

**DESIGN DATA**

LIVE LOAD:  
 DESIGN LOADING \_\_\_\_\_ HS20  
 INVENTORY RATING \_\_\_\_\_ HS-XX  
 OPERATIONAL RATING \_\_\_\_\_ HS-XX  
 WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) \_\_\_\_\_ XX KIPS

**TRAFFIC DATA:**

A.A.D.T. (2022) = 9,350  
 A.A.D.T. (2042) = 11,300

**MATERIAL PROPERTIES:**

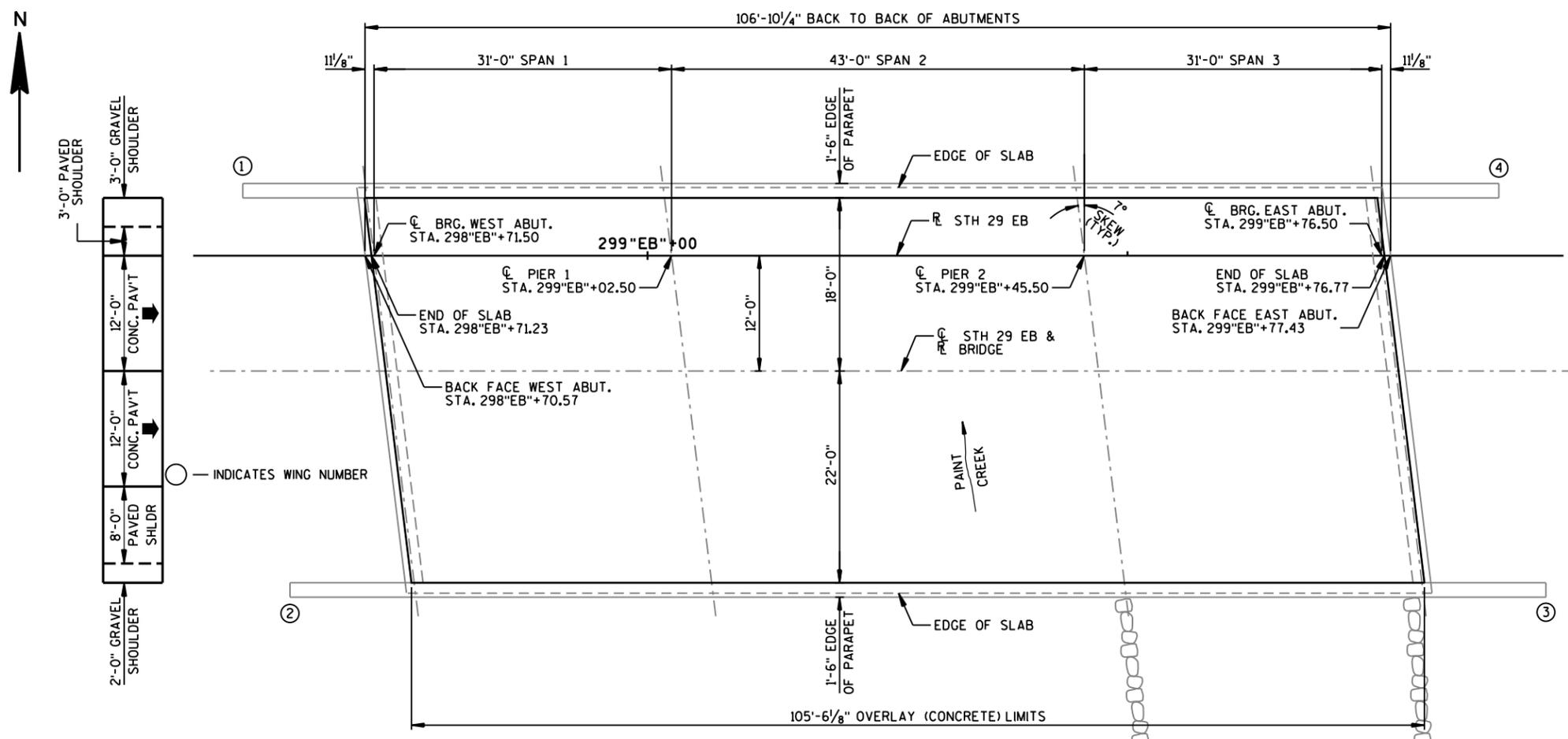
CONCRETE MASONRY - OVERLAY DECKS \_\_\_\_\_ f'c = 4,000 P.S.I.

