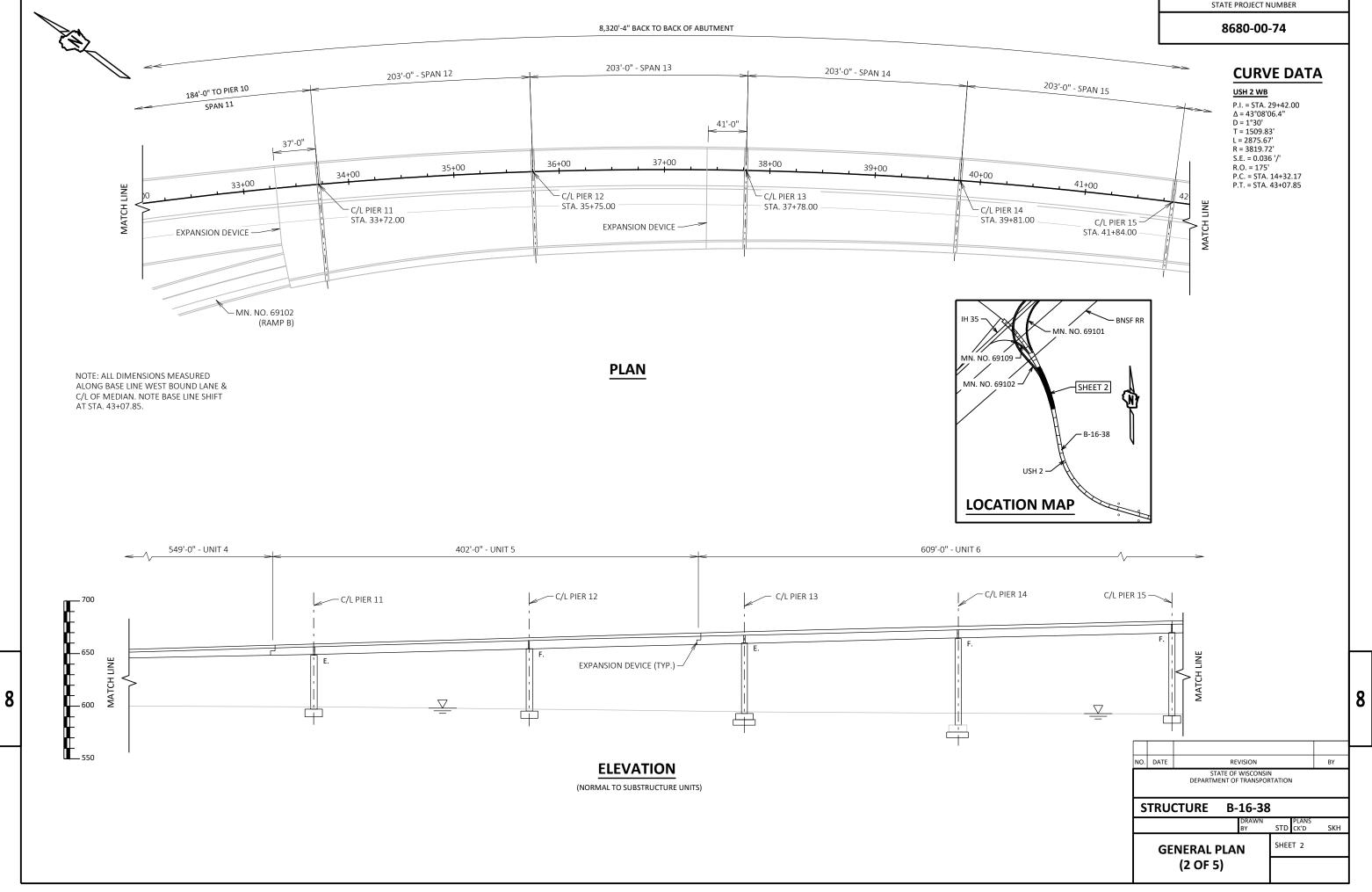
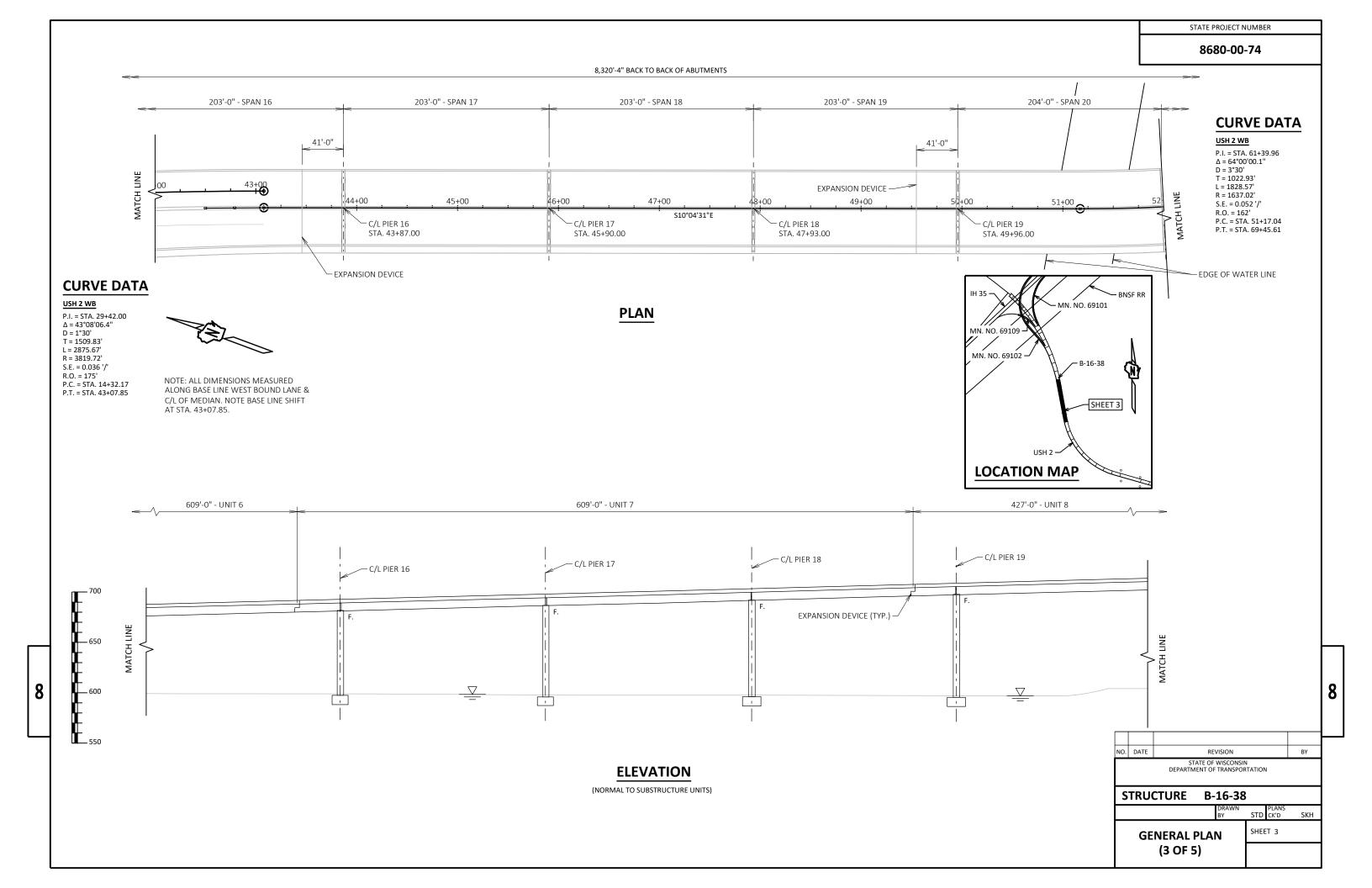


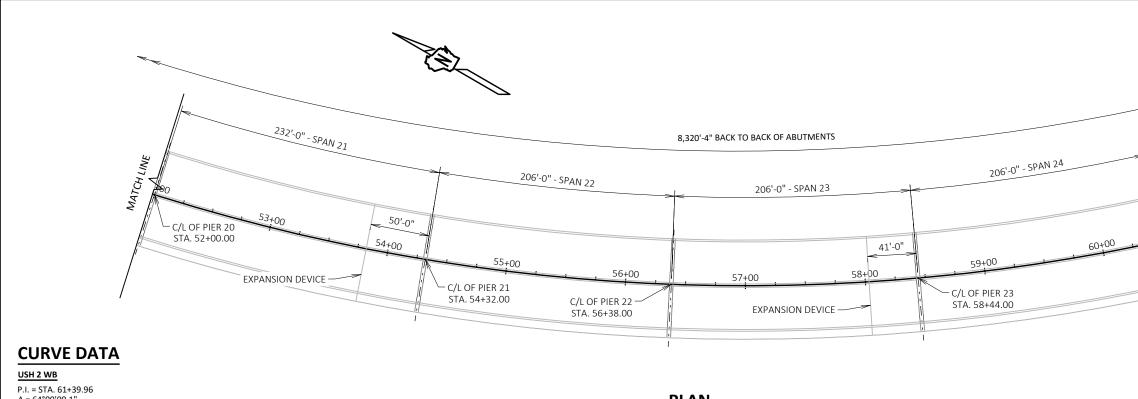
I.D.

DATE:



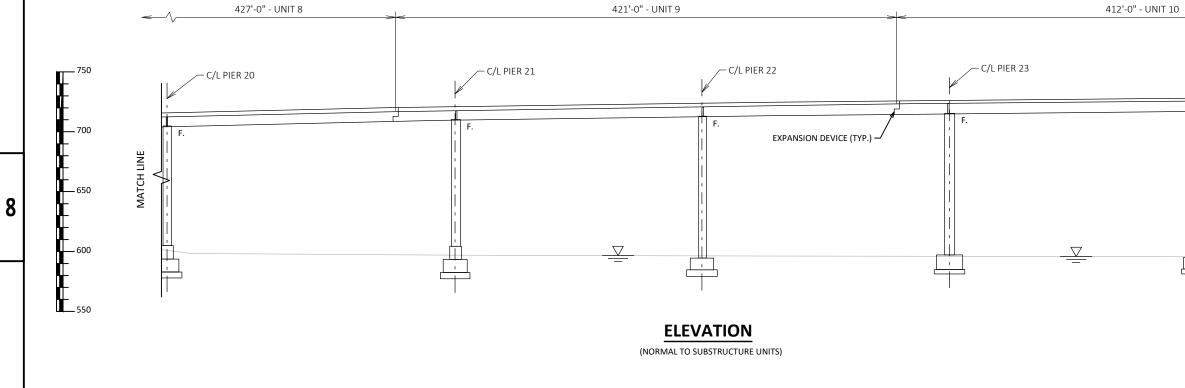


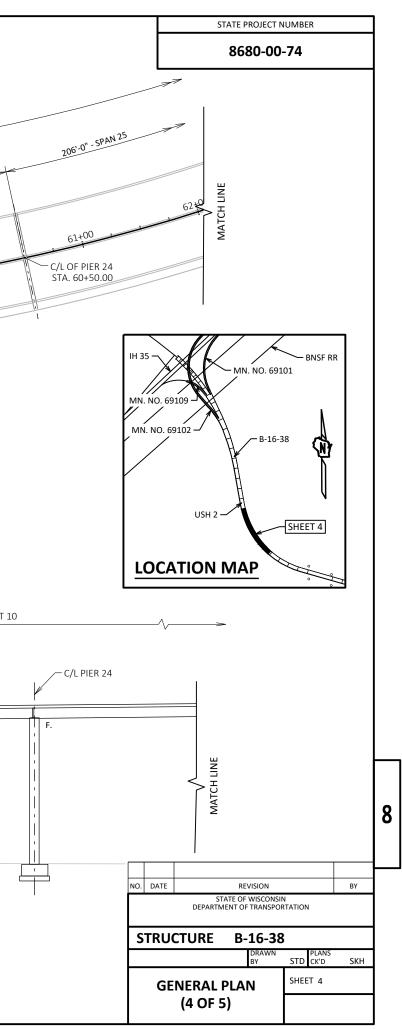


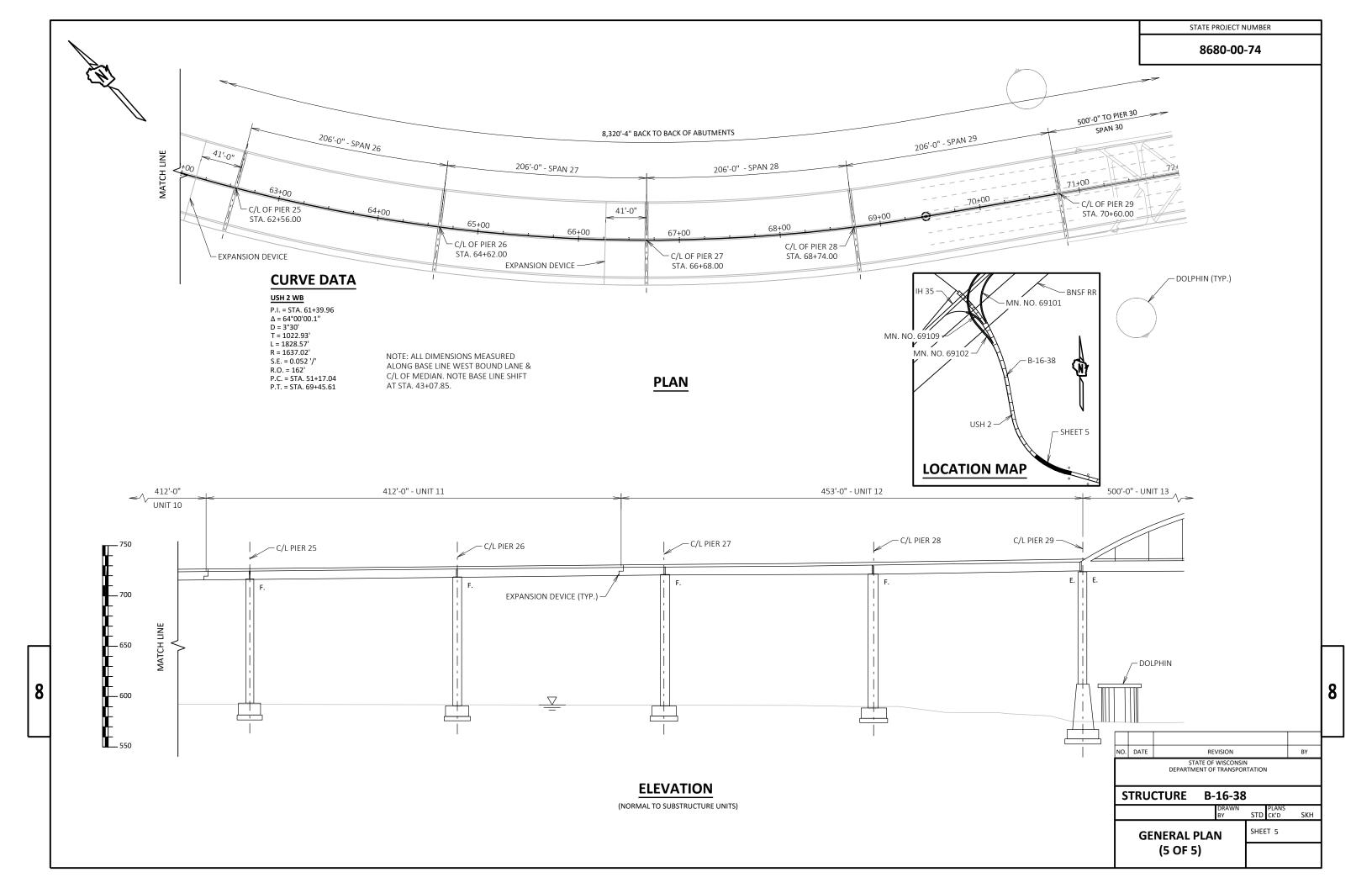


P.I. = STA. 61+39.96 A = 64'00'00.1" D = 3°30' T = 1022.93' L = 1828.57' R = 1637.02' S.E. = 0.052 '/' R.O. = 162' P.C. = STA. 51+17.04 P.T. = STA. 69+45.61

NOTE: ALL DIMENSIONS MEASURED ALONG BASE LINE WEST BOUND LANE & C/L OF MEDIAN. NOTE BASE LINE SHIFT AT STA. 43+07.85. PLAN







DESIGN DATA

LIVE LOAD:

TAKEN FROM HSI 8/22/2024 DESIGN LOADING: HS 20

UNIT	INVENTORY RATING	OPERATING RATING	WIS-SPV
3	24	40	190
4	29	48	190
5	37	61	190
6	29	48	190
7	25	42	190
8	53	88	190
9	59	98	190
10	47	78	190
11	47	78	190
12	51	85	190
13	28	47	250

MATERIAL PROPERTIES:

CONCRETE MASONRY: SUPERSTRUCTURE ————————————————————————————————————	f' _c = 4,000 PSI
BAR STEEL REINFORCEMENT GRADE 60	f _v = 60,000 PSI

TRAFFIC DATA

USH 2: AADT = 14,800 (2020) AADT = 16,130 (2044) R.D.S. = 55 MPH

GENERAL NOTES

OR NOTED.

