

SHEET NUM.												PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
7	8	10	11	16	17	19	20	30	31	32	33	01/NHS/P V	02/NHS/B R	03/SAF/O T						
								28.01						28.01	850	10010	28.01	MILE	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)	
								3,450						3,450	850	10110	3,450	FT	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)	
								3,870						3,870	850	10130	3,870	FT	GROOVING FOR 12" RECESSED PAVEMENT MARKING, (ASPHALT)	
								0.84						0.84	850	20010	0.84	MILE	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (CONCRETE)	
																			TRAFFIC SIGNALS	
										7			7		632	26501	7	EACH	DETECTOR LOOP, AS PER PLAN	32
																			STRUCTURE REPAIR (LOR-2-0459 L)	
											94		94		202	98200	94	FT	REMOVAL MISC.: JOINT SEALER	34
											94		94		409	30000	94	FT	SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS	
											414		414		512	10100	414	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
											1,483		1,483		512	73500	1,483	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN	
											414		414		512	74000	414	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES	
											1,062		1,062		512	74500	1,062	FT	REMOVAL OF EXISTING PAVEMENT MARKING	
											94		94		516	31000	94	FT	JOINT SEALER	
											2		2		SPECIAL	51912510	2	SY	PATCHING CONCRETE BRIDGE DECK, TYPE B OR C	34
																			STRUCTURE REPAIR (LOR-2-0459 R)	
											94		94		202	98200	94	FT	REMOVAL MISC.: JOINT SEALER	34
											94		94		409	30000	94	FT	SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS	
											409		409		512	10100	409	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
											1,465		1,465		512	73500	1,465	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN	
											409		409		512	74000	409	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES	
											1,050		1,050		512	74500	1,050	FT	REMOVAL OF EXISTING PAVEMENT MARKING	
											94		94		516	31000	94	FT	JOINT SEALER	
											1		1		SPECIAL	51912510	1	SY	PATCHING CONCRETE BRIDGE DECK, TYPE B OR C	34
																			STRUCTURE REPAIR (LOR-2-0646 L)	
											80		80		202	98200	80	FT	REMOVAL MISC.: JOINT SEALER	34
											76		76		409	30000	76	FT	SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS	
											206		206		512	10100	206	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
											659		659		512	73500	659	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN	
											206		206		512	74000	206	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES	
											468		468		512	74500	468	FT	REMOVAL OF EXISTING PAVEMENT MARKING	
											80		80		516	31000	80	FT	JOINT SEALER	
											130		130		519	11100	130	SF	PATCHING CONCRETE STRUCTURE	
											1		1		SPECIAL	51912510	1	SY	PATCHING CONCRETE BRIDGE DECK, TYPE B OR C	34
																			STRUCTURE REPAIR (LOR-2-0646 R)	
											10		10		202	32000	10	FT	CURB REMOVED	
											80		80		202	98200	80	FT	REMOVAL MISC.: JOINT SEALER	34
											76		76		409	30000	76	FT	SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS	
											206		206		512	10100	206	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
											659		659		512	73500	659	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN	
											206		206		512	74000	206	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES	
											468		468		512	74500	468	FT	REMOVAL OF EXISTING PAVEMENT MARKING	
											80		80		516	31000	80	FT	JOINT SEALER	
											110		110		519	11100	110	SF	PATCHING CONCRETE STRUCTURE	
											1		1		SPECIAL	51912510	1	SY	PATCHING CONCRETE BRIDGE DECK, TYPE B OR C	34
											10		10		609	14000	10	FT	CURB, TYPE 2-A	
																			STRUCTURE REPAIR (LOR-2-0742 L)	
											78		78		202	98200	78	FT	REMOVAL MISC.: JOINT SEALER	34
											78		78		409	30000	78	FT	SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS	
											342		342		512	10100	342	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
											954		954		512	73500	954	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN	
											179		179		512	74000	179	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES	
											684		684		512	74500	684	FT	REMOVAL OF EXISTING PAVEMENT MARKING	
											78		78		516	31000	78	FT	JOINT SEALER	
											5		5		SPECIAL	51912510	5	SY	PATCHING CONCRETE BRIDGE DECK, TYPE B OR C	34
																			STRUCTURE REPAIR (LOR-2-0742 R)	