**LIST OF DRAWINGS**

1. REHAB GENERAL PLAN

**GENERAL NOTES**

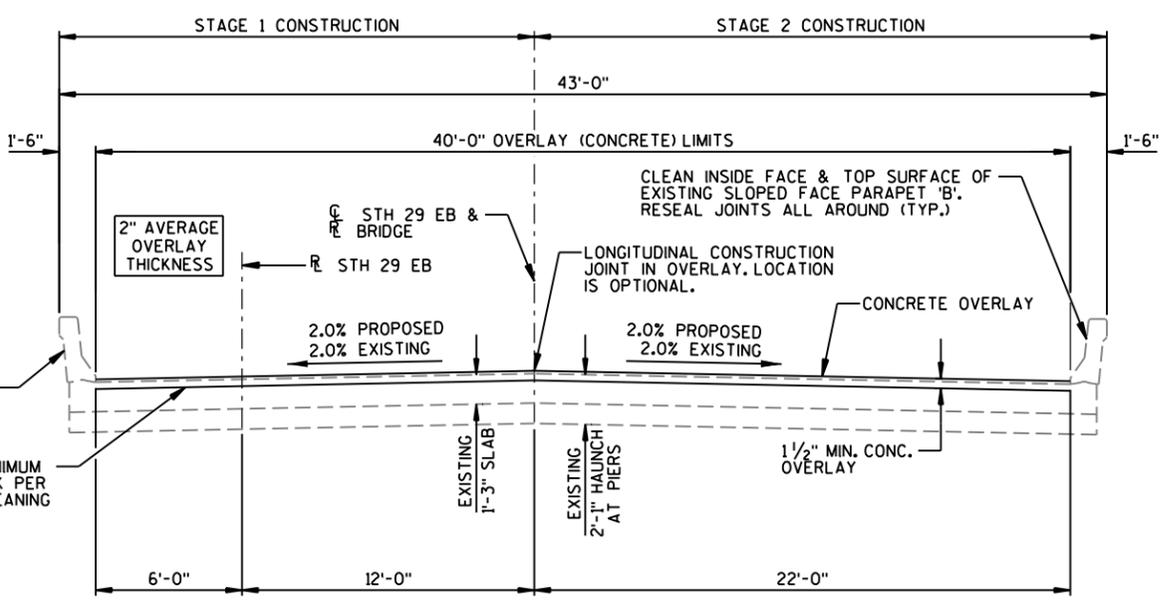
- DRAWINGS SHALL NOT BE SCALED.
- SEE ROAD PLANS FOR TRAFFIC CONTROL.
- DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.
- THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE NOT SHOWN.
- IMPROVEMENTS INCLUDE A CONCRETE DECK OVERLAY OF THE BRIDGE DECK, DECK REPAIRS, CLEANING PARAPETS, AND RIPRAP PLACEMENT.
- THIS PROJECT WILL REHABILITATE THE EXISTING STRUCTURE, B-9-175, A THREE SPAN, 106.85' HAUNCHED CONCRETE SLAB BRIDGE SET ON CONCRETE SILL ABUTMENTS AND CONCRETE COLUMN BENT PIERS.
- PREPARATION DECKS TYPE 1, PREPARATION DECKS TYPE 2 AND FULL-DEPTH DECK REPAIR AREAS ARE BASED ON THE PLANS AND AS DETERMINED BY THE ENGINEER. DECK PREPARATION AND FULL-DEPTH DECK REPAIRS SHALL BE FILLED WITH "CONCRETE MASONRY OVERLAY DECKS".
- CLEAN PARAPETS AND APPLY PIGMENTED SURFACE SEALER TO THE TOP AND ROADWAY FACE OF THE PARAPET.
- PROTECTIVE SURFACE TREATMENT SHALL BE APPLIED TO THE ENTIRE TOP SURFACE OF THE NEW CONCRETE OVERLAY.
- SEAL OVERLAY CONSTRUCTION JOINTS ACCORDING TO SECTION 502.3.13.1 OF THE STANDARD SPECIFICATIONS. COST INCIDENTAL TO BID ITEM "CONCRETE MASONRY OVERLAY DECKS".
- A MINIMUM OF 1-INCH CONCRETE SHALL BE REMOVED FROM THE ENTIRE BRIDGE DECK UNDER THE BID ITEM "CLEANING DECKS".
- THE AVERAGE OVERLAY THICKNESS IS BASED ON THE MINIMUM OVERLAY THICKNESS PLUS 1/2-INCH TO ACCOUNT FOR VARIATIONS IN THE DECK SURFACE.
- PROFILE GRADE LINE SHALL BE DETERMINED IN THE FIELD BASED ON A MINIMUM OVERLAY THICKNESS OF 1/2" PLACED ABOVE THE DECK SURFACE AFTER SURFACE PREPARATION. EXPECTED AVERAGE OVERLAY THICKNESS IS 2". IF EXPECTED AVERAGE OVERLAY THICKNESS IS EXCEEDED BY MORE THAN 1/2", CONTACT THE STRUCTURES DESIGN SECTION.