NOTED.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE, TOP, AND BACKFACE OF THE PARAPETS.

JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M153 TYPE 1, 2, OR 3, OR AASHTO M213.

REMOVAL AND REPLACEMENT OF CONCRETE PARAPETS AND • EMBEDDED CONDUIT AND JUNCTION BOXES.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	UNIT 3	UNIT 4	UNIT 5	UNIT 6	UNIT 7	UNIT 8	UNIT 9	UNIT 10	UNIT 11	UNIT 12	UNIT 13	
203.0270	REMOVING STRUCTURE OVER WATERWAY DEBRIS CAPTURE B-16-38	EACH												ſ
502.0100	CONCRETE MASONRY BRIDGES	CY	8.5	6.6	4.4	13.6	13.6	9.1	9.3	8.5	8.5	8.6	4.8	ſ
502.3210	PIGMENTED SURFACE SEALER	SY	35.0	29.0	20.0	57.0	57.0	38.0	38.0	35.0	35.0	35.0	20.0	ſ
502.4205	ADHESIVE ANCHORS NO. 5 BAR	EACH	60	96	64	94	97	63	65	60	60	60	34	ſ
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LBS	670	1,090	740	1,050	1,070	700	720	670	670	670	380	ſ
531.8990	ANCHOR ASSEMBLIES POLES ON STRUCTURES	EACH	2	3	2	3	3	2	2	2	2	2	1	ſ
652.0310	CONDUIT RIGID NONMETALLIC SCHEDULE 80 1-INCH	LF	3	5	3	5	5	3	3	3	3	3	3	ſ
652.0320	CONDUIT RIGID NONMETALLIC SCHEDULE 80 1 1/2-INCH	LF	3	2					2					Ē
652.0325	CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH	LF	39	74	50	39	75	50	51	47	47	47	26	ſ
SPV.0060	JUNCTION BOXES 8X8X6-INCH	EACH		1					1					ſ
														ſ
	NON-BID ITEMS													1
	FILLER	SIZE		1"	1"									1

ALL ITEMS ARE INCLUDED IN CATEGORY 0030

STATE PROJECT NUMBER

8680-00-74

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE $\frac{3}{4}$ " OR MATCH EXISTING BEVELS, UNLESS OTHERWISE

ALL REMOVAL LINES SHALL BE DEFINED BY A 1/2-INCH SAWCUT.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF JOINT FILLER WITH NON-STAINING NON-ASPHALTIC JOINT SEALER (1-INCH DEEP AND HOLD ½" BELOW SURFACE OF THE CONCRETE). COLOR TO MATCH ADJACENT SURFACES.

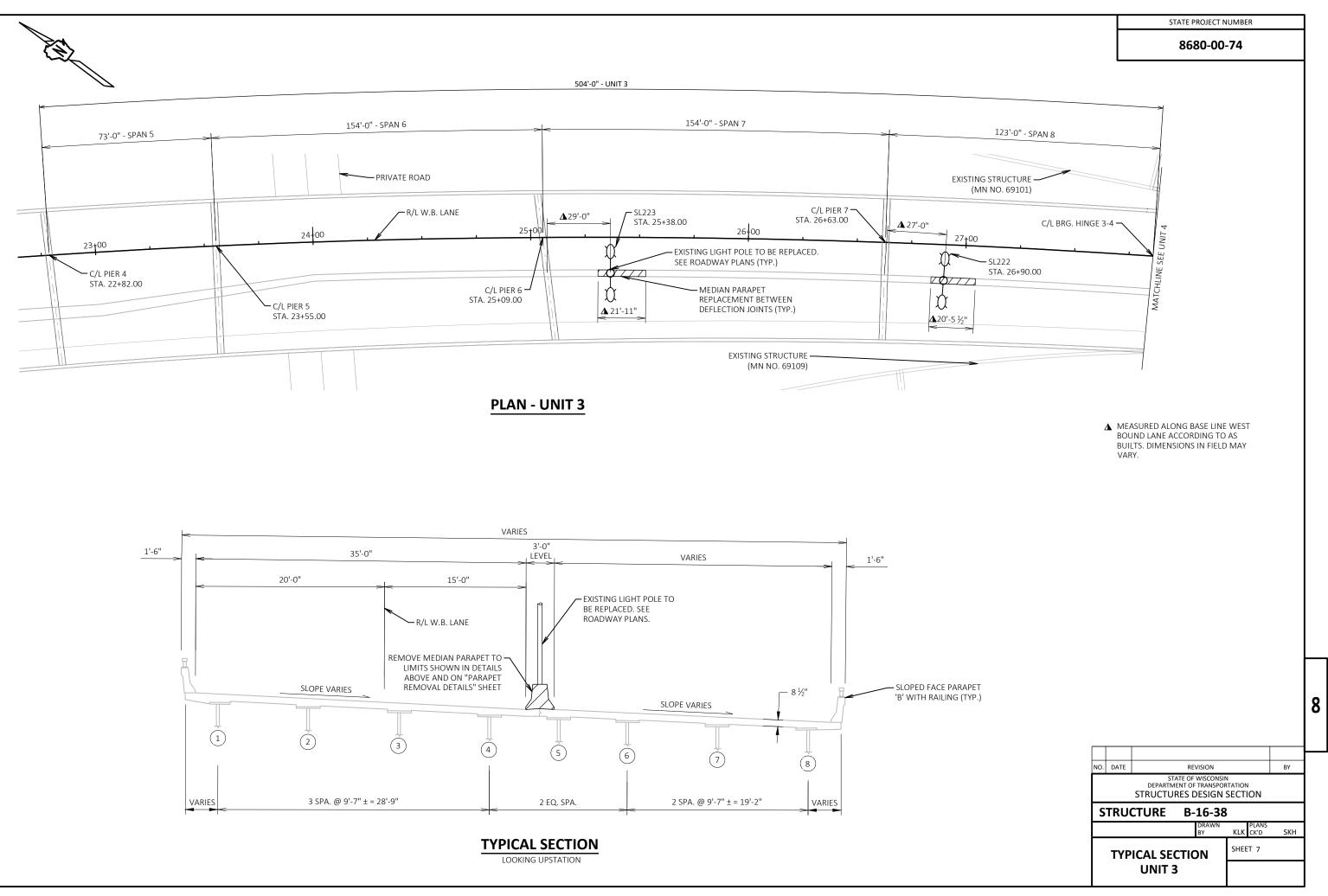
SEE ROADWAY PLANS FOR STAGING DETAILS.

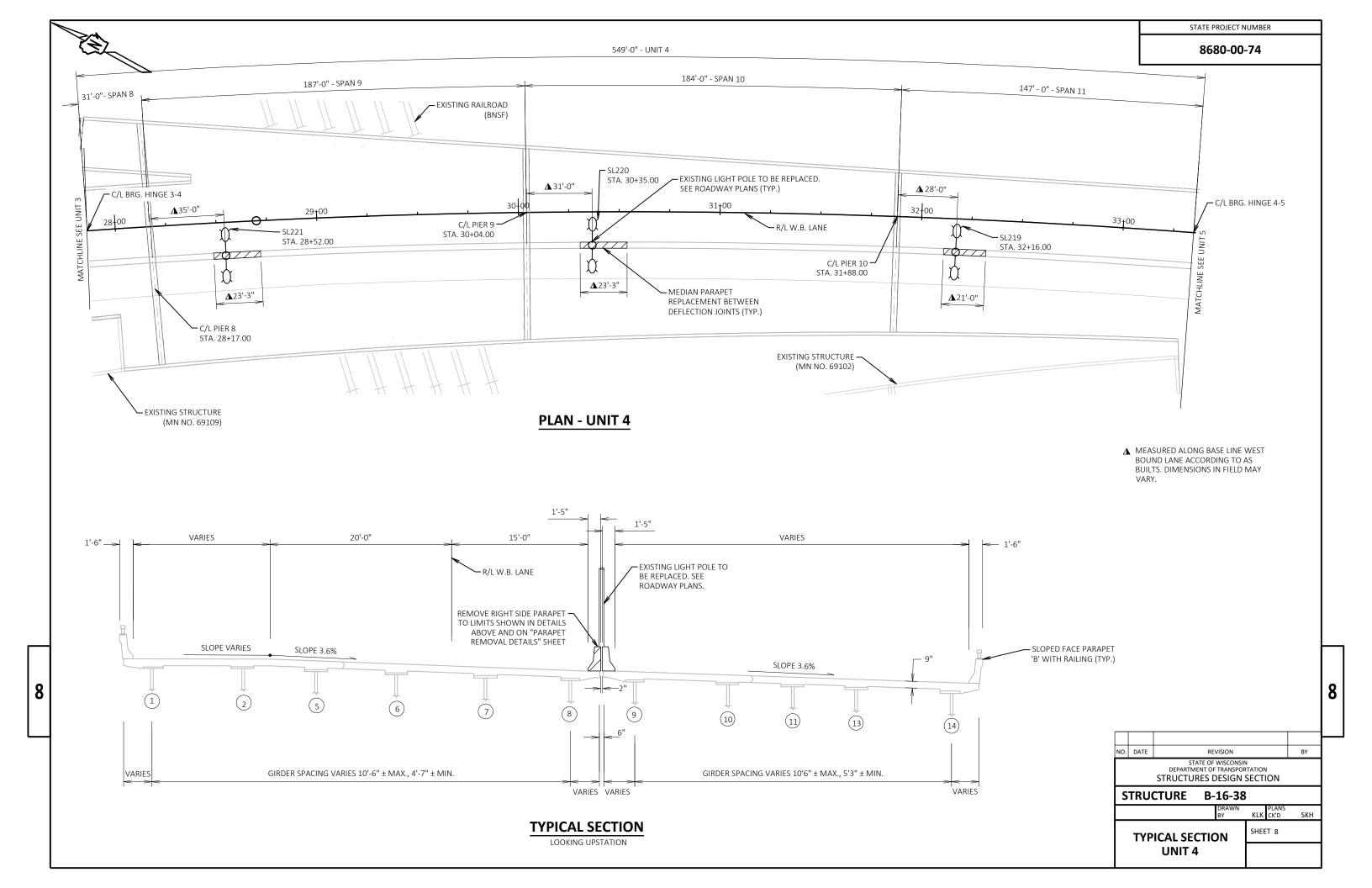
"REMOVING STRUCTURE OVER WATERWAY DEBRIS CAPTURE" BID ITEM INCLUDES REMOVAL OF EXISTING PARAPETS, LIGHTING CONDUIT AND JUNCTION BOXES, AND OTHER REMOVALS AS REQUIRED FOR COMPLETION OF WORK.

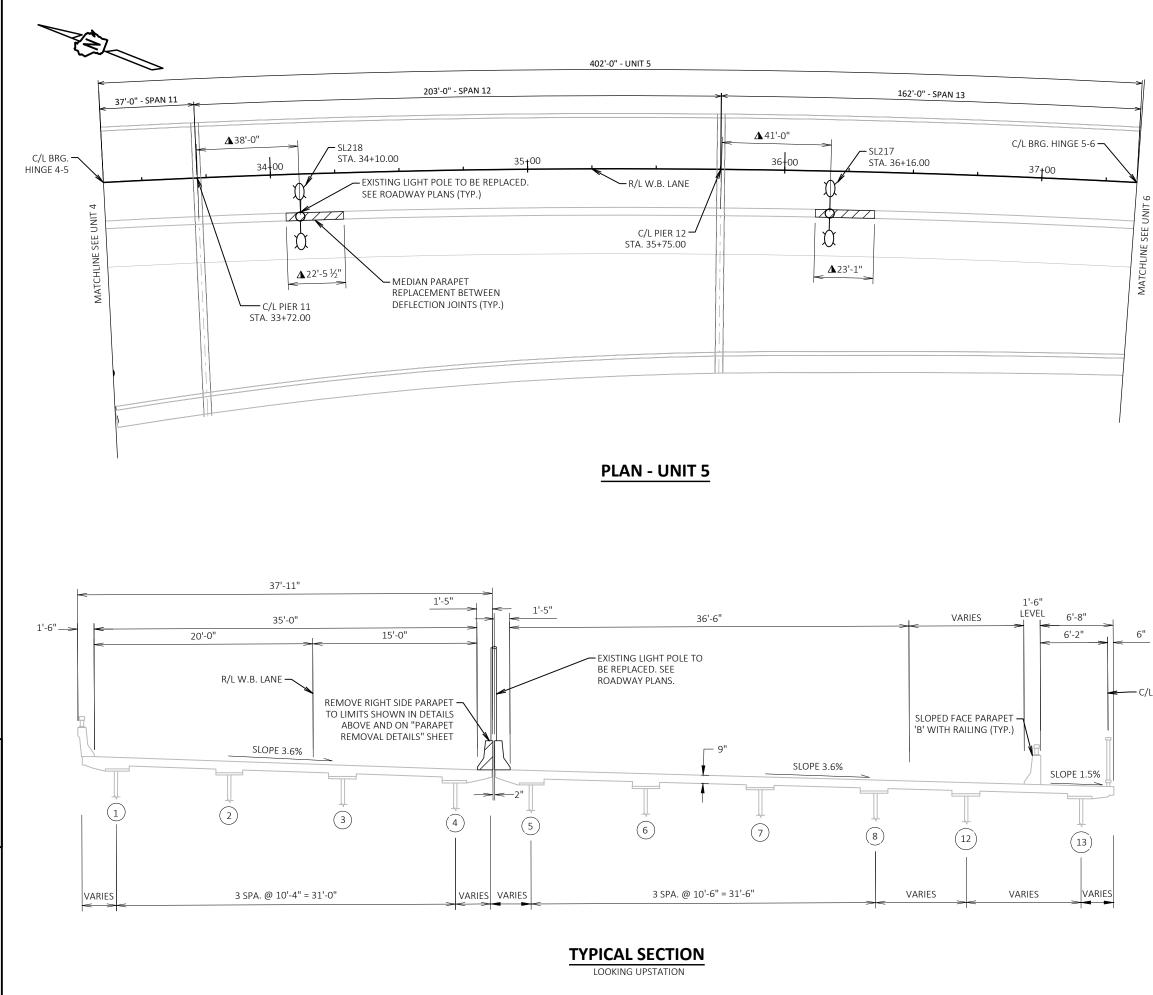
SCOPE OF WORK

TOTALS
1
96
399
753
8,430
24
38
6
547
2
1"

