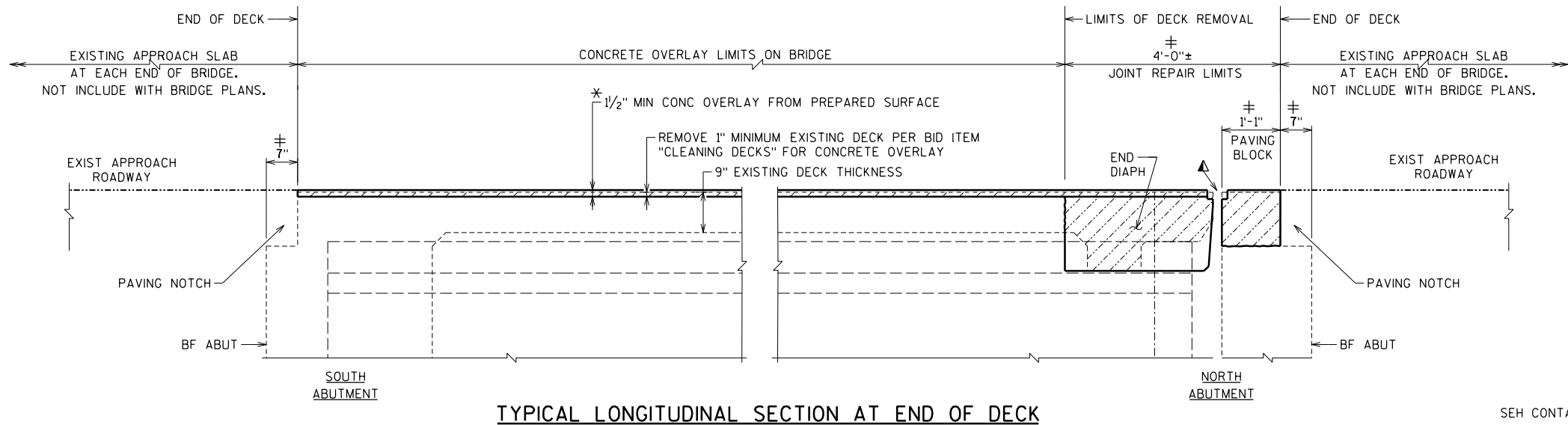
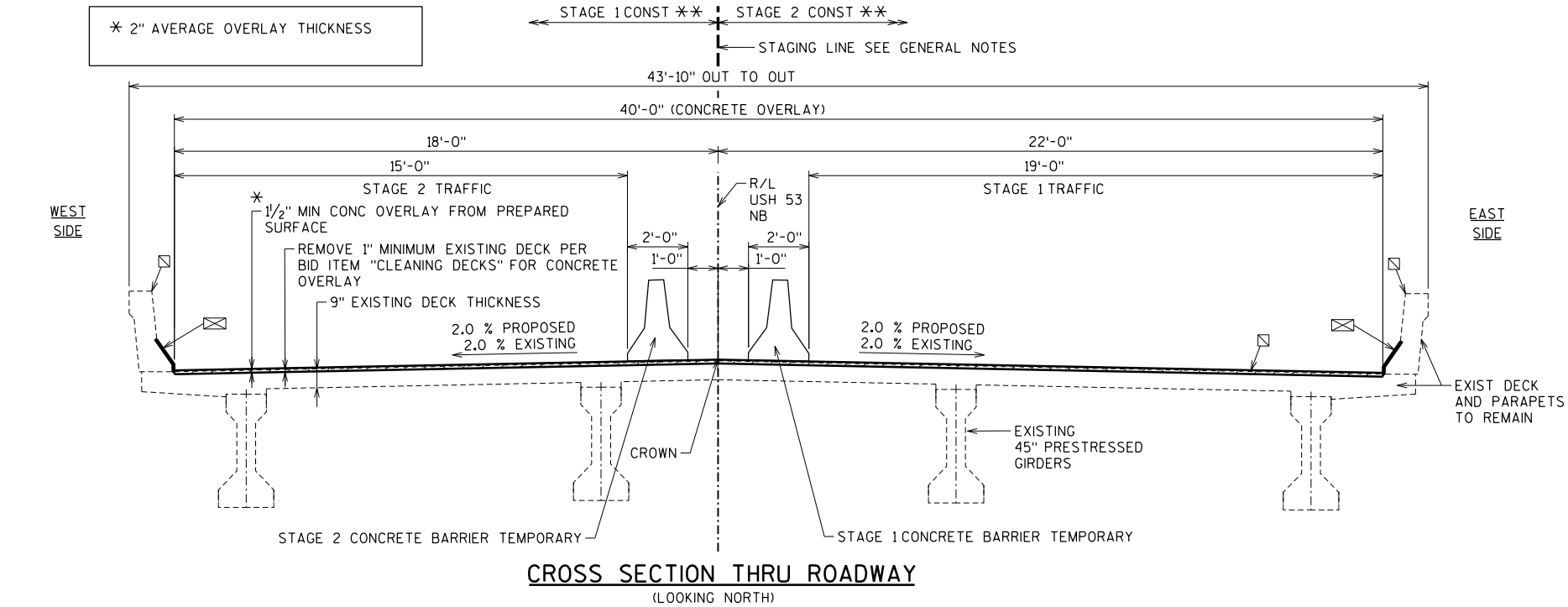
