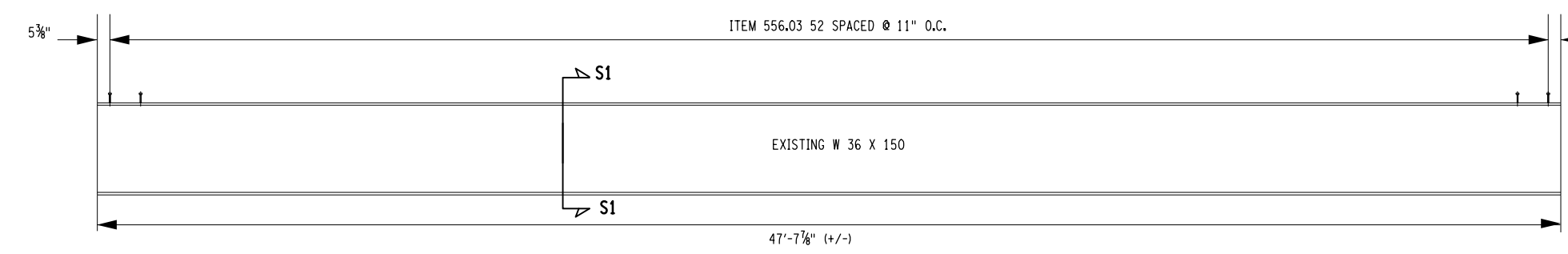
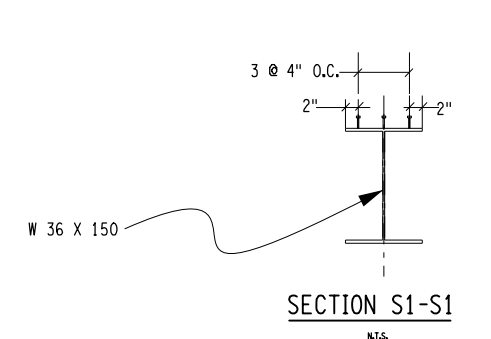

TITLE OF PROJECT I-87 BRIDGE REHABILITATION OVER SMITH CLOVE ROAD (MP 47.04)	CONTRACT NUMBER: TANY 26-17B
LOCATION OF PROJECT VILLAGE OF WOODBURY ORANGE COUNTY BIN 5514279	DATE: 05/21/2025
TITLE OF DRAWING GENERAL NOTES	DRAWING NUMBER: GN-1

DESIGNED BY: M. COX  
CHECKED BY: M. SCHICK  
DRAFTED BY: M. COX  
CHECKED BY: M. SCHICK  
DESIGNED BY: M. COX  
CHECKED BY: M. SCHICK  
DRAFTED BY: M. COX  
CHECKED BY: M. SCHICK



**NORTH BOUND DECK REMOVAL (DRAWING STAGES 2 & 5)**  
(SOUTH BOUND SIMILAR EXCEPT FOR MIRROR IMAGE)  
N.T.S.

- NOTES:
- 1- FOR SECTION A-A, SEE DRAWING PD-1.
  - 2- REFER TO DWG. DRD-1 FOR STEEL REINFORCEMENT INSTALLATION NOTES.
  - 3- THE EXISTING STRUCTURE HAS A WATERPROOF MEMBRANE. COST OF REMOVING THE EXISTING TO BE INCLUDED UNDER ITEM 202.2201.



**PROPOSED SHEAR CONNECTOR REPLACEMENT DETAILS**  
REPLACE EXISTING SPIRALS WITH STUD SHEAR CONNECTORS UNDER ITEM 556.03 AT DECK REPLACEMENT AREAS  
N.T.S.

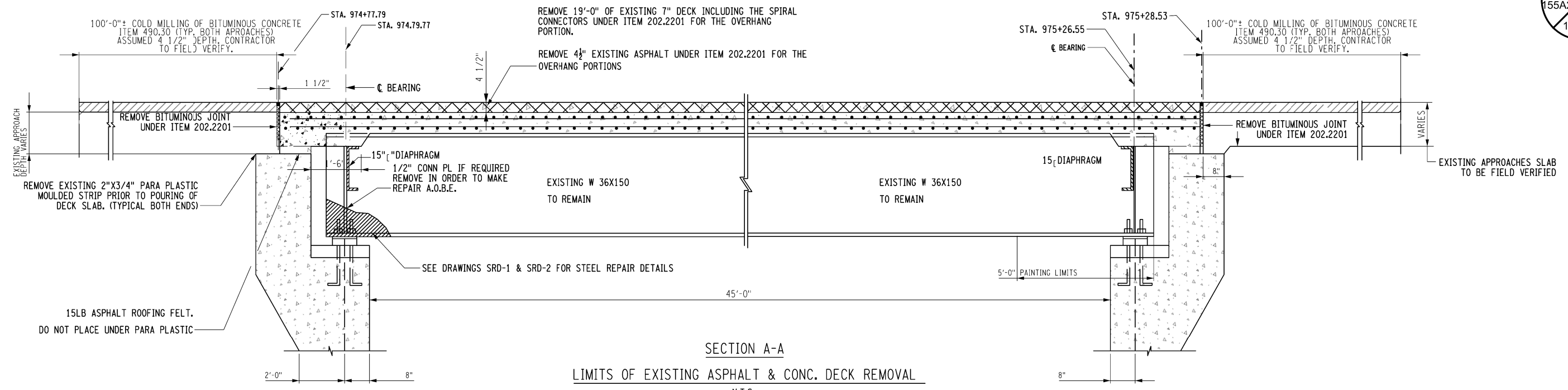
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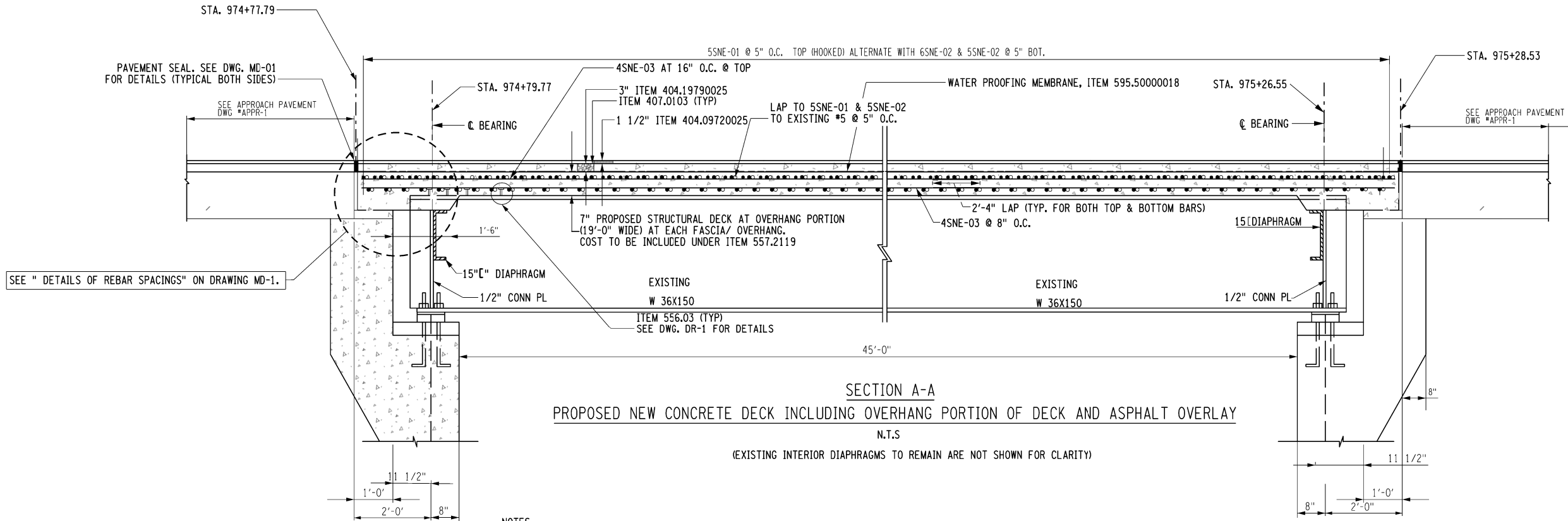
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT: 1-87 BRIDGE REHABILITATION OVER SMITH CLOVE ROAD (MP 47.04)	CONTRACT NUMBER: TANY 26-17B
LOCATION OF PROJECT: VILLAGE OF WOODBURY ORANGE COUNTY BIN 5514279	DATE: 05/21/2025
TITLE OF DRAWING: OVERHANG DECK REMOVAL	DRAWING NUMBER: DR-1

M. COX  
 CHECKED BY:  
 M. SCHICK  
 DRAFTED BY:  
 M. COX  
 CHECKED BY:  
 M. SCHICK  
 DESIGNED BY:  
 M. COX  
 DESIGN SUPERVISOR:



**SECTION A-A**  
**LIMITS OF EXISTING ASPHALT & CONC. DECK REMOVAL**  
 N.T.S.  
 (EXISTING INTERIOR DIAPHRAGMS TO REMAIN ARE NOT SHOWN FOR CLARITY)



**SECTION A-A**  
**PROPOSED NEW CONCRETE DECK INCLUDING OVERHANG PORTION OF DECK AND ASPHALT OVERLAY**  
 N.T.S.  
 (EXISTING INTERIOR DIAPHRAGMS TO REMAIN ARE NOT SHOWN FOR CLARITY)

**NOTES:**

- 1- NEW REINFORCEMENT TO BE SPICED/CONNECTED TO THE OLD #5 REINFORCEMENT WHERE EXISTING BY LAP OR WELDING AND IN ACCORDANCE WITH N.Y.S.D.O.T STEEL CONSTRUCTION MANUAL (SCM) SECTION 7, COST TO BE INCLUDED UNDER ITEM 557.2119.
- 2- 6SNE-02 HOOKED REINFORCEMENT TO BE PLACED @ 5" O.C. AT THE TOP OF NEW SLAB ALTERNATE WITH 5SNE-01. COST TO BE INCLUDED UNDER ITEM 557.2119.
- 4- REFER TO DRAWING DRD-2 FOR REINFORCEMENT DETAILS OF TRANSVERSE SECTION OF SLAB.
- 5- REFER TO DRAWINGS "TRAFFIC CONTROL PLANS" FOR VARIOUS STAGES OF CONSTRUCTION.
- 6- REMOVE EXISTING SPIRAL CONNECTORS UNDER ITEM 202.2201 (TYP.)