GENERAL SUMMARY

LOR-2-3.86

STRUCTURE REPAIR (LOR-2-0742 R)
QUANTITIES HAVE BEEN MOVED TO
SHEET 15

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SHEET NUM.													PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
7	8	10	11	16	17	19	20	30	31	32	33	01/NHS/P V	02/NHS/B R	03/SAF/O T							
																	STRUCTURE REPAIR (LOR-2-0742 R)				
											78		78	202	98200	78	FT	REMOVAL MISC.: JOINT SEALER	34		
											78		78	409	30000	78	FT	SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS			
											341		341	512	10100	341	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)			
											954		954	512	73500	954	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN			
											341		341	512	74000	341	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES			
											684		684	512	74500	684	FT	REMOVAL OF EXISTING PAVEMENT MARKING			
											8		8	518	31000	78	FT	JOINT SEALER			
											8		8	SPECIAL	51912510	8	SY	PATCHING CONCRETE BRIDGE DECK, TYPE B OR C	34		
																		MAINTENANCE OF TRAFFIC			
				600								600		614	11110	600	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE			
		250										250		614	13000	250	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC			
		2	10									12		614	18601	12	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	11		
											25.94		25.94	614	20560	25.94	MILE	WORK ZONE LANE LINE, CLASS III, 6", 642 PAINT			
											60.58		60.58	614	22360	60.58	MILE	WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT			
											11,610		11,610	614	23690	11,610	FT	WORK ZONE CHANNELIZING LINE, CLASS III, 12", 642 PAINT			
											3,750		3,750	614	25620	3,750	FT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS III, 642 PAINT			
											720		720	614	26610	720	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT			
											63		63	614	30650	63	EACH	WORK ZONE ARROW, CLASS III, 642 PAINT			
			25									25		808	18700	25	SNMT	DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY			
																		INCIDENTALS			
												LS	LS	LS	614	11000	LS	MAINTAINING TRAFFIC			
												4	1		619	16010	5	MNTH	FIELD OFFICE, TYPE B		
												LS	LS	LS	623	10000	LS	CONSTRUCTION LAYOUT STAKES AND SURVEYING			
												LS			623	10001	LS	CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN	8		
												LS	LS	LS	624	10000	LS	MOBILIZATION			