DATE		REVISION			BY		
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION							
STRUCTURE B-16-38							
		DRAWN BY	STD	PLANS CK'D	SKH		
GENERAL NOTES, DESIGN DATA &			SHEE	ET 6			
QUANTITIES							
	TRU(GEN DES	TRUCTURE GENERAL N DESIGN DA	STATE OF WISCON DEPARTMENT OF TRANSP TRUCTURE B-16-3 DRAWN BY GENERAL NOTES, DESIGN DATA &	TRUCTURE B-16-38 DEPARTMENT OF TRANSPORTATION TRUCTURE B-16-38 DRAWN BY STD GENERAL NOTES, DESIGN DATA &	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION TRUCTURE B-16-38 DRAWN BY STD CK'D GENERAL NOTES, DESIGN DATA &		





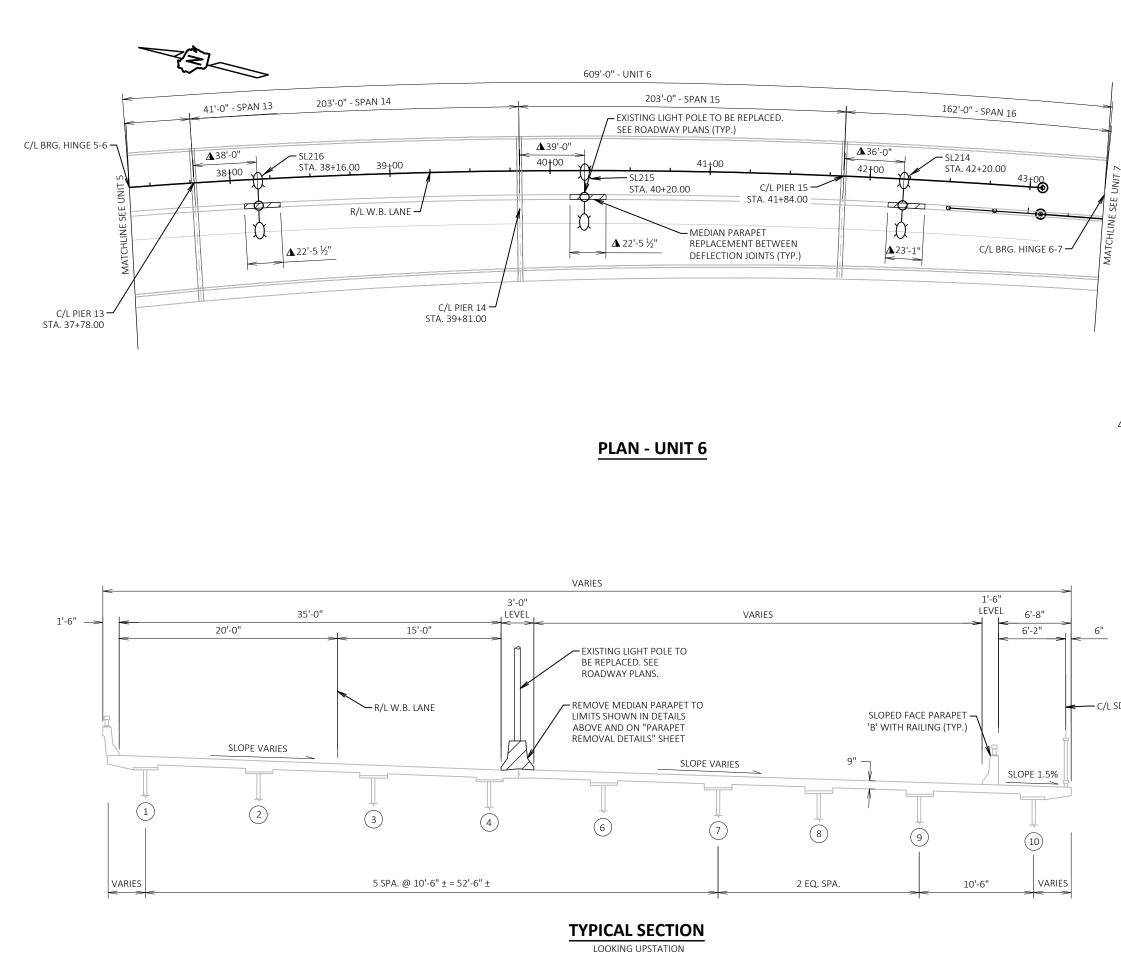


8680-00-74

▲ MEASURED ALONG BASE LINE WEST BOUND LANE ACCORDING TO AS BUILTS. DIMENSIONS IN FIELD MAY VARY.

- C/L SDWK. RAILING

NO.	DATE	R	EVISION		BY	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION						
STRUCTURE B-16-38						
			DRAWN BY	PLANS KLK CK'D	SKH	
TYPICAL SECTION			SHEET 9			
	UNIT 5					



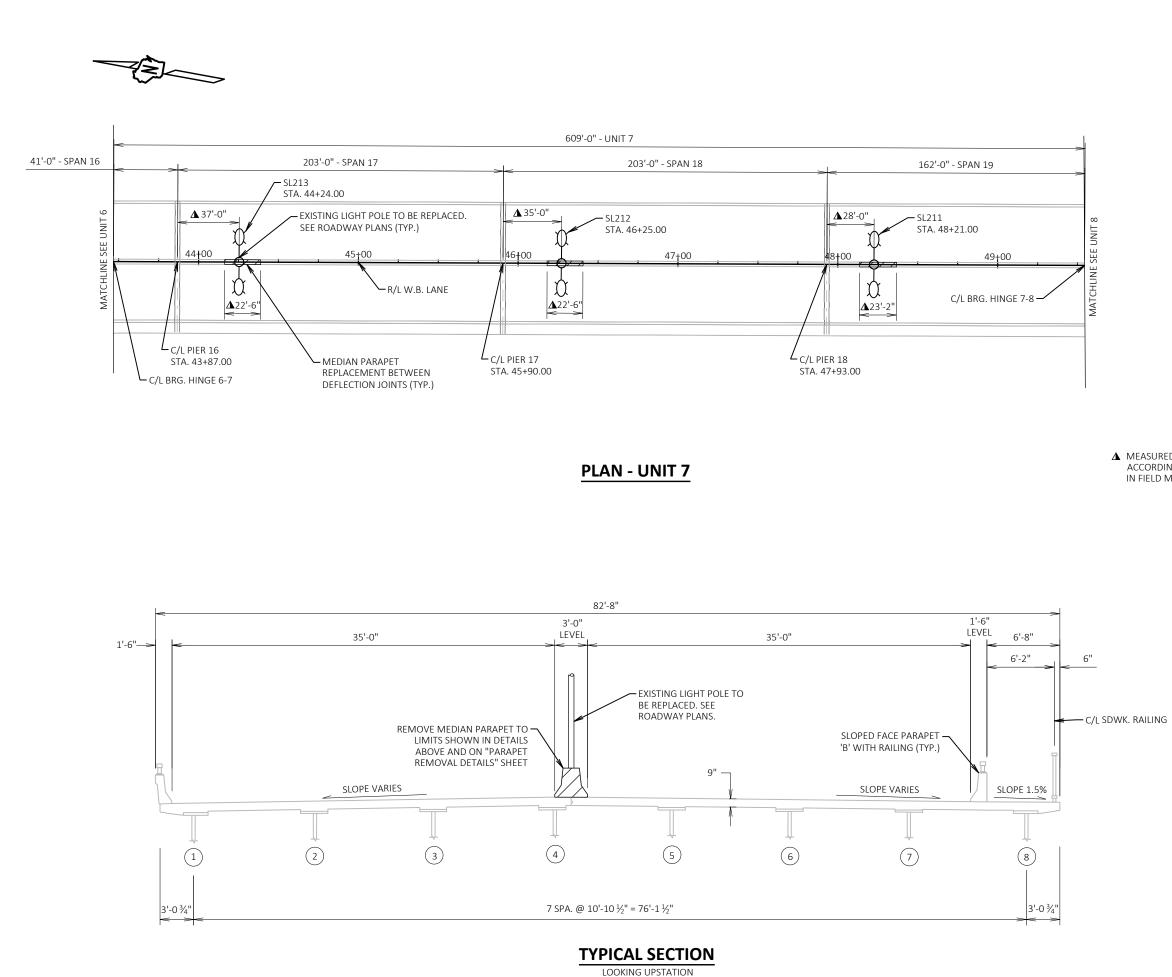
STATE PROJECT NUMBER

8680-00-74

▲ MEASURED ALONG BASE LINE WEST BOUND LANE & C/L OF MEDIAN ACCORDING TO AS BUILTS. DIMENSIONS IN FIELD MAY VARY.

- C/L SDWK. RAILING

NO.	DATE	F	REVISION		BY		
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION							
S	STRUCTURE B-16-38						
			DRAWN BY	PLAN KLK CK'D	s SKH		
TYPICAL SECTION			SHEET 10				
	UNIT 6						

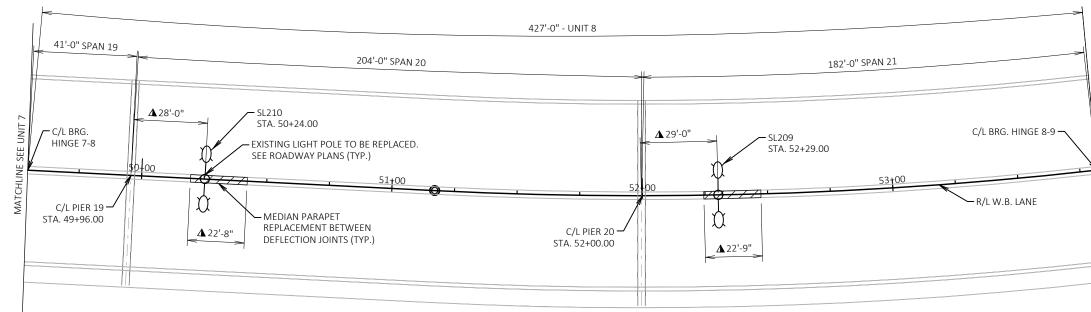


STATE PROJECT NUMBER

8680-00-74

▲ MEASURED ALONG C/L OF MEDIAN ACCORDING TO AS BUILTS. DIMENSIONS IN FIELD MAY VARY.

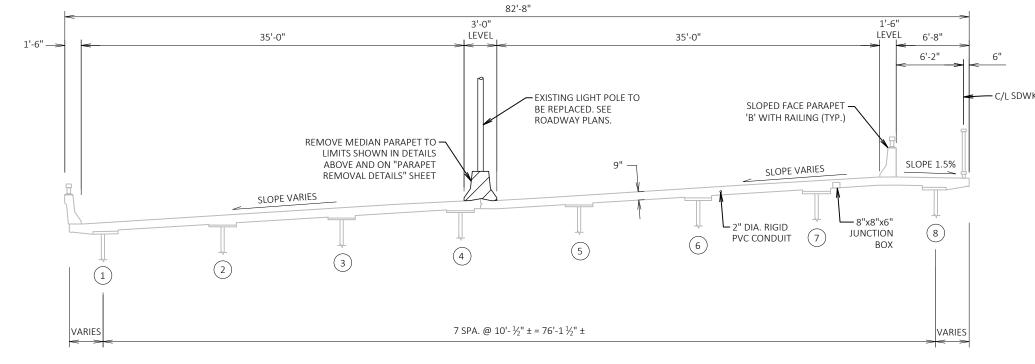
	DATE		EVISION					
NO.		BY						
	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION							
S	STRUCTURE B-16-38							
			DRAWN BY	KLK	PLANS CK'D	SKH		
TYPICAL SECTION			SHEE	T 11				
	UNIT 7							



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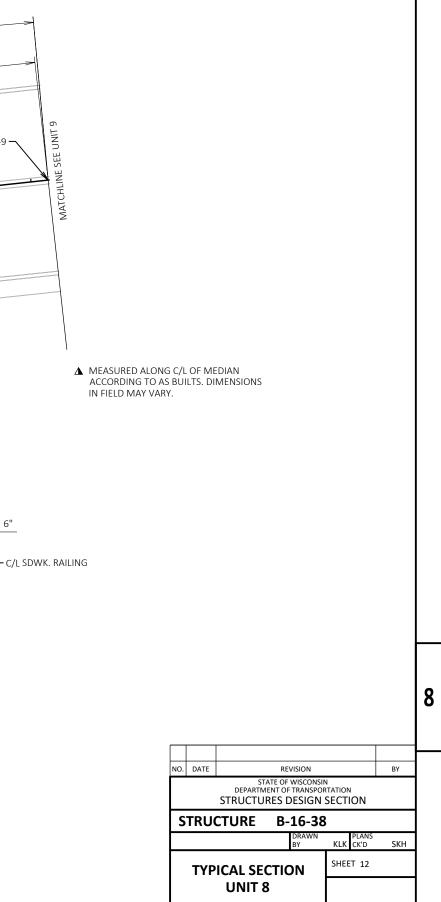