THIS SHEET SUPERSEDES NO. 155

- STRUCTURAL STEEL REPAIRS
- REMOVE ASPHALT OVERLAY ITEM 490.30
- EXISTING REINFORCEMENT
- PROPOSED REINFORCEMENT

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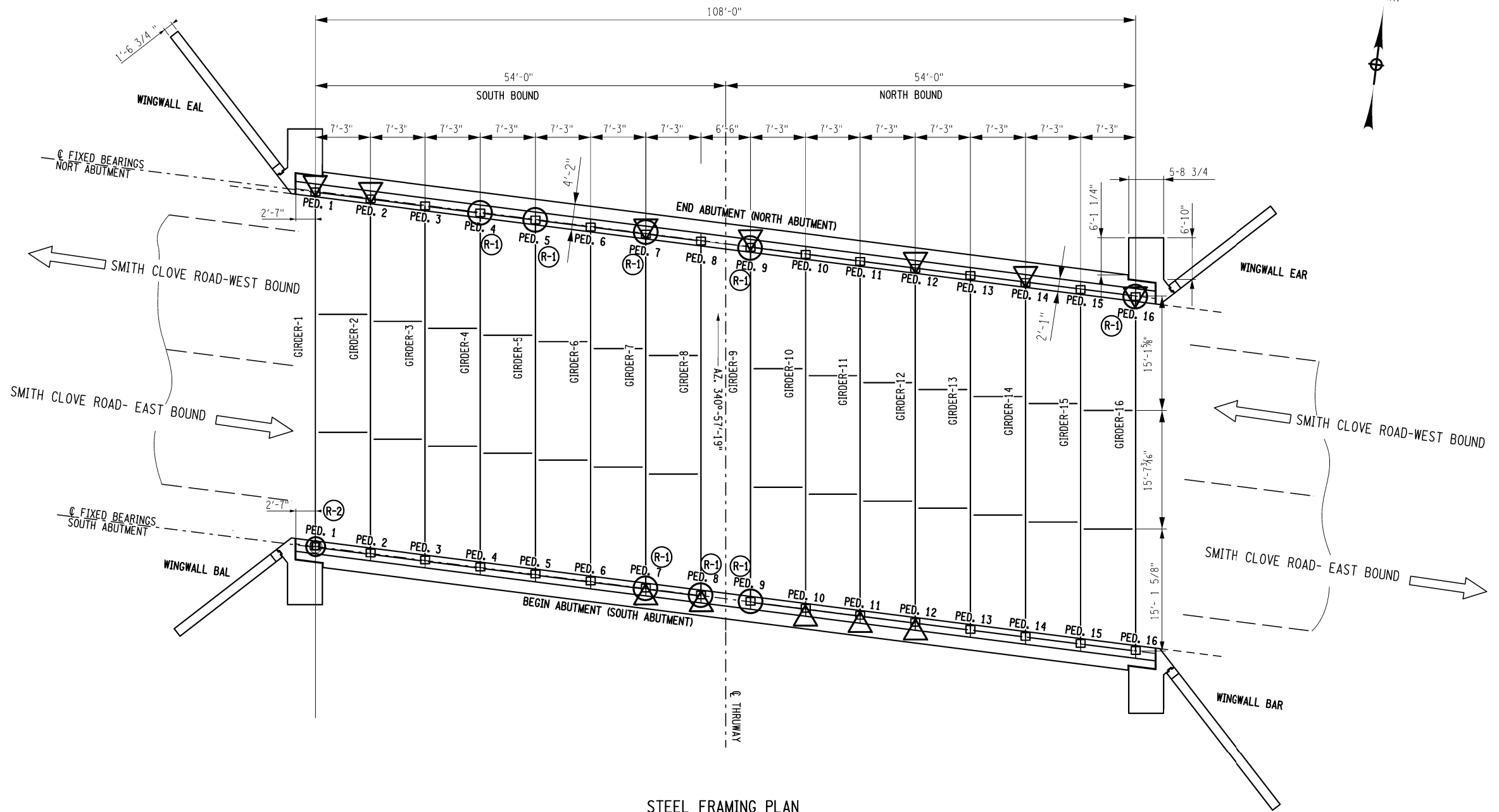
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT 1-87 BRIDGE REHABILITATION OVER SMITH CLOVE ROAD (MP 47.04)	CONTRACT NUMBER: TANY 26-17B
LOCATION OF PROJECT VILLAGE OF WOODBURY ORANGE COUNTY BIN 5514279	DATE: 05/21/2025
TITLE OF DRAWING PROPOSED DECK AT OVERHANG SIDE	DRAWING NUMBER: PD-1

THIS SHEET SUPERSEDES NO. 156

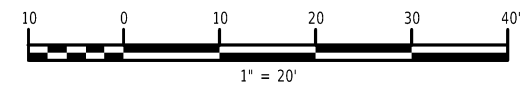
DESIGN SUPERVISOR: M. COX  
CHECKED BY: M. SCHICK  
DRAFTED BY: M. COX  
CHECKED BY: M. SCHICK



STEEL FRAMING PLAN

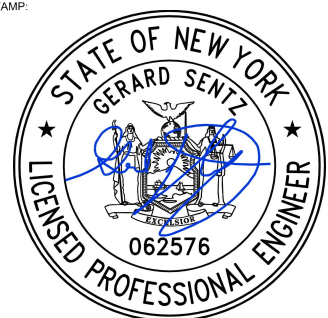
LEGEND

- INDICATES LOCATION OF STEEL GIRDER END SECTION REPAIRS. SEE DWG. SRD-2 FOR DETAILS
- INDICATES LOCATION OF PEDESTAL REPAIRS. SEE DWG. SRD-2 FOR DETAILS
- INDICATES LOCATION WHERE BOTH STEEL & PEDESTAL REPAIRS ARE TO BE PERFORMED. SEE DWG. SRD-2 FOR DETAILS
- INDICATES TYPE OF REPAIR. SEE TABLE ON DWG. SRD-1 FOR TYPES SEE STEEL REPAIR TABLE FOR INFORMATION

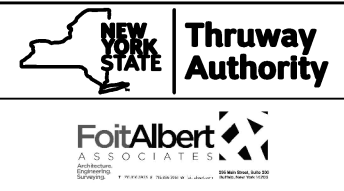


NOTES  
1) REFER DRAWINGS GLO-1, SRD-1, SRD-2 & CRD-1 FOR REPAIR DETAILS OF END GIRDERS, BEARINGS AND PEDESTALS.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



REVISIONS			
DATE	DESCRIPTION	BY	SYM.

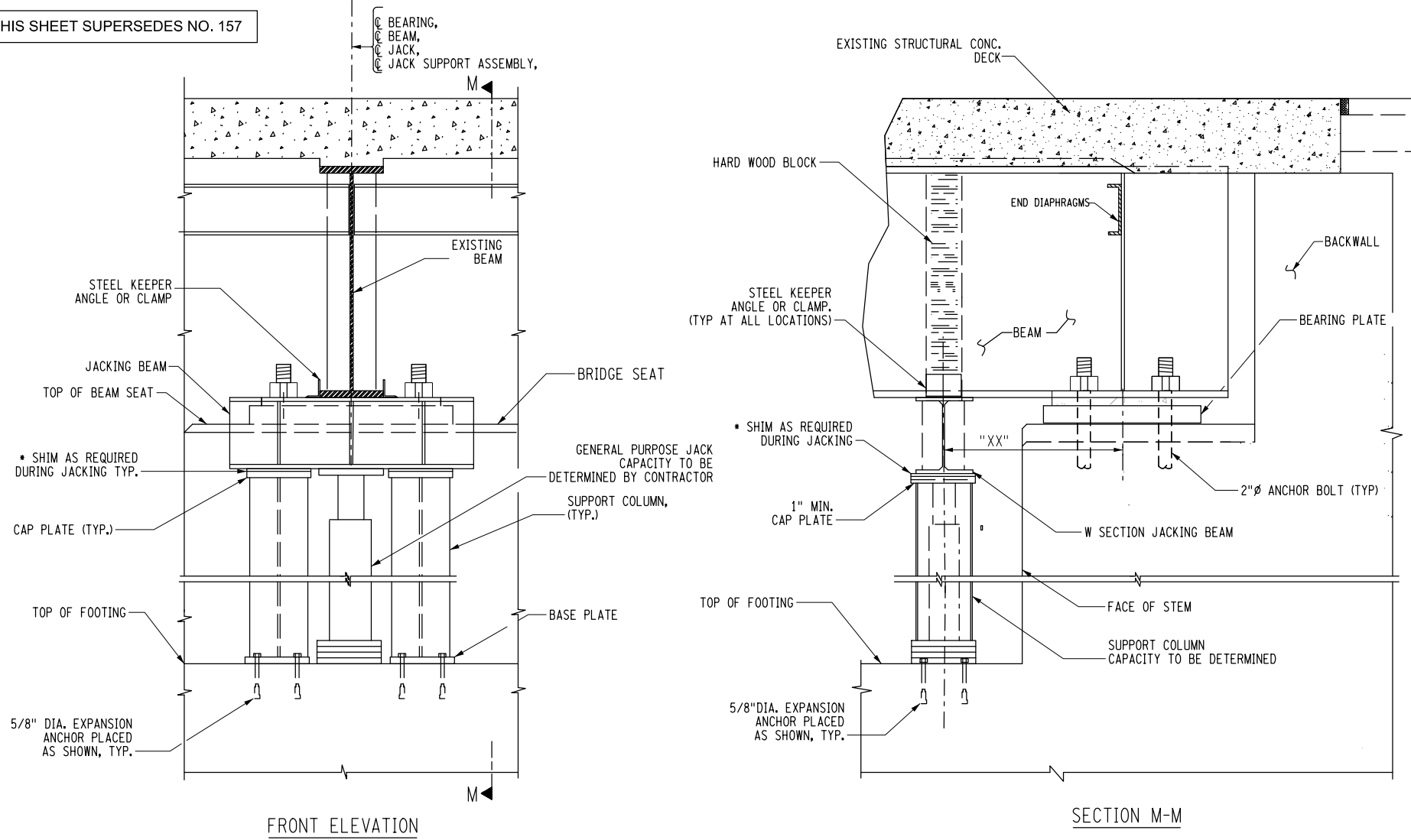


TITLE OF PROJECT  
1-87 BRIDGE REHABILITATION OVER SMITH CLOVE ROAD (MP 47.04)  
LOCATION OF PROJECT  
VILLAGE OF WOODBURY ORANGE COUNTY BIN 5514279  
TITLE OF DRAWING  
EXISTING FRAMING PLAN

CONTRACT NUMBER:  
TANY 26-17B  
DATE:  
05/21/2025  
DRAWING NUMBER:  
SFP-1

THIS SHEET SUPERSEDES NO. 157

DESIGNED BY: M. COX  
CHECKED BY: M. SCHICK  
DRAFTED BY: M. COX  
CHECKED BY: M. SCHICK  
DESIGNED BY: M. COX  
CHECKED BY: M. SCHICK  
DESIGNED BY: M. COX  
CHECKED BY: M. SCHICK



JACKING AND BLOCKING DETAILS  
N.T.S

- NOTES:
1. THE DETAILS SHOWN ON THIS SHEET ARE CONCEPTUAL FOR JACKING OF EXISTING STEEL GIRDERS. THE CONTRACTOR SHALL SUBMIT HIS OWN DESIGN TO THE ENGINEER FOR APPROVAL.
  2. THE CONTRACTOR SHALL VERIFY ALL STRUCTURAL DIMENSIONS PERTINENT TO THE JACKING SYSTEM, AS WELL AS ALL DIMENSIONS OF THE JACKING SUPPORT ASSEMBLY PRIOR TO FABRICATING OR ORDERING ANY MATERIALS.
  3. JACKING SHALL NOT BE PERFORMED UNDER ACTIVE TRAFFIC CONDITIONS. THE LOCATION OF JACKING OPERATIONS SHALL BE COORDINATED WITH THE LANE CLOSURES ON THE THRUWAY MAINLINE SO THAT NO LIVE LOAD IS PRESENT IN THE VICINITY OF THE STEEL REPAIRS.
  4. BEAMS TO BE JACKED AND BLOCKED SHALL NOT BE JACKED MORE THAN 1/4 INCH OR AS DIRECTED BY THE ENGINEER. THE DIFFERENCE IN ELEVATION BETWEEN ADJACENT BEAMS DURING JACKING AND BLOCKING SHALL NOT BE GREATER THAN 1/8 INCH.
  5. THE JACKING PROCEDURE SHALL BE MONITORED TO ENSURE THAT JACKING DOES NOT CAUSE DAMAGE AT ANY LOCATION IN THE SPAN. IF THERE IS ANY EVIDENCE OF DAMAGE OCCURRING DURING THE JACKING OPERATIONS AT ANY LOCATION ALONG THE SPAN, THE CONTRACTOR SHALL TAKE CORRECTIVE ACTIONS AND NOTIFY THE ENGINEER IMMEDIATELY.
  6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE STRUCTURE CAUSED BY JACKING, NO STRUCTURAL ELEMENTS, INCLUDING STEEL PLATES AND/OR SHAPES SHALL BE REMOVED FROM THE EXISTING STRUCTURE WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
  7. THE JACKS AND THE JACKING SUPPORTS SHALL BE STRAIGHT, PLUMB AND PLACED AT LOCATIONS OF LEVEL AND SOUND CONCRETE.
  8. ALL MATERIAL SHALL BE ASTM A709 GRADE 50, AS REQUIRED BY DESIGN.

- SUGGESTED JACKING SEQUENCE OF CONSTRUCTION:
1. MOBILIZE AND SET UP CONSTRUCTION ACCESS TO PERFORM JACKING.
  2. INSTALL JACKING ASSEMBLY INCLUDING ANY TOWERS, JACK SUPPORTS, LEVELING SHIMS AND JACKS.
  3. SET UP MAINTENANCE OF TRAFFIC (MOT) TO REMOVE LIVE LOAD FROM THE BRIDGE. THE LOCATION OF JACKING OPERATIONS SHALL BE COORDINATED WITH THE LANE CLOSURES ON THE THRUWAY MAINLINE SO THAT NO LIVE LOAD IS PRESENT IN THE VICINITY OF THE STEEL REPAIRS.
  4. JACK THE GIRDER/BEAM.
  5. PERFORM APPLICABLE REPAIRS.
  6. ENSURING LIVE LOAD IS COMPLETELY REMOVED FROM THE BRIDGE, RELEASE PRESSURE ON JACK LEAVING GIRDER/BEAM TO REST ON BEARING PLATE.
  7. RE-OPEN BRIDGE TO TRAFFIC.
  8. REMOVE ALL JACKING COMPONENTS. FILL ALL VOIDS WITH NYSDOT APPROVED HIGH STRENGTH GROUT (COST OF GROUT & GROUTING INCLUDED IN ITEM 585.01).
  9. THE CONTRACTOR IS REQUIRED TO OBTAIN ALL EXISTING ELEVATIONS OF TOP OF PEDESTALS PRIOR TO ANY WORK IN ORDER TO MAINTAIN EXISTING ELEVATIONS POST PEDESTAL REPAIRS.
  10. RESTORE ALL DISTURBED AREAS TO PRECONSTRUCTION OR BETTER CONDITIONS AND DEMOBILIZE.