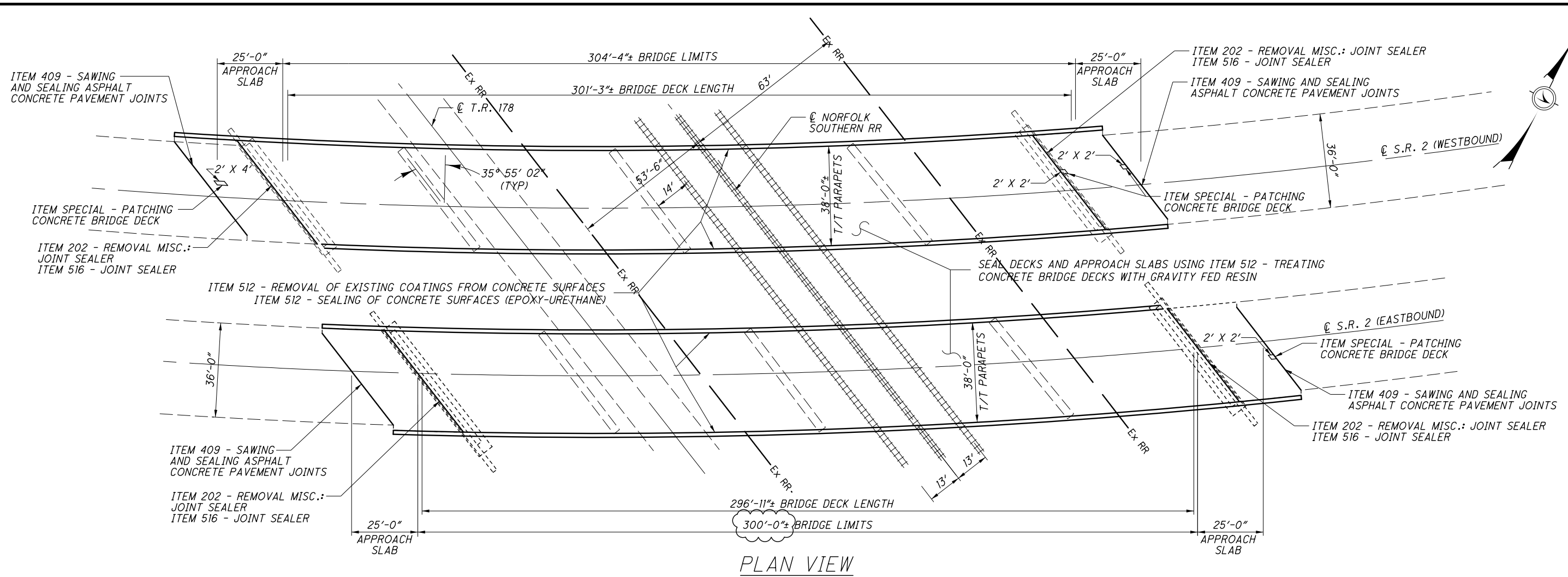
GENERAL SUMMARY

LOR-2-3.86

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				STRUCTURE DESCRIPTION & QUANTITY					
				LOR-2-0459 (L)	LOR-2-0459 (R)	LOR-2-0646 (L)	LOR-2-0646 (R)	LOR-2-0742 (L)	LOR-2-0742 (R)
				SFN: 4700031	SFN: 4700066	SFN: 4700090	SFN: 4700120	SFN: 4700279	SFN: 4700309
				OVER NORFOLK SOUTHERN RR AND T.R. 178	OVER NORFOLK SOUTHERN RR AND T.R. 178	OVER BEAVER CREEK	OVER BEAVER CREEK	OVER S.R. 58	OVER S.R. 58
ITEM	ITEM DESCRIPTION	TOTAL	UNIT						
202	CURB REMOVED	10	FT				10		
202	REMOVAL MISC.: JOINT SEALER	504	FT	94	94	80	80	78	78
409	SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS	496	FT	94	94	76	76	78	78
512	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	1918	SY	414	409	206	206	342	341
512	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN	6174	SY	1483	1465	659	659	954	954
512	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES	1755	SY	414	409	206	206	179	341
512	REMOVAL OF EXISTING PAVEMENT MARKING	4416	FT	1062	1050	468	468	684	684
516	JOINT SEALER	504	FT	94	94	80	80	78	78
519	PATCHING CONCRETE STRUCTURE	240	SF			130	110		
SPECIAL	PATCHING CONCRETE BRIDGE DECK, TYPE B OR C	18	SY	2	1	1	1	5	8
609	CURB, TYPE 2-A	10	FT				10		

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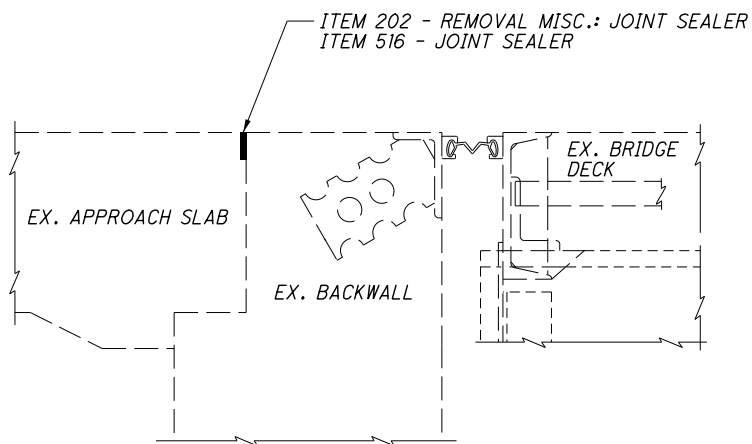
PLAN VIEW

