

Client: Thruway Job No.: ALB-2300017.05
 Calculated By: J. Landry Date: 7/6/2026
 Checked By: J. Adamczak Date: 9/28/2026

ITEM NO.	206.01	ITEM NAME: STRUCTURE EXCAVATION	UNIT: CY
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Calculations:

LENGTH WIDTH DEPTH

Total	0.67	CY
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SAY 1 CY

Estimated Quantity:	1	CY
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QUANTITY WORKUPS

ITEM NO. 210.481201 ITEM NAME: REMOVAL AND DISPOSAL OF MISCELLANEOUS ACM (BV14) UNIT: SF

Drawing / Detail References: _____

Calculations:

SUBSTRUCTURE REPAIRS TABLE - BEGIN ABUTMENT				
LOCATION	APPROX. WIDTH (FT)	APPROX. HEIGHT/WIDTH 2 (FT)	AREA (SF)	
1	3.00	1.00	3.0	
2	3.00	1.00	3.0	
3	3.00	1.00	3.0	
4	2.00	1.00	2.0	BA SAY
5	2.00	2.00	4.0	15.0 15.0

SUBSTRUCTURE REPAIRS TABLE - PIER 1 BEGIN FACE					SUBSTRUCTURE REPAIRS TABLE - PIER 1 END FACE				
LOCATION	APPROX. WIDTH (FT)	APPROX. HEIGHT/WIDTH 2 (FT)	AREA (SF)		LOCATION	APPROX. WIDTH (FT)	APPROX. HEIGHT/WIDTH 2 (FT)	AREA (SF)	
1	1.00	4.00	4.0		1	12.00	3.00	36.0	
2	4.00	1.00	4.0		2	2.00	1.00	2.0	
3	10.00	5.00	50.0		3	5.00	3.00	15.0	
4	3.00	5.00	15.0		4	5.00	3.00	15.0	
5	5.00	5.00	25.0		5	3.00	3.00	9.0	
6	15.00	4.00	60.0		6	12.00	3.00	36.0	
7	11.50	1.50	17.3		7	3.00	8.00	24.0	
					8	12.00	3.00	36.0	
					9	3.00	2.00	6.0	
					10	3.00	3.00	9.0	
					11	3.00	8.00	24.0	
					12	2.00	6.00	12.0	
					13	3.00	3.00	9.0	P1 SAY
					14	3.00	6.00	18.0	426.3 430.0

Project: **Route 9W Bridge Rehabilitation**Client: **Thruway**Job No.: **ALB-2300017.05**Calculated By: **J. Landry**Date: **7/6/2026**Checked By: **J. Adamczak**Date: **9/28/2026****QUANTITY WORKUPS**ITEM NO. **210.481201**ITEM NAME: **REMOVAL AND DISPOSAL OF MISCELLANEOUS ACM (BV14)**UNIT: **SF**

Drawing / Detail References: _____

Calculations:

SUBSTRUCTURE REPAIRS TABLE - PIER 2 BEGIN FACE				SUBSTRUCTURE REPAIRS TABLE - PIER 2 END FACE			
LOCATION	APPROX. WIDTH (FT)	APPROX. HEIGHT/WIDTH 2 (FT)	AREA (SF)	LOCATION	APPROX. WIDTH (FT)	APPROX. HEIGHT/WIDTH 2 (FT)	AREA (SF)
1	3.00	1.00	3.0	1	10.00	2.00	20.0
2	2.00	4.00	8.0	2	2.00	1.00	2.0
3	15.00	1.00	15.0	3	4.00	3.00	12.0
4	3.00	10.00	30.0	4	10.00	3.00	30.0
5	11.00	2.00	22.0	5	3.00	9.00	27.0
6	3.00	1.00	3.0	6	3.00	1.00	3.0
7	3.00	2.00	6.0	7	4.00	1.50	6.0
8	3.00	3.00	9.0	8	4.00	2.00	8.0
9	3.00	1.00	3.0	9	1.00	4.00	4.0
10	4.00	1.00	4.0	10	2.00	2.00	4.0
11	4.00	3.00	12.0	11	2.00	1.00	2.0
12	15.00	3.00	45.0	P2 SAY			
13	5.00	6.00	30.0	308.0 310.0			

SUBSTRUCTURE REPAIRS TABLE - PIER 3 BEGIN FACE				SUBSTRUCTURE REPAIRS TABLE - PIER 3 END FACE			
LOCATION	APPROX. WIDTH (FT)	APPROX. HEIGHT/WIDTH 2 (FT)	AREA (SF)	LOCATION	APPROX. WIDTH (FT)	APPROX. HEIGHT/WIDTH 2 (FT)	AREA (SF)
1	7.00	3.00	21.0	1	4.00	5.00	20.0
2	2.00	2.00	4.0	2	13.00	5.00	65.0
3	4.00	2.00	8.0	3	5.00	1.50	7.5
4	3.00	3.00	9.0	4	12.00	3.00	36.0
5	6.00	2.00	12.0	5	4.00	8.00	32.0
6	3.00	1.00	3.0	6	22.50	4.00	90.0
7	3.00	3.00	9.0	7	12.00	2.00	24.0
8	6.00	4.00	24.0	P3 SAY			
				364.5 365.0			