THE JACKING SEQUENCE PROVIDED ABOVE IS SUGGESTED ONLY. THE CONTRACTOR SHALL SUBMIT A JACKING PLAN PRIOR TO PERFORMING ANY JACKING OPERATIONS. THE COST FOR ALL MATERIALS, SETUP, JACKING, AND DEMOBILIZATION SHALL BE INCLUDED IN THE PRICE BID FOR JACKING AND BLOCKING.

THE CONTRACTOR IS REQUIRED TO SUBMIT HIS DESIGN COMPUTATIONS AND WORKING DRAWINGS TO THE ENGINEER-IN-CHARGE FOR REVIEW AND APPROVAL. THESE DOCUMENTS SHOULD BE SIGNED AND STAMPED BY A PROFESSIONAL LICENSED ENGINEER IN NEW YORK STATE. THE CONTRACTOR SHALL SUBMIT THESE DOCUMENTS IN A TIME FRAME THAT ALLOWS THE DEPARTMENT AMPLI REVIEW TIME. THE DEPARTMENT'S REVIEW TIME SHALL BE IN ACCORDANCE WITH § 585-3.03-WORKING DRAWINGS.

- NOTE:
- 1) COST OF STRUCTURAL LIFTING OPERATIONS SHALL BE PAID FOR UNDER ITEM 585.01
  - 2) DIMENSION "XX" TO BE FIELD DETERMINED AND APPROVED BY THE ENGINEER.

LOCATION	GIRDER REACTIONS (KIPS)*			FL	NO. OF JACKS PER GIRDER	MINIMUM JACK CAPACITY (TONS) EACH
	DC DEAD LOAD	LL+IM LIVE LOAD	1.55(DC)+1.35 (LL+IM)			
SOUTH ABUTMENT	78.00	26.00	156.00			
NORTH ABUTMENT	78.00	26.00	156.00			

\* ALL LOADING BASED ON WORST CASE INTERIOR BEAM.  
"FL" IS THE LIFT FORCE NEEDED TO DEFLECT THE BEAM 1/4" AT THIS LOCATION, ASSUMING ALL GIRDERS ARE JACKED SIMULTANEOUSLY.

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DATE	DESCRIPTION	BY	SYM.

ALTERED ON: \_\_\_\_\_ AFFIXED ON: 10/18/2025

SIGNATURE: \_\_\_\_\_ STAMP: \_\_\_\_\_

CONTRACT NUMBER:  
**TANY 26-17B**

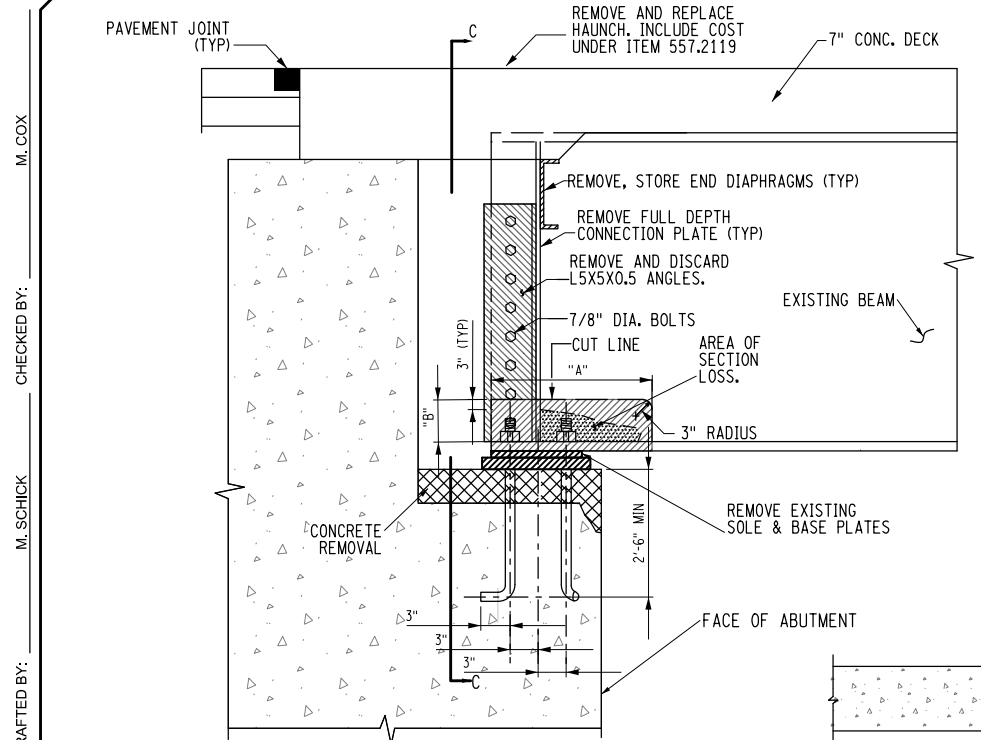
DATE:  
**05/21/2025**

DRAWING NUMBER:  
**GLO-1**

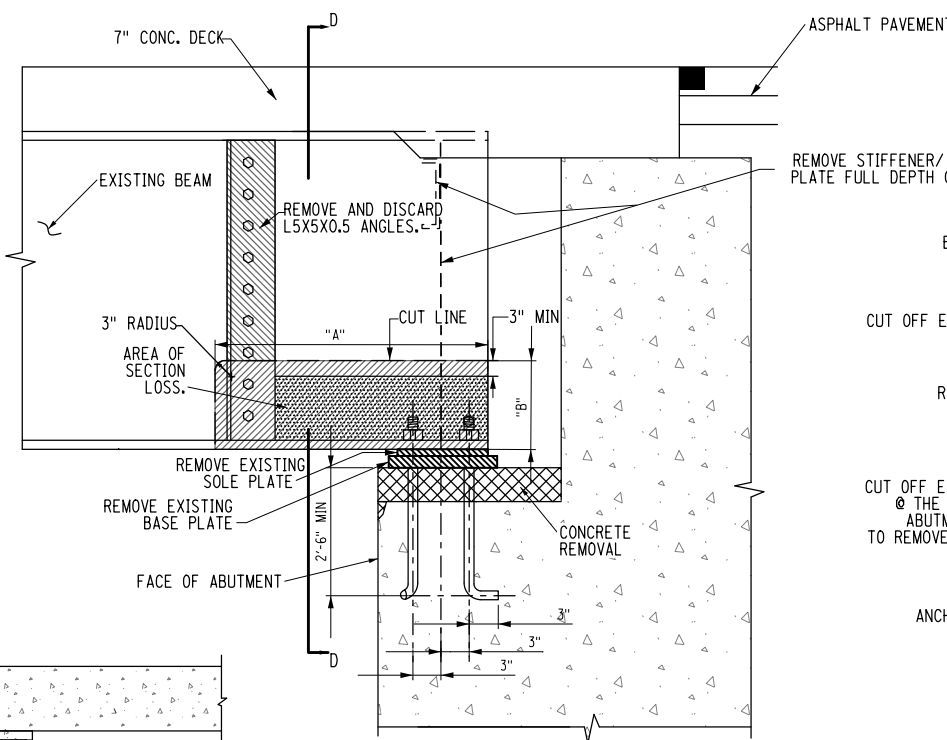
TITLE OF PROJECT:  
I-87 BRIDGE REHABILITATION OVER SMITH CLOVE ROAD (MP 47.04)

LOCATION OF PROJECT:  
VILLAGE OF WOODBURY ORANGE COUNTY BIN 5514279

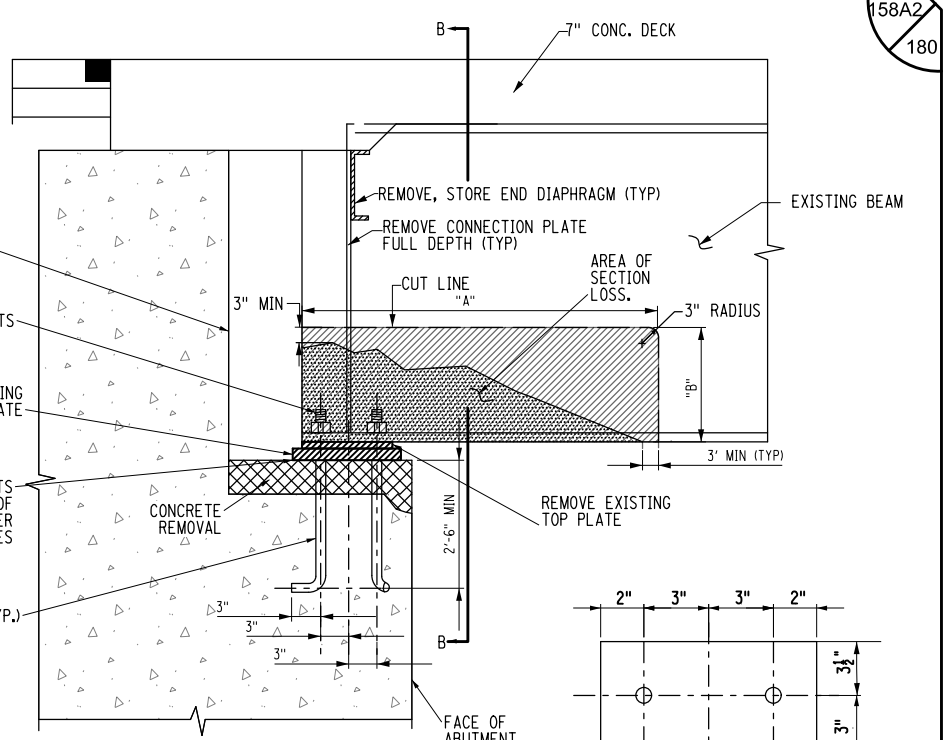
TITLE OF DRAWING:  
**GIRDER LIFTING OPERATIONS**



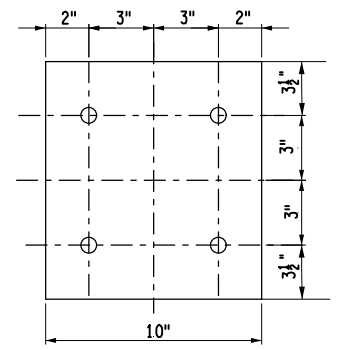
**TYPE-R1 REPAIR OF GIRDERS**  
NOTE: REBAR NOT SHOWN IN THE ABUTMENT WALL.



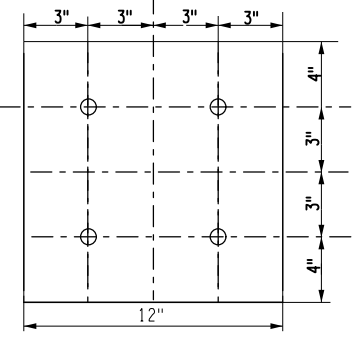
**TYPE R-2 REPAIR OF GIRDERS**  
NOTE: REBAR NOT SHOWN IN THE ABUTMENT WALL.



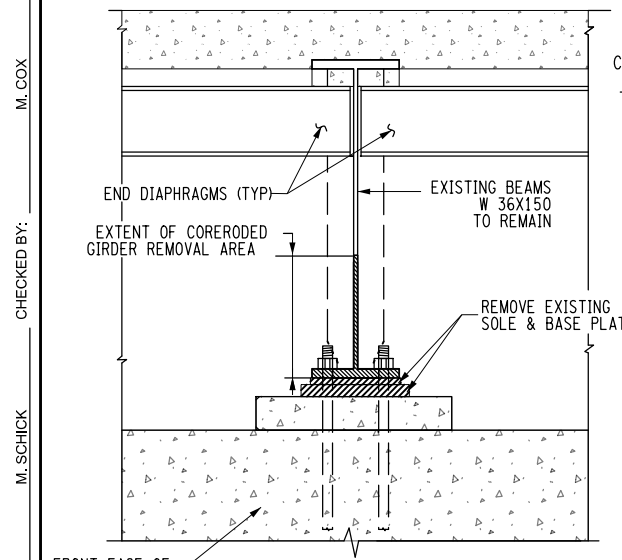
**TYPE R-2 REPAIR OF GIRDERS**  
NOTE: REBAR NOT SHOWN IN THE ABUTMENT WALL.



