

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, AND CLEANING PARAPETS.

THIS PROJECT WILL REHABILITATE THE EXISTING STRUCTURE, B-9-177, A THREE SPAN, 172.31' STEEL DECK GIRDER 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.

DESIGN CONTACT:
KYLE BUSCH
(608) 216-2063

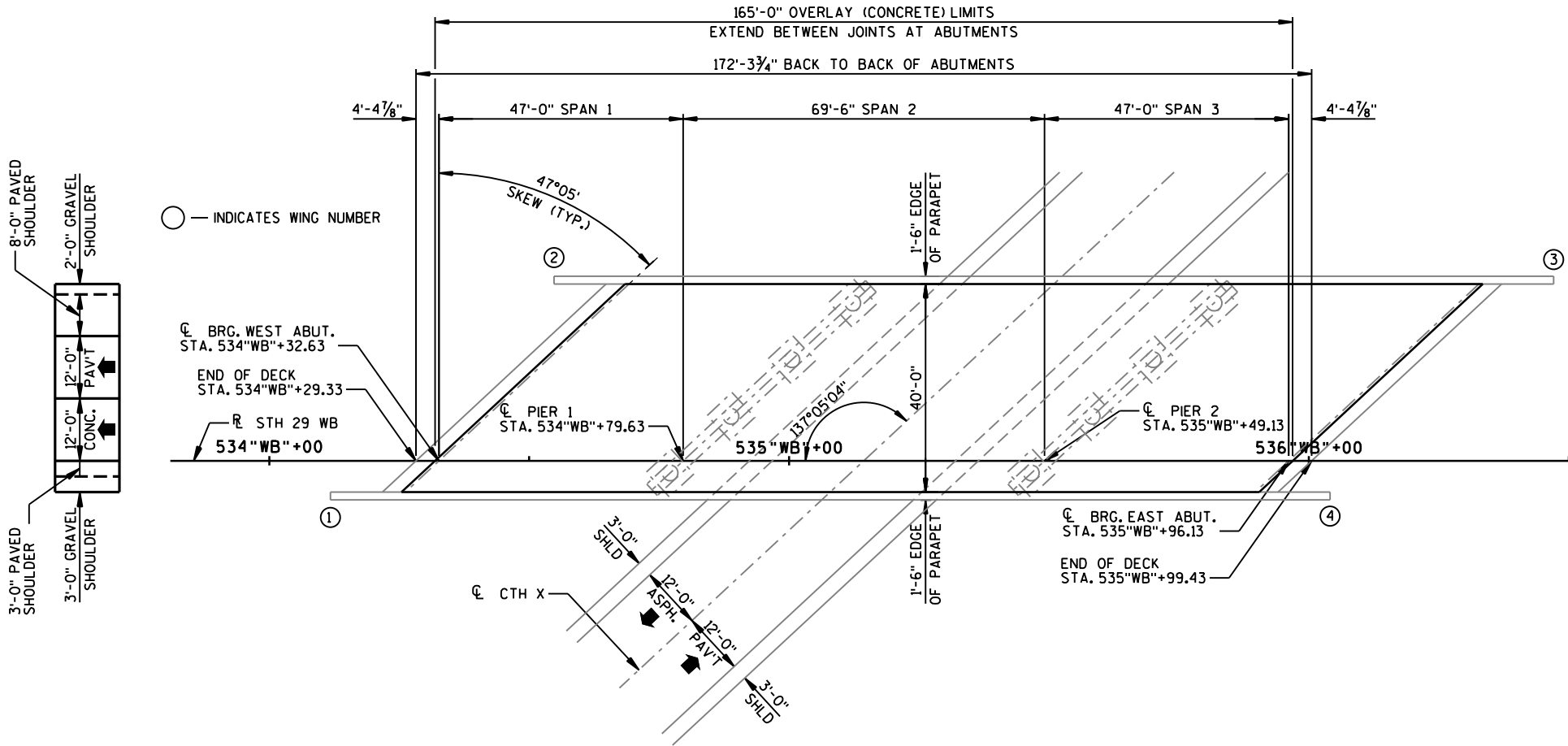
BRIDGE OFFICE CONTACT:
WILLIAM DREHER
(608) 266-8489