SUBSTRUCTURE REPAIRS TABLE - END ABUTMENT							
LOCATION	APPROX. WIDTH (FT)	APPROX. HEIGHT/WIDTH 2 (FT)	AREA (SF)				
1	3.00	1.00	3.0	EA SAY			
				3 5.0			

Total 1125 SF

Contingency (10%) 125 SF

SAY 1250 SF

SHEET 2 OF 2

Estimated Quantity:

1250 SF

Job No.: ALB-2300017.05

Date: 8/13/2026

Date: 9/28/2026

QUANTITY WORKUPS

ITEM NO. 555.0021	ITEM NAME: REMOVAL OF STRUCTURAL CONCRETE	UNIT: CY
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Drawing / Detail References: _____

Calculations:

JOINTS: *values measured in CADD -- drawings are to scale

	LENGTH				WIDTH				DEPTH				VOLUME			
BA	86.65	FT	x		1	FT	x		0.3333	FT	=	28.88	CF	=	1.07	CY
P1	86.65	FT	x		2.8333	FT	x		1.25	FT	=	306.89	CF	=	11.37	CY
P2	86.65	FT	x		2.8333	FT	x		1.25	FT	=	306.89	CF	=	11.37	CY
P3	86.65	FT	x		2.8333	FT	x		1.25	FT	=	306.89	CF	=	11.37	CY
EA	86.65	FT	x		1	FT	x		0.3333	FT	=	28.88	CF	=	1.07	CY
															36.24	CY TOTAL JOINTS

Total	36.24	CY
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SAY 37 CY

SHEET 1 OF 1

Estimated Quantity:

37

CY

Job No.: ALB-2300017.05
Date: 7/9/2026
Date: 10/14/2026

ITEM NO.	556.0202	ITEM NAME: EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES	UNIT: LB
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Calculations:

joint rebar calculated in bar list				=	1471.00	LB	
Rebar for Deck, Fascia, Abut & Pier Conc Repairs:	55.00	CY	x	50	LB/CY	=	2750 LB

	Total	4,221.00	LB
	SAY	4,300	LB

Estimated Quantity:	4300	LB
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Project: **Route 9W Bridge Rehabilitation**
 Client: **Thruway** Job No.: **ALB-2300017.05**
 Calculated By: **J. Landry** Date: **2/2/2026**
 Checked By: **R. Myers** Date: **10/14/2026**

QUANTITY WORKUPS

ITEM NO. **559.03** ITEM NAME: **PROTECTIVE SEALING OF EXISTING STRUCTURAL CONCRETE AND EXISTING** UNIT: **SF**

Drawing / Detail References: _____

Calculations:

		LENGTH		WIDTH			
1	x	309.36	FT	x	58.54	FT	= 18110.5 SF top of superstructure slab
2	x	309.36	FT	x	1.54	FT	= 952.83 SF fascias
2	x	309.36	FT	x	1.50	FT	= 928.08 SF underside of overhangs
							19991.4 SF superstructure

		HEIGHT		WIDTH			
7.00	FT	x	83.00	FT	=	581.0	SF begin abutment
4.47	FT	x	21.84	FT	=	97.5	SF begin abutment left ww
4.57	FT	x	20.09	FT	=	91.7	SF begin abutment right ww
11.00	FT	x	50.40	FT	=	554.4	SF pier 1 legs
18.00	FT	x	84.34	FT	=	1518.1	SF pier 1 cap
12.50	FT	x	50.40	FT	=	630.0	SF pier 2 legs
18.00	FT	x	84.34	FT	=	1518.1	SF pier 2 cap
14.00	FT	x	50.40	FT	=	705.6	SF pier 3 legs
18.00	FT	x	84.34	FT	=	1518.1	SF pier 3 cap
9.00	FT	x	83.00	FT	=	747.0	SF end abutment
4.54	FT	x	19.44	FT	=	88.2	SF end abutment left ww
4.92	FT	x	27.84	FT	=	137.0	SF end abutment right ww
							8186.7 SF substructures

		LENGTH		WIDTH			
17.25	FT	x	80.25	FT	=	1384.3	SF begin approach slab
17.25	FT	x	80.25	FT	=	1384.3	SF end approach slab
							2768.6 SF approach slabs

