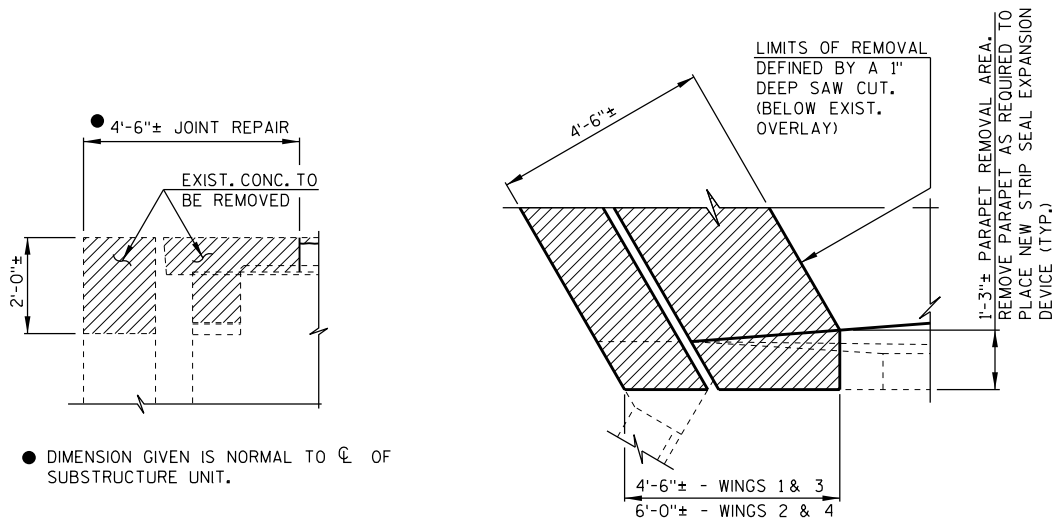
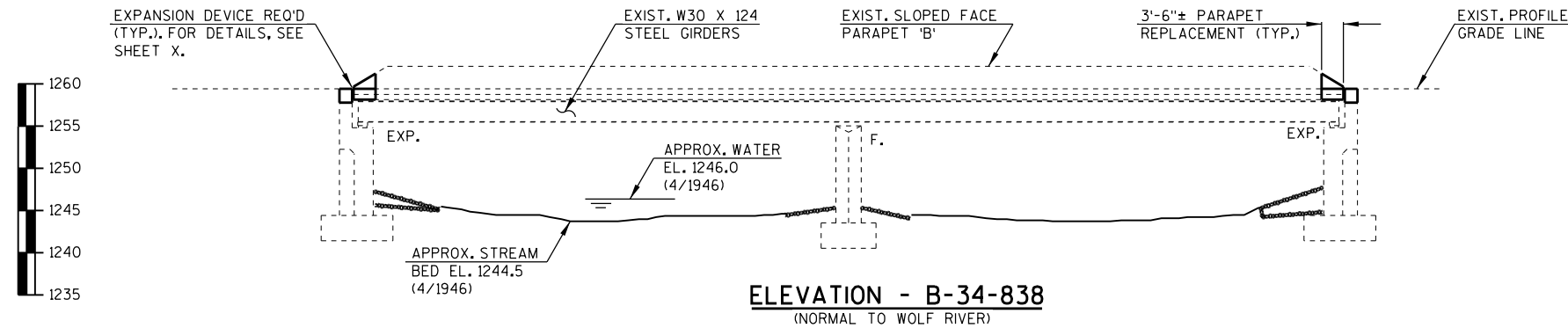
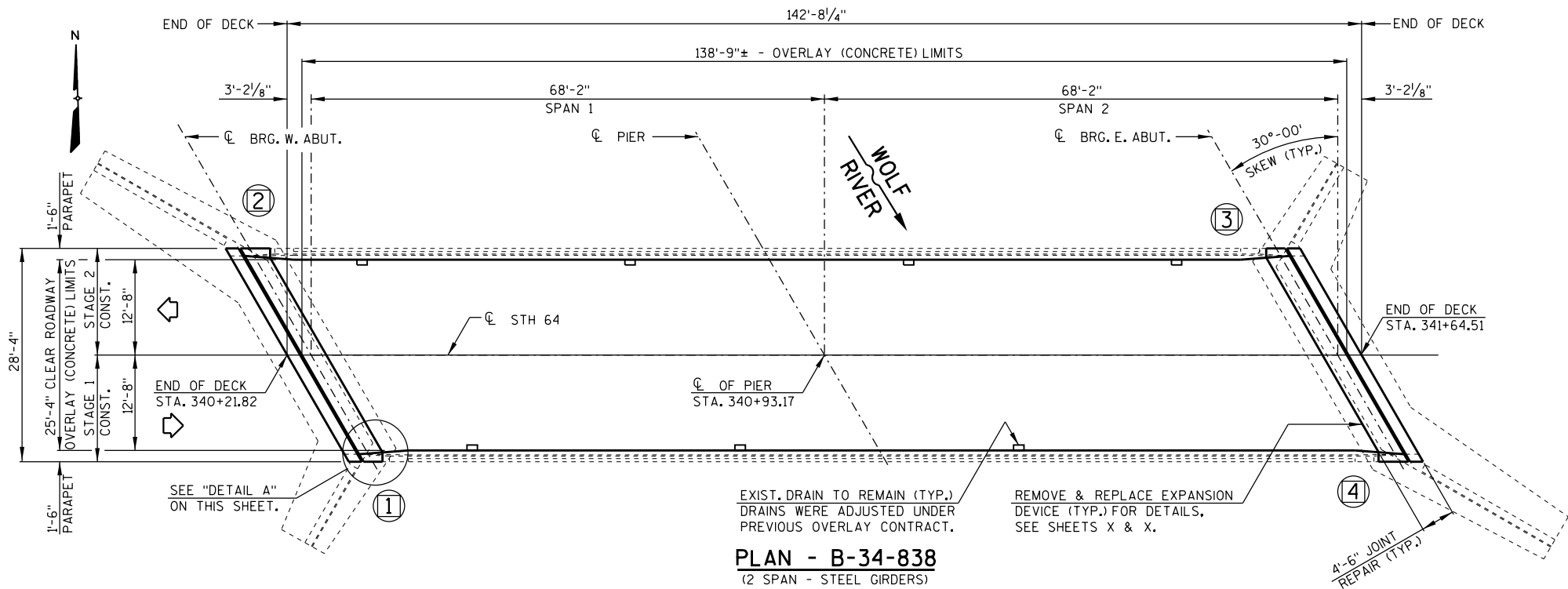