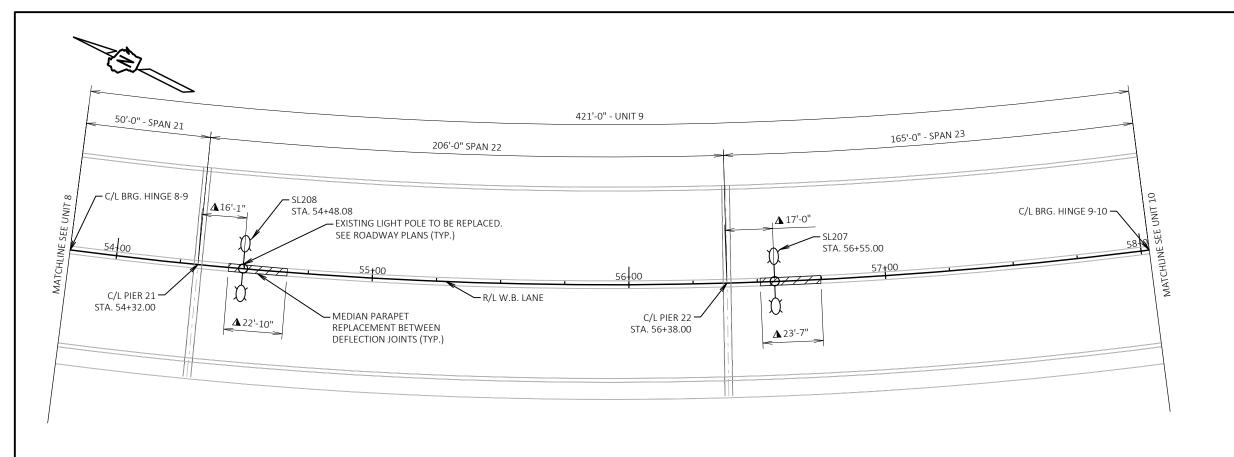
TYPICAL SECTION

LOOKING UPSTATION

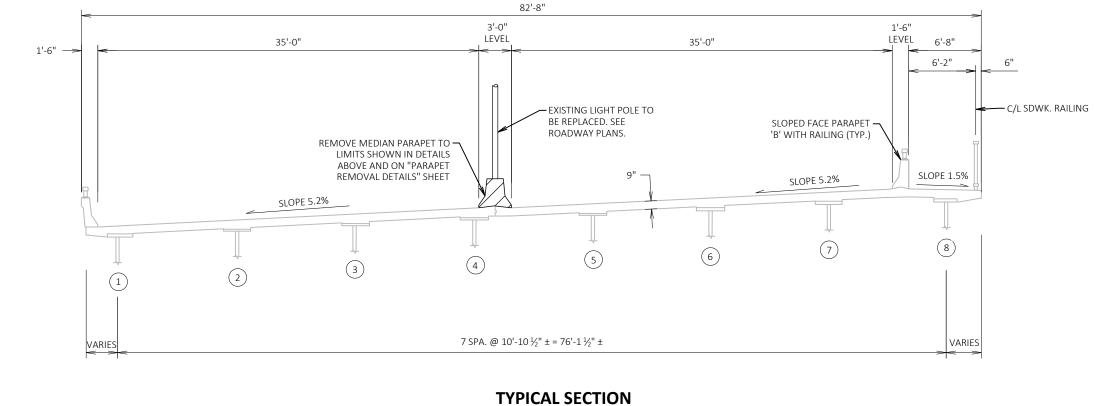


8680-00-74





PLAN - UNIT 9



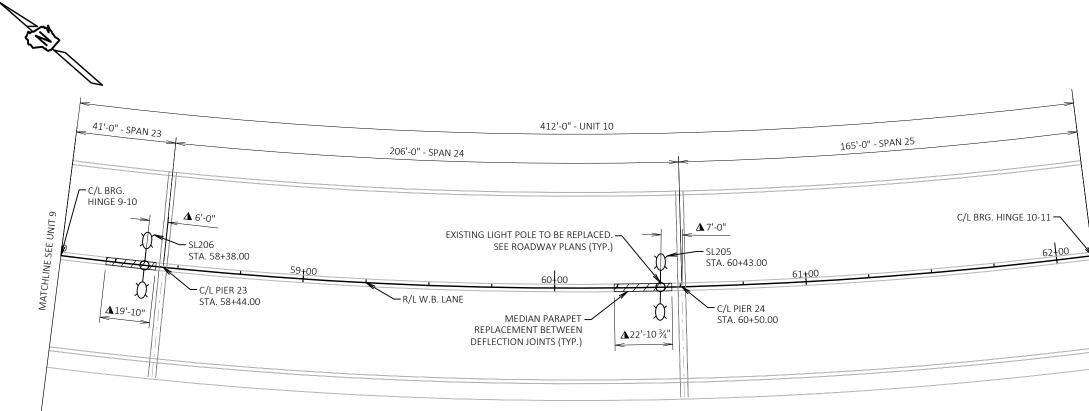
LOOKING UPSTATION

STATE PROJECT NUMBER

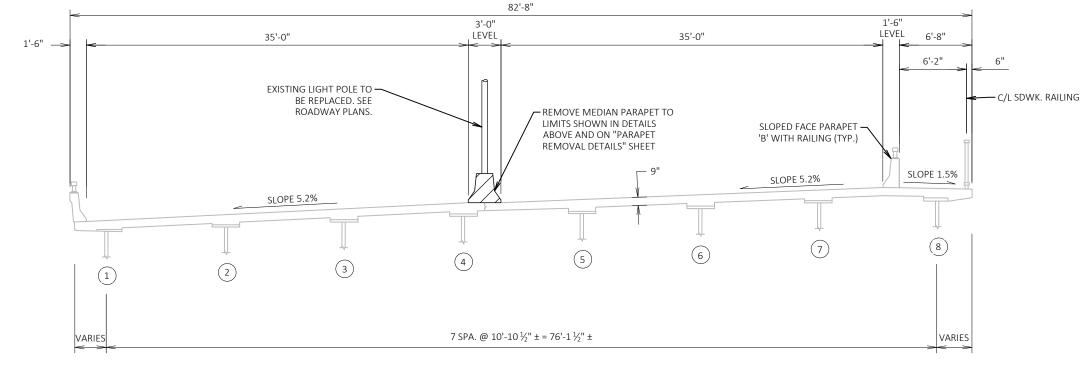
8680-00-74

▲ MEASURED ALONG C/L OF MEDIAN ACCORDING TO AS BUILTS. DIMENSIONS IN FIELD MAY VARY.

		_						
NO.	DATE	R	EVISION			BY		
	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION							
S	STRUCTURE B-16-38							
			DRAWN BY	KLK	PLANS CK'D	SKH		
TYPICAL SECTION			SHEE	T 13				
	UNIT 9							



PLAN - UNIT 10



8

TYPICAL SECTION LOOKING UPSTATION

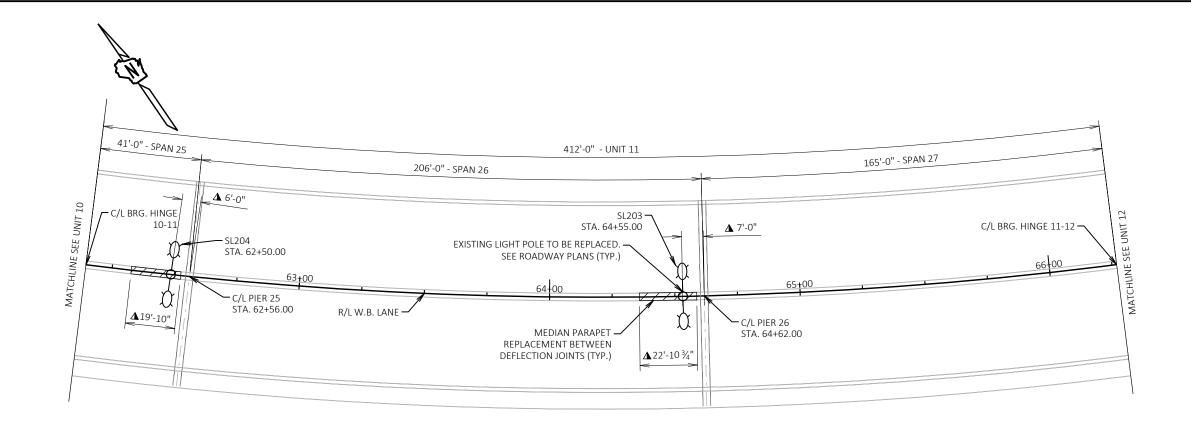
STATE PROJECT NUMBER

8680-00-74

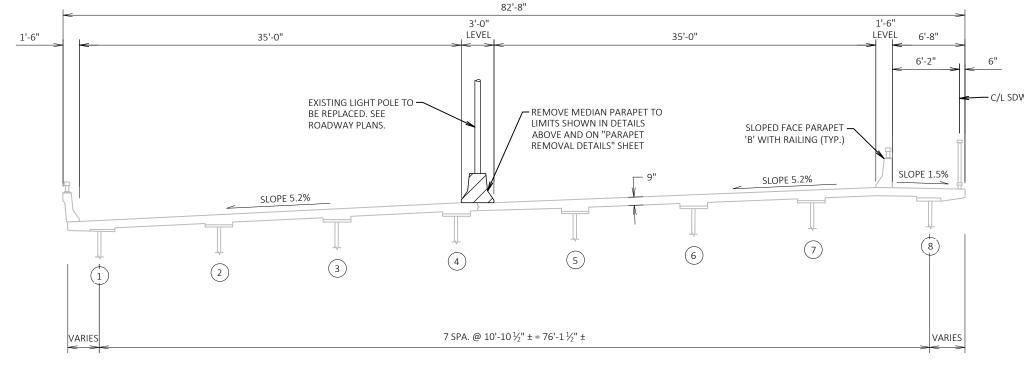


▲ MEASURED ALONG C/L OF MEDIAN ACCORDING TO AS BUILTS. DIMENSIONS IN FIELD MAY VARY.

	DATE		EVISION					
NO.		BY						
	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION							
S	STRUCTURE B-16-38							
			DRAWN BY	KLK	PLANS CK'D	SKH		
TYPICAL SECTION				SHEE	T 14			
	UNIT 10							



PLAN - UNIT 11



TYPICAL SECTION

8

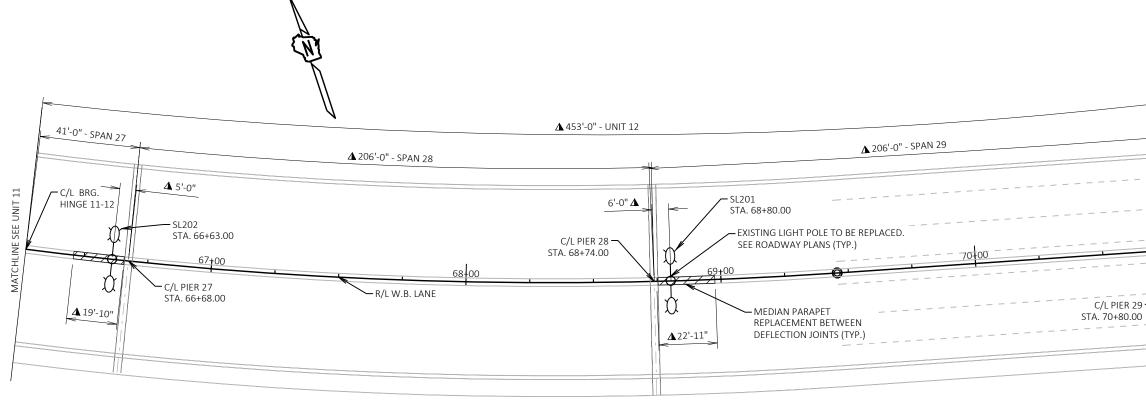
STATE PROJECT NUMBER

8680-00-74

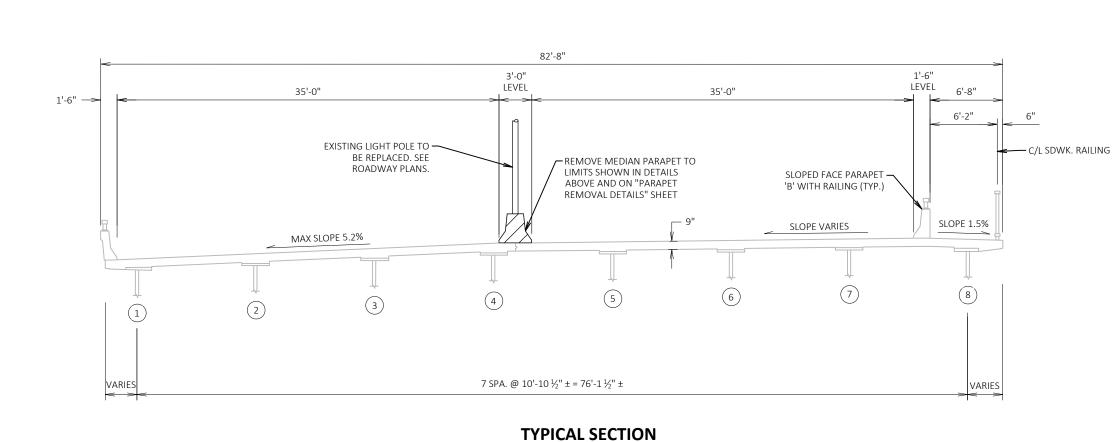
▲ MEASURED ALONG C/L OF MEDIAN ACCORDING TO AS BUILTS. DIMENSIONS IN FIELD MAY VARY.

- C/L SDWK. RAILING

NO.	DATE	RE	VISION			BY	
	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION						
S	STRUCTURE B-16-38						
			DRAWN BY	KLK	PLANS CK'D	SKH	
TYPICAL SECTION			SHEET 15				
	UNIT 11						