Total 30,946.70 SF

TOTAL = 30946.7 SF superstructure + substructures + approaches **SAY 30,950 SF**

SHEET 1 OF 1

Estimated Quantity: **31000 SF**

Project: **Route 9W Bridge Rehabilitation**Client: **Thruway**Job No.: **ALB-2300017.05**Calculated By: **J. Landry**Date: **1/28/2026**Checked By: **R. Myers**Date: **8/25/2026****QUANTITY WORKUPS**ITEM NO. **564.510001**ITEM NAME: **STRUCTURAL STEEL**UNIT: **LB**

Drawing / Detail References: _____

Calculations:

Location 1:

(A) 6x6x1/2 angle @ 3 ft ht * 3 req'd =
 @19.6 lbs / ft = 176.40 lbs

(B) 1/2" Plate @ 30" high x 22" long =
 @ 2 req'd + 12.75x12x5/8 bent pl = 214.27 lbs

Location 2:

(A) 6x6x1/2 angle @ 3 ft ht * 3 req'd =
 @19.6 lbs / ft = 176.40 lbs

(B) 1/2" Plate @ 30" high x 58" long =
 @ 2 req'd + 12.75x12x5/8 bent pl = 520.52 lbs

Location 3:

(A) 6x6x1/2 angle @ 3 ft ht * 4 req'd =
 @19.6 lbs / ft = 235.20 lbs

(B) 1/2" Plate @ 30" high x 22" long =
 @ 2 req'd + 2 EA 12.75x12x5/8 bent pl = 241.38 lbs

Location 4:

(A) 6x6x1/2 angle @ 3 ft ht * 4 req'd =
 @19.6 lbs / ft = 235.20 lbs

(B) 1/2" Plate @ 30" high x 22" long =
 @ 2 req'd + (2) 12.75x12x5/8 bent pl + 9.25x12x5/8 bent p = 261.06 lbs

Location 5:

(A) 6x6x1/2 angle @ 3 ft ht * 4 req'd =
 @19.6 lbs / ft = 235.20 lbs

TOTAL ALL LOCATIONS: 3202.56 lbs

(B) 1/2" Plate @ 30" high x 22" long =
 @ 2 req'd + (2) 12.75x12x5/8 bent pl + 9.25x12x5/8 bent p = 261.06 lbs

add 10% for bolts: 3522.82 lbs

Location 6:

(A) 6x6x1/2 angle @ 3 ft ht * 3 req'd =
 @19.6 lbs / ft = 176.40 lbs

Total 3522.82

(B) 1/2" Plate @ 30" high x 52" long =
 @ 2 req'd + 12.75x12x5/8 bent pl = 469.48 lbs

SAY 4000.00

SHEET 1 OF 1

Estimated Quantity:

4000**LB**

Project: **Route 9W Bridge Rehabilitation**
Client: Thruway Job No.: ALB-2300017.05
Calculated By: J. Landry Date: 1/28/2026
Checked By: J. Adamczak Date: 9/28/2026

QUANTITY WORKUPS

ITEM NO. **565.2023** ITEM NAME: **TYPE E.B. FIXED BEARING (112 TO 168 KIPS)** UNIT: **EA**

Drawing / Detail References: _____

Calculations:

FIXED

8 EA SP1 BA

8 EA SP2 P2

8 EA SP3 P2

8 EA SP4 EA

32 TOTAL

Subtotal 32.00 EA

Add 5% 0.00 EA

Total 32.00 EA

SAY 32 EA

SHEET 1 OF 1

Estimated Quantity:

32

EA

Project: **Route 9W Bridge Rehabilitation**
Client: Thruway Job No.: ALB-2300017.05
Calculated By: J. Landry Date: 1/28/2026
Checked By: J. Adamczak Date: 9/28/2026

QUANTITY WORKUPS

ITEM NO. **565.2033** ITEM NAME: **TYPE E.B. EXPANSION BEARING (112 TO 168 KIPS)** UNIT: **EA**

Drawing / Detail References: _____

Calculations:

EXPANSION

8 EA SP1 P1

8 EA SP2 P1

8 EA SP3 P3

8 EA SP4 P3

32 TOTAL

Subtotal 32.00 EA

Add 5% 0.00 EA

Total 32.00 EA

SAY 32 EA

SHEET 1 OF 1

Estimated Quantity:

32

EA

Project: **Route 9W Bridge Rehabilitation**
 Client: Thruway Job No.: ALB-2300017.05
 Calculated By: J. Landry Date: 1/28/2026
 Checked By: R. Myers Date: 3/17/2026

QUANTITY WORKUPS

ITEM NO. **567.63** ITEM NAME: **BRIDGE JOINT SEAL** UNIT: **LF**

Drawing / Detail References: _____

Calculations:

87 FT begin abutment

87 FT pier 1

87 FT pier 2

87 FT pier 3

87 FT end abutment

Subtotal 433.23 LF

Add 5% 21.66 LF

Total 454.89 LF

SAY 455 LF

SHEET 1 OF 1

Estimated Quantity: **455 LF**

Project: **Route 9W Bridge Rehabilitation**
Client: Thruway Job No.: ALB-2300017.05
Calculated By: J. Landry Date: 1/28/2026
Checked By: R. Myers Date: 3/17/2026