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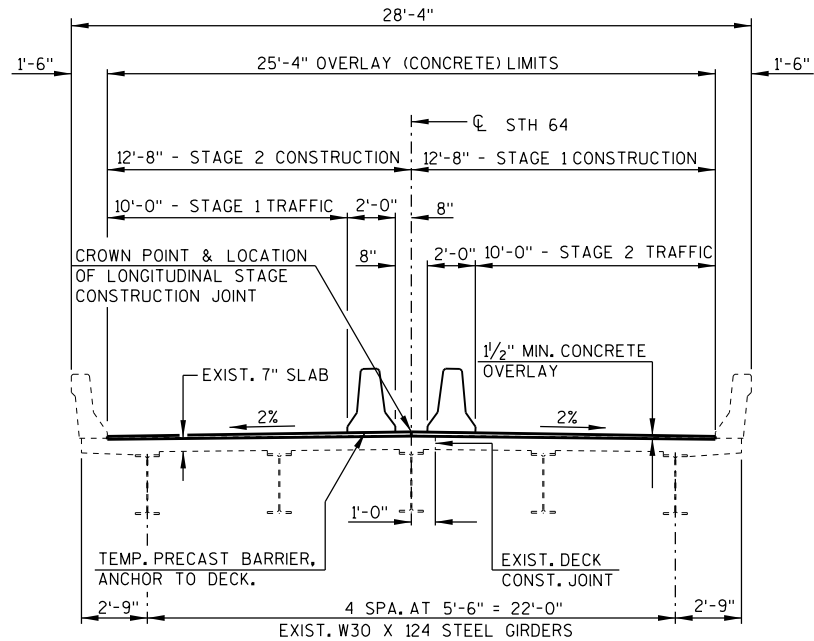


## LEGEND

(X) INDICATES WING NUMBER

STATE PROJECT NUMBER

9140-12-71



## DESIGN DATA

LIVELOAD:  
DESIGN LOADING: HS-15  
INVENTORY RATING: HS-17 (TAKEN FROM HSI, 2/6/2003)  
OPERATIONAL RATING: HS-28 (TAKEN FROM HSI, 2/6/2003)  
MAX STANDARD PERMIT VEHICLE: 240 KIPS (TAKEN FROM HSI, 2/6/2003)