NO.	DATE	REVISION	BY
 ENGINEERING ARCHITECTURE SURVEYING FUNDING PLANNING ENVIRONMENTAL 1702 Pankratz St Madison, WI 53704 (608) 242-7779 www.msa-ps.com <small>© MSA Professional Services, Inc.</small>			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
ACCEPTED _____		CHIEF STRUCTURES DESIGN ENGINEER	DATE _____
STRUCTURE B-9-177			
STH 29 WB OVER CTH X			
COUNTY	CHIPPewa	TOWN/CITY/VILLAGE	SIGEL
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

TOTAL ESTIMATED QUANTITIES

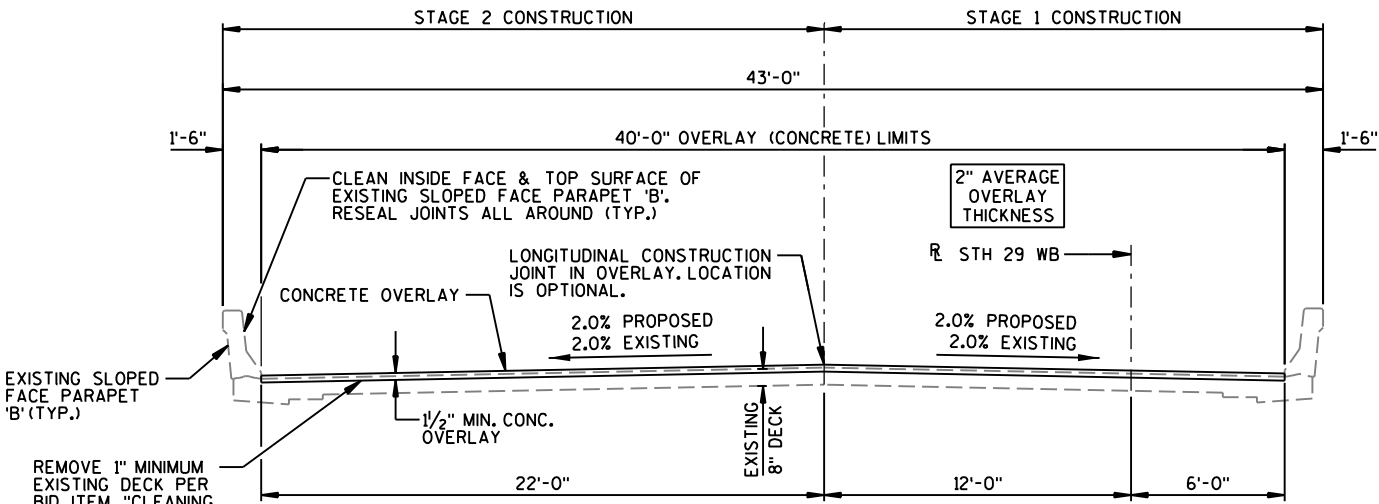
ITEM NUMBER	BID ITEM	UNIT	WEST ABUT.	EAST ABUT.	SUPER	TOTAL
502.3200	PROTECTIVE SURFACE TREATMENT	SY	-	-	733	733
502.3210	PIGMENTED SURFACE SEALER	SY	-	-	154	154
* 509.0301	PREPARATION DECKS TYPE 1	SY	-	-	37	37
* 509.0302	PREPARATION DECKS TYPE 2	SY	-	-	15	15
509.0500	CLEANING DECKS	SY	-	-	733	733
* 509.2000	FULL-DEPTH DECK REPAIR	SY	-	-	1	1
509.2500	CONCRETE MASONRY OVERLAY DECKS	CY	-	-	44	44
509.9050.S	CLEANING PARAPETS	LF	-	-	387	387

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



PLAN

(REHAB - CONCRETE OVERLAY ON EXISTING THREE SPAN STEEL DECK GIRDER)



CROSS SECTION THRU ROADWAY

(LOOKING EAST)