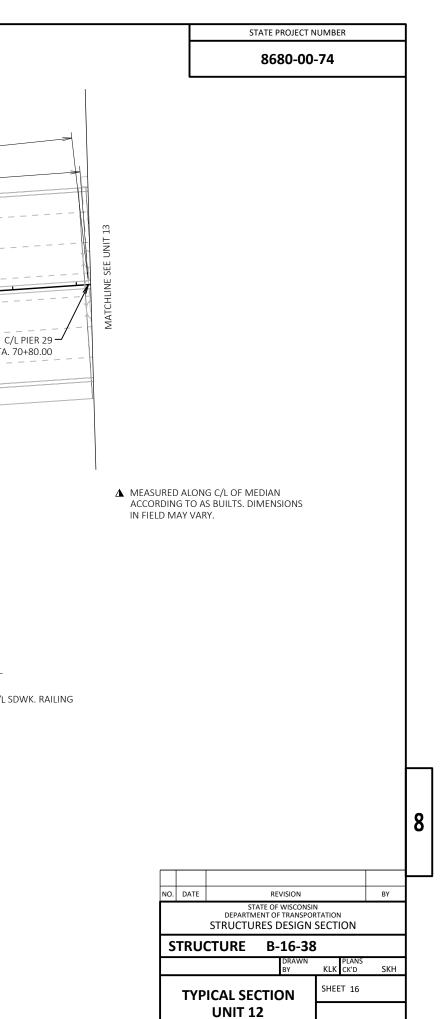


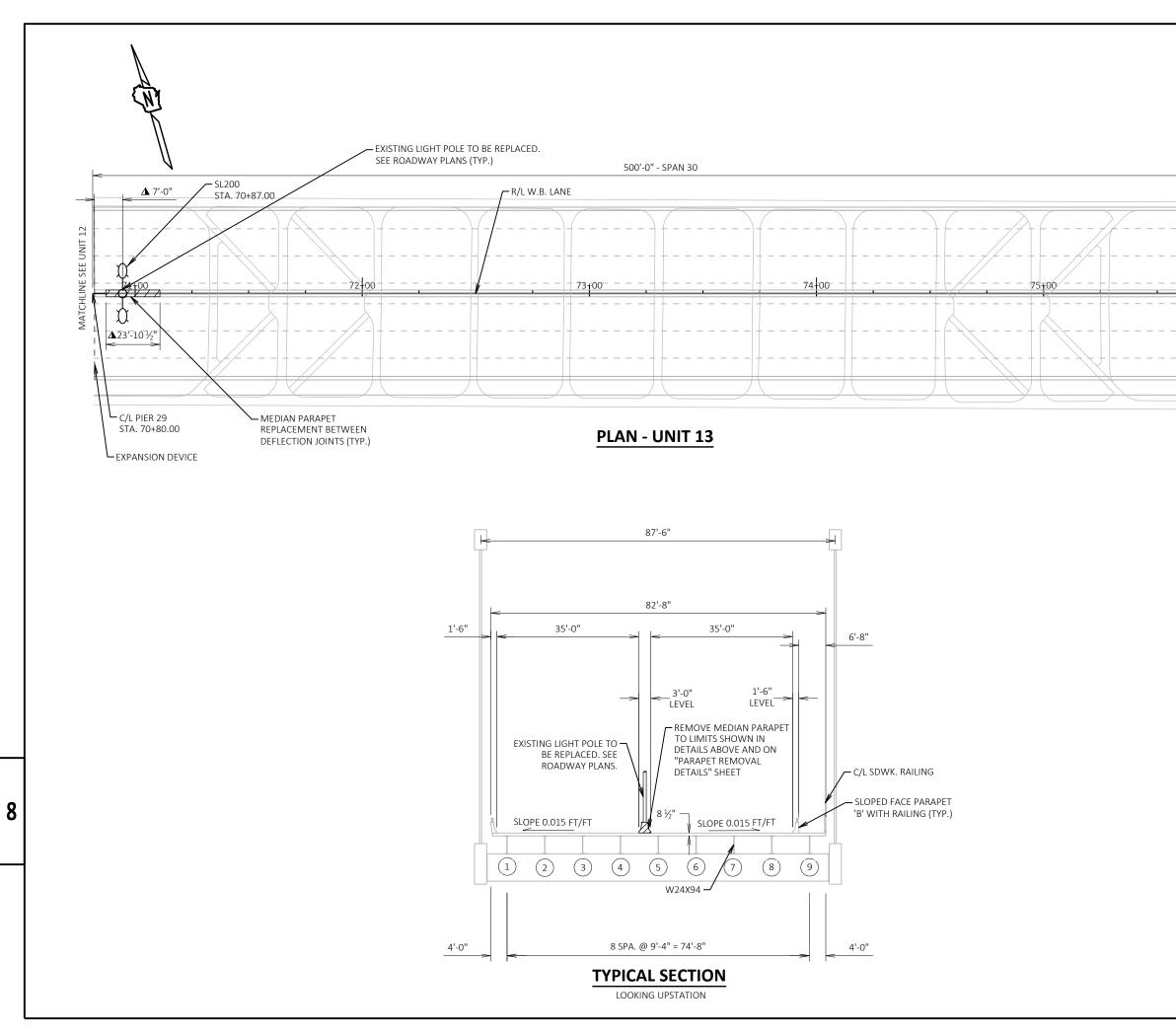
PLAN - UNIT 12

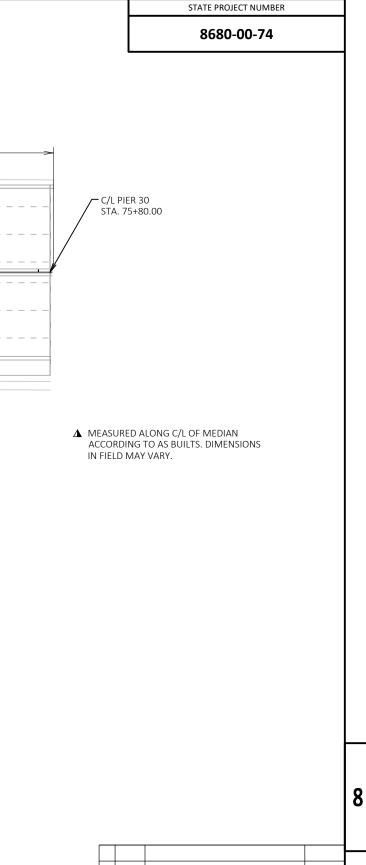


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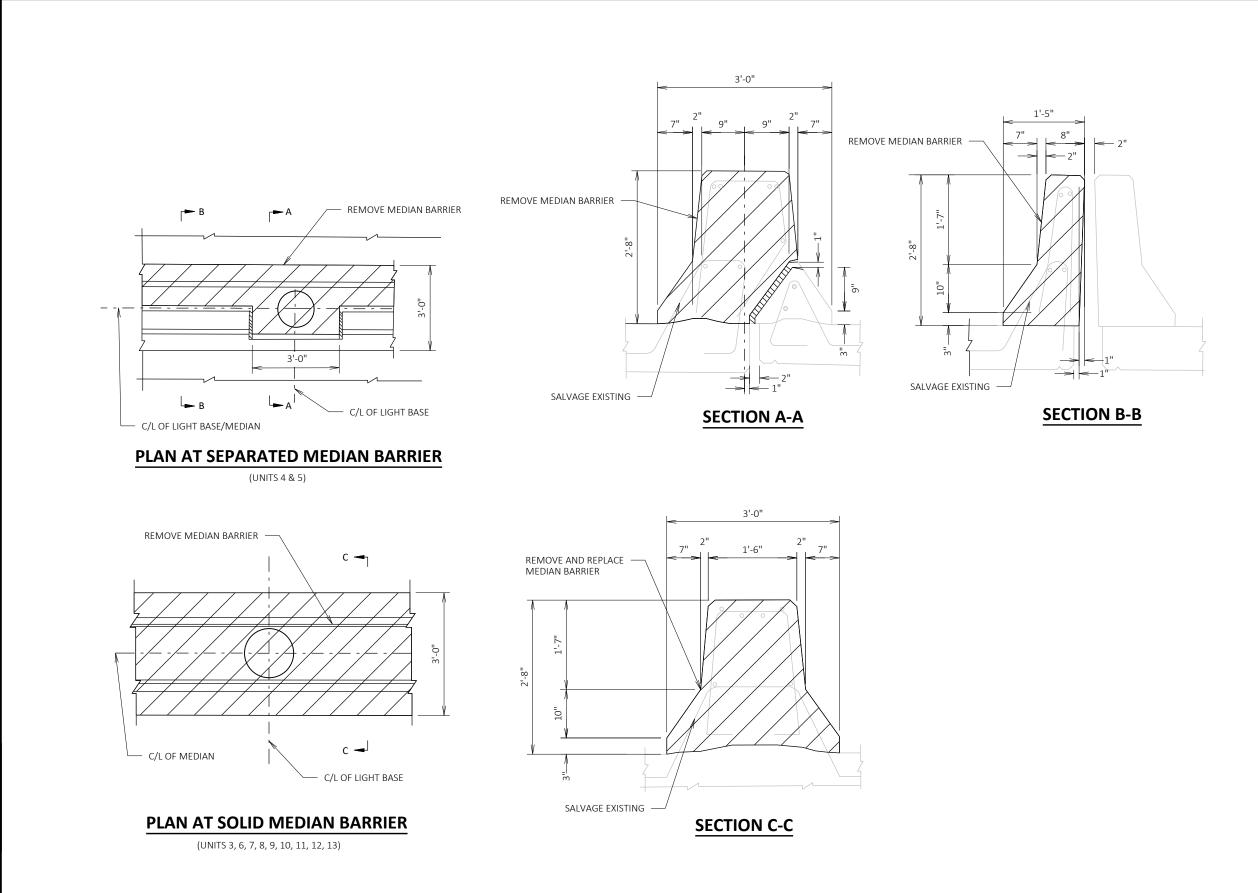
LOOKING UPSTATION





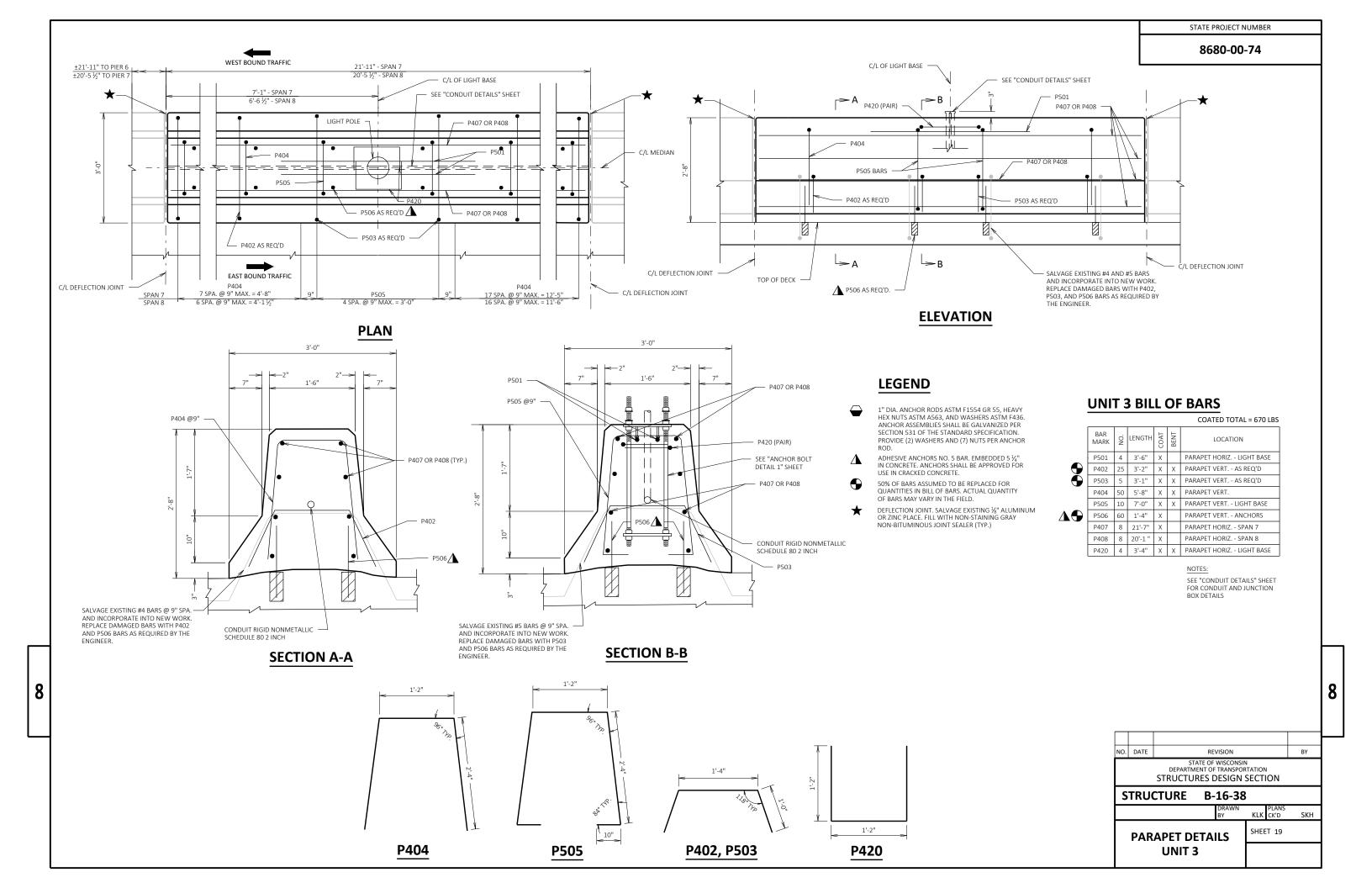


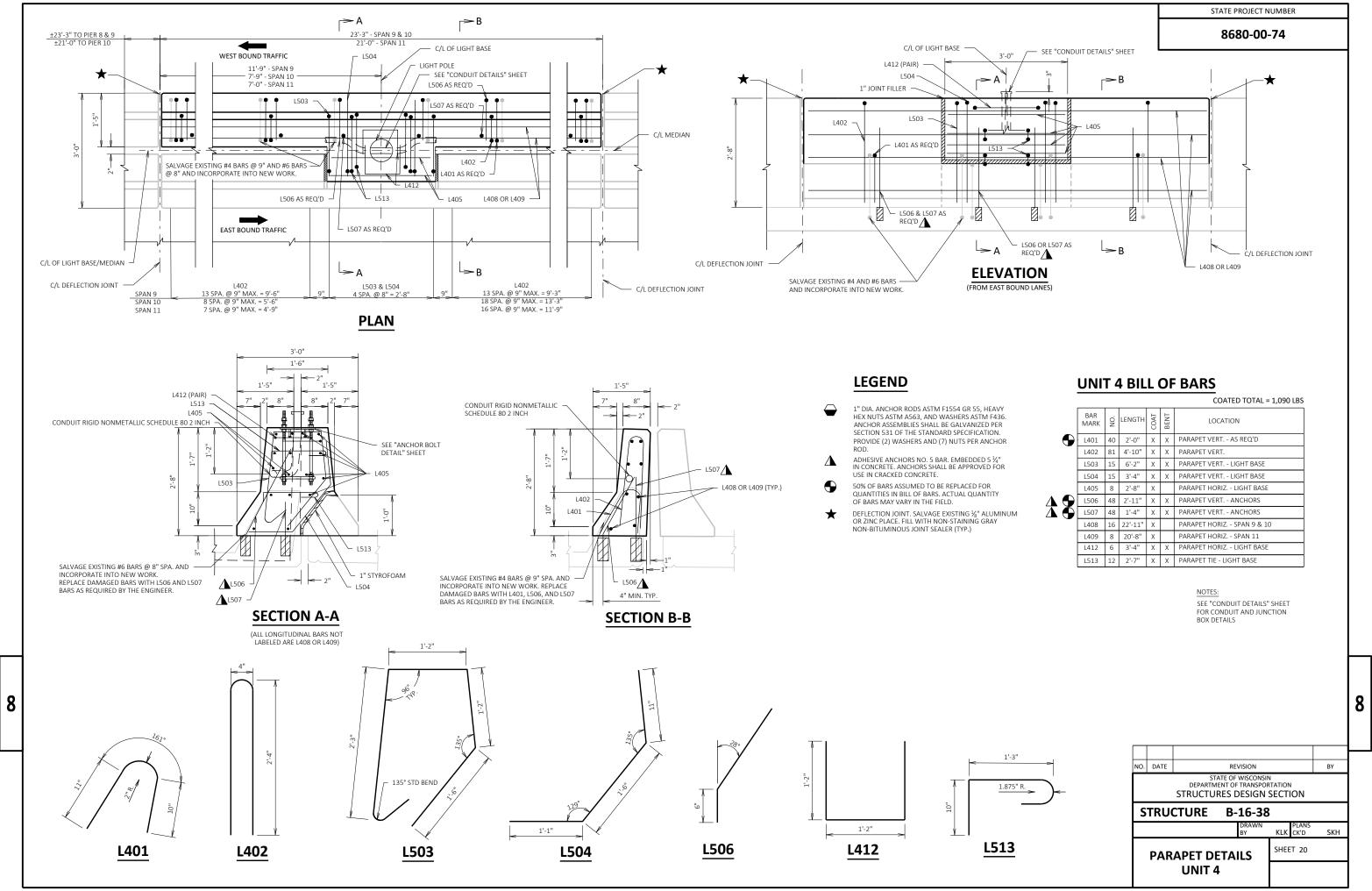
NO. DATE REVISION	BY						
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION							
STRUCTURE B-16-38							
DRAWN PLANS BY KLK CK'D	SKH						
SHEET 17							
TYPICAL SECTION							



