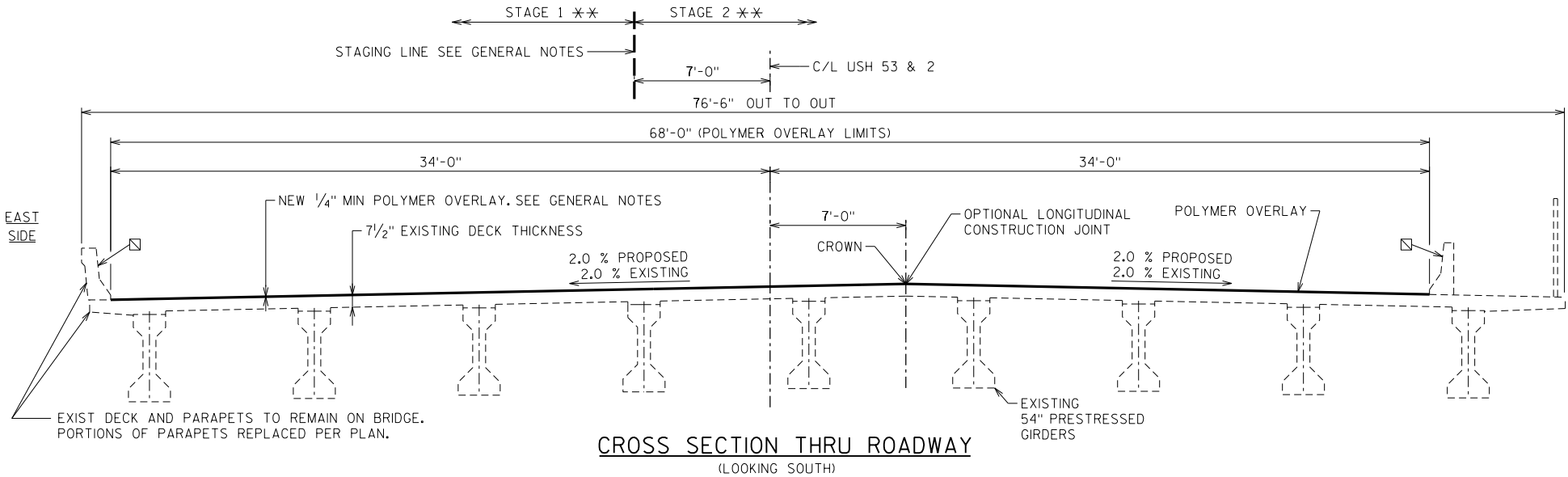


PLAN
THREE SPAN - 54" PRESTRESSED GIRDER BRIDGE



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.

STAGING LINE LOCATION TO BE DETERMINED BY THESE PLANS AND BY THE FIELD ENGINEER. COORDINATE WITH STAGING PLANS.

PREPARATION DECKS TYPE 1, PREPARAION DECKS TYPE 2 AND CONCRETE SURFACE REPAIR, LOCATED, MARKED AND MEASURED BY THE FIELD ENGINEER. DECK PREPARATION AND CONCRETE SURFACE PREPAIRS SHALL BE FILLED WITH "CONCRETE MASONRY BRIDGES".

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

PROFILE GRADE LINE SHALL BE DETERMINED IN THE FIELD BASED ON A MINIMUM 1/4" POLYMER OVERLAY PLACED ON THE DECK AFTER SURFACE PREPARATION. IF EXPECTED AVERAGE OVERLAY THICKNESS IS EXCEEDED BY MORE THAN 1/8", CONTACT THE STRUCTURES DESIGN SECTION.

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

AT THE ABUTMENTS, THE DECK JOINT IS COMPRISED OF A FILLER AND SEALANT, THERE IS NO STRIP SEAL OR COVER PLATED EXPANSION JOINT.

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

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

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

ANY EXCAVATION REQUIRED TO COMPLETE THE DECK OVERLAY AT THE ABUTMENTS TO BE CONSIDERED INCIDENTAL TO THE BID ITEM "POLYMER OVERLAY".

ALL CONCRETE REMOVAL SHALL BE DEFINED BY A 1-INCH DEEP SAW CUT.

TRAFFIC DATA

ADT (2020) = 23,400
ADT (2040) = 26,100
DHV = 2551
DD = 65/35
T = 13.7 %
DESIGN SPEED = 40 MPH

LIST OF DRAWINGS

1 POLYMER OVERLAY

STATE PROJECT NUMBER

1198-03-78

DESIGN DATA

LIVE LOAD: HS20
DESIGN LOADING:
INVENTORY RATING: HS--
OPERATING RATING: HS--
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = --- KIPS
MATERIAL PROPERTIES:
CONCRETE MASONRY - DECK PATCHING --- f'c = 4,000 psi
HIGH STRENGTH BAR STEEL REINFORCEMENT
AASHTO GRADE 60 --- fy = 60,000 psi

** SEE ROADWAY PLANS FOR TRAFFIC CONTROL STAGING

☒ COAT EXISTING PARAPET WITH "PIGMENTED SURFACE SEALER" PER THE STANDARD SPECIFICATIONS

QUANTITIES NOTES

- ① BASED ON LIMITS OF OVERLAY.
- ② INCLUDES DECK SURFACE PREPARATION.
- ③ 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 PER SPEC. APPLICATION AND QUANTITY ARE CONSIDERED INCIDENTAL TO BRIDGE BID ITEM " PIGMENTED SURFACE SEALER".
- ④ AS LOCATED BY FIELD ENGINEER.
- ⑤ INCLUDES PARAPETS ON WINGWALLS AND DECK.
- ⑥ CONCRETE FOR:
-PREPARATION DECKS TYPE 1 = CY
-PREPARATION DECKS TYPE 2 = CY
-CONCRETE SURFACE REPAIR = CY

TOTAL ESTIMATED QUANTITIES - B-16-66

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
⑥ 492.2010.S	SEALING CRACKS AND JOINTS WITH HOT-APPLIED SEALANT	GAL	
⑤ 502.0100	CONCRETE MASONRY BRIDGES	CY	
⑤ 505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	
③ 502.3210	PIGMENTED SURFACE SEALER	SY	
④ 509.0301	PREPARATION DECKS TYPE 1	SY	
④ 509.0302	PREPARATION DECKS TYPE 2	SY	
① 509.0500	CLEANING DECKS	SY	
④ 509.1500	CONCRETE SURFACE REPAIR	SF	
② 509.5100.S	POLYMER OVERLAY	SY	
⑤ 509.9050.S	CLEANING PARAPETS	LF	

NO.	DATE	REVISION	BY
<div>SEH</div> SHORT ELLIOTT HENDRICKSON INC.			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
ACCEPTED _____		DATE _____	
CHIEF STRUCTURES DESIGN ENGINEER			
STRUCTURE B-16-66			
U.S.H. 2 / U.S.H.. 53 / EAST 2ND STREET OVER NEMADJI RIVER			
COUNTY	DOUGLAS	CITY/VILLAGE	SUPERIOR
DESIGN SPEC. REHABILITATION N/A			
DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
		DLF	CJB
POLYMER OVERLAY			SHEET 1 OF 1