QUANTITY WORKUPS

ITEM NO. **571.04** ITEM NAME: **DISPOSAL OF PAINT WASTE** UNIT: **LB**

Drawing / Detail References: _____

Calculations:

ASSUME **10** LB OF COAL SLAG ABRASIVE USED PER SQUARE FOOT

ASSUME **35%** OF ABRASIVE USED IS DISPOSED AS WASTE

ASSUME **3.5** LB OF COAL SLAG ABRASIVE USED PER SQUARE FOOT

REMOVING **700** SQUARE FEET OF PAINTED SURFACES

EQUALS **2,450** LB OF ABRASIVE TO DISPOSE

SAY **2,450** **LB**

SHEET 1 OF 1

Estimated Quantity: **2450** **LB**

Project: **Route 9W Bridge Rehabilitation**
 Client: **Thruway** Job No.: **ALB-2300017.05**
 Calculated By: **J. Landry** Date: **1/28/2026**
 Checked By: **R. Myers** Date: **10/14/2026**

QUANTITY WORKUPS

ITEM NO. 574.030001 ITEM NAME: STRUCTURAL STEEL PAINTING: LOCALIZED UNIT: SF

Drawing / Detail References: _____

Calculations:

	Piece	Length (ft)	Perimeter (ft)	SF	
Location 1	Girder	5.00	9.00	45.00	
	Angles	3.00	1.04	9.36	(3 EA)
	Bent Plate	1.00	2.23	2.23	
	Diaphragm	3.00	4.33	12.99	
Location 2	Girder	8.00	10.00	80.00	
	Angles	3.00	1.04	9.36	(3 EA)
	Bent Plate	1.00	2.23	2.23	
	Diaphragm	3.00	4.33	12.99	
Location 3	Girders	5.00	10.00	50.00	
	Angles	3.00	1.04	12.48	(4 EA)
	Bent Plate	1.00	2.23	6.69	(3 EA)
	Diaphragm	12.00	4.33	51.96	
Location 4	Girders	5.00	10.00	50.00	
	Angles	3.00	1.04	12.48	(4 EA)
	Bent Plate	1.00	2.23	6.69	(3 EA)
	Diaphragm	12.00	4.33	51.96	
Location 5	Girders	5.00	10.00	50.00	
	Angles	3.00	1.04	12.48	(4 EA)
	Bent Plate	1.00	2.23	6.69	(3 EA)
	Diaphragm	12.00	4.33	51.96	
Location 6	Girder	8.00	10.00	80.00	
	Angles	3.00	1.04	9.36	(3 EA)
	Bent Plate	1.00	2.23	2.23	
	Diaphragm	3.00	4.33	12.99	
Total				642.13	
				Total	642.13 SF
				SAY	700 SF

SHEET 1 OF 1

Estimated Quantity:

700

SF

Date: 9/28/2026

QUANTITY WORKUPS

ITEM NO.	580.01	ITEM NAME: REMOVAL OF STRUCTURAL CONCRETE	UNIT: CY
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Drawing / Detail References: _____

Calculations:

JOINTS: *values measured in CADD -- drawings are to scale

	LENGTH				WIDTH				DEPTH				VOLUME			
BA	86.65	FT	x		1	FT	x		0.3333	FT	=	28.88	CF	=	1.07	CY
P1	86.65	FT	x		2.8333	FT	x		1.25	FT	=	306.89	CF	=	11.37	CY
P2	86.65	FT	x		2.8333	FT	x		1.25	FT	=	306.89	CF	=	11.37	CY
P3	86.65	FT	x		2.8333	FT	x		1.25	FT	=	306.89	CF	=	11.37	CY
EA	86.65	FT	x		1	FT	x		0.3333	FT	=	28.88	CF	=	1.07	CY
															36.24	CY TOTAL JOINTS

PEDESTALS: *pedestal volumes were calculated in "Pedestal Replacement Elev & Vol Tables" excel sheet

BA	0.37	CY
P1	0.00	CY
P2	0.00	CY
P3	0.00	CY
EA	0.37	CY
	0.74	CY TOTAL PEDESTALS

Total	36.98	CY
SAY	37	CY

SHEET 1 OF 1

Estimated Quantity:	37	CY
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Job No.: ALB-2300017.05

Date: 6/30/2026Date: 10/14/2026

QUANTITY WORKUPS

ITEM NO. 582.0051	ITEM NAME: REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE	UNIT: CY
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Drawing / Detail References: _____

Calculations:

FULL DEPTH DECK REPAIR AREAS:

LENGTH WIDTH

3.00 FT x 4.67 FT x 0.96 FT = 13.45 CF = 0.50 CY location 1

7.00 FT x 7.00 FT x 0.96 FT = 47.04 CF = 1.74 CY location 2

4.00 FT x 4.00 FT x 0.96 FT = 15.36 CF = 0.57 CY location 3

6.50 FT x 5.50 FT x 0.96 FT = 34.32 CF = 1.27 CY location 4

7.00 FT x 20.50 FT x 0.96 FT = 137.76 CF = 5.10 CY location 5

9.18 CY TOTAL FULL DEPTH DECK

Total	9.18	CY
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Sheet Total:	SAY	10	CY
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SHEET 1 OF 5

Estimated Quantity:

CY

Project: Route 9W Bridge Rehabilitation
 Client: Thruway Job No.: ALB-2300017.05
 Calculated By: J. Landry Date: 6/30/2026
 Checked By: R. Myers Date: 10/14/2026

QUANTITY WORKUPS

ITEM NO. 582.0051 ITEM NAME: REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE UNIT: CY

Drawing / Detail References: _____

Calculations:

FASCIA PARTIAL DEPTH REPAIRS:

LENGTH		WIDTH		DEPTH							
126.83	FT	x	5.00	FT	x	0.50	FT	=	317.1	CF	= 11.7 CY left fascia repair
148.83	FT	x	5.00	FT	x	0.50	FT	=	372.1	CF	= 13.8 CY right fascia repair
										25.5	CY total superstructure areas

ABUTMENT AREAS:

HEIGHT		WIDTH		DEPTH							
1.00	FT	x	3.00	FT	x	0.25	FT	=	0.8	CF	= 0.03 CY BA loc 1
1.00	FT	x	3.00	FT	x	0.25	FT	=	0.8	CF	= 0.03 CY BA loc 2
1.00	FT	x	3.00	FT	x	0.25	FT	=	0.8	CF	= 0.03 CY BA loc 3
1.00	FT	x	2.00	FT	x	0.25	FT	=	0.5	CF	= 0.02 CY BA loc 4
2.00	FT	x	2.00	FT	x	0.25	FT	=	1.0	CF	= 0.04 CY BA loc 5
1.00	FT	x	3.00	FT	x	0.25	FT	=	0.8	CF	= 0.03 CY EA loc 1
										0.17	CY total abutments

Total 25.69 CY

Sheet Total: SAY 30 CY

SHEET 2 OF 5

Estimated Quantity: CY

Project: Route 9W Bridge RehabilitationClient: ThruwayJob No.: ALB-2300017.05Calculated By: J. LandryDate: 6/30/2026Checked By: R. MyersDate: 10/14/2026**QUANTITY WORKUPS**ITEM NO. **582.0051**ITEM NAME: **REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE**UNIT: **CY**

Drawing / Detail References: _____

Calculations:

PIER 1:

HEIGHT			WIDTH			DEPTH						
4.00	FT	x	1.00	FT	x	0.25	FT	=	1.0	CF	=	0.04
												CY P1 beg face loc 1
1.00	FT	x	4.00	FT	x	0.25	FT	=	1.0	CF	=	0.04
												CY P1 beg face loc 2
5.00	FT	x	10.00	FT	x	0.25	FT	=	12.5	CF	=	0.46
												CY P1 beg face loc 3
5.00	FT	x	3.00	FT	x	0.25	FT	=	3.8	CF	=	0.14
												CY P1 beg face loc 4
5.00	FT	x	5.00	FT	x	0.25	FT	=	6.3	CF	=	0.23
												CY P1 beg face loc 5
4.00	FT	x	15.00	FT	x	0.25	FT	=	15.0	CF	=	0.56
												CY P1 beg face loc 6
1.50	FT	x	11.50	FT	x	0.25	FT	=	4.3	CF	=	0.16
												CY P1 beg face loc 7
3.00	FT	x	12.00	FT	x	0.25	FT	=	9.0	CF	=	0.33
												CY P1 end face loc 1
1.00	FT	x	2.00	FT	x	0.25	FT	=	0.5	CF	=	0.02
												CY P1 end face loc 2
3.00	FT	x	5.00	FT	x	0.25	FT	=	3.8	CF	=	0.14
												CY P1 end face loc 3
3.00	FT	x	5.00	FT	x	0.25	FT	=	3.8	CF	=	0.14
												CY P1 end face loc 4
3.00	FT	x	3.00	FT	x	0.25	FT	=	2.3	CF	=	0.08
												CY P1 end face loc 5
3.00	FT	x	12.00	FT	x	0.25	FT	=	9.0	CF	=	0.33
												CY P1 end face loc 6
8.00	FT	x	3.00	FT	x	0.25	FT	=	6.0	CF	=	0.22
												CY P1 end face loc 7
3.00	FT	x	12.00	FT	x	0.25	FT	=	9.0	CF	=	0.33
												CY P1 end face loc 8
2.00	FT	x	3.00	FT	x	0.25	FT	=	1.5	CF	=	0.06
												CY P1 end face loc 9
3.00	FT	x	3.00	FT	x	0.25	FT	=	2.3	CF	=	0.08
												CY P1 end face loc 10
8.00	FT	x	3.00	FT	x	0.25	FT	=	6.0	CF	=	0.22
												CY P1 end face loc 11
6.00	FT	x	2.00	FT	x	0.25	FT	=	3.0	CF	=	0.11
												CY P1 end face loc 12
3.00	FT	x	3.00	FT	x	0.25	FT	=	2.3	CF	=	0.08
												CY P1 end face loc 13
6.00	FT	x	3.00	FT	x	0.25	FT	=	4.5	CF	=	0.17
												CY P1 end face loc 14
											3.95	CY TOTAL PIER 1

