

DESIGN DATA

LIVE LOAD:
DESIGN LOAD: HS-20
INVENTORY RATING: HS-21
OPERATING RATING: HS-35
MAXIMUM STANDARD PERMIT VEHICLE LOAD (WIS-SPV) = XXX KIPS

MATERIAL PROPERTIES:
CONCRETE MASONRY.....f'c = 4,000 PSI
DECK PATCHING.....f'c = 4,000 PSI
ALL OTHER.....f'c = 4,000 PSI
BAR STEEL REINFORCEMENT, GRADE 60.....fy = 60,000 PSI

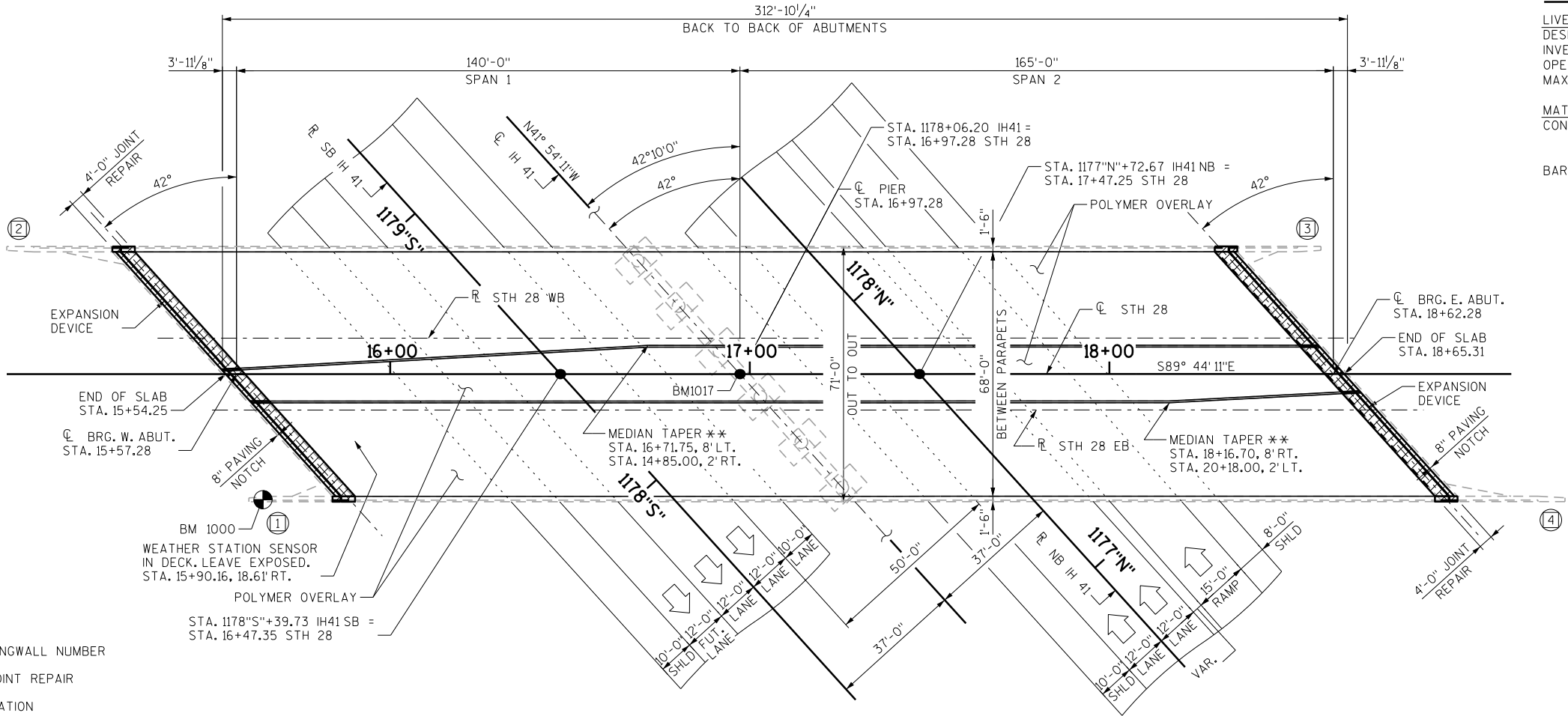
TRAFFIC DATA

STH 28
A.D.T. = 3,100 (2017)
A.D.T. = 6,600 (2045)
R.D.S. = 60 MPH

IH 41
A.D.T. = 33,600 (2017)
A.D.T. = 37,690 (2045)
R.D.S. = 70 MPH

LIST OF DRAWINGS

1. GENERAL PLAN AND ELEVATION
2. SECTIONS, NOTES, AND QUANTITIES



LEGEND

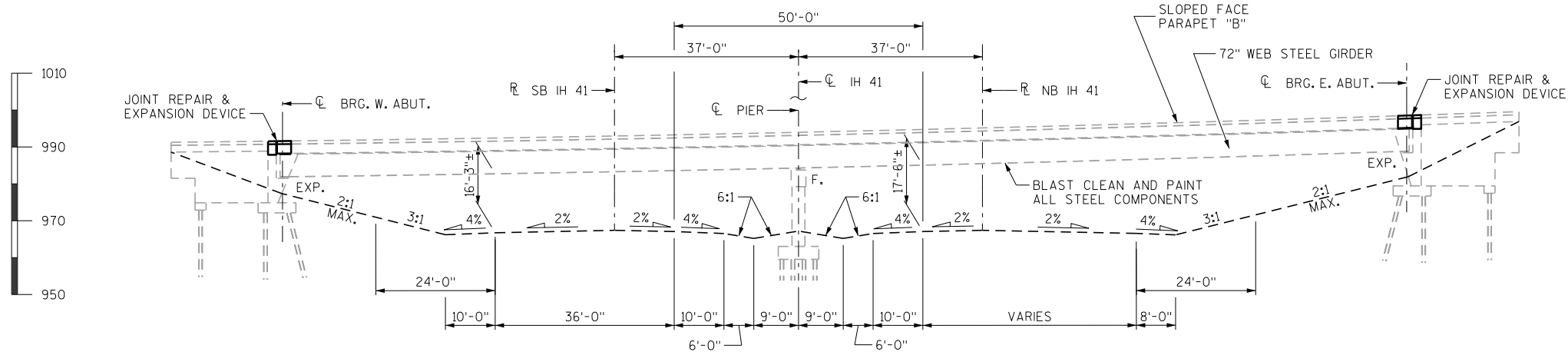
- (X) INDICATES WINGWALL NUMBER
LIMITS OF JOINT REPAIR
** SURVEY LOCATION

BENCH MARK

NO.	STATION	DESCRIPTION	ELEVATION
1000	15+64.63, 34.93' RT.	BM CAP IN WING 1 PARAPET	991.95
1017	16+97.00, 0.33' LT.	BM CAP IN MEDIAN SLAB	992.34

PLAN

REHAB - POLYMER OVERLAY, JOINT REPAIR, AND PAINTING
TWO SPAN 72" STEEL PLATE GIRDER BRIDGE



ELEVATION

DIMENSIONS SHOWN ARE NORMAL TO CL IH 41
(LOOKING NORTH)

STRUCTURES DESIGN CONTACTS
BRIDGE OFFICE:
WILLIAM DREHER, P.E. (608) 266-8489
CONSULTANT:
VINCENT DIFRANCES, P.E. (920) 468-4771

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
ACCEPTED _____ CHIEF STRUCTURES DESIGN ENGINEER DATE			
STRUCTURE B-14-110			
STH 28 OVER IH 41			
COUNTY	DODGE	TOWN	THERESA
DESIGN SPEC. REHABILITATION N/A			