- NOTES:
- 1) THE EXISTING APPROACH GUARDRAIL IS NOT SHOWN FOR CLARITY.
 - 2) THE CONCRETE REPAIRS SHOWN ARE APPROXIMATE. EXACT LOCATIONS AND DIMENSIONS OF REPAIRS ARE TO BE DETERMINED BY THE ENGINEER.
 - 3) THE EXISTING, PROPOSED AND TEMPORARY MINIMUM VERTICAL CLEARANCE FOR THE RAILROAD TRACK IS 23'. THE PROPOSED WORK WILL NOT AFFECT RAILROAD OPERATIONS.

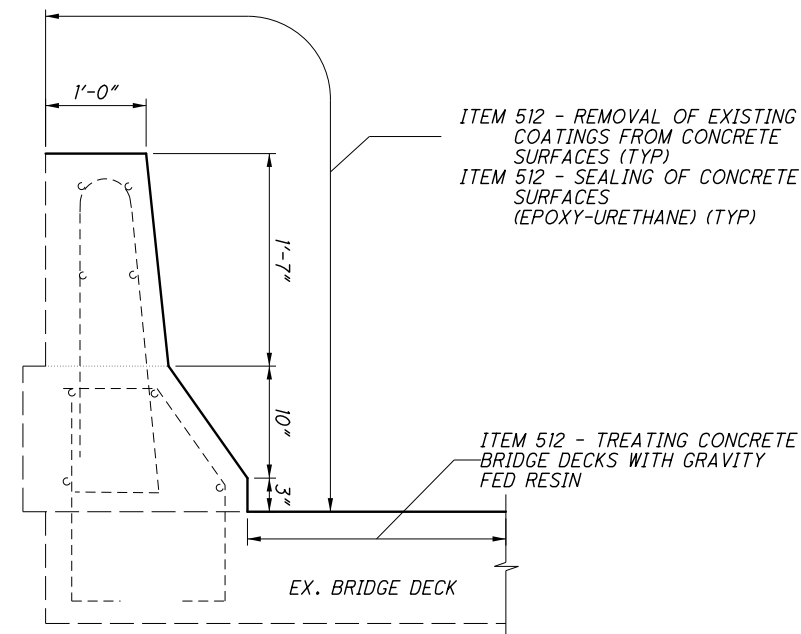
4) SEAL ENTIRE BRIDGE DECK AND APPROACH SLABS WITH ITEM 512 - TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN. REMOVE EXISTING PAVEMENT MARKINGS WITH ITEM 512 - REMOVAL OF EXISTING PAVEMENT MARKING.

5) PERFORM ITEM 409 - SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS AFTER PROPOSED PAVEMENT IS PLACED AND ACCEPTED BY THE DEPARTMENT. ANY SAWED AND SEALED JOINTS REMOVED BY NEED OF UNSATISFACTORILY PLACED AND UNACCEPTED SURROUNDING ASPHALT CONCRETE WILL NOT BE PAID FOR BY THE DEPARTMENT, INCLUDING THE COST OF REMOVAL OF THE JOINT.

ITEM	QUANTITY		UNIT	DESCRIPTION
	LOR-2-0459L	LOR-2-0459R		
202	94	94	FT	REMOVAL MISC.: JOINT SEALER
409	94	94	FT	SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS
512	414	409	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)
512	1483	1465	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN
512	114	109	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES
512	1062	1050	FT	REMOVAL OF EXISTING PAVEMENT MARKING
516	94	94	FT	JOINT SEALER
SPECIAL	2	1	SY	PATCHING CONCRETE BRIDGE DECK, TYPE B OR C