**PLAN**

(REHAB - CONCRETE OVERLAY ON EXISTING THREE SPAN HAUNCHED SLAB)

INSTALL RIPRAP HEAVY TO STREAMBANK TO FILL SCOUR HOLE AS DIRECTED BY ENGINEER AT SE CORNER APPROX. 60' RT OF R STH 29 EB. INTENT IS TO RESTORE THE CROSS-SECTION ADJACENT TO THE BRIDGE TO WHAT IS SHOWN ON THE AS-BUILT PLANS.



**CROSS SECTION THRU ROADWAY**

(LOOKING EAST)

**TOTAL ESTIMATED QUANTITIES**

ITEM NUMBER	BID ITEM	UNIT	WEST ABUT.	EAST ABUT.	SUPER	TOTAL
203.0225.S.04	DEBRIS CONTAINMENT B-9-175	LS	-	-	-	1
502.3200	PROTECTIVE SURFACE TREATMENT	SY	-	-	469	469
502.3210	PIGMENTED SURFACE SEALER	SY	-	-	104	104
* 509.0301	PREPARATION DECKS TYPE 1	SY	-	-	23	23
* 509.0302	PREPARATION DECKS TYPE 2	SY	-	-	9	9
509.0500	CLEANING DECKS	SY	-	-	469	469
* 509.2000	FULL-DEPTH DECK REPAIR	SY	-	-	1	1
509.2500	CONCRETE MASONRY OVERLAY DECKS	CY	-	-	28	28
509.9050.S	CLEANING PARAPETS	LF	-	-	262	262
606.0300	RIPRAP HEAVY	CY	-	85	-	85

\* QUANTITY LISTED IS AN ESTIMATE. CONTRACTOR SHALL COORDINATE THE FIELD IDENTIFICATION OF ALL DECK REPAIR LOCATIONS WITH THE ENGINEER.

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 BRIDGE OFFICE CONTACT: WILLIAM DREHER (608) 266-8489

NO.	DATE	REVISION	BY

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STATE OF WISCONSIN  
 DEPARTMENT OF TRANSPORTATION  
 ACCEPTED \_\_\_\_\_  
 CHIEF STRUCTURES DESIGN ENGINEER DATE \_\_\_\_\_

**STRUCTURE B-9-175**

STH 29 EB OVER PAINT CREEK

COUNTY CHIPPewa TOWN/CITY/VILLAGE LAFAYETTE

DESIGN SPEC. REHABILITATION - N/A  
 DESIGNED BY XXX DESIGN CK'D. XXX DRAWN BY SSD PLANS CK'D. KHB

REHAB GENERAL PLAN SHEET 1 OF 1