DESIGNED BY	VJD	DESIGN CK'D.	FH
DRAWN BY	VJD	PLANS CK'D.	FH
GENERAL PLAN AND ELEVATION			SHEET 1 OF 2

PRELIMINARY
SEPTEMBER 2019

ALL STEEL COMPONENTS SHALL BE PAINTED BROWN AMS STANDARD COLOR NUMBER 20059.

ITEM NO.	BID ITEMS	UNIT	W. ABUT.	E. ABUT.	SUPER	TOTAL
203.0225.S.01	DEBRIS CONTAINMENT B-14-110	LS				
502.3100.01	EXPANSION DEVICE B-14-110	LS				
502.3210	PIGMENTED SURFACE SEALER	SY				
502.4104	ADHESIVE ANCHORS 1/2-INCH	EACH				
502.4205	ADHESIVE ANCHORS NO. 5 BAR	EACH				
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB				
509.0301	PREPARATION DECKS TYPE 1	SY				
509.0302	PREPARATION DECKS TYPE 2	SY				
509.0310.S	SAWING PAVEMENT DECK PREPARATION AREAS	LF				
509.1000	JOINT REPAIR	SY				
509.1500	CONCRETE SURFACE REPAIR	SF				
509.2000	FULL-DEPTH DECK REPAIR	SY				
509.2100.S	CONCRETE MASONRY DECK REPAIR	CY				
509.5100.S	POLYMER OVERLAY	SY				
509.9050.S	CLEANING PARAPETS	LF				
517.1800.S	STRUCTURE REPAINTING RECYCLED ABRASIVE B-14-110	LS				
517.4500.S	NEGATIVE PRESSURE CONTAINMENT AND COLLECTION OF WASTE MATERIALS, B-14-110	LS				
517.6001.S	PORTABLE DECONTAMINATION FACILITY	EACH				

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ALL BID ITEMS ARE CATEGORY 0020.

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-14-110			
		DRAWN BY VJD	PLANS CK'D. FH
SECTIONS, NOTES, AND QUANTITIES		SHEET 2 OF 2	

* DIMENSIONS SHOWN ARE NORMAL TO REFERENCE LINE

