

## 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 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.

DESIGN CONTACT:

KYLE BUSCH  
(608) 216-2063

BRIDGE OFFICE CONTACT:

WILLIAM DREHER  
(608) 266-8489

NO.	DATE	REVISION	BY
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ENGINEERING | ARCHITECTURE | SURVEYING  
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1702 Parkside St. Madison, WI 53704  
(608) 242-7779 www.msa-ps.com  
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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

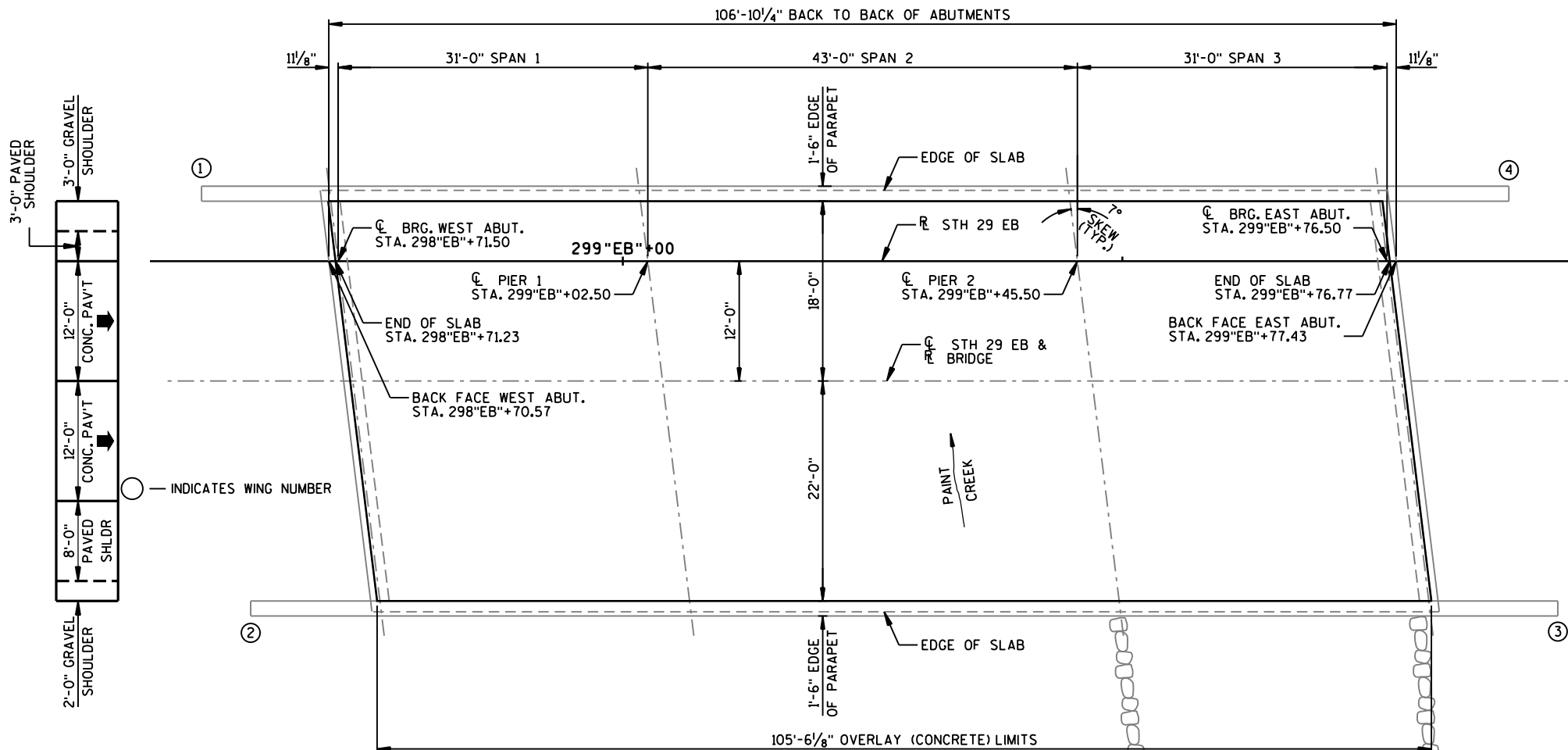
COUNTY CHIPPewa TOWN/CITY/VILLAGE LAFAYETTE

DESIGN SPEC. REHABILITATION - N/A

DESIGNED BY XXX DESIGN CK'D. XXX DRAWN BY SSD PLANS CK'D. KHB

REHAB  
GENERAL PLAN

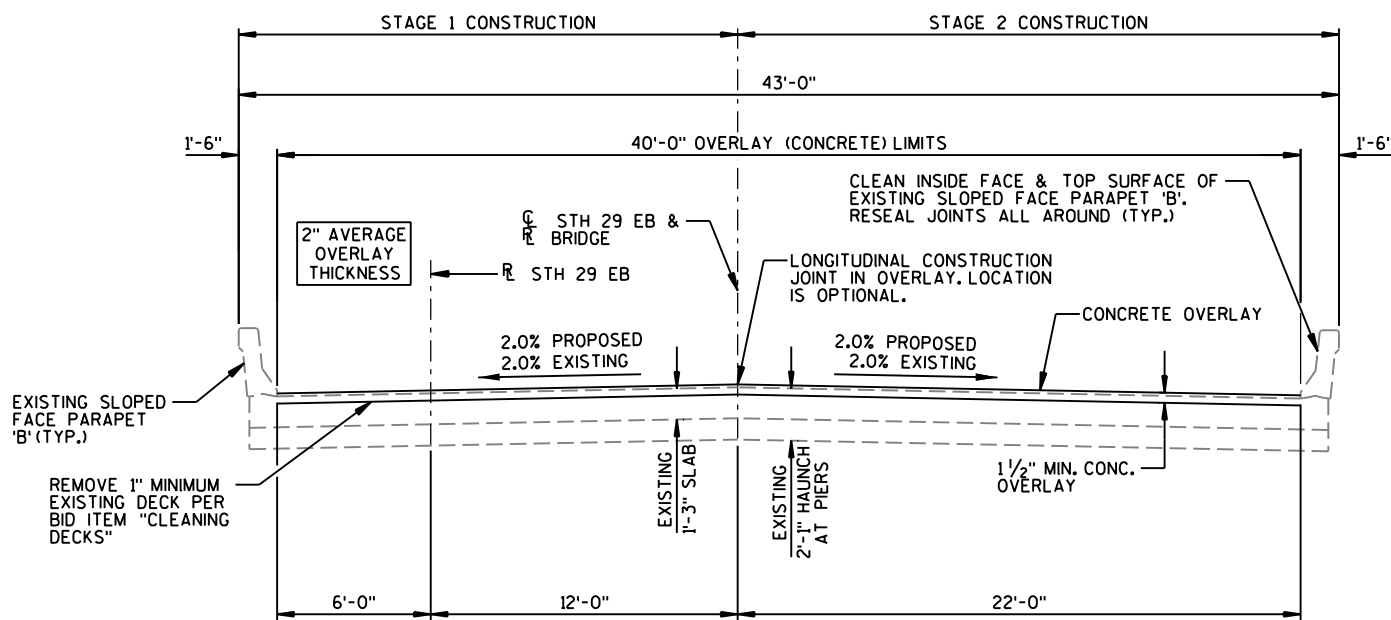
SHEET 1 OF 1



## 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.