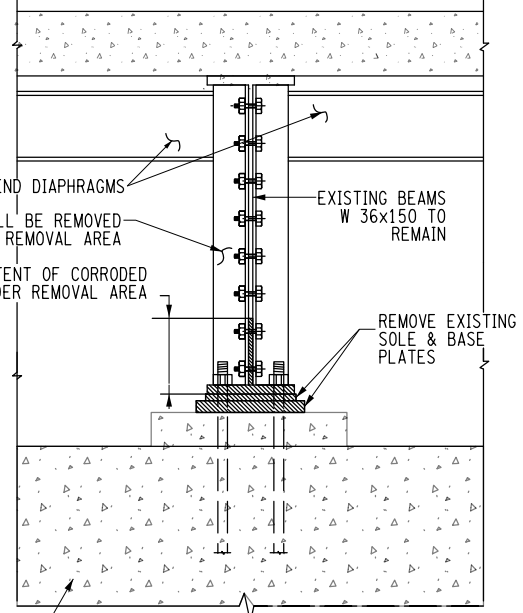
EXISTING SOLE PLATES



EXISTING BASE PLATES



CONNECTION PLATE REMOVAL SECTION B-B



CONNECTION PLATE REMOVAL SECTION C-C/ SECTION D-D

**REPAIR PROCEDURE FOR SMITH CLOVE ROAD:**

1. SET UP WZTC PLAN ON SMITH CLOVE ROAD INCLUDING TEMPORARY CONCRETE BARRIER AND STRIPING.
2. INSTALL TEMPORARY SUPPORT FOR THE GIRDER REPAIRS ON BOTH SIDES OF THE GIRDERS. THESE SUPPORTS ARE TO STAY IN PLACE UNTIL ALL WORK (EXCEPT CLEANING AND PAINTING) IS COMPLETED. INSTALL JACKING EQUIPMENT AND LIFT GIRDER.
3. REMOVE EXISTING PAINT AND RUST AT LEAST 6" AROUND THE WORK AREA. PAINT REMOVAL SHALL OCCUR PRIOR TO ANY THERMAL CUTTING OPERATIONS. PAINT REMOVAL INCLUDED IN THE COST OF ITEM 574.030001.
4. REMOVE DIAPHRAGM AND STORE FOR REINSTALLATION. DIAPHRAGM MAY BE WELDED. REMOVE WELDS BY SCARIFYING THE CONNECTION PLATE.
5. REMOVE ANY BOLTED REINFORCING STEEL THAT HAS BEEN ADDED. DISCARD BOLTS AND MATERIAL.
6. REMOVE THE CONCRETE HAUNCH AREA ENCAPSULATING THE TOP PORTION OF THE CONNECTION PLATE.
7. REMOVE THE CONNECTION PLATE BY TORCH/AIR-CARBON ARC CUTTING THE WEB TO WITHIN 1/8" OF THE WEB AND GRINDING THE REMAINING WELD METAL FLUSH. CARE SHALL BE TAKEN TO NOT DAMAGE THE WEB. ANY DAMAGE TO THE WEB SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE THRUWAY.
8. REMOVE DETERIORATED PORTION OF THE WEB INCLUDING THE BOTTOM FLANGE WITHIN 3" OF THE DETERIORATION.
9. INSTALL THE NEW SECTION OF THE W36X150 WITH A CPGW. AN ACCESS HOLE IS REQUIRED AT THE WEB TO BOTTOM FLANGE INTERFACE. GRIND SMOOTH WITH THE BASE METAL.
10. PERFORM UT (ULTRASONIC TEST) THE CPGW PER SECTION 17 OF THE NYSSCM.
11. ALL WELD REMOVAL AREAS INCLUDING THE DIAPHRAGMS SHALL BE MAGNETIC PARTICLE TESTED PER SECTION 18 OF THE NYSSCM.
12. INSTALL NEW CONNECTION PLATE AND DIAPHRAGM. THE CONNECTION PLATE SHALL BE MATCH DRILLED USING THE DIAPHRAGM AS A TEMPLATE. (2) BOLTS REQUIRED. REWELDING IS NOT REQUIRED. INSTALL BOLTS IN ALL OPEN HOLES.
13. INSTALL NEW BEARING PLATES/ ANCHOR BOLTS AND RELEASE AND REMOVE THE JACKING EQUIPMENT.
14. REPAIR HAUNCH AREA AND PAINT ALL EXPOSED PORTIONS OF THE GIRDER AND DIAPHRAGM.
15. COST OF STEEL GIRDER REPAIR SHALL BE PAID FOR UNDER ITEM 564.100001 AND ITEM 564.100002
16. THE EXISTING BRIDGE IS A SINGLE SPAN BRIDGE WITH W 36x150 SECTION GIRDERS. DURING LIFTING OPERATIONS, THE CONTRACTOR IS REQUIRED TO MONITOR ANY MOVEMENT AND/OR SWAYING OF GIRDERS, HE SHOULD IMMEDIATELY CEASE OPERATIONS AND COME UP WITH AN ALTERNATE PLAN APPROVED BY THE ENGINEER BEFORE CONTINUING ANY WORK.

THIS SHEET SUPERSEDES NO. 158

**STEEL REPAIR -ITEM 564.10000X ('X'=1,2 TYPES OF REPAIRS)**

LOCATION	REPAIR	GIRDER	TYPE	DIM. "A"	DIM. "B"	TW	Tf	BASE PLATE	SOLE PLATE	BOLT DIA	NO.	CONN. PLATE	NO.	ANGLE STIFFENER	NO.	REP. SECTION	NO.	ANCH. BLT	WEIGHT(LBS) (+/-)	
BEGIN ABUTMENT	STEEL REPAIR	GIRDER-1	R-2	32"	12"	0.625"	0.9375"	18" 14"	2" 14"	10" 0.9375"	7/8" DIA (MIN)	9	1/2" x 34 1/2" x 7"	2	L 5 X 5 X 1/2"	2	WT 18x75	-	4	542.00
		GIRDER-7	R-1	15"	7"	0.625"	0.9375"	18" 14"	2" 14"	10" 0.9375"	7/8" DIA (MIN)	8	1/2" x 34 1/2" x 7"	2	L 5 X 5 X 1/2"	2	WT 18x75	-	4	372.00
		GIRDER-8	R-1	16"	7"	0.625"	0.9375"	18" 14"	2" 14"	10" 0.9375"	7/8" DIA (MIN)	4	1/2" x 34 1/2" x 7"	2	L 5 X 5 X 1/2"	2	WT 18x75	-	4	369.00
		GIRDER-9	R-1	21"	9"	0.625"	0.9375"	18" 14"	2" 14"	10" 0.9375"	7/8" DIA (MIN)	2	1/2" x 34 1/2" x 7"	2	L 5 X 5 X 1/2"	1	WT 18x75	1	4	379.00
END ABUTMENT	STEEL REPAIR	GIRDER-4	R-1	-	-	-	-	-	-	-	7/8" DIA (MIN)	8	1/2" x 34 1/2" x 7"	-	L 5 X 5 X 1/2"	2	WT 18x75	-	4	220.00
		GIRDER-5	R-1	22"	8"	0.625"	0.9375"	18" 14"	2" 14"	10" 0.9375"	7/8" DIA (MIN)	8	1/2" x 34 1/2" x 7"	2	L 5 X 5 X 1/2"	2	WT 18x75	-	4	399.00
		GIRDER-7	R-1	12"	9"	0.625"	0.9375"	18" 14"	2" 14"	10" 0.9375"	7/8" DIA (MIN)	8	1/2" x 34 1/2" x 7"	2	L 5 X 5 X 1/2"	2	WT 18x75	-	4	373.00
		GIRDER-9	R-1	14"	8"	0.625"	0.9375"	18" 14"	2" 14"	10" 0.9375"	7/8" DIA (MIN)	-	-	-	-	WT 18x75	-	4	339.00	
		GIRDER-16	R-1	40"	8"	0.625"	0.9375"	18" 14"	2" 14"	10" 0.9375"	7/8" DIA (MIN)	8	1/2" x 34 1/2" x 7"	1	L 5 X 5 X 1/2"	2	WT 18x75	-	4	419.00

- REFERENCE NOTES:**
1. FOR STEEL REPAIR LOCATIONS, REFER TO DRAWING NO. SFP-1.
  2. FOR NOTES ON TEMPORARY SUPPORT, REFER TO DRAWING GLO-1.

ALTERED ON: \_\_\_\_\_ AFFIXED ON: 10/18/2025

SIGNATURE: \_\_\_\_\_ STAMP: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_ STAMP: \_\_\_\_\_

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

**REVISIONS**

DATE	DESCRIPTION	BY	SYM.

**NEW YORK STATE Thruway Authority**

**Foitt Albert ASSOCIATES**

TITLE OF PROJECT: I-87 BRIDGE REHABILITATION OVER SMITH CLOVE ROAD (MP 47.04)