MATERIAL PROPERTIES:  
CONCRETE MASONRY OVERLAY  
DECKS  $f'_c = 4,000$  PSI  
CONCRETE MASONRY -  
ALL OTHER  $f'_c = 3,500$  PSI  
BAR STEEL REINFORCEMENT,  
GRADE 60  $f_y = 60,000$  PSI

## TRAFFIC DATA

A.D.T. (2020) = 2,200  
A.D.T. (2040) = 2,800  
DESIGN SPEED = 60 M.P.H.

## LIST OF DRAWINGS

1. GENERAL PLAN  
2. QUANTITIES & GENERAL NOTES

## BENCH MARK TABLE

NO.	STATION	DESCRIPTION	ELEVATION

## STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:  
BILL DREHER (608) 266-8489  
CONSULTANT:  
BETH NEMEC (715) 342-3069

NO.	DATE	REVISION	BY
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**AECOM**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

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

STRUCTURE B-34-838

STH 64 OVER WOLF RIVER

COUNTY LANGLADE TOWN/CITY/VILLAGE WOLF RIVER

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY MSK DESIGN CK'D. EAN DRAWN BY TAW PLANS CK'D. EAN

GENERAL PLAN

SHEET 1 OF 2

8

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PLOT DATE: 7/1/2019 PLOT TIME: 2:52:40 PM

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS AND ELEVATIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS,

PROTECTIVE SURFACE TREATMENT SHALL BE APPLIED TO THE ENTIRE TOP SURFACE OF THE NEW CONCRETE OVERLAY AND TOPS OF PAVING BLOCKS.

PIGMENTED SURFACE SEALER SHALL BE APPLIED TO THE TOP AND INSIDE FACES OF EXISTING PARAPETS. PERFORM "CLEANING PARAPETS" PRIOR TO THIS APPLICATION. APPLY "PIGMENTED SURFACE SEALER" TO THE TOP AND INSIDE FACES OF NEW SECTIONS OF PARAPET AT THE JOINT REPLACEMENT.

SEAL OVERLAY CONSTRUCTION JOINTS ACCORDING TO SECTION 502.3.13.1 OF THE STANDARD SPECIFICATIONS. COST INCIDENTAL TO BID ITEM "CONCRETE MASONRY OVERLAY DECKS".

THE AVERAGE OVERLAY THICKNESS IS BASED ON THE MINIMUM OVERLAY THICKNESS PLUS 1/2-INCH TO ACCOUNT FOR VARIATIONS IN THE DECK SURFACE.

PREPARATION DECKS TYPE 1, PREPARATION DECKS TYPE 2, AND FULL-DEPTH DECK REPAIR AREAS ARE DETERMINED BY THE ENGINEER. DECK PREPARATION AND FULL-DEPTH DECK REPAIRS SHALL BE FILLED WITH "CONCRETE MASONRY OVERLAY DECKS".

"CONCRETE SURFACE REPAIR" AT PARAPETS/ABUTMENTS/pier IS ESTIMATED TO BE 20 S.F. EDGE OF DECK REPAIR IS ESTIMATED TO BE 15 S.F. "CONCRETE SURFACE REPAIR" AREAS SHOWN IN THE QUANTITIES TABLE ARE BASED ON THE BRIDGE INSPECTION REPORT AND ARE APPROXIMATE. EXACT AREAS OF REPAIR SHALL BE DETERMINED IN THE FIELD BY THE PROJECT ENGINEER.

ALL CONCRETE REMOVAL NOT COVERED WITH CONCRETE OVERLAY SHALL BE DEFINED BY A 1-INCH DEEP SAW CUT.

ANY EXCAVATION REQUIRED TO COMPLETE THE OVERLAY OR JOINT REPAIRS AT THE ABUTMENTS TO BE CONSIDERED INCIDENTAL TO THE BID ITEM "CONCRETE MASONRY OVERLAY DECKS".

MAINTAIN EXISTING CONCRETE COVER (1" MINIMUM) OVER THE TOP MAT OF REINFORCING STEEL.

EXISTING BEAM GUARD TO BE SALVAGED AND REINSTALLED.

