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.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

COORDINATE WITH STAGING PLANS.

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

34'-0"

54" PRESTRESSED

GIRDERS

OPTIONAL LONGITUDINAL

CONSTRUCTION JOINT

AT THE ABUTMENTS, THE DECK JOINT IS COMPRISED OF A FILLER AND SEALANT.

303'-1/2" END TO END OF DECK (POLYMER OVERLAY LIMITS)

218+00

THREE SPAN - 54" PRESTRESSED GIRDER BRIDGE

-C/L USH 53 & 2

7'-0"

CROWN -

CZL PIER 2

CENTER OF BRIDGE

STA 218+04.75

STA 218+54.88

99'-71/2'

IEND OF DECK

ELASTIC JOINT SEALER

TYP ON END OF BRIDGE

FOR CONC APPROACH SLAB

TYP EACH END OF BRIDGE.

EXIST DECK AND PARAPETS TO REMAIN ON BRIDGE.

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.

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

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

PORTIONS OF PARAPETS REPLACED PER PLAN.

CONTRACTOR TO VERIFY EXISTING UTILITY LOCATIONS.

DETAILS AT EACH END OF BRIDGE SEE ROADWAY PLANS.

STA 216+53.19

C/L PIER 1

STA 217+54.63

STAGE 1 **

2.0 % PROPOSED

2.0 % EXISTING

STAGING LINE SEE GENERAL NOTES-

34'-0"

-NEW 1/4" MIN POLYMER OVERLAY. SEE GENERAL NOTES

 $7\frac{1}{2}$ " EXISTING DECK THICKNESS

STAGE 2 **

76'-6" OUT TO OUT

68'-0" (POLYMER OVERLAY LIMITS)

CROSS SECTION THRU ROADWAY (LOOKING SOUTH)

1'-93/4''

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

99'-71/2'

-☆

A REPAIR OF PARAPET SECTIONS ON BRIDGE AND WINGS REQUIRED.

DETAILS FOR BRIDGE PARAPET REPAIR. SEE ROADWAY PLANS

FOR PARAPET REPAIR NOT PART OF STRUCTURE PLANS (TYP).

LOCATIONS AS MARKED BY FIELD ENGINEER. SEE SHEET

CONCRETE REPAIR AT DETERIORATED AREA SIZE VARIES AT VARIOUS

END OF DECK

SEAL WITH HOT POURED

ELASTIC JOINT SEALER

TYP ON END OF BRIDGE

₹2-

STA 219+56.31

1'-0"

-C/L USH 53 & 2 X X

CROWN AND

POLYMER OVERLAY

2.0 % PROPOSED

2.0 % EXISTING

OPTIONAL LONGITUDINAL

CONSTRUCTION JOINT

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

> ** 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 = -PREPARATION DECKS TYPE 2 = -CONCRETE SURFACE REPAIR =

TOTAL ESTIMATED QUANTITIES - B-16-66

WEST	BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
SIDE	492.2010.S	SEALING CRACKS AND JOINTS WITH HOT-APPLIED SEALANT	GAL	
6	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	
<u>(4</u>	509.1500	CONCRETE SURFACE REPAIR	SF	
Õ	509.5100.S	POLYMER OVERLAY	SY	
(5)	509.9050.S	CLEANING PARAPETS	LF	

NO. DATE

LIST OF DRAWINGS POLYMER OVERLAY

☆-

24'-0"

SEH

SHORT ELLIOTT HENDRICKSON INC.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-16-66 U.S.H. 2 / U'.S.H. 53 / EAST 2ND STREET

OVER NEMADJI RIVER TOWN/CITY/VILLAGE SUPERIOR COUNTY DESIGN SPEC

REHABILITATION N/A DESIGNED

> POLYMER OVERLAY

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

EAST

SIDE

8

SHEET 1 OF 1

BY