LOCATION OF PROJECT: VILLAGE OF WOODBURY, ORANGE COUNTY BIN 5514279

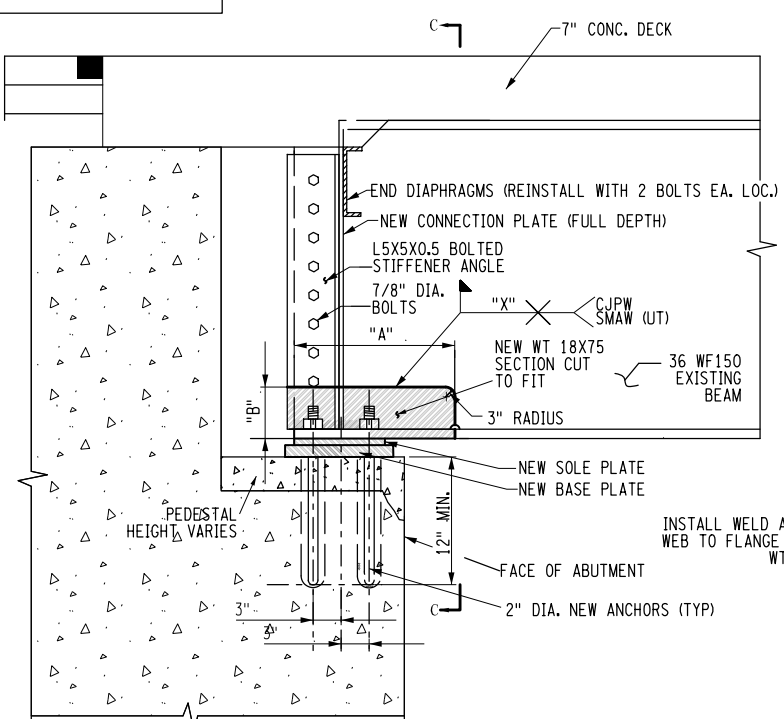
TITLE OF DRAWING: STEEL REPAIR DETAIL-1

CONTRACT NUMBER: TANY 26-17B

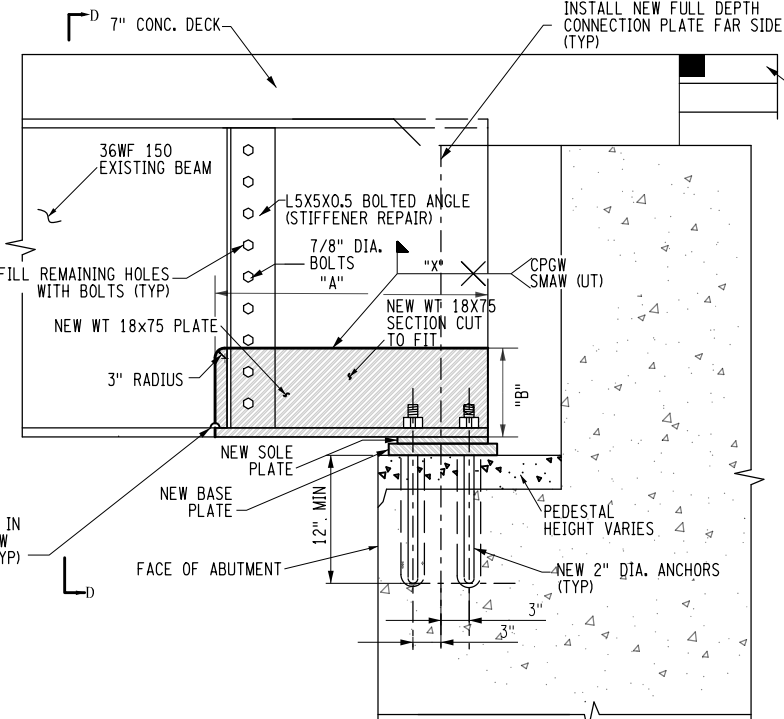
DATE: 05/21/2025

DRAWING NUMBER: SRD-1

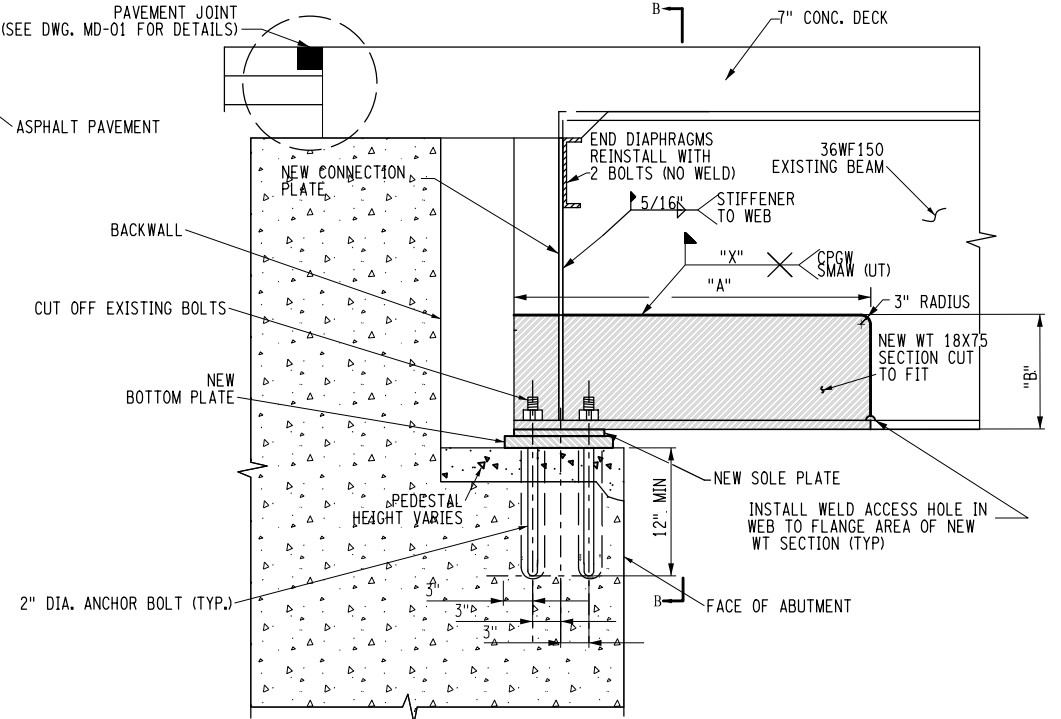
M. COX  
 CHECKED BY:  
 M. SCHICK  
 DRAFTED BY:  
 M. COX  
 CHECKED BY:  
 M. SCHICK  
 DESIGNED BY:  
 M. COX  
 DESIGN SUPERVISOR:



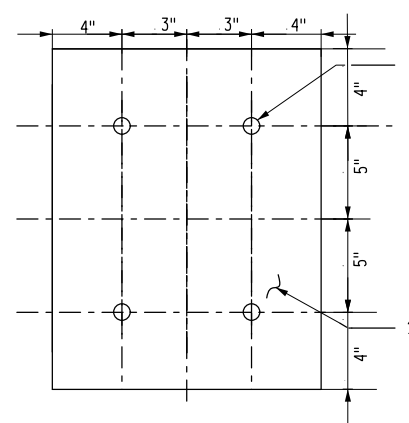
**TYPE-R1 REPAIR OF GIRDERS**  
(ITEM 564.100001)  
NOTE: REBAR NOT SHOWN IN THE ABUTMENT WALL.  
N.T.S.



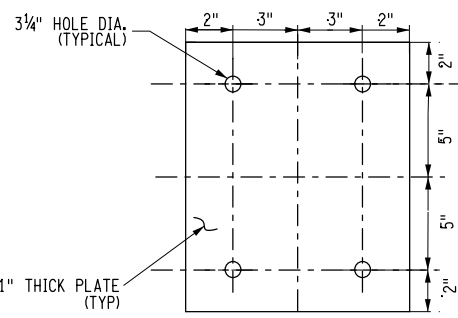
**TYPE R-2 REPAIR OF GIRDERS**  
(ITEM 564.100002)  
NOTE: REBAR NOT SHOWN IN THE ABUTMENT WALL.  
N.T.S.



**TYPE R-2 REPAIR OF GIRDERS**  
(ITEM 564.100002)  
NOTE: REBAR NOT SHOWN IN THE ABUTMENT WALL.  
N.T.S.

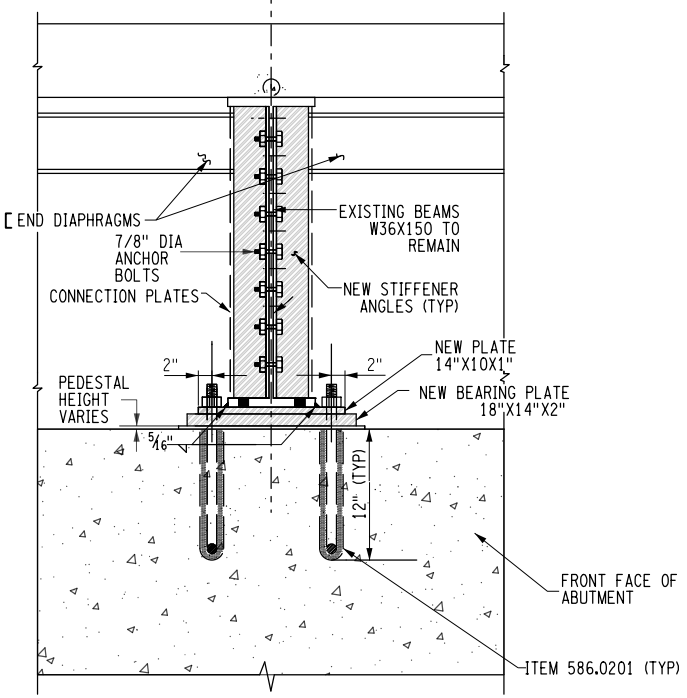


**PROPOSED BOTTOM PLATES**  
N.T.S.

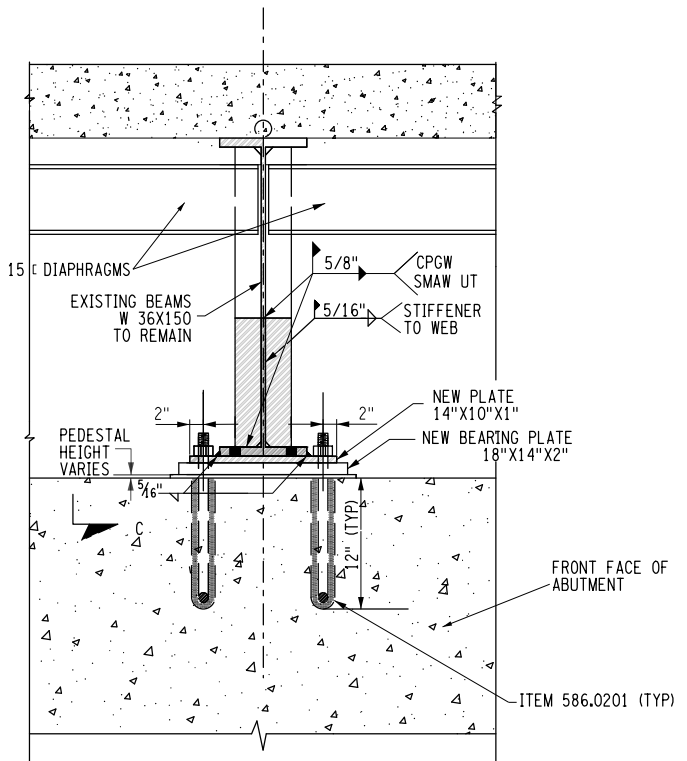


**PROPOSED TOP PLATES**  
N.T.S.

- NOTES**
- 1) ALL STRUCTURAL STEEL REPAIR SHALL BE PAID FOR UNDER ITEM 564.100001 AND ITEM 564.100002.
  - 2) SEE DRAWING SRD-1 FOR STEEL REPAIR DETAILS, ITEMS AND FIELD MEASURED DIMENSIONS. HOWEVER, THE CONTRACTOR SHOULD FIELD VERIFY THE DIMENSIONS PRIOR TO BEGINNING OF REPAIR WORK.
  - 3) THE COST OF REMOVAL OF LEAD BASED PAINT FROM THE SITE AND PAINT REMOVAL CONTAINMENT OPERATIONS SHALL BE PAID FOR UNDER ITEM 571.03 - DISPOSAL OF HAZARDOUS PAINT REMOVAL WASTE CONTAINING LEAD AND ITEM 560.160001 - CLASS B CONTAINMENT.
  - 4) COST OF PAINT REMOVAL AND STEEL PAINTING SHALL BE PAID FOR UNDER ITEM 574.030001 - STRUCTURAL STEEL PAINTING (LOCALIZED).
  - 5) ALL ANCHOR RODS SHALL BE F1554 GRADE 50. COST OF ANCHOR RODS TO BE PAID FOR UNDER ITEM 556.0202.



**NEW STIFFENER ANGLE**  
SECTION C-C/ SECTION D-D  
N.T.S.



**SECTION B-B**  
N.T.S.

ALTERED ON: \_\_\_\_\_ AFFIXED ON: 10/18/2025

SIGNATURE: \_\_\_\_\_ STAMP: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_ STAMP: \_\_\_\_\_

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

**NEW YORK STATE Thruway Authority**

**Foitt Albert ASSOCIATES**

TITLE OF PROJECT: I-87 BRIDGE REHABILITATION OVER SMITH CLOVE ROAD (MP 47.04)

LOCATION OF PROJECT: VILLAGE OF WOODBURY, ORANGE COUNTY, NY 1214279

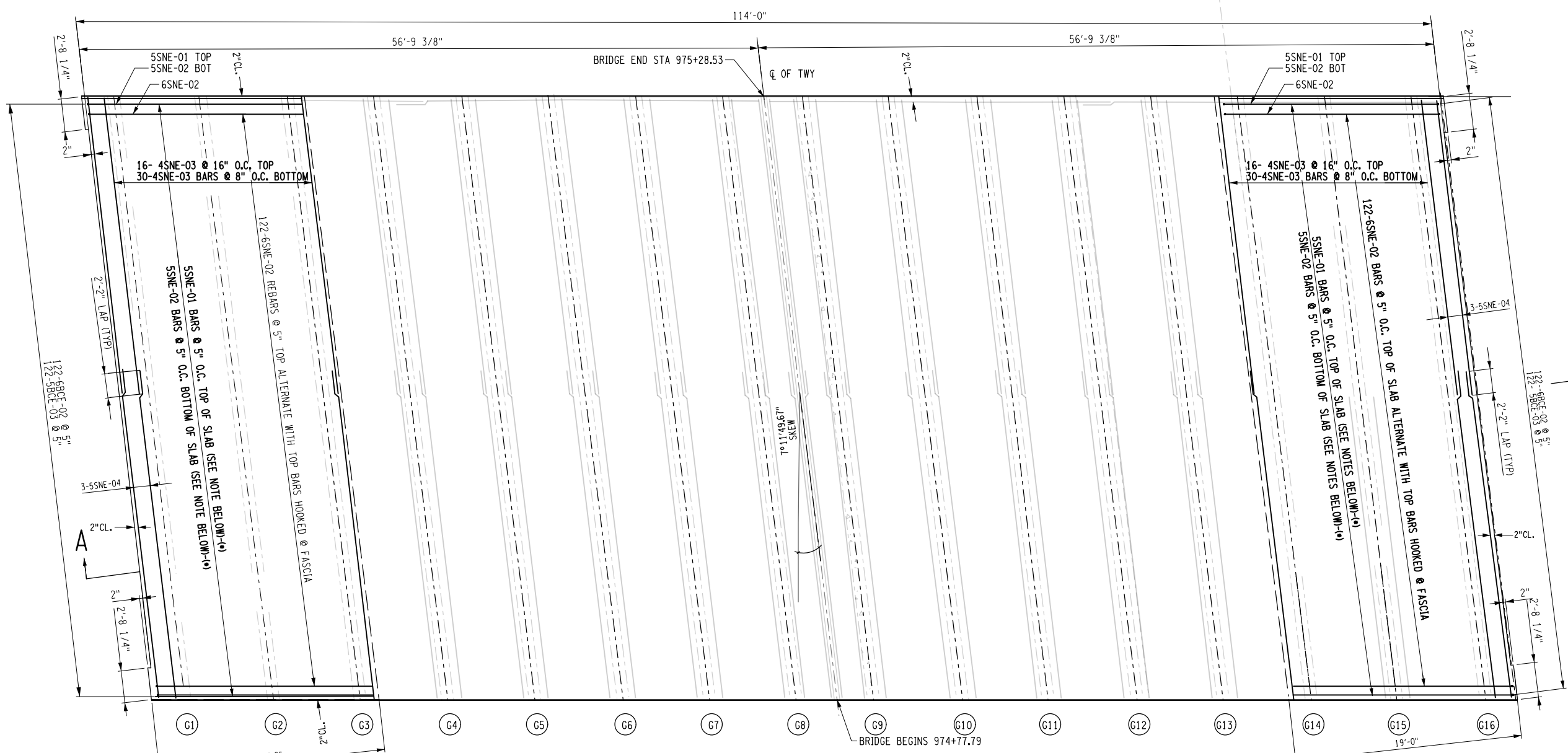
TITLE OF DRAWING: PROPOSED STEEL REPAIR DETAIL-2