Total 3.95 CY

Sheet Total: SAY 5 CY

SHEET 3 OF 5

Estimated Quantity:

CY

Project: Route 9W Bridge RehabilitationClient: ThruwayJob No.: ALB-2300017.05Calculated By: J. LandryDate: 6/30/2026Checked By: R. MyersDate: 10/14/2026**QUANTITY WORKUPS**

ITEM NO. 582.0051

ITEM NAME: REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE

UNIT: CY

Drawing / Detail References: _____

Calculations:

PIER 2:

HEIGHT		WIDTH		DEPTH								
1.00	FT	x	3.00	FT	x	0.25	FT	=	0.8	CF	=	0.03 CY P2 beg face loc 1
4.00	FT	x	2.00	FT	x	0.25	FT	=	2.0	CF	=	0.07 CY P2 beg face loc 2
1.00	FT	x	15.00	FT	x	0.25	FT	=	3.8	CF	=	0.14 CY P2 beg face loc 3
10.00	FT	x	3.00	FT	x	0.25	FT	=	7.5	CF	=	0.28 CY P2 beg face loc 4
2.00	FT	x	11.00	FT	x	0.25	FT	=	5.5	CF	=	0.20 CY P2 beg face loc 5
1.00	FT	x	3.00	FT	x	0.25	FT	=	0.8	CF	=	0.03 CY P2 beg face loc 6
2.00	FT	x	3.00	FT	x	0.25	FT	=	1.5	CF	=	0.06 CY P2 beg face loc 7
3.00	FT	x	3.00	FT	x	0.25	FT	=	2.3	CF	=	0.08 CY P2 beg face loc 8
1.00	FT	x	3.00	FT	x	0.25	FT	=	0.8	CF	=	0.03 CY P2 beg face loc 9
1.00	FT	x	4.00	FT	x	0.25	FT	=	1.0	CF	=	0.04 CY P2 beg face loc 10
3.00	FT	x	4.00	FT	x	0.25	FT	=	3.0	CF	=	0.11 CY P2 beg face loc 11
3.00	FT	x	15.00	FT	x	0.25	FT	=	11.3	CF	=	0.42 CY P2 beg face loc 12
6.00	FT	x	5.00	FT	x	0.25	FT	=	7.5	CF	=	0.28 CY P2 beg face loc 13
2.00	FT	x	10.00	FT	x	0.25	FT	=	5.0	CF	=	0.19 CY P2 end face loc 1
1.00	FT	x	2.00	FT	x	0.25	FT	=	0.5	CF	=	0.02 CY P2 end face loc 2
3.00	FT	x	4.00	FT	x	0.25	FT	=	3.0	CF	=	0.11 CY P2 end face loc 3
3.00	FT	x	10.00	FT	x	0.25	FT	=	7.5	CF	=	0.28 CY P2 end face loc 4
9.00	FT	x	3.00	FT	x	0.25	FT	=	6.8	CF	=	0.25 CY P2 end face loc 5
1.00	FT	x	3.00	FT	x	0.25	FT	=	0.8	CF	=	0.03 CY P2 end face loc 6
1.50	FT	x	4.00	FT	x	0.25	FT	=	1.5	CF	=	0.06 CY P2 end face loc 7
2.00	FT	x	4.00	FT	x	0.25	FT	=	2.0	CF	=	0.07 CY P2 end face loc 8
4.00	FT	x	1.00	FT	x	0.25	FT	=	1.0	CF	=	0.04 CY P2 end face loc 9
2.00	FT	x	2.00	FT	x	0.25	FT	=	1.0	CF	=	0.04 CY P2 end face loc 10
1.00	FT	x	2.00	FT	x	0.25	FT	=	0.5	CF	=	0.02 CY P2 end face loc 11
2.85 CY TOTAL PIER 2												

Total 2.85 CY

Sheet Total: SAY 5 CY

SHEET 4 OF 5

Estimated Quantity:

CY

Project: Route 9W Bridge Rehabilitation

Client: Thruway

Job No.: ALB-2300017.05

Calculated By: J. Landry

Date: 6/30/2026

Checked By: R. Myers

Date: 10/14/2026

QUANTITY WORKUPS

ITEM NO. 582.0051

ITEM NAME: REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE

UNIT: CY

Drawing / Detail References:

Calculations:

PIER 3:

HEIGHT		WIDTH		DEPTH							
3.00	FT	x	7.00	FT	x	0.25	FT	=	5.3	CF	= 0.19 CY P3 beg face loc 1
2.00	FT	x	2.00	FT	x	0.25	FT	=	1.0	CF	= 0.04 CY P3 beg face loc 2
2.00	FT	x	4.00	FT	x	0.25	FT	=	2.0	CF	= 0.07 CY P3 beg face loc 3
3.00	FT	x	3.00	FT	x	0.25	FT	=	2.3	CF	= 0.08 CY P3 beg face loc 4
2.00	FT	x	6.00	FT	x	0.25	FT	=	3.0	CF	= 0.11 CY P3 beg face loc 5
1.00	FT	x	3.00	FT	x	0.25	FT	=	0.8	CF	= 0.03 CY P3 beg face loc 6
3.00	FT	x	3.00	FT	x	0.25	FT	=	2.3	CF	= 0.08 CY P3 beg face loc 7
4.00	FT	x	6.00	FT	x	0.25	FT	=	6.0	CF	= 0.22 CY P3 beg face loc 8
5.00	FT	x	4.00	FT	x	0.25	FT	=	5.0	CF	= 0.19 CY P3 end face loc 1
5.00	FT	x	13.00	FT	x	0.25	FT	=	16.3	CF	= 0.60 CY P3 end face loc 2
1.50	FT	x	5.00	FT	x	0.25	FT	=	1.9	CF	= 0.07 CY P3 end face loc 3
3.00	FT	x	12.00	FT	x	0.25	FT	=	9.0	CF	= 0.33 CY P3 end face loc 4
8.00	FT	x	4.00	FT	x	0.25	FT	=	8.0	CF	= 0.30 CY P3 end face loc 5
4.00	FT	x	22.50	FT	x	0.25	FT	=	22.5	CF	= 0.83 CY P3 end face loc 6
2.00	FT	x	12.00	FT	x	0.25	FT	=	6.0	CF	= 0.22 CY P3 end face loc 7
										3.38	CY TOTAL PIER 3

Total 3.38 CY

Sheet Total: SAY 5 CY

SHEET 5 OF 5

Total Estimated Quantity:

55

CY

Project: **Route 9W Bridge Rehabilitation**
Client: Thruway Job No.: ALB-2300017.05
Calculated By: J. Landry Date: 1/28/2026
Checked By: J. Adamczak Date: 9/28/2026

QUANTITY WORKUPS

ITEM NO. 585.01 ITEM NAME: JACKING UNIT: EA

Drawing / Detail References: _____

Calculations:

8 EA SP1 BA

8 EA SP4 EA

16 TOTAL

Subtotal 16.00 EA

Add 5% 0.00 EA

Total 16.00 EA

SAY 16 EA

SHEET 1 OF 1

Estimated Quantity:

16

EA

Project: **Route 9W Bridge Rehabilitation**
Client: Thruway Job No.: ALB-2300017.05
Calculated By: J. Landry Date: 1/28/2026
Checked By: J. Adamczak Date: 9/28/2026

QUANTITY WORKUPS

ITEM NO. 585.02 ITEM NAME: JACKING UNIT: EA

Drawing / Detail References: _____

Calculations:

8 EA SP1 P1

8 EA SP2 P1

8 EA SP3 P3

8 EA SP4 P3

32 TOTAL

Subtotal 32.00 EA

Add 5% 0.00 EA

Total 32.00 EA

SAY 32 EA

SHEET 1 OF 1

Estimated Quantity:

32

EA

Project: **Route 9W Bridge Rehabilitation**
Client: Thruway Job No.: ALB-2300017.05
Calculated By: J. Landry Date: 1/28/2026
Checked By: J. Adamczak Date: 9/28/2026

QUANTITY WORKUPS

ITEM NO. 585.03 ITEM NAME: JACKING UNIT: EA

Drawing / Detail References: _____

Calculations:

8 EA SP1 BA

8 EA SP4 EA

16 TOTAL

Subtotal 16.00 EA

Add 5% 0.00 EA

Total 16.00 EA

SAY 16 EA

SHEET 1 OF 1

Estimated Quantity:

16

EA

Project: **Route 9W Bridge Rehabilitation**
 Client: Thruway Job No.: ALB-2300017.05
 Calculated By: J. Landry Date: 7/6/2026
 Checked By: R. Myers Date: 8/25/2026

QUANTITY WORKUPS

ITEM NO. 589.010001 ITEM NAME: REMOVAL OF EXISTING STEEL - ROUTE 9W UNIT: LB

Drawing / Detail References: _____

Calculations:

Location 1:

(A)7.7" X 34" conn. PI	=	
@ 1 Req'd	=	37.12 lbs
(B)5" X 34" stiffener	=	
@ 1 Req'd	=	24.10 lbs

Location 2:

(A)7.7" X 34" conn. PI	=	
@ 1 Req'd	=	37.12 lbs
(B)5" X 34" stiffener	=	
@ 1 Req'd	=	24.10 lbs

Location 3:

(A)7.7" X 36" conn. PI	=	
@ 2 Req'd	=	74.24 lbs

Location 4:

(A)7.7" X 36" conn. PI	=	
@ 2 Req'd	=	74.24 lbs

Location 5:

(A)7.7" X 36" conn. PI	=		
@ 2 Req'd	=	74.24 lbs	
		TOTAL ALL LOCATIONS:	406.38 lbs
		add 10% for bolts:	447.01 lbs

Location 6:

(A)7.7" X 36" conn. PI	=		
@ 1 Req'd	=	37.12 lbs	Total 447.01
(B)5" X 34" stiffener	=		SAY 500.00
@ 1 Req'd	=	24.10 lbs	

SHEET 1 OF 1

Estimated Quantity: **500 LB**

Project: **Route 9W Bridge Rehabilitation**
Client: Thruway Job No.: ALB-2300017.05
Calculated By: J. Landry Date: 7/6/2026
Checked By: R. Myers Date: 8/25/2026

QUANTITY WORKUPS

ITEM NO. 589.520001 ITEM NAME: REMOVAL OF EXISTING STEEL - ROUTE 9W BEARINGS UNIT: EA

Drawing / Detail References: _____

Calculations:

EXPANSION

8 EA SP1 P1

8 EA SP2 P1

8 EA SP3 P3

8 EA SP4 P3

32 TOTAL

FIXED

8 EA SP1 BA

8 EA SP2 P2

8 EA SP3 P2

8 EA SP4 EA

32 TOTAL

SHEET 1 OF 1

Estimated Quantity: **64 EA**

Project: **Route 9W Bridge Rehabilitation**
 Client: Thruway Job No.: ALB-2300017.05
 Calculated By: J. Landry Date: 1/28/2026
 Checked By: R. Myers Date: 3/17/2026

QUANTITY WORKUPS

ITEM NO. 606.53 ITEM NAME: RESETTING BOX BEAM GUIDE RAILING UNIT: LF

Drawing / Detail References: _____

Calculations:

Begin Abutment Left = 30 LF

Subtotal 30.00 LF

Add 10% 0.00 LF

Total 30.00 LF

SAY 30 LF

SHEET 1 OF 1

Estimated Quantity: **30 LF**

Project: **Route 9W Bridge Rehabilitation**
 Client: Thruway Job No.: ALB-2300017.05
 Calculated By: J. Landry Date: 1/28/2026
 Checked By: R. Myers Date: 3/17/2026

QUANTITY WORKUPS

ITEM NO. 606.57 ITEM NAME: RESETTING P/C CONCRETE BARRIER UNIT: LF

Drawing / Detail References: _____

Calculations:

SB LEFT SHOULDER = 20 LF

ONE 20 FOOT SECTION

AT PIER

Subtotal 20.00 LF

Add 10% 0.00 LF

Total 20.00 LF

SAY 20 LF

SHEET 1 OF 1

Estimated Quantity: **20 LF**

Project: **Route 9W Bridge Rehabilitation**
Client: Thruway Job No.: ALB-2300017.05
Calculated By: J. Landry Date: 1/28/2026
Checked By: R. Myers Date: 3/17/2026

QUANTITY WORKUPS

ITEM NO. 609.04 ITEM NAME: CAST-IN-PLACE CONCRETE CURB (AS DETAILED) UNIT: LF

Drawing / Detail References: _____

Calculations:

4 FT span 1 left

6 FT span 1 right

8 FT span 4 left

6 FT span 4 right

Subtotal 24.00 LF

Add 10% 2.40 LF

Total 26.40 LF

SAY 27 LF

SHEET 1 OF 1

Estimated Quantity: **27 LF**

Project: **Route 9W Bridge Rehabilitation**
 Client: Thruway Job No.: ALB-2300017.05
 Calculated By: J. Landry Date: 1/28/2026
 Checked By: J. Adamczak Date: 9/28/2026

QUANTITY WORKUPS

ITEM NO. 609.06000008 ITEM NAME: CURB REMOVAL UNIT: LF

Drawing / Detail References: _____

Calculations:

4 FT span 1 left
 6 FT span 1 right
 8 FT span 4 left
 6 FT span 4 right

Subtotal	24.00	LF
Add 10%	2.40	LF
Total	26.40	LF
SAY	27	LF

SHEET 1 OF 1

Estimated Quantity: **27 LF**