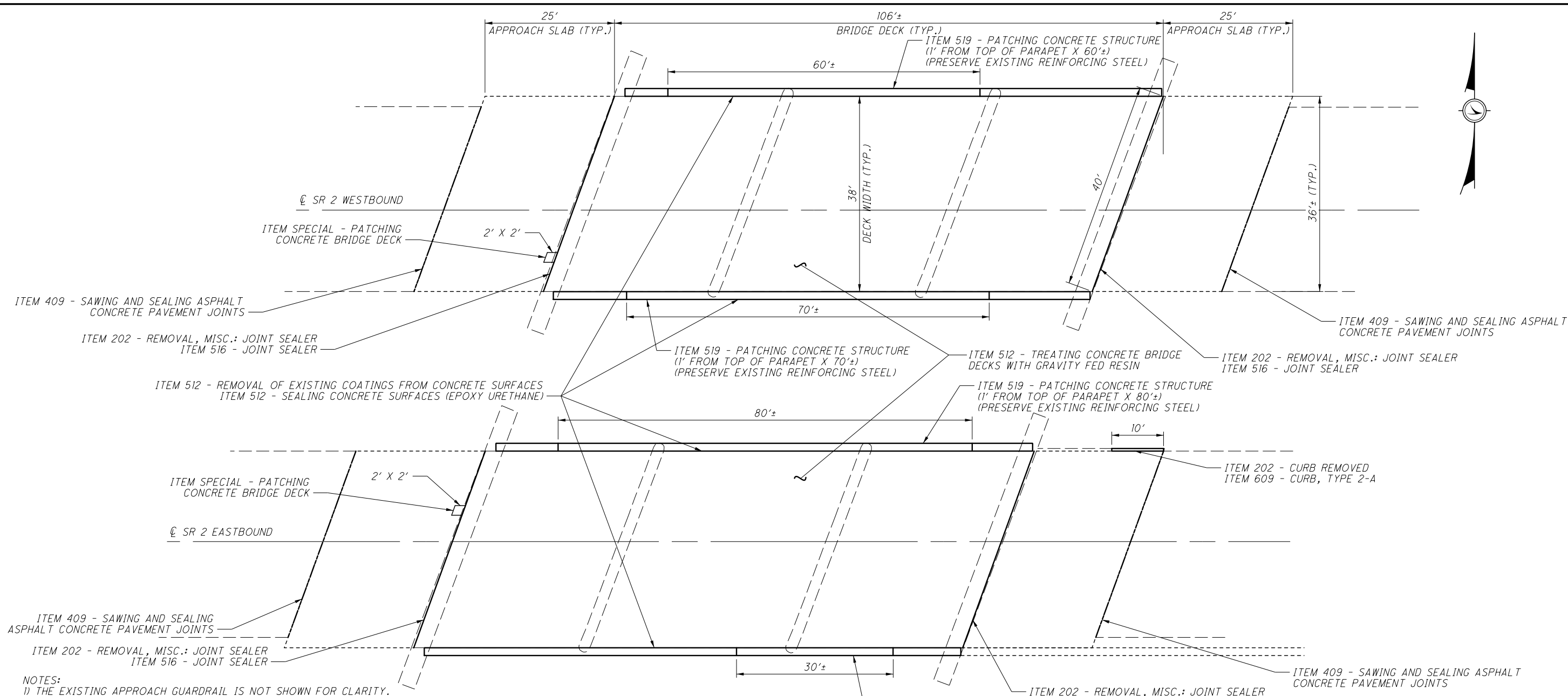


JOINT SEALER DETAIL



PARAPET SEALING DETAIL

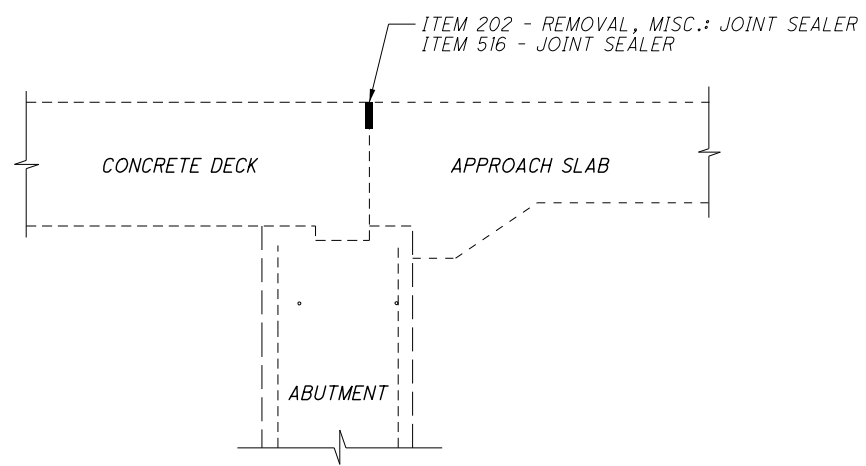
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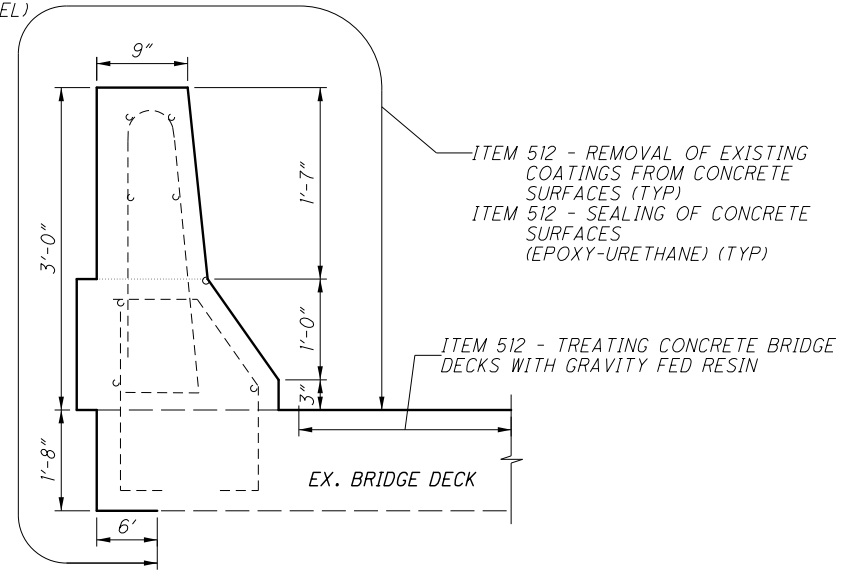
PLAN VIEW

- NOTES:
- 1) THE EXISTING APPROACH GUARDRAIL IS NOT SHOWN FOR CLARITY.
 - 2) THE CONCRETE REPAIRS SHOWN ARE APPROXIMATE. EXACT LOCATIONS AND DIMENSIONS OF REPAIRS ARE TO BE DETERMINED BY THE ENGINEER.
 - 3) SEAL ENTIRE BRIDGE DECK AND APPROACH SLABS WITH ITEM 512 - TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN. REMOVE EXISTING PAVEMENT MARKINGS WITH ITEM 512 - REMOVAL OF EXISTING PAVEMENT MARKING.
 - 4) THE CURB REPAIR AT STRUCTURE LOR-2-0646 R SHALL BE PERFORMED BEFORE THE SEALING WITH GRAVITY FED RESIN.
 - 5) PERFORM ITEM 409 - SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS AFTER PROPOSED PAVEMENT IS PLACED AND ACCEPTED BY THE DEPARTMENT. ANY SAWED AND SEALED JOINTS REMOVED BY NEED OF UNSATISFACTORILY PLACED AND UNACCEPTED SURROUNDING ASPHALT CONCRETE WILL NOT BE PAID FOR BY THE DEPARTMENT, INCLUDING THE COST OF REMOVAL OF THE JOINT.