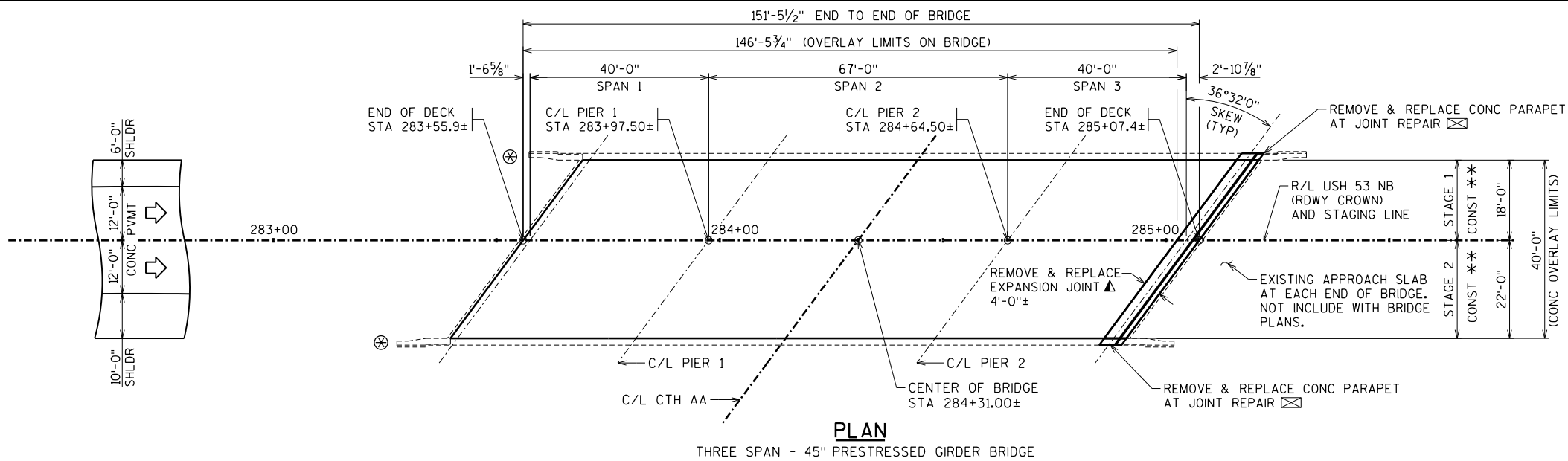