PROFILE GRADE LINE SHALL BE DETERMINED IN THE FIELD BASED ON A MINIMUM OVERLAY THICKNESS OF 2 1/4" PLACED ABOVE THE DECK SURFACE AFTER "CLEANING DECKS TO REAPPLY CONCRETE MASONRY OVERLAY". 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.

UTILIZE EXISTING BAR STEEL REINFORCEMENT WHERE SHOWN AND EXTEND 24 BAR DIAMETERS INTO NEW WORK, UNLESS SPECIFIED OTHERWISE.

DRAINS TO REMAIN IN PLACE AS SHOWN. DRAINS WERE ADJUSTED OR REMOVED UNDER PREVIOUS OVERLAY CONTRACT.

CLEAN AND PAINT ALL EXPOSED STEEL SUPERSTRUCTURE SURFACES UNDERNEATH THE BRIDGE. THE SURFACES INCLUDE GIRDERS, DIAPHRAGMS, CROSS FRAMES, CONNECTIONS, FIXED BEARINGS, ETC. ALL CLEANING AND PAINTING TO BE PAID FOR AS "STRUCTURE REPAINTING RECYCED ABRASIVE B-34-838". PAINT APPLICATIONS ON THE BEARINGS SHOULD BE BRUSHED ON.

EXISTING STEEL SUPERSTRUCTURE AND BEARINGS SHALL BE PAINTED XXXX, FEDERAL COLOR NUMBER XXXXX.

BAR STEEL SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE ADDITIONAL HORIZONTAL REINFORCEMENT REQUIRED IN THE PARAPETS SHALL BE TIED TO THE EXISTING HORIZONTAL REINFORCEMENT.

TRAFFIC TO BE MAINTAINED DURING CONSTRUCTION.

ORIGINAL SLAB DEPTH SHOWN (FROM 1980). ASSUME CONCRETE OVERLAY IN 2003 REDUCED SLAB THICKNESS TO 6" AS PART OF DECK CLEANING PROCEDURE.

UNDER THE BID ITEM "REMOVING CONCRETE MASONRY DECK OVERLAY B-34-838", REMOVE THE ENTIRE EXISTING OVERLAY 1 1/2"±. UNDER THE BID ITEM "CLEANING DECKS TO REAPPLY CONCRETE MASONRY OVERLAY", PREPARE THE ORIGINAL DECK SURFACE FOR THE APPLICATION OF CONCRETE OVERLAY. PRIOR TO REMOVAL, CHECK A MINIMUM OF 3 LOCATIONS OR AS DIRECTED BY THE ENGINEER TO ENSURE THE REMOVAL WILL MAINTAIN EXISTING CONCRETE COVER (1" MIN.) OVER THE TOP MAT OF REINFORCING STEEL.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEM	UNIT	TOTALS
502.3101	EXPANSION DEVICE B-34-838	LF	
502.3200	PROTECTIVE SURFACE TREATMENT	SY	
502.3210	PIGMENTED SURFACE SEALER	SY	
502.4205	ADHESIVE ANCHORS NO. 5 BAR	EACH	
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	
505.0905	BAR COUPLERS NO. 5	EACH	
505.0906	BAR COUPLERS NO. 6	EACH	
509.0301	PREPARATION DECKS TYPE 1	SY	
509.0302	PREPARATION DECKS TYPE 2	SY	
509.0505.S	CLEANING DECKS TO REAPPLY CONCRETE MASONRY OVERLAY	SY	
509.1000	JOINT REPAIR	SY	
509.1500	CONCRETE SURFACE REPAIR	SF	
509.2000	FULL-DEPTH DECK REPAIR	SY	
509.2500	CONCRETE MASONRY OVERLAY DECKS	CY	
509.9005.S	REMOVING CONCRETE MASONRY DECK OVERLAY B-34-838	SY	
509.9050.S	CLEANING PARAPETS	LF	
517.1800.S	STRUCTURE REPAINTING RECYCLED ABRASIVE B-34-838	LS	
517.4500.S	NEGATIVE PRESSURE CONTAINMENT AND COLLECTION OF MATERIALS B-34-838	LS	
517.6001.S	PORTABLE DECONTAMINATION FACILITY	EACH	
	NON-BID ITEMS		
	FILLER	SIZE	1/2" & 3/4"

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-34-838			
	DRAWN BY	TAW	PLANS CK'D. EAN
QUANTITIES & GENERAL NOTES		SHEET 2 OF 2	