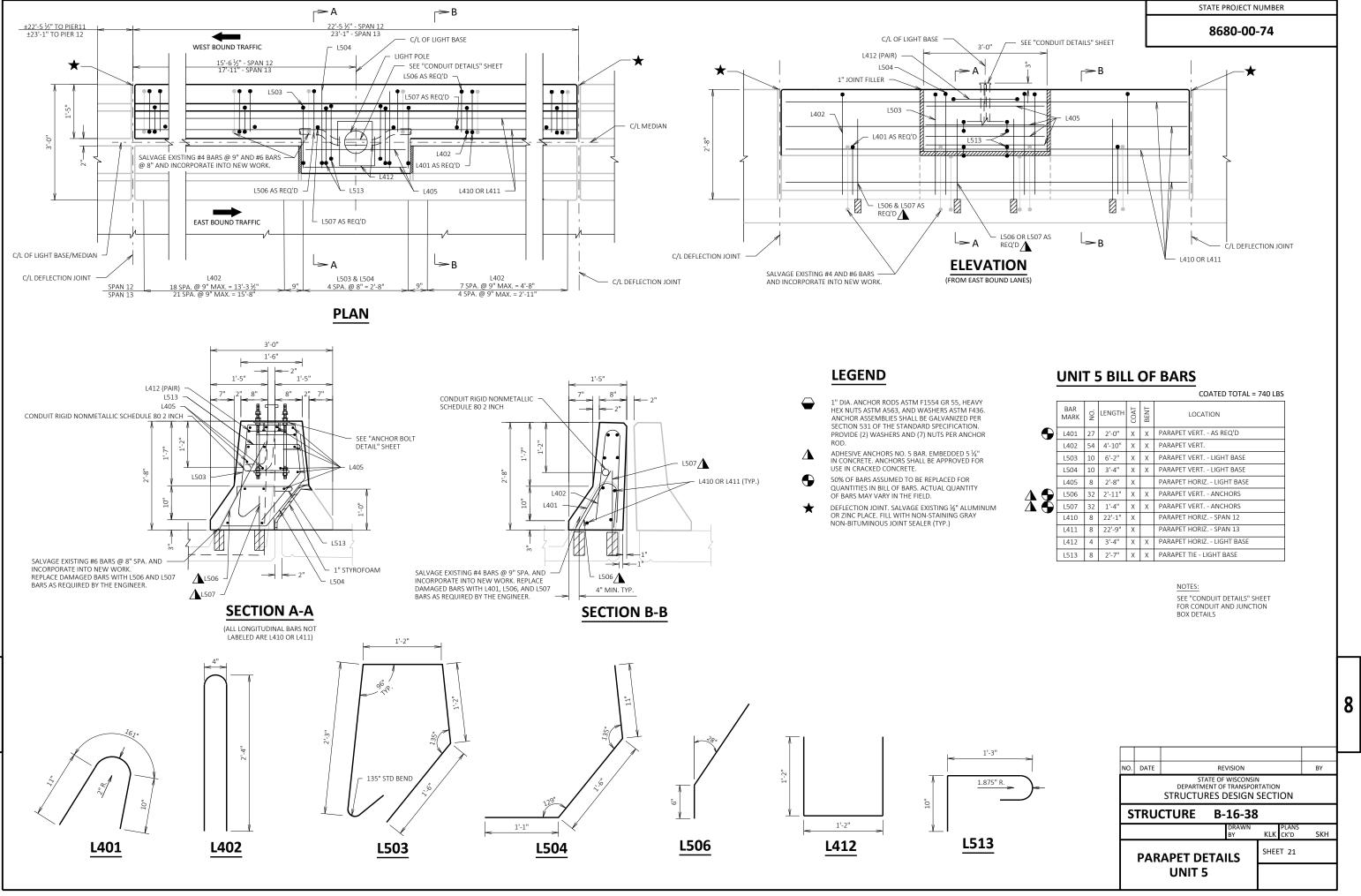
8680-00-74

NO.	DATE	RE	IVISION			ВҮ		
	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION							
S	STRUCTURE B-16-38							
			DRAWN BY	KLK	PLANS CK'D	SKH		
	PARAPET SHEET 18							
REMOVAL DETAILS								



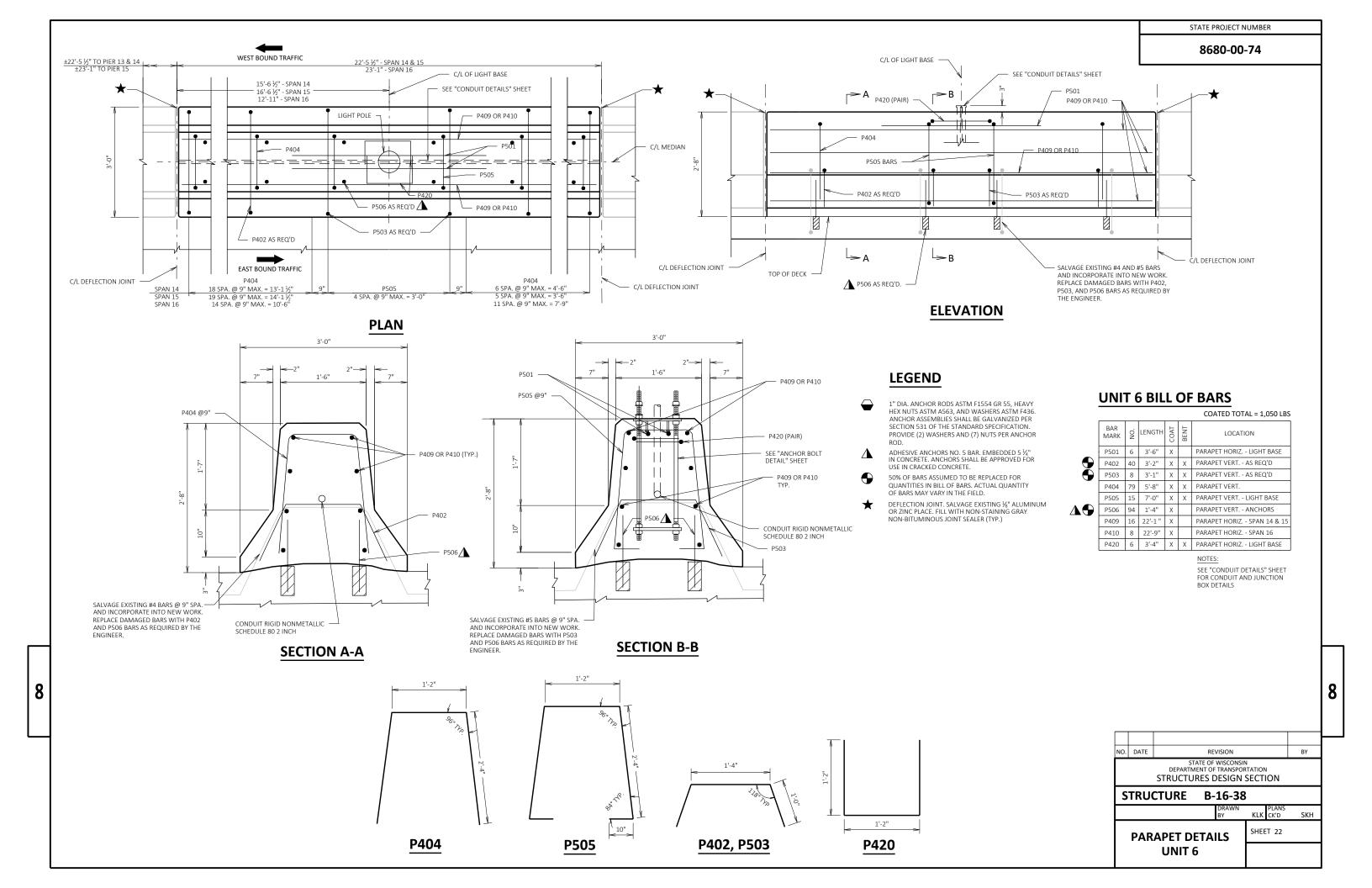


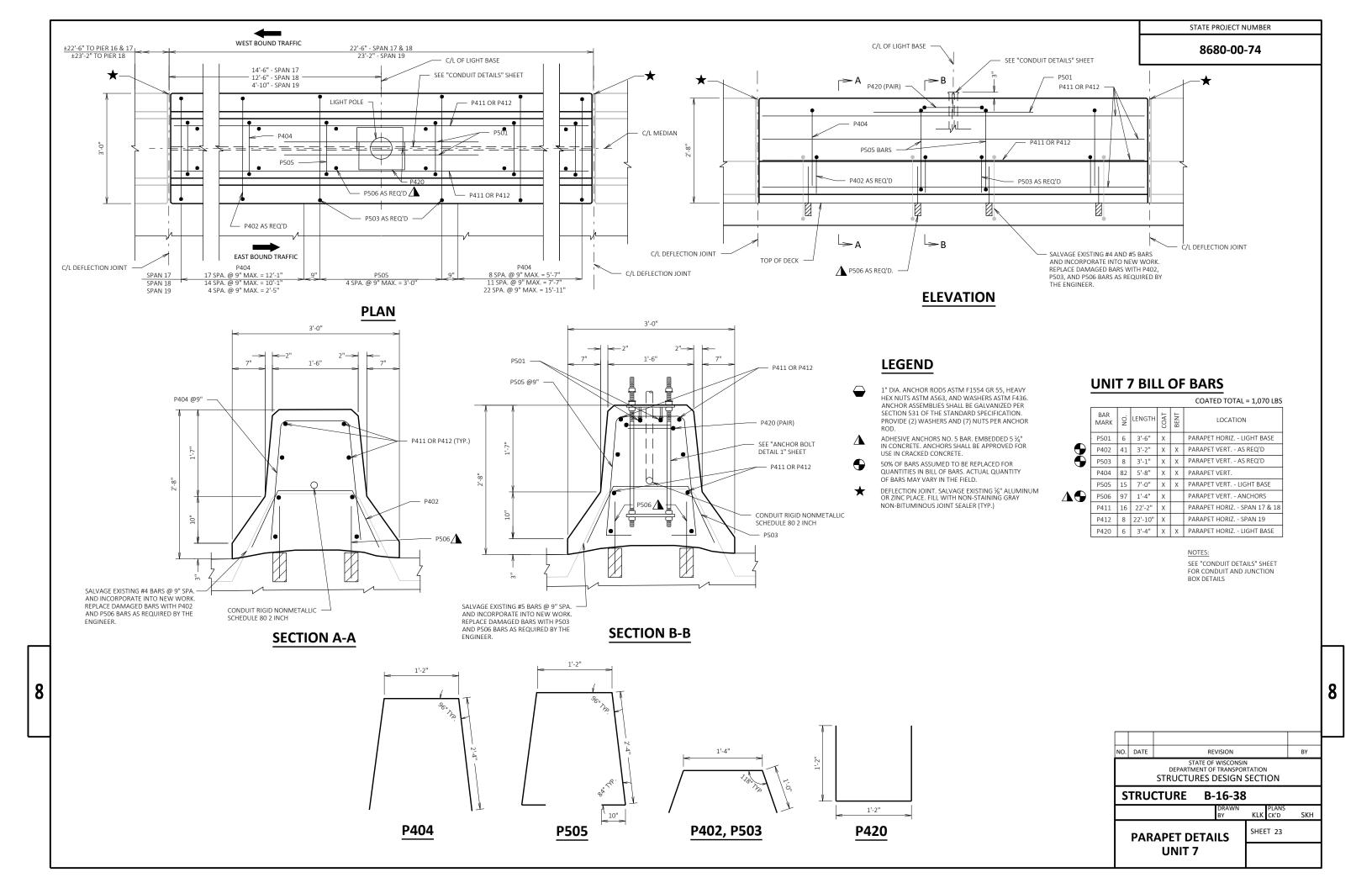
						COATED TOTAL = 1,090 LBS
	BAR MARK	NO.	LENGTH	COAT	BENT	LOCATION
9	L401	40	2'-0"	Х	Х	PARAPET VERT AS REQ'D
-	L402	81	4'-10"	Х	Х	PARAPET VERT.
	L503	15	6'-2"	Х	Х	PARAPET VERT LIGHT BASE
	L504	15	3'-4"	Х	Х	PARAPET VERT LIGHT BASE
	L405	8	2'-8"	Х		PARAPET HORIZ LIGHT BASE
9	L506	48	2'-11"	Х	Х	PARAPET VERT ANCHORS
Ð	L507	48	1'-4"	Х	Х	PARAPET VERT ANCHORS
-	L408	16	22'-11"	Х		PARAPET HORIZ SPAN 9 & 10
	L409	8	20'-8"	Х		PARAPET HORIZ SPAN 11
	L412	6	3'-4"	Х	Х	PARAPET HORIZ LIGHT BASE
	L513	12	2'-7"	Х	Х	PARAPET TIE - LIGHT BASE