PLOT TIME: 2:54:44 PM

PLOT DATE: 2/2/2019

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8



SEH CONTACT: CHRIS BLUM, PE, 608.620.6192
WISDOT BRIDGE OFFICE CONTACT: BILL DREHER, PE, 608.266.8489

STATE PROJECT NUMBER

1196-05-77

LEGEND

⊗ ADD THRIE BEAM GUARD CONNECTION TO PARAPET. SOUTH SIDE ONLY. USE BOLT THRU SYSTEM. FOR DETAILS, BID ITEMS AND QUANTITIES SEE ROADWAY PLANS.

** SEE ROADWAY PLANS FOR TRAFFIC CONTROL STAGING.

INDICATES REMOVAL

COAT EXISTING PARAPET WITH "PIGMENTED SURFACE SEALER" COAT CONCRETE OVERLAY WITH "PROTECTIVE SURFACE TREATMENT" PER THE STANDARD SPECIFICATIONS, SEE NOTES ON SHEETS 2.

COVER PLATES REQUIRED AT PARAPET

± DIMENSIONS GIVEN ARE NORMAL TO C/L OF SUBSTRUCTURE UNIT.

▲ NEW STRIP SEAL EXPANSION DEVICE

DESIGN DATA

LIVE LOAD: HS20

DESIGN LOADING:

INVENTORY RATING RF = -

OPERATING RATING RF = -

WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = - KIPS

MATERIAL PROPERTIES:

CONCRETE MASONRY - SUPERSTRUCTURE f'c = 4,000 psi
- OVERLAY f'c = 4,000 psi
- ALL OTHER f'c = 3,500 psi

LIST OF DRAWINGS

- DECK OVERLAYS
- NOTES AND QUANTITIES

TRAFFIC DATA

ADT (2020) = 5540
ADT (2040) = 6920
DHV = 710
DD = 61/39
T = 25.39 %
DESIGN SPEED = 70 MPH

NO.	DATE	REVISION	BY
 SHORT ELLIOTT HENDRICKSON INC.			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
ACCEPTED		CHIEF STRUCTURES DESIGN ENGINEER	DATE
STRUCTURE B-3-17			
U.S.H. 53 N.B. OVER C.T.H. AA			
COUNTY	BARRON	TOWN/CITY/VILLAGE	DOVRE
DESIGN SPEC. REHABILITATION N/A			
DESIGNED BY	DESIGN CK'D.	DRAWN BY	DLF
			PLANS CK'D. CJB
DECK OVERLAYS			SHEET 1 OF 2

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS AND INSPECTION REPORTS. EXISTING BRIDGE PLANS AVAILABLE AT WISDOT.

STATIONING MAY VARY BASED ON EXACT LOCATION OF BRIDGE TO PROPOSED ALIGNMENT.

CONTRACTOR TO VERIFY EXISTING UTILITY LOCATIONS.

ANY EXCAVATION REQUIRED TO COMPLETE THE DECK AND APPROACH SLABS OVERLAY AT THE ABUTMENTS, TO BE CONSIDERED INCIDENTAL TO THE BID ITEM "CONCRETE MASONRY OVERLAY DECKS".

A MINIMUM OF 1-INCH OF CONCRETE SHALL BE REMOVED FROM THE ENTIRE BRIDGE DECK UNDER THE BID ITEM "CLEANING DECKS". CONTRACTOR TO VERIFY COMPLETENESS OF REMOVALS WITH THE FIELD ENGINEER.

PREPARATION DECKS TYPE 1, PREPARAION DECKS TYPE 2, CONCRETE SURFACE REPAIR AND FULL-DEPTH DECK REPAIR AS DETERMINED, LOCATED, MARKED AND MEASURED BY THE FIELD ENGINEER. DECK PREPARATION AND FULL-DEPTH DECK PREPAIRS SHALL BE FILLED WITH "CONCRETE MASONRY OVERLAY DECKS".