ITEM	QUANTITY		UNIT	DESCRIPTION
	LOR-2-0646L	LOR-2-0646R		
202		10	FT	CURB REMOVED
202	80	80	FT	REMOVAL MISC.: JOINT SEALER
409	76	76	FT	SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS
512	206	206	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)
512	659	659	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN
512	206	206	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES
512	468	468	FT	REMOVAL OF EXISTING PAVEMENT MARKING
516	80	80	FT	JOINT SEALER
519	130	110	SF	PATCHING CONCRETE STRUCTURE
SPECIAL	1	1	SY	PATCHING CONCRETE BRIDGE DECK, TYPE B OR C
609		10	FT	CURB, TYPE 2-A

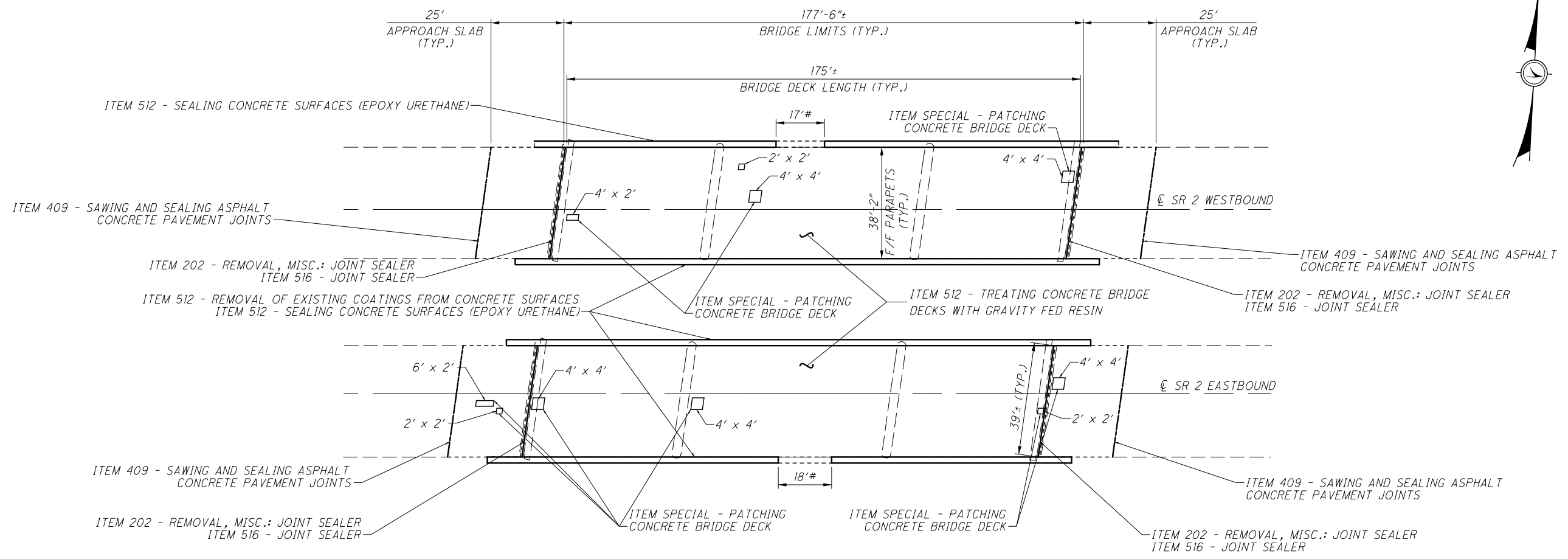


JOINT SEALER DETAIL



PARAPET SEALING DETAIL

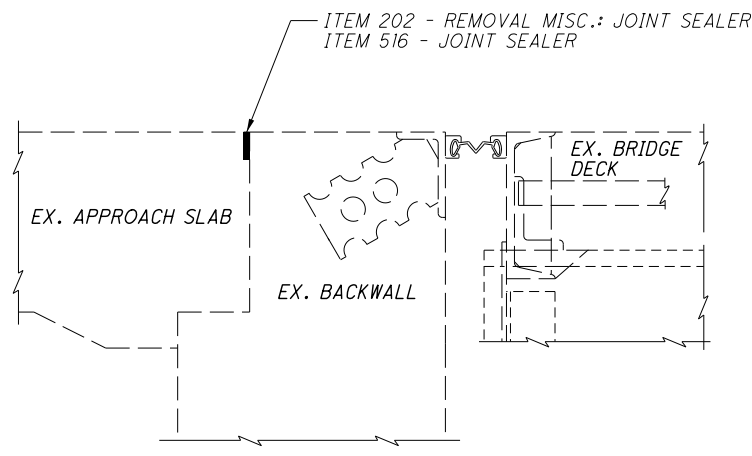
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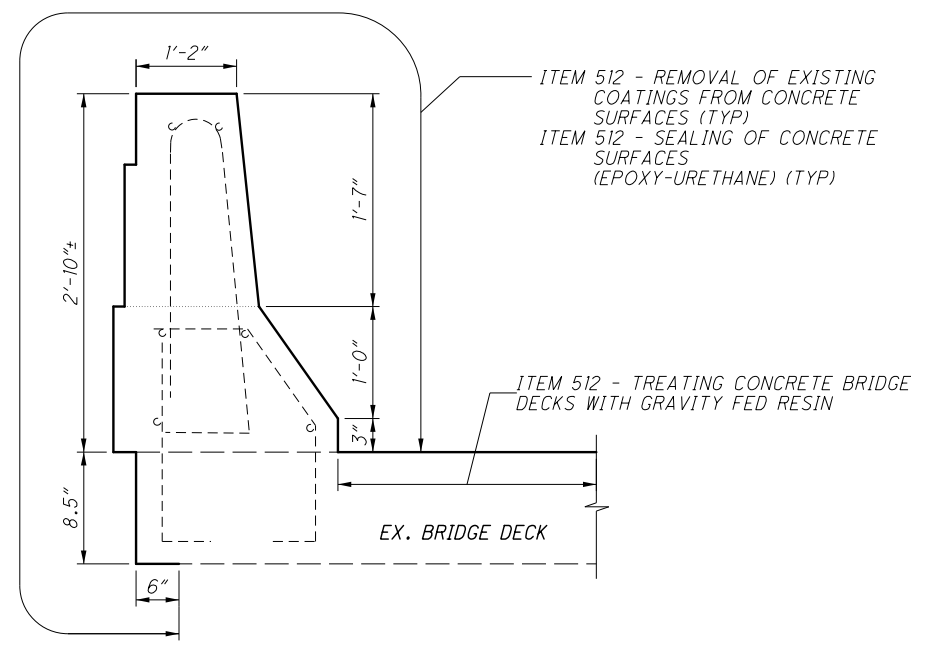
PLAN VIEW

- NOTES:
- 1) THE EXISTING APPROACH GUARDRAIL IS NOT SHOWN FOR CLARITY.
 - 2) THE CONCRETE REPAIRS SHOWN ARE APPROXIMATE. EXACT LOCATIONS AND DIMENSIONS OF REPAIRS ARE TO BE DETERMINED BY THE ENGINEER.
 - 3.) # SUSPEND AND RESUME PARAPET SEALING AT OVERHEAD SIGN.