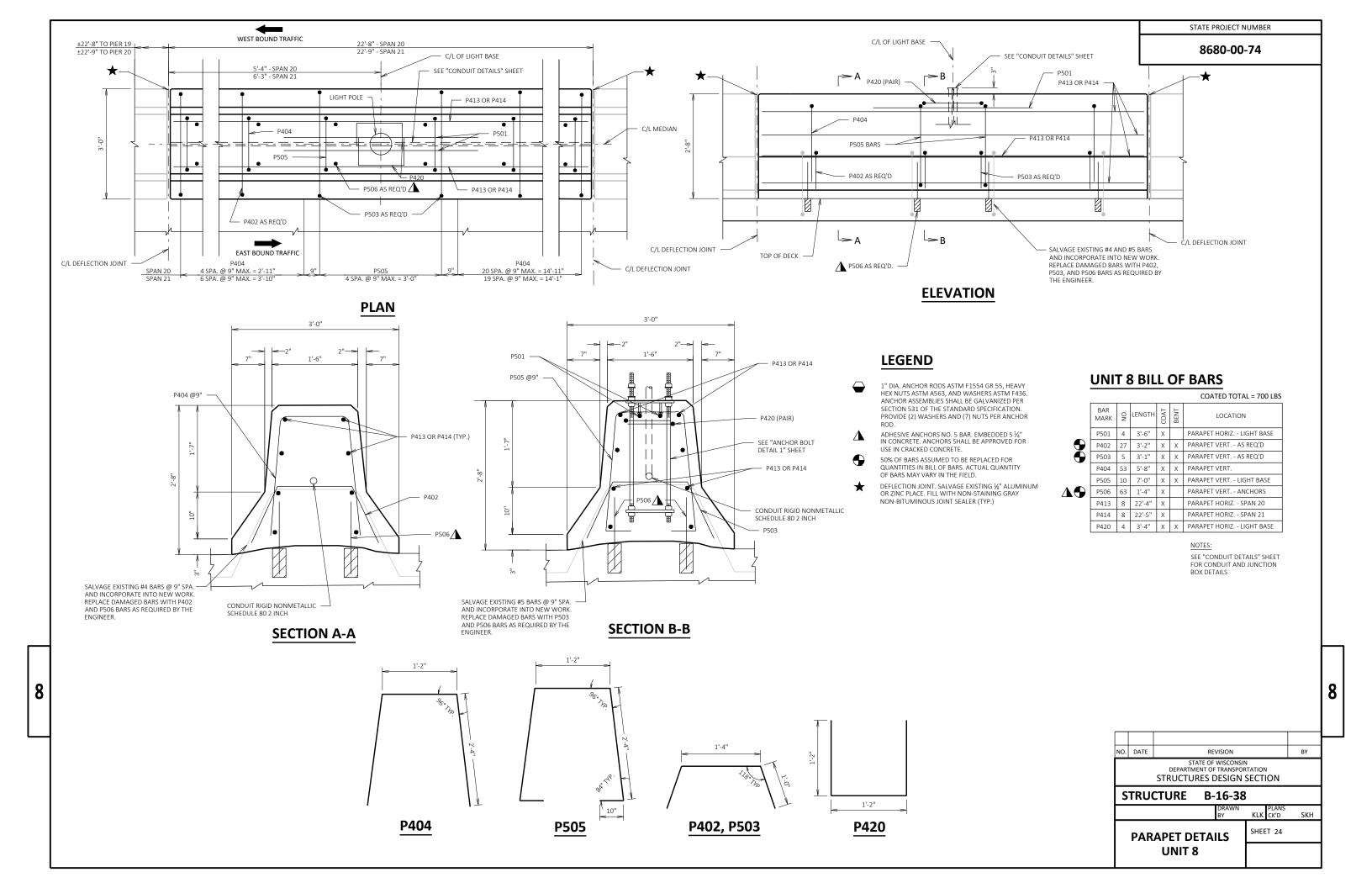


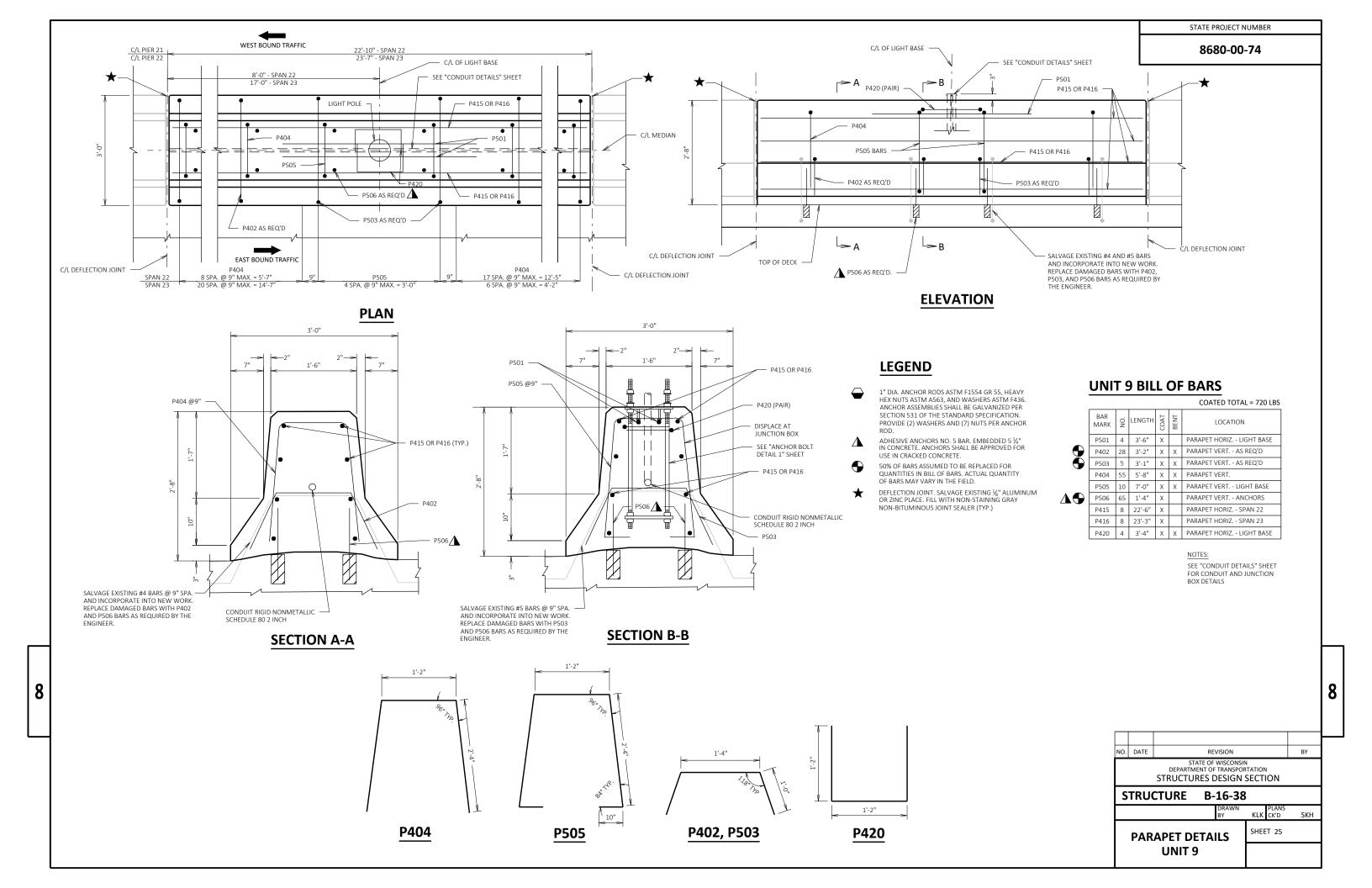
UNIT 5 BILL OF BA	ARS
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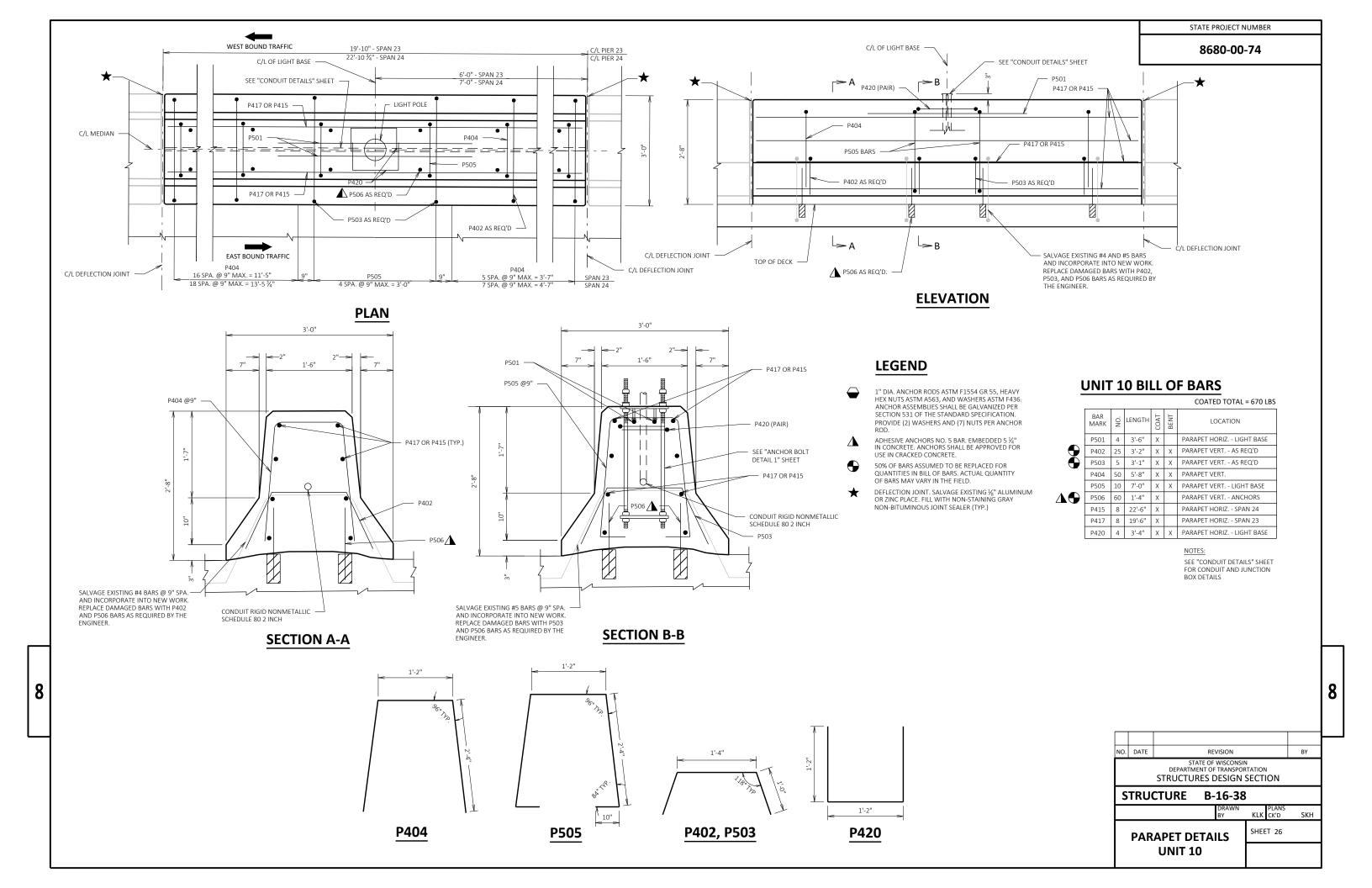
		BAR MARK	NO.	LENGTH	COAT	BENT	LOCATION
	Θ	L401	27	2'-0"	Х	Х	PARAPET VERT AS REQ'D
	-	L402	54	4'-10"	Х	Х	PARAPET VERT.
		L503	10	6'-2"	Х	Х	PARAPET VERT LIGHT BASE
		L504	10	3'-4"	Х	Х	PARAPET VERT LIGHT BASE
		L405	8	2'-8"	Х		PARAPET HORIZ LIGHT BASE
	$\mathbf{\Theta}$	L506	32	2'-11"	Х	Х	PARAPET VERT ANCHORS
Γ	\bullet	L507	32	1'-4"	Х	Х	PARAPET VERT ANCHORS
	-	L410	8	22'-1"	Х		PARAPET HORIZ SPAN 12
		L411	8	22'-9"	Х		PARAPET HORIZ SPAN 13
		L412	4	3'-4"	Х	Х	PARAPET HORIZ LIGHT BASE
		L513	8	2'-7"	Х	Х	PARAPET TIE - LIGHT BASE