BOTTOM OF THE EXISTING DECK WILL BE INSPECTED FOR AREAS OF FULL-DEPTH DECK REPAIR PRIOR TO DECK PREPARATION OPERATIONS.

BOTTOM OF THE EXISTING DECK IS TO BE INSPECTED FOR AREAS OF DISTRESS AFTER COMPLETION OF THE DECK PREPARTION AND PRIOR TO OVERLAYING THE BRIDGE.

ALL CONCRETE REMOVAL NOT COVERED WITH A CONCRETE OVERLAY SHALL BE DEFINED BY A 1-INCH DEEP SAW CUT.

THESE STRUCTURE PLANS ARE ONLY THE STRUCTURE REPAIR WORK. ANY ADDITIONAL REMOVAL REQUIRED, OUTSIDE OF THE LIMITS SHOWN IN THESE PLANS MUST BE COORDINATED WITH THE FIELD ENGINEER. FIELD ENGINEER SHOULD BE CONTACTED FOR APPROVAL OF ADDITIONAL REMOVAL.

PROFILE GRADE LINE SHALL BE DETERMINED IN THE FIELD BASED ON A MINIMUM CONCRETE OVERLAY THICKNESS OF 1½" PLACED ABOVE THE DECK SURFACE AFTER SURFACE PREPARATION. EXPECTED AVERAGE OVERLAY THICKNESS IS 2" OR AS GIVEN ON THE PLANS. IF EXPECTED AVERAGE OVERLAY THICKNESS IS EXCEEDED BY MORE THAN ½", CONTACT THE STRUCTURES DESIGN SECTION.

CLEAN ALL LOOSE MATERIAL ON THE DECK AFTER CLEANING OPERATIONS USING HIGH PRESSURE WATER OR AIR, ENSURING ALL FREE-STANDING WATER IS REMOVED PRIOR TO PLACEMENT OF THE CONC OVERLAY AND PIGMENTED SURFACE SEALER.

APPLY "PIGMENTED SURFACE SEALER" TO THE EXISTING CONCRETE PARAPETS PER THE STANDARD SPECIFICATIONS AND AS SHOWN IN THIS PLAN SET.

UTILIZE EXISTING BAR STEEL REINFORCEMENT WHERE SHOWN AND EXTEND 24 BAR DIAMETERS INTO NEW WORK, UNLESS SPECIFIED OTHERWISE.

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

THE FIRST DIGIT OF A THREE DIGIT BAR MARK OR THE FIRST TWO DIGITS OF A FOUR DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

EXPANSION JOINT ASSEMBLY, INCLUDING ANCHOR STUDS AND HARDWARE SHALL BE PAID FOR IN THE LUMP SUM PRICE BID AS "EXPANSION DEVICE B-3-17".

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

SEE ROADWAY PLAN FOR LANE STAGING AND TRAFFIC SHIFT. COORDINATE THESE STRUCTURE PLANS WITH THE ROADWAY STAGING.

