

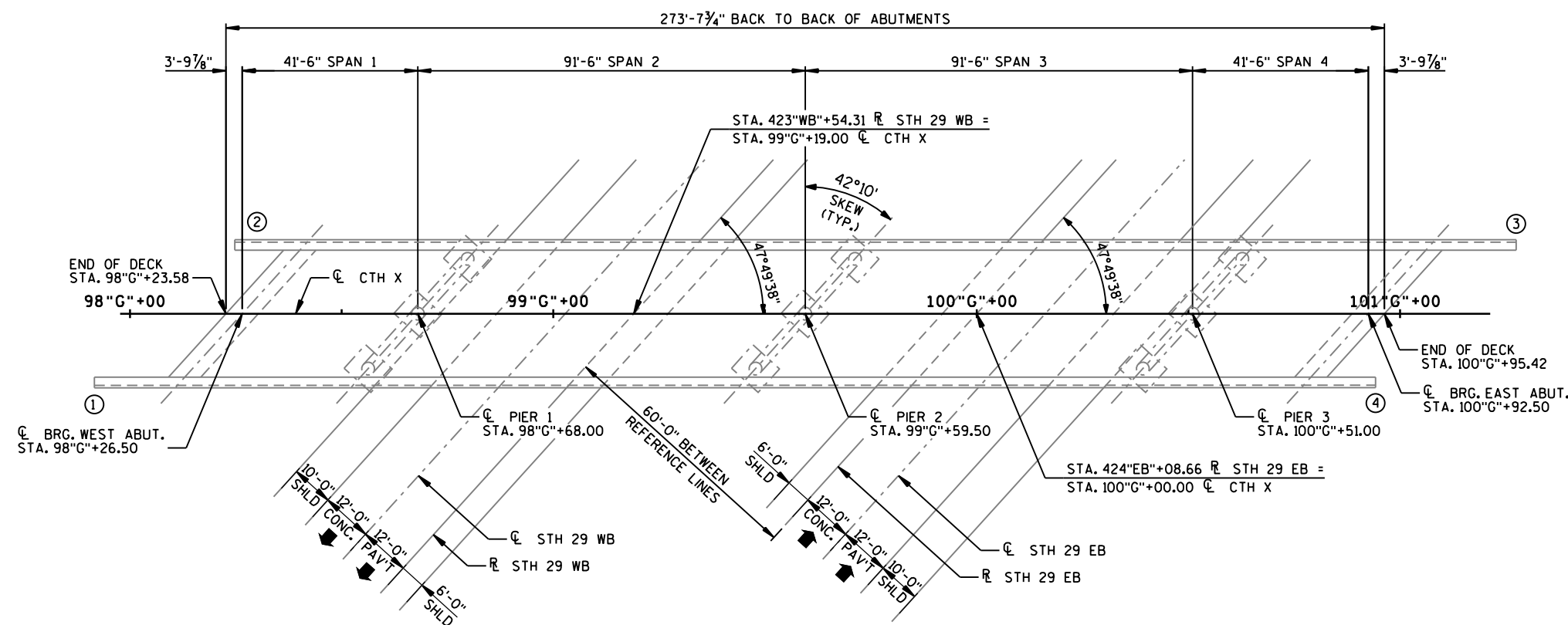
DESIGN LOADING	_____	HS20
INVENTORY RATING	_____	HS-XX
OPERATIONAL RATING	_____	HS-XX
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV)	_____	XX KIPS

<u>STH 29</u>		<u>CTH X</u>	
A.A.D.T. (2022) =	9,350	A.A.D.T. (2022) =	2,800
A.A.D.T. (2042) =	11,300	A.A.D.T. (2042) =	4,160

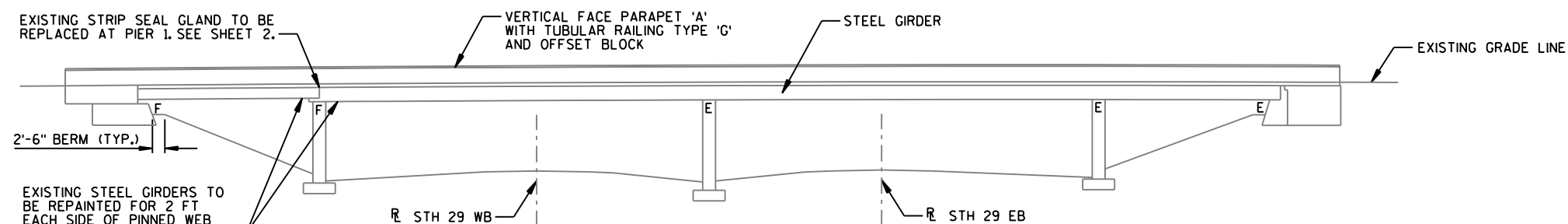
CONCRETE MASONRY - RAPID SET DECK REPAIR —  $f'_c = 3,000$  P.S.I.  
(AT 3 HOURS)