CONTRACT NUMBER: TANY 26-17B

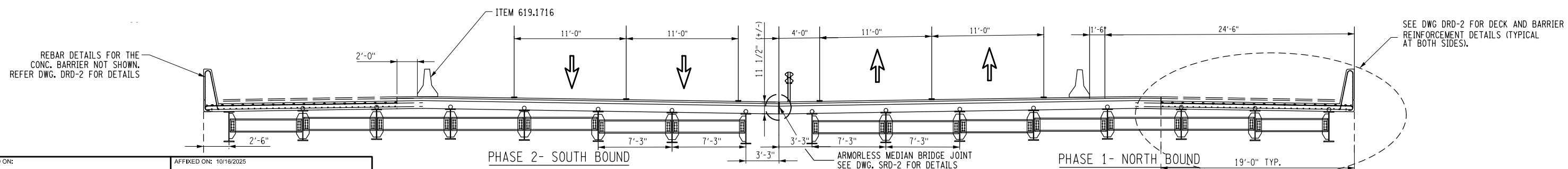
DATE: 05/21/2025

DRAWING NUMBER: SRD-2

DESIGNED BY: M. COX  
CHECKED BY: M. SCHICK  
DRAFTED BY: M. COX  
CHECKED BY: M. SCHICK  
DESIGNED BY: M. COX  
CHECKED BY: M. SCHICK  
DRAFTED BY: M. COX  
CHECKED BY: M. SCHICK



PROPOSED RECONSTRUCTION OF DECK OVERHANG REINFORCEMENT-PLAN

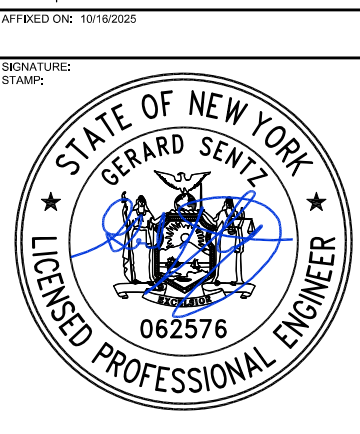


**NOTES**

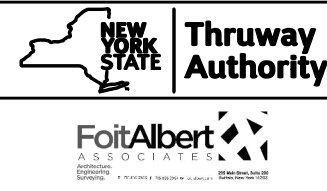
- REFER TO THE DETAIL ABOVE AND DWG. DRD-2 FOR SPLICE/ LAP LENGTHS FOR CONNECTING NEW TRANSVERSE REINFORCEMENT TO THE EXISTING REINFORCEMENT.
- NO LAP FOR LONGITUDINAL REINFORCEMENT

SECTION A-A

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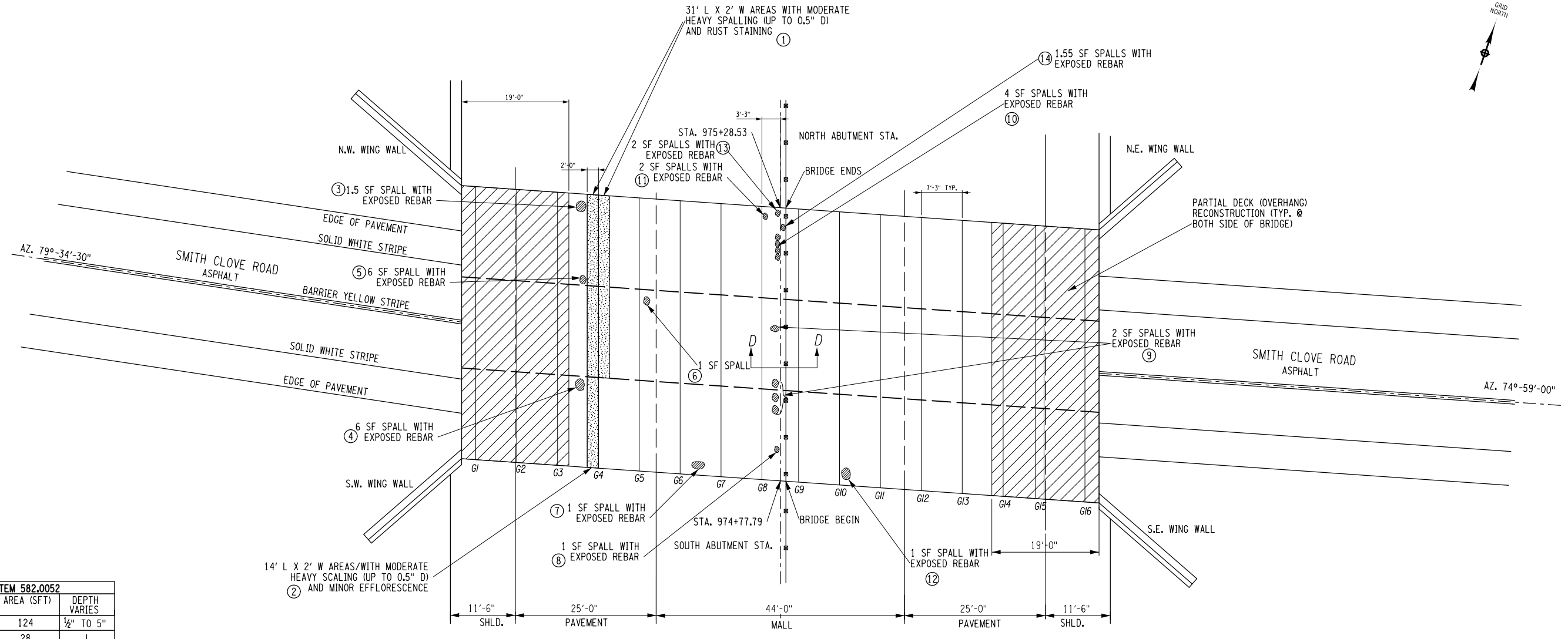


TITLE OF PROJECT 1-87 BRIDGE REHABILITATION OVER SMITH CLOVE ROAD (MP 47.04)	CONTRACT NUMBER: TANY 26-17B
LOCATION OF PROJECT VILLAGE OF WOODBURY ORANGE COUNTY BIN 5514279	DATE: 05/21/2025
TITLE OF DRAWING SLAB REINFORCEMENT DETAILS	DRAWING NUMBER: DRD-1



THIS SHEET SUPERSEDES NO. 162

DESIGNED BY: M. COX  
CHECKED BY: M. SCHICK  
DRAFTED BY: M. COX  
CHECKED BY: M. SCHICK  
DESIGNED BY: M. COX  
CHECKED BY: M. SCHICK



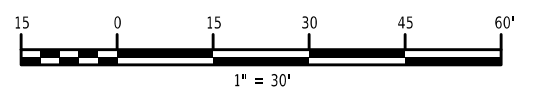
UNDERSIDE OF DECK SKETCH  
N.T.S.

ITEM 582.0052		
AREA LOCATION	AREA (SFT)	DEPTH VARIES
1	124	1/2" TO 5"
2	28	
3	1.5	
4	6.0	
5	6.0	
6	1.0	
7	1.0	
8	1.0	
9	8.0	
10	4.0	
11	2.0	
12	1.0	
13	2.0	
14	1.5	
TOTAL =	187.00	

**LEGEND**

- SPALLED CONCRETE WITH EXPOSED BOTTOM MAT REINFORCING STEEL, LOCATED UNDERNEATH THE SLAB
- COMPLETELY EXPOSED BOTTOM MAT REINFORCING STEEL WITH CONCRETE DEEP HOLES.

- NOTES:**
- ONCE THE OVERHANG PORTIONS OF DECK IS COMPLETED, MILL THE EXISTING ASPHALT FOR THE REMAINING PORTION OF CONCRETE DECK AND REPAIR ALL DETERIORATED CONCRETE AREAS AS SHOWN ON THIS DRAWING. DETAILS OF CONCRETE DECK REPAIR IS SHOWN ON DWG. CRD-1.
  - FOR "SECTION D-D" REFER DRAWING DRD-2 FOR LONGITUDINAL BRIDGE SLAB JOINT DETAIL AND ITEM.
  - REFER TO NOTES 39-43 ON DRAWING GN-1 FOR CONCRETE REPAIRS.



ALTERED ON: \_\_\_\_\_ AFFIXED ON: 10/18/2025

SIGNATURE: \_\_\_\_\_ STAMP: \_\_\_\_\_

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IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

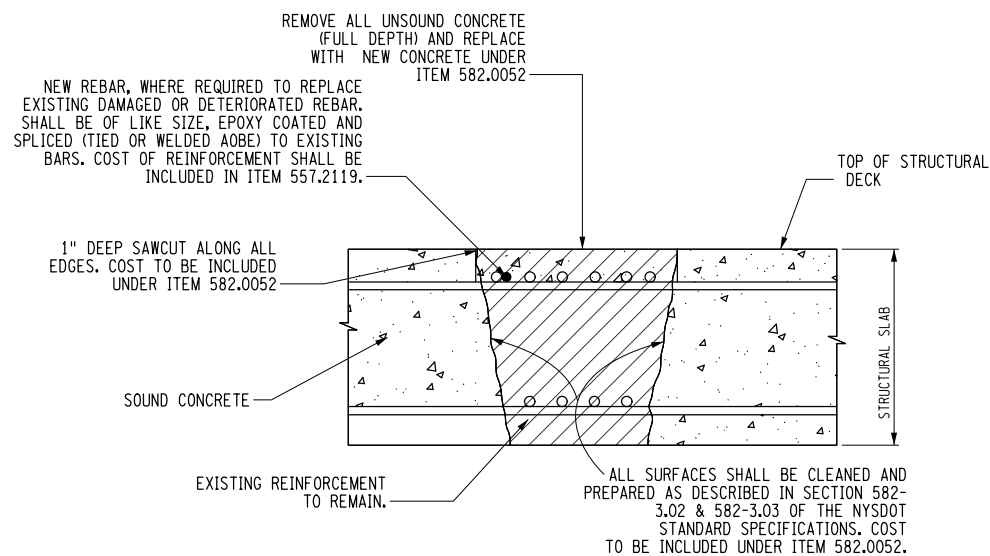
**NEW YORK STATE Thruway Authority**

**Foit Albert ASSOCIATES**

TITLE OF PROJECT I-87 BRIDGE REHABILITATION OVER SMITH CLOVE ROAD (MP 47.04)	CONTRACT NUMBER: TANY 26-17B
LOCATION OF PROJECT VILLAGE OF WOODBURY ORANGE COUNTY BIN 5514279	DATE: 05/21/2025
TITLE OF DRAWING CONCRETE REPAIR AREAS	DRAWING NUMBER: CRA-1