 - 4.) SEAL ENTIRE BRIDGE DECK AND APPROACH SLABS WITH ITEM 512 - TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN. REMOVE EXISTING PAVEMENT MARKINGS WITH ITEM 512 - REMOVAL OF EXISTING PAVEMENT MARKING.
 - 5.) PERFORM ITEM 409 - SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS AFTER PROPOSED PAVEMENT IS PLACED AND ACCEPTED BY THE DEPARTMENT. ANY SAWED AND SEALED JOINTS REMOVED BY NEED OF UNSATISFACTORILY PLACED AND UNACCEPTED SURROUNDING ASPHALT CONCRETE WILL NOT BE PAID FOR BY THE DEPARTMENT, INCLUDING THE COST OF REMOVAL OF THE JOINT.

ITEM	QUANTITY		UNIT	DESCRIPTION
	LOR-2-0742L	LOR-2-0742R		
202	78	78	FT	REMOVAL MISC.: JOINT SEALER
409	78	78	FT	SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS
512	342	341	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)
512	954	954	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN
512	179	341	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES
512	684	684	FT	REMOVAL OF EXISTING PAVEMENT MARKING
516	78	78	FT	JOINT SEALER
SPECIAL	5	8	SY	PATCHING CONCRETE BRIDGE DECK, TYPE B OR C



JOINT SEALER DETAIL



PARAPET SEALING DETAIL

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