1. REHAB GENERAL PLAN
2. TYPICAL SECTION, QUANTITIES, DETAILS, & NOTES
3. PAINTING DETAILS

○ — INDICATES WING NUMBER



(REHAB - ASPHALT OVERLAY ON EXISTING FOUR SPAN STEEL DECK GIRDER)



**ELEVATION**  
(LOOKING NORTH)

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](http://www.msa-ps.com)  
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STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

ACCEPTED \_\_\_\_\_ DATE \_\_\_\_\_  
CHIEF STRUCTURES DESIGN ENGINEER

STRUCTURE	B-9-19
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CTH X OVER STH 29

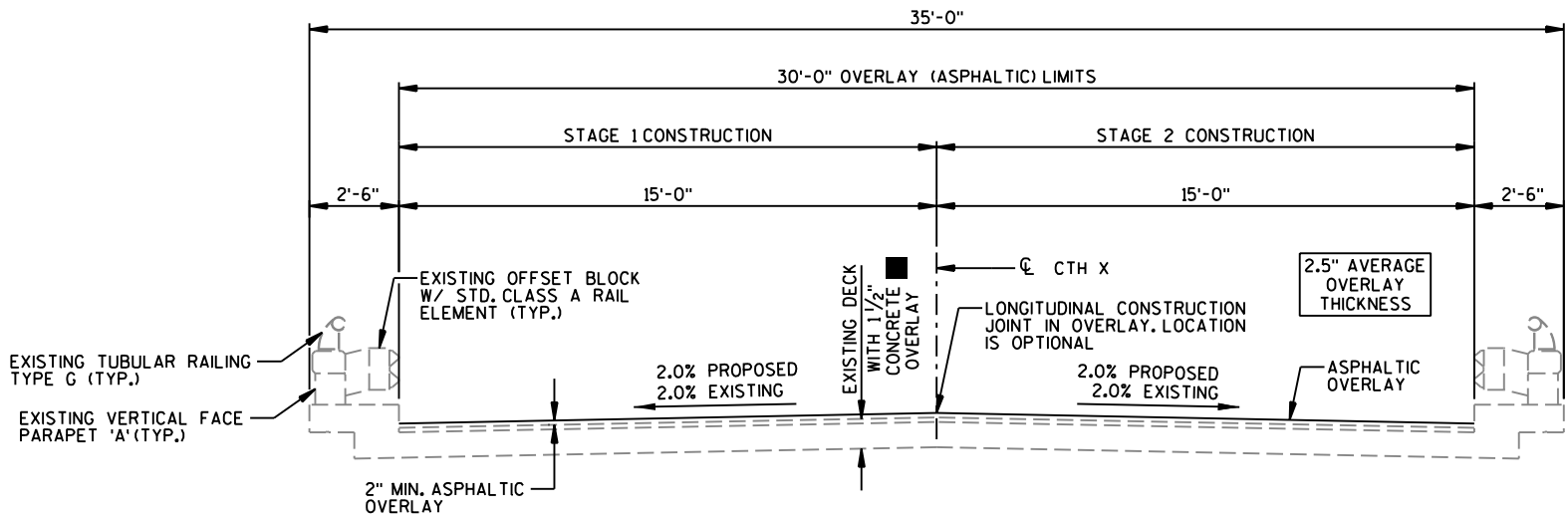
COUNTY	CHIPPEWA	TOWN/CITY/VILLAGE	SIGE
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DESIGN SPEC.	
REHABILITATION - N/A	