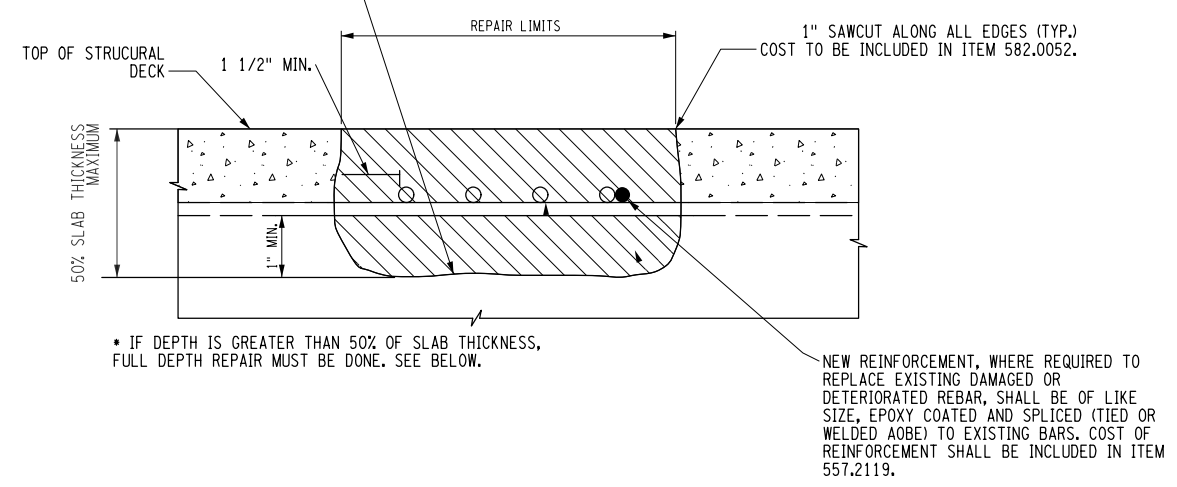
THIS SHEET SUPERSEDES NO. 163

M. COX  
 CHECKED BY:  
 M. SCHICK  
 DRAFTED BY:  
 M. COX  
 CHECKED BY:  
 M. SCHICK  
 DESIGNED BY:  
 M. COX  
 DESIGN SUPERVISOR:



**FULL DEPTH REMOVAL OF STRUCTURAL SLAB AND REPLACEMENT WITH (MISC. LOCATIONS, FORMWORK REQUIRED) DETAIL**  
N.T.S.

ALL SURFACES SHALL BE CLEANED AND PREPARED AS DESCRIBED IN SECTION 582-3.02 & 582-3.03 OF THE NYS DOT STANDARD SPECIFICATIONS. COST TO BE INCLUDED UNDER ITEM 582.0052.



**PARTIAL DEPTH REMOVAL OF STRUCTURAL SLAB AND REPLACEMENT WITH CONCRETE, PERFORMANCE DETAIL**  
N.T.S.

ITEM 582.0051 REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE								
LOCATION	LOCATION	PEDESTAL	LENGTH (IN)	WIDTH (IN)	DEPTH (IN)	LENGTH (IN)	WIDTH (IN)	DEPTH (IN)
BEGIN	PEDESTAL REPAIR ABUTMENT	PEDESTAL-7	24"	7"	4"	-	-	-
		PEDESTAL-8	36"	10"	4"	-	-	-
		PEDESTAL-10	48" (*)	12"	2"	-	-	-
		PEDESTAL-11	48" (*)	8"	2"	-	-	-
		PEDESTAL-12	48" (*)	6" (*)	5"	-	-	-
			LEFT SIDE			RIGHT SIDE		
END	PEDESTAL REPAIR ABUTMENT	PEDESTAL-1	17"	14"	3"	13"	15"	2"
		PEDESTAL-2	12"	36"	2"	12"	6" (*)	2"
		PEDESTAL-7	9"	48" (*)	3"	18"	6" (*)	2"
		PEDESTAL-9	48" (*)	24" (*)	2"	-	-	-
		PEDESTAL-12	8"	7"	6" (*)	11"	24" (*)	6" (*)
		PEDESTAL-15	48" (*)	24" (*)	5"	48" (*)	24" (*)	5"
PEDESTAL-16	48" (*)	24" (*)	5"	48" (*)	24" (*)	5"		

ALTERED ON: \_\_\_\_\_ AFFIXED ON: 10/18/2025

SIGNATURE: \_\_\_\_\_ STAMP: \_\_\_\_\_

REFER TO DRAWING SFP-1 FOR PEDESTAL REPAIR LOCATIONS  
(\*)- DIMENSIONS ASSUMED (CONTRACTOR TO VERIFY IN FIELD)

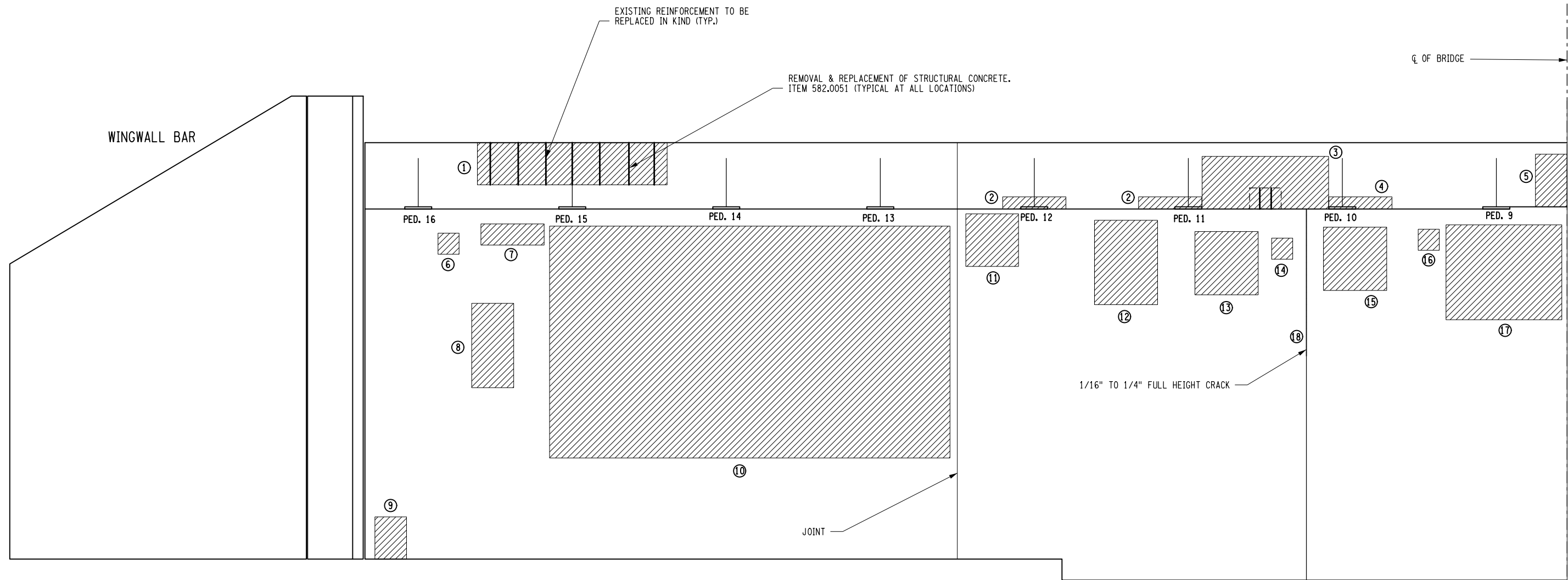
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT: I-87 BRIDGE REHABILITATION OVER SMITH CLOVE ROAD (MP 47.04)	CONTRACT NUMBER: TANY 26-17B
LOCATION OF PROJECT: VILLAGE OF WOODBURY ORANGE COUNTY BIN 5514279	DATE: 05/21/2025
TITLE OF DRAWING: CONCRETE REPAIR DETAILS	DRAWING NUMBER: CRD-1

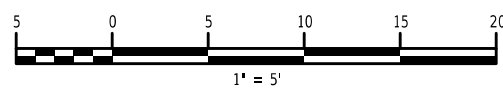
THIS SHEET SUPERSEDES NO. 164

DESIGNED BY: M. COX  
CHECKED BY: M. SCHICK  
DRAFTED BY: M. COX  
CHECKED BY: M. SCHICK  
DESIGNED BY: M. COX  
CHECKED BY: M. SCHICK  
DRAFTED BY: M. COX  
CHECKED BY: M. SCHICK



ITEM 582.0051

**BEGIN ABUTMENT ELEVATION VIEW: SOUTH/EAST SIDE**



SPALL DAMAGE TABLE	
SPALL #	SPALL DESCRIPTION
1	9' L X 2' H X 4" D SPALL. 7 EXPOSED VERTICAL REBAR W/15% SL
2	3' L X 7" H X 1" D
3	6' L X 2.5' H WITH 1.5' L X 1' H X 3" D SPALL. 2 EXPOSED VERTICAL REBAR W/10% SL
4	3' L X 7" H X 1" D
5	ESTIMATED 1.5' L X 2.5' H X 1" D
6	1 SF
7	3' L X 1' H
8	2' L X 4' H
9	1.5' L X 2' H
10	19' L X 11' H W/TWO 1" D SPALLS
11	2.5' L X 2.5' H
12	3' L X 4' H W/1" D SPALL
13	3' L X 3' H W/1" D SPALL
14	1 SF X 1" D
15	3' L X 3' H W/1.5" D SPALL
16	1 SF X 1" D
17	5.5' L X 4.5' H WITH TWO 2" D SPALLS
18	FULL HEIGHT CRACK, 1/16" TO 1/4" WIDE

ALTERED ON:	AFFIXED ON: 10/18/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

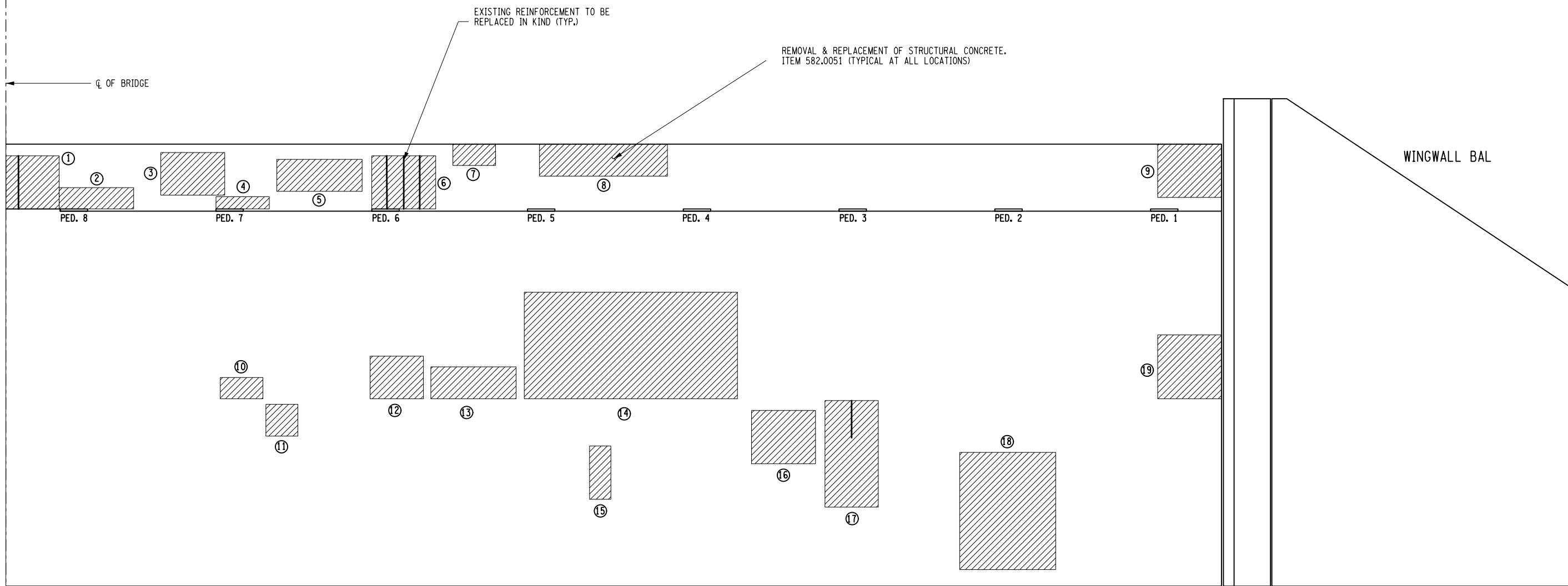
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

	TITLE OF PROJECT 1-87 BRIDGE REHABILITATION OVER SMITH CLOVE ROAD (MP 47.04)	CONTRACT NUMBER: TANY 26-17B
	LOCATION OF PROJECT VILLAGE OF WOODBURY ORANGE COUNTY BIN 5514279	DATE: 05/21/2025
	TITLE OF DRAWING BEGIN ABUTMENT ELEVATION (SHEET 1 OF 2)	DRAWING NUMBER: BA-1