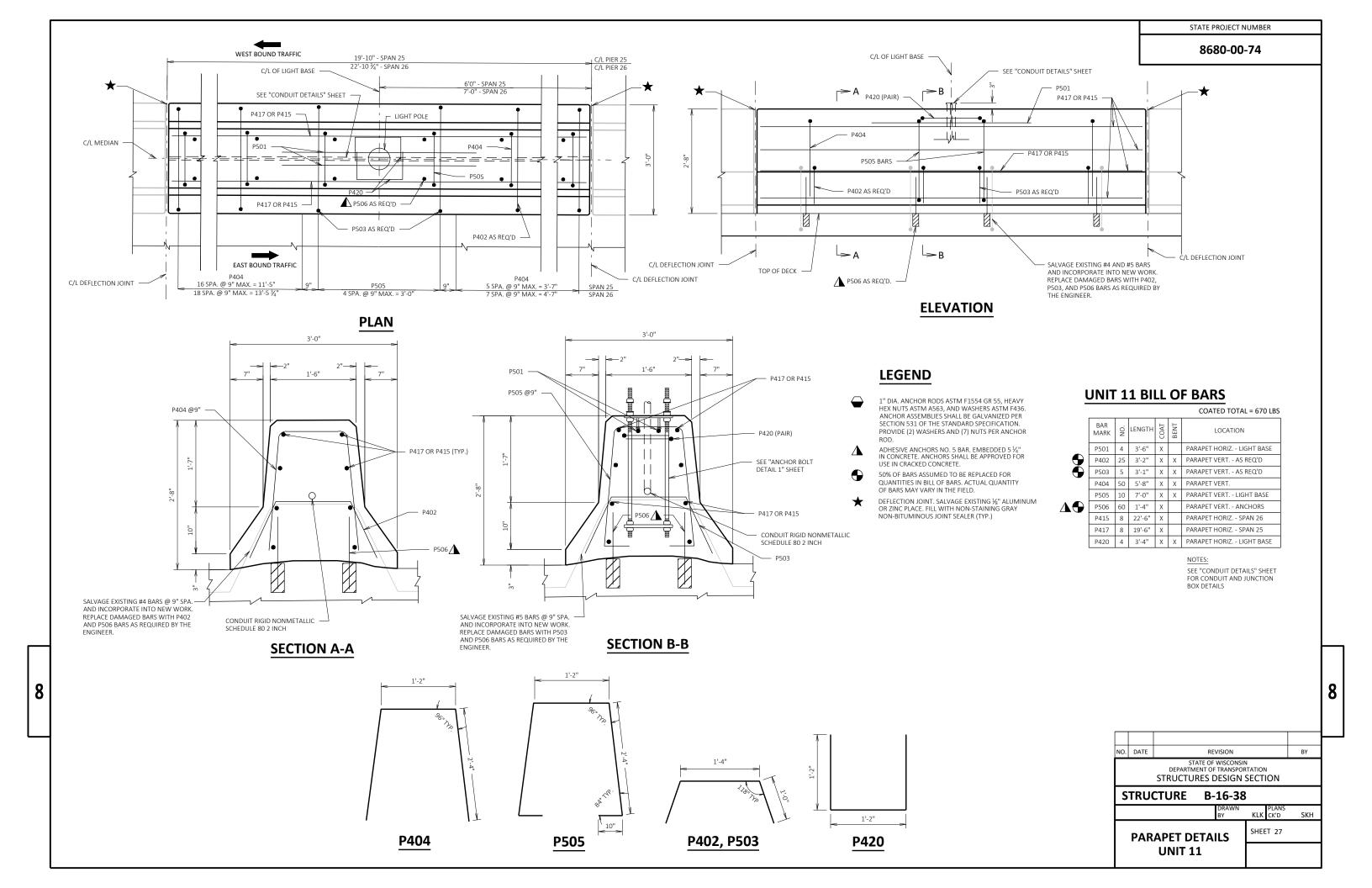


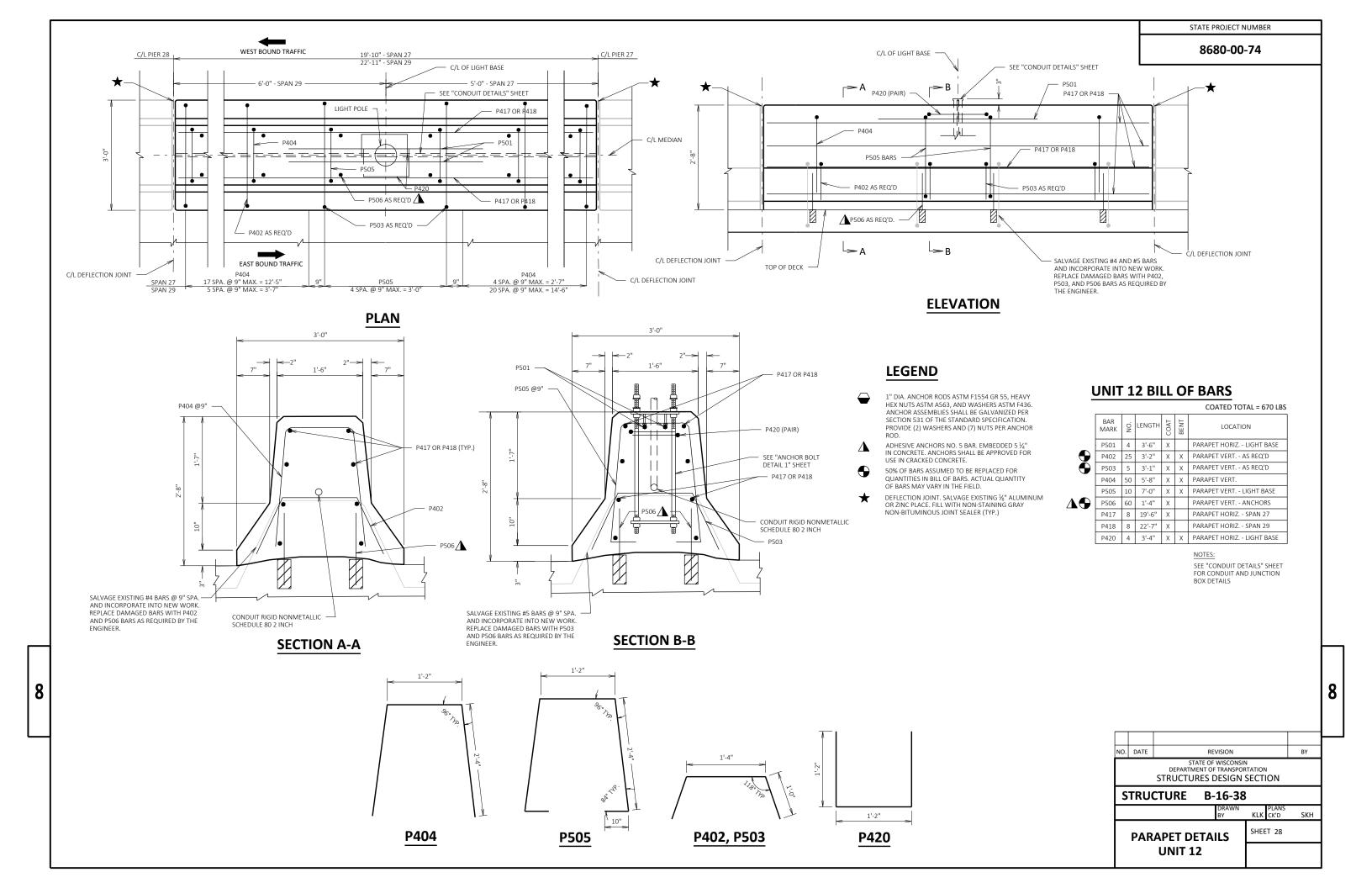


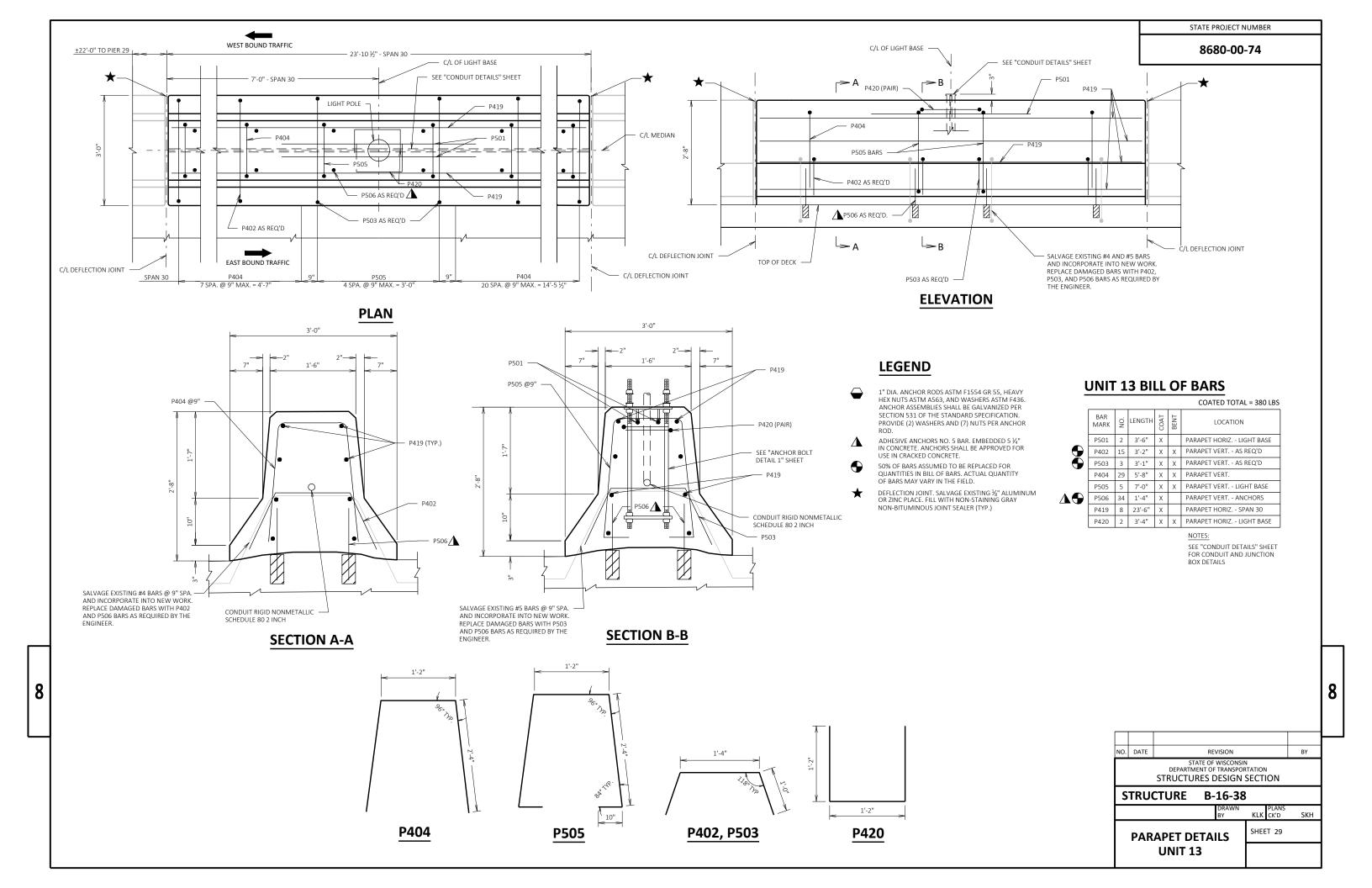


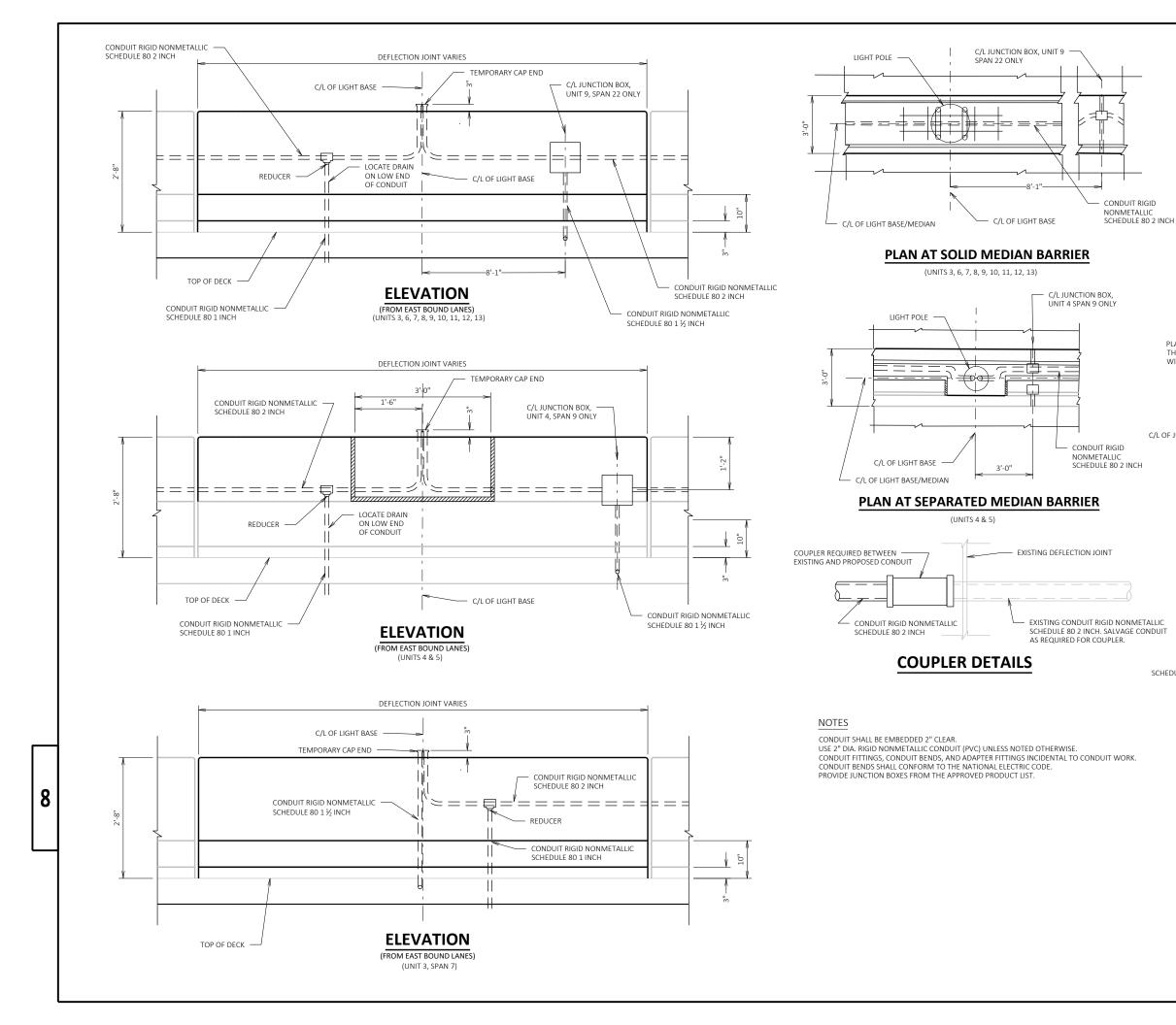


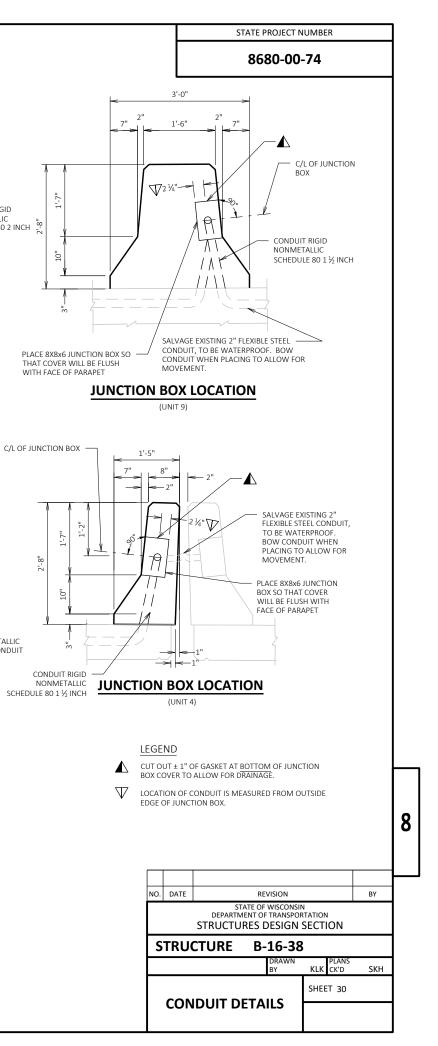


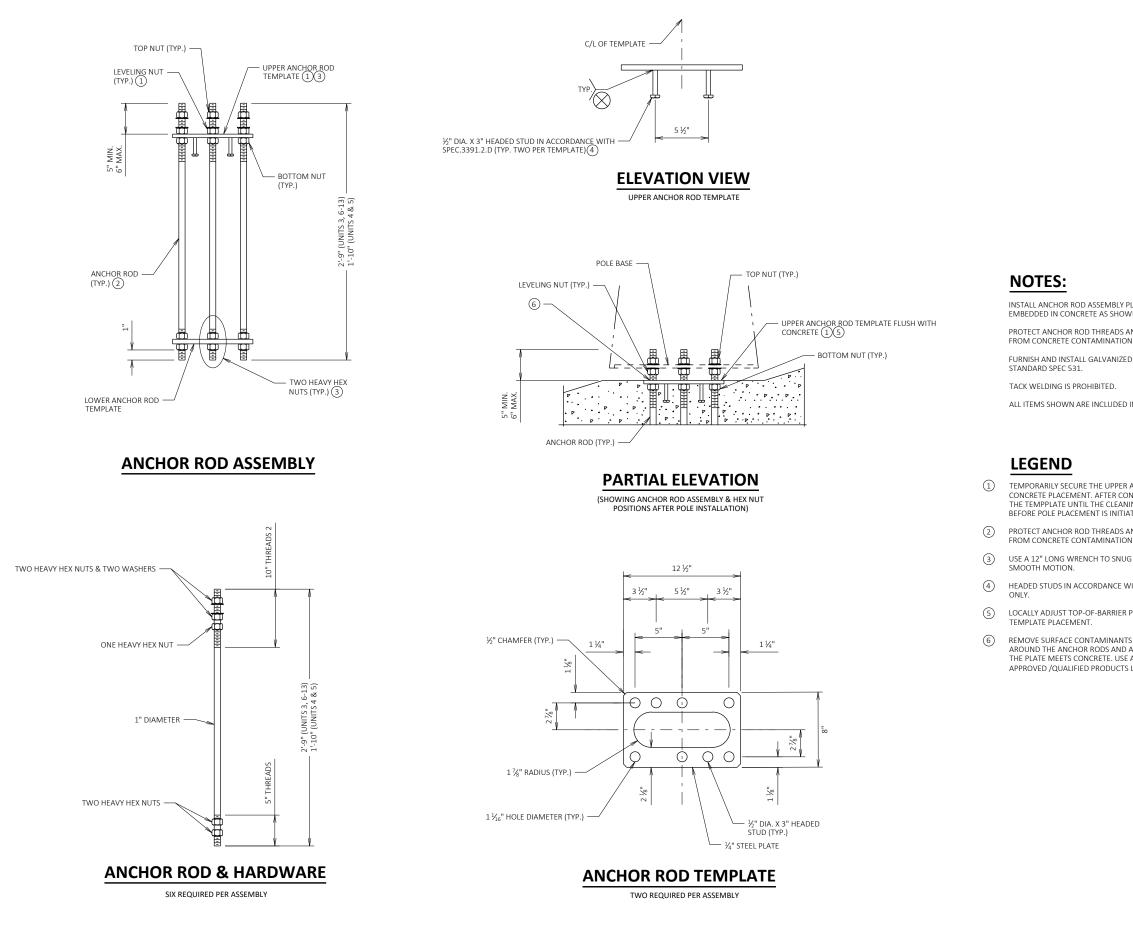












STATE PROJECT NUMBER

8680-00-74

INSTALL ANCHOR ROD ASSEMBLY PLUMB WITH UPPER ANCHOR ROD TEMPLATE LEVEL AND EMBEDDED IN CONCRETE AS SHOWN IN PARTIAL ELEVATION.

PROTECT ANCHOR ROD THREADS AND LEVELING NUTS ABOVE THE UPPER ANCHOR ROD TEMPLATE FROM CONCRETE CONTAMINATION.

FURNISH AND INSTALL GALVANIZED COMPONENTS OF ANCHOR ASSEMBLIES IN ACCORDANCE WITH STANDARD SPEC 531.

ALL ITEMS SHOWN ARE INCLUDED IN BID ITEM "ANCHOR ASSEMBLIES POLES ON STRUCTURES."

TEMPORARILY SECURE THE UPPER ANCHOR ROD TEMPLATE WITH THE LEVELING NUTS BEFORE CONCRETE PLACEMENT. AFTER CONCRETE PLACEMENT, LEAVE LEVELING NUTS SECURED AGAINST THE TEMPPLATE UNTIL THE CLEANING AND LUBRICATING OF THE ANCHOR ROD CONNECTIONS BEFORE POLE PLACEMENT IS INITIATED.

PROTECT ANCHOR ROD THREADS AND LEVELING NUTS ABOVE THE UPPER ANCHOR ROD TEMPLATE

USE A 12" LONG WRENCH TO SNUG TIGHTEN NUTS PULLING THE HANDLE WITH ONE ARM IN ONE

HEADED STUDS IN ACCORDANCE WITH STANDARD SPEC 506 ON UPPER ANCHOR ROD TEMPLATE

LOCALLY ADJUST TOP-OF-BARRIER PROFILE AS REQUIRED TO PROVIDE A LEVEL ANCHOR ROD TEMPLATE PLACEMENT.

REMOVE SURFACE CONTAMINANTS AND APPLY SILICONE JOINT SEALER TO THE UPPER TEMPLATE AROUND THE ANCHOR RODS AND ANCHOR ROD HOLES, AND THE INNER AND OUTER EDGES WHERE THE PLATE MEETS CONCRETE. USE AN APPROVED SILICONE JOINT SEALANT FOUND ON MnDOT'S APPROVED /QUALIFIED PRODUCTS LIST UNDER BRIDGE PRODUCTS.

NO.	DATE	F	REVISION		BY		
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION							
S	STRUCTURE B-16-38						
			DRAWN BY	PLANS KLK CK'D	SKH		
	ANCHOR BOLT						
DETAIL							