DESIGNED BY	XXX	DESIGN CK'D.	XXX	DRAWN BY	SSD	PLANS CK'D.	KHE
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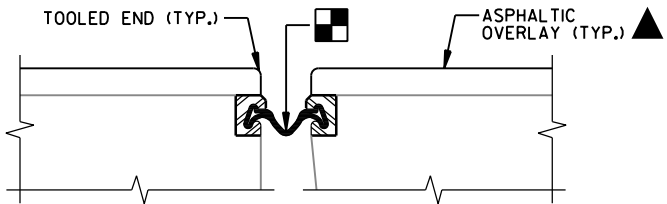
	SHEET 1 OF		
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REHAB	SHEET 1 OF
GENERAL PLAN	



CROSS SECTION THRU ROADWAY  
(LOOKING EAST)

- 1 1/2" EXISTING CONCRETE OVERLAY THICKNESS IS BASED ON THE AS-BUILT PLANS.
- SPAN 1 - ORIGINAL DECK THICKNESS BEFORE CONCRETE OVERLAY WAS 8 1/2".
- SPANS 2 - 4 - ORIGINAL DECK THICKNESS BEFORE CONCRETE OVERLAY WAS 7 1/2". THICKNESS OF ORIGINAL DECK MILLED PRIOR TO EXISTING CONCRETE OVERLAY PLACEMENT IS UNKNOWN.



SECTION THRU JOINT AT PIER 1

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 DECK REPAIRS, AN ASPHALTIC OVERLAY OF THE BRIDGE DECK, JOINT REPAIRS, AND PAINTING OF THE GIRDERS NEAR THE PIN CONNECTIONS.

THIS PROJECT WILL REHABILITATE THE EXISTING STRUCTURE, B-9-19, A FOUR SPAN, 273.65' STEEL DECK GIRDER BRIDGE SET ON CONCRETE SILL ABUTMENTS AND CONCRETE COLUMN BENT PIERS.

EXISTING CONCRETE OVERLAY SHALL REMAIN.

NO SHEET MEMBRANE WATERPROOFING, NO REPAIR TO THE CURBS OR RAILINGS ON THE BRIDGE.

AREAS OF "PREPARATION DECKS TYPE 1" SHALL BE DEFINED BY A SAW CUT.

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 RAPID SET DECK REPAIR".

THE PLAN QUANTITY FOR THE BID ITEM "ASPHALTIC SURFACE" IS BASED ON THE AVERAGE OVERLAY THICKNESS.

PROFILE GRADE LINE SHALL BE DETERMINED IN THE FIELD BASED ON A MINIMUM OVERLAY THICKNESS OF 2" PLACED ABOVE THE DECK SURFACE. EXPECTED AVERAGE OVERLAY THICKNESS IS 2 1/2". IF EXPECTED AVERAGE OVERLAY THICKNESS IS EXCEEDED BY MORE THAN 1/2", CONTACT THE STRUCTURES DESIGN SECTION.

TOTAL ESTIMATED QUANTITIES

ITEM NUMBER	BID ITEM	UNIT	PIER 1	SUPER	TOTAL
455.0605	TACK COAT	GAL	-	55	55
465.0105	ASPHALTIC SURFACE	TON	-	125	125
* 509.0301	PREPARATION DECKS TYPE 1	SY	-	45	45
* 509.0302	PREPARATION DECKS TYPE 2	SY	-	18	18
509.0310.S	SAWING PAVEMENT DECK PREPARATION AREAS	LF	-	450	450
* 509.2000	FULL-DEPTH DECK REPAIR	SY	-	5	5
517.1800.S	STRUCTURE REPAINTING RECYCLED ABRASIVE B-9-19	LS	-	-	1
517.4500.S	NEGATIVE PRESSURE CONTAINMENT AND COLLECTION OF WASTE MATERIALS B-9-19	LS	-	-	1
517.6001.S	PORTABLE DECONTAMINATION FACILITY	EA	-	-	1
SPV.0035.01	RAPID SET DECK REPAIR	CY	-	4	4
SPV.0060.02	STRIP SEAL GLAND REPLACEMENT	EA	1	-	1

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

- CONTRACTOR SHALL ENSURE JOINT OPENING REMAINS FREE OF DEBRIS.
- NEOPRENE STRIP SEAL GLAND TO BE REMOVED AND REPLACED. PAYMENT INCLUDES DETERMINING EXISTING GLAND DIMENSIONS AND PROVIDING REPLACEMENT GLAND PER SPECIAL PROVISIONS AND AS APPROVED BY THE ENGINEER.

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-9-19			
DRAWN BY SSD		PLANS CK'D. KHB	
TYPICAL SECTION, QUANTITIES, DETAILS, & NOTES			SHEET 2 OF 3