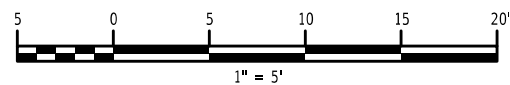
THIS SHEET SUPERSEDES NO. 165

DESIGNED BY: M. COX  
CHECKED BY: M. SCHICK  
DRAFTED BY: M. COX  
CHECKED BY: M. SCHICK  
DESIGNED BY: M. COX  
CHECKED BY: M. SCHICK  
DRAFTED BY: M. COX  
CHECKED BY: M. SCHICK  
DESIGNED BY: M. COX  
CHECKED BY: M. SCHICK



BEGIN ABUTMENT ELEVATION VIEW: SOUTH WEST SIDE

SPALL DAMAGE TABLE	
SPALL #	SPALL DESCRIPTION
1	ESTIMATED 2.5' L X 2.5' H X 1.5" D. 1 EXPOSED VERTICAL REBAR W/5% SL
2	3.5' L X 1" H X 5" D
3	ESTIMATED 3' L X 2' H, W/SCALING UP TO 1" D
4	2.5' L X 7" H X 4" D
5	4' L X 1.5' H
6	ESTIMATED 3' L X 2.5' H X 2" D, 3 EXPOSED VERTICAL REBAR W/20% SL
7	ESTIMATED 2' L X 1' H X 5" D
8	ESTIMATED 6' L X 1.5' H X 10" D
9	ESTIMATED 3' L X 2.5' H
10	2' L X 1' H
11	1.5' L X 1.5' H
12	2.5' L X 2' H
13	4' L X 1.5' H
14	10' L X 5' H
15	1' L X 2.5' H
16	3' L X 2.5' H
17	2.5' L X 5' H WITH 3" DEEP SPALL
18	4.5' L X 5.5' H
19	3' L X 3' H



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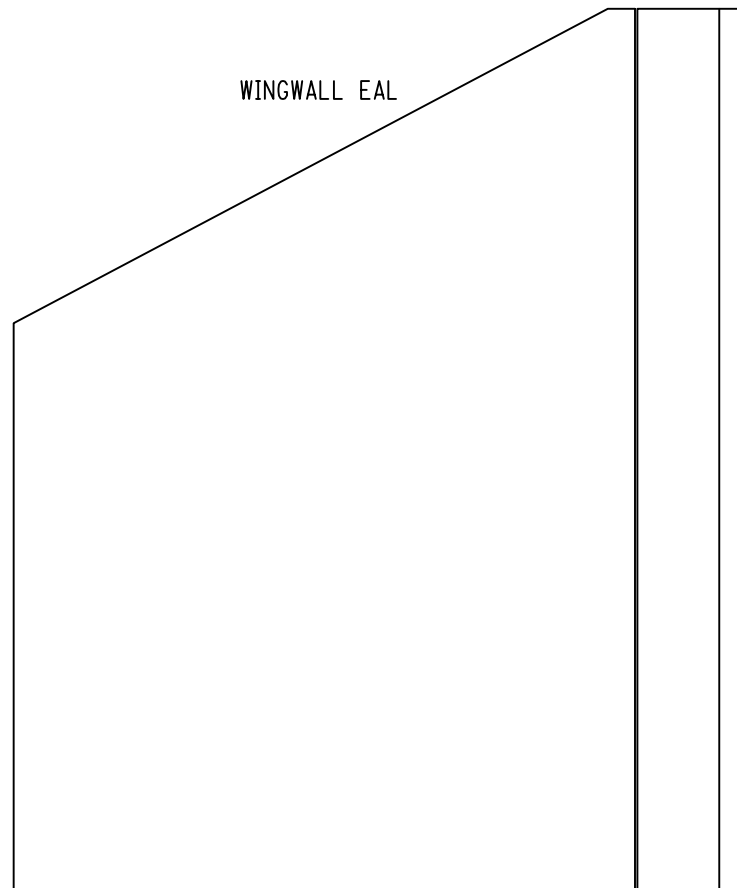
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

	TITLE OF PROJECT 1-87 BRIDGE REHABILITATION OVER SMITH CLOVE ROAD (MP 47.04)	CONTRACT NUMBER: TANY 26-17B
	LOCATION OF PROJECT VILLAGE OF WOODBURY ORANGE COUNTY BIN 5514279	DATE: 05/21/2025
	TITLE OF DRAWING BEGIN ABUTMENT ELEVATION (SHEET 2 OF 2)	DRAWING NUMBER: BA-2

THIS SHEET SUPERSEDES NO. 166

166A2  
180

DESIGN SUPERVISOR: M. COX  
CHECKED BY: M. SCHICK  
DRAFTED BY: M. COX  
CHECKED BY: M. SCHICK  
DESIGNED BY: M. COX  
CHECKED BY: M. SCHICK



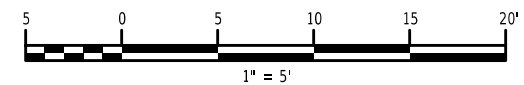
EXISTING REINFORCEMENT TO BE REPLACED IN KIND (TYP.)

REMOVAL & REPLACEMENT OF STRUCTURAL CONCRETE. ITEM 582.0051 (TYPICAL AT ALL LOCATIONS)

CL OF BRIDGE

END ABUTMENT ELEVATION VIEW: NORTH WEST SIDE

SPALL DAMAGE TABLE	
SPALL #	SPALL DESCRIPTION
1	ESTIMATED 15' L X 2.5' H W/9' L X 2.5' H X 2" D SPALL WITH 3 EXPOSED REBAR W/15%SL
2	1 SF EACH X 0.5" DEEP
3	ESTIMATED 2.5' L X 2.5' H X 1" D
4	ESTIMATED 1' L X 1.5' H X 1" D
5	ESTIMATED 1' L X 7" H X 3" D AND ON TOP SURFACE
6	4.5' L X 1' H W/1' L X 1.5' H X 2" D SPALL
7	4' L X 6' H
8	6' L X 5' H
9	2' L X 2' H
10	5' H X 1/16" W CRACK
11	4' L X 5.5' H
12	10' L X 8' H W/TWO 1SF X 1" DEEP SPALLS
13	3' L X 3' H
14	10' L X 7' H W/1' L X 3' H X 1" D AND 1' L X 1.5' H X 1" D SPALLS
15	3' L X 7' H
16	3.5' L X 4' H W/TWO 1 SF SPALLS
17	5' L X 5.5' H W/1.5' L X 1' H X 1.5" D SPALL
18	2.5' L X 2.5' H W/2' L X 2' H X 2" DEEP SPALL AND 1 SF X 1" D
19	2' L X 7' H X 7" D SPALL, 2 VERTICAL REBAR EXPOSED W/25% SL



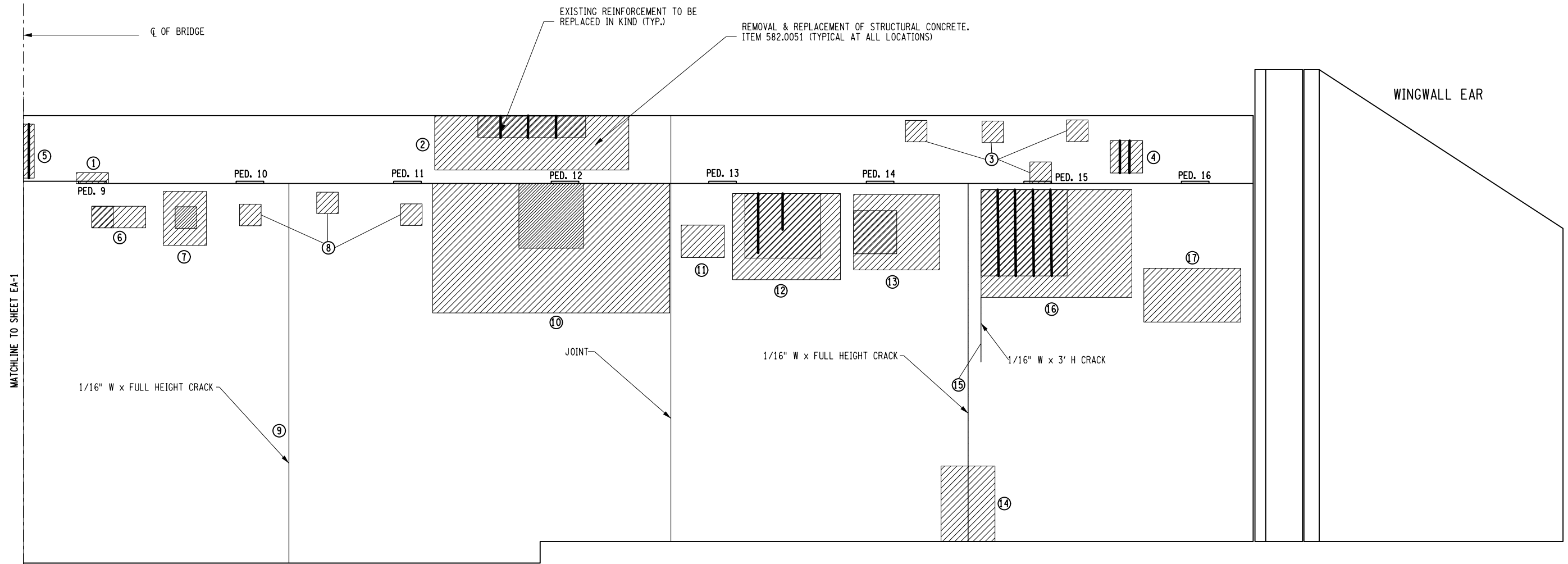
ALTERED ON:	AFFIXED ON: 10/18/2025
SIGNATURE: M. COX	SIGNATURE: GERARD SENTZ 062576 LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

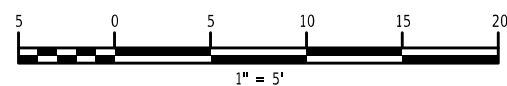
	TITLE OF PROJECT 1-87 BRIDGE REHABILITATION OVER SMITH CLOVE ROAD (MP 47.04)	CONTRACT NUMBER: TANY 26-17B
	LOCATION OF PROJECT VILLAGE OF WOODBURY ORANGE COUNTY BIN 5514279	DATE: 05/21/2025
	TITLE OF DRAWING END ABUTMENT ELEVATION (SHEET 1 OF 2)	DRAWING NUMBER: EA-1

M. COX  
 CHECKED BY:  
 M. SCHICK  
 DRAFTED BY:  
 M. COX  
 CHECKED BY:  
 M. SCHICK  
 DESIGNED BY:  
 M. COX  
 DESIGN SUPERVISOR:



END ABUTMENT ELEVATION VIEW: NORTH EAST SIDE

SPALL DAMAGE TABLE	
SPALL #	SPALL DESCRIPTION
1	1.5' L X 6" H X 2" D W/1 EXPOSED REBAR W/5% SL. FRONT FACE OF BEARING UNDERMINED 1/2"
2	ESTIMATED 9' L X 2.5' H W/5' L X 1' H X 2" D SPALL WITH 3 EXPOSED REBAR W/15% SL
3	1 SF EACH X 1" DEEP
4	ESTIMATED 1.5' L X 1.5' H X 2" D SPALL. 2 EXPOSED REBAR W/5% SL
5	6" L X 2.5" H X 2" D W/1 EXPOSED REBAR W/5% SL
6	2.5' L X 1' H W/1 SF X 1" D SPALL
7	2' L X 2.5' H W/1 SF X 1" D SPALL
8	1 SF EACH
9	FULL HEIGHT CRACK, EACH 1/16" WIDE
10	11' L X 6' H W/3' L X 3' H X 4" D SPALL ALONG TOP EDGE
11	2' L X 1.5' H
12	5' L X 4' H W/3.5' L X 3' H X 2" D SPALL. 3 VERTICAL REBAR EXPOSED W/5% SL
13	4' L X 3.5' H W/4 SF X 1" D SPALL
14	2.5' L X 3.5' H
15	FULL HEIGHT AND 3' L CRACKS, EACH 1/16" WIDE
16	7' L X 5' H W/4' L X 4' H X 2" D SPALL. 4 VERTICAL REBAR ESPOSED W/15% SL
17	4.5' L X 2.5' H



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

	TITLE OF PROJECT 1-87 BRIDGE REHABILITATION OVER SMITH CLOVE ROAD (MP 47.04)	CONTRACT NUMBER: TANY 26-17B
	LOCATION OF PROJECT VILLAGE OF WOODBURY ORANGE COUNTY BIN 5514279	DATE: 05/21/2025
	TITLE OF DRAWING END ABUTMENT ELEVATION (SHEET 2 OF 2)	DRAWING NUMBER: EA-2