TOTAL ESTIMATED QUANTITIES - B-3-17

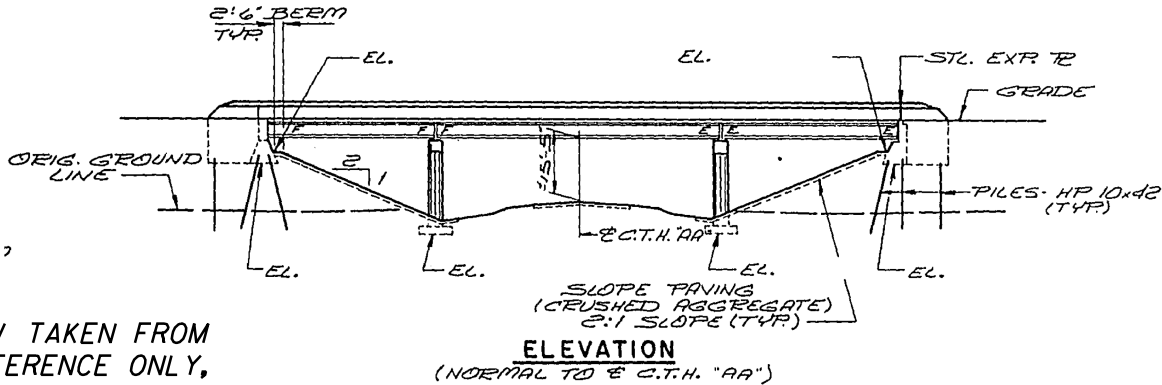
BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
502.3100	EXPANSION DEVICE B-3-17	LS	
④ 502.3200	PROTECTIVE SURFACE TREATMENT	SY	
④ 502.3210	PIGMENTED SURFACE SEALER	SY	
502.4205	ADHESIVE ANCHORS NO. 5 BAR	EA	
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	
③ 509.0301	PREPARATION DECKS TYPE 1	SY	
③ 509.0302	PREPARATION DECKS TYPE 2	SY	
① 509.0500	CLEANING DECKS	SY	
509.1000	JOINT REPAIR	SY	
⑤ 509.1500	CONCRETE SURFACE REPAIR	SF	
⑥ 509.2000	FULL-DEPTH DECK REPAIR	SY	
② 509.2500	CONCRETE MASONRY OVERLAY DECKS	CY	
⑦ 509.9050.S	CLEANING PARAPETS	LF	
	NON-BID ITEMS		
	FILLER	SIZE	½"

QUANTITIES NOTES

- ① BASED ON 1½" DEEP BY LIMITS OF OVERLAY ON DECK.
- ② CONCRETE FOR:
* PREPARATION DECKS TYPE 1 & 2, *FULL-DEPTH DECK REPAIR, AND OVERLAY, AND JOINT REPAIR INCLUDING PAVING BLOCK, OVERLAY AND PARAPET.
- ③ PERTAINS TO DECK.
- ④ FURNISH AND APPLY PIGMENTED SEALER TO FRONT FACE, TOP, AND ENDS OF EXISTING PARAPETS. CLEAN THE INSIDE FACE, TOP AND ENDS OF PARAPET PER BID ITEM "CLEANING PARAPETS". APPLICATION AND QUANTITY FOR PIGMENTED SURFACE SEALER ARE CONSIDERED INCIDENTAL TO BRIDGE BID ITEM " PIGMENTED SURFACE SEALER".

FURNISH AND APPLY A PROTECTIVE SURFACE TREATMENT TO THE ENTIRE TOP SURFACE OF THE NEW DECK AND PAVING BLOCK. APPLICATION AND QUANTITY FOR PROTECTIVE SURFACE TREATMENT ARE CONSIDERED INCIDENTAL TO BRIDGE BID ITEM "PROTECTIVE SURFACE TREATMENT".
- ⑤ AS LOCATED BY FIELD ENGINEER.
- ⑥ UNDISTRIBUTED AMOUNT.
- ⑦ INCLUDES PARAPETS ON WINGWALLS AND DECK.

* THESE QUANTITIES TOTALS ARE AN ESTIMATE AND ARE INCLUDED IN BID ITEM "CONCRETE MASONRY OVERLAY, DECKS".
-PREPARATION DECKS TYPE 1 = CY
-PREPARATION DECKS TYPE 2 = CY
-FULL-DEPTH DECK REPAIR = CY



NOTE:
THIS ELEVATION VIEW TAKEN FROM EXISTING PLANS, REFERENCE ONLY, NOT FOR CONSTRUCTION. INTENT IS TO SHOW CONTRACTOR BENEATH THE BRIDGE

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-3-17			
	DRAWN BY	DLF	PLANS CK'D. CJB
NOTES AND QUANTITIES		SHEET 2 OF 2	