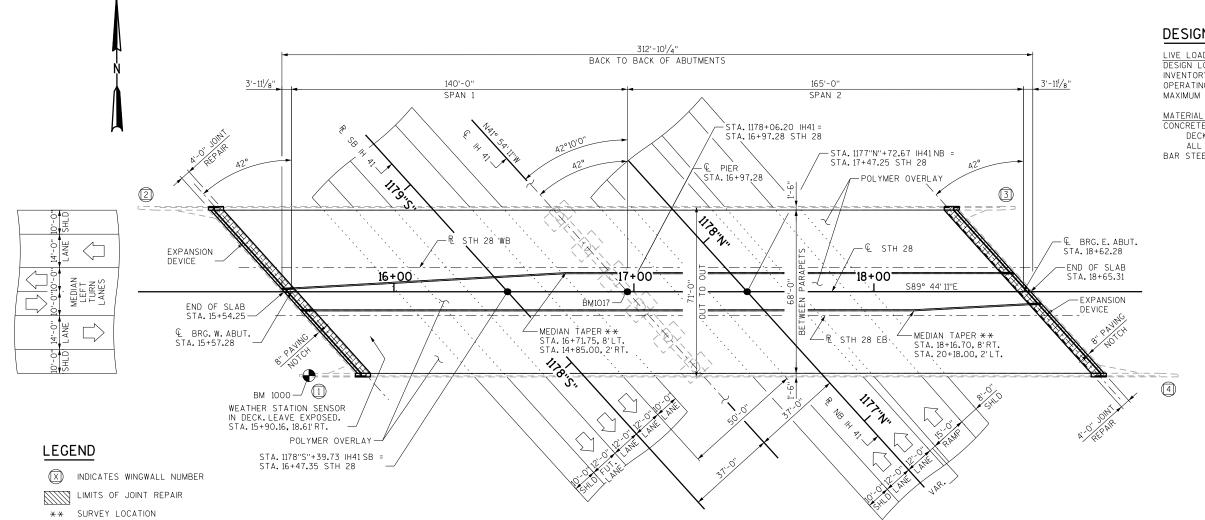
STATE PROJECT NUMBER

1107-00-60



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

DECK PATCHING. ..f'c = 4,000 PSI ALL OTHER.....f'c = 4,000 PSI BAR STEEL REINFORCMENT, GRADE 60.....fy =

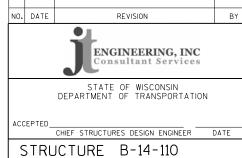
TRAFFIC DATA

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

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

LIST OF DRAWINGS

GENERAL PLAN AND ELEVATION SECTIONS, NOTES, AND QUANTITIES



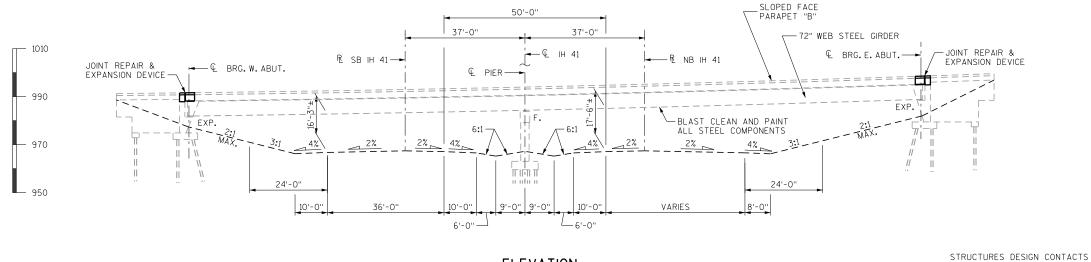
DODGE DESIGN SPEC. REHABILITATION N/A DESIGNED DESIGN DRAWN PLANS
BY VJD CK'D. FH BY VJD CK'D.

GENERAL PLAN AND ELEVATION

8 STH 28 OVER IH 41

THERESA SHEET 1 OF 2

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



ELEVATION

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

BRIDGE OFFICE: WILLIAM DREHER, P.E. (608) 266-8489

CONSULTANT: VINCENT DIFRANCES, P.E. (920) 468-4771

FILE NAME: X:\Projects\Dodge\190016 - 1107-00-30 IH 41 (Bridge Rehab)\Structure\B-14-0110\CAD\Sheets\080101B-14-011**Plgji.@ghTE**: 9/3/2019

DESCRIPTION

BM CAP IN WING 1 PARAPET

BM CAP IN MEDIAN SLAB

ELEVATION

991.95

992.34

BENCH MARK

15+64,63, 34,93' RT,

16+97.00, 0.33'LT.

NO.

1000

1017

1107-00-60

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED

ALL STATIONS ARE IN FEET.

DIMENSIONS AND STATIONING SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS UNLESS SHOWN OR NOTED OTHERWISE.

SEE ROADWAY PLANS FOR ADDITION TRAFFIC CONTROL STAGING DETAILS.

THE EXISTING STRUCTURE, B-14-0110, IS A TWO SPAN STEEL GIRDER BRIDGE WITH AN OVERALL LENGTH BETWEEN BACK OF ABUTMENTS OF 312'-10" AND AN OVERALL WIDTH OF 71'-0". THE ENTIRE DECK, TOP OF PAVING BLOCK, AND MEDIAN SHALL RECEIVE A POLYMER OVERLAY AND THE EXPANSION JOINTS SHALL BE REPLACED THE EXISTING STEEL GIRDERS SHALL BE CLEANED AND PAINTED.

ALL CONCRETE REMOVAL SHALL BE DEFINED BY A 1" DEEP SAW CUT UNLESS SHOWN OR NOTED OTHERWISE.

ANY EXCAVATION REQUIRED TO COMPLETE THE JOINT REPAIR AT THE ABUTMENTS IS INCIDENTAL TO THE BID ITEM "JOINT REPAIR".

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

IF EXISTING BAR STEEL REINFORCEMENT IS SEVERELY CORRODED OR DAMAGED DURING CONCRETE REMOVAL, REPLACE WITH EPOXY ANCHORED BARS OF THE SAME SIZE AT THE DIRECTION OF THE ENGINEER, EMBED 1'-6" INTO EXISTING CONCRETE.

THE FIRST DIGIT OF A THREE DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

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

BEVEL EXPOSED EDGES OF CONCRETE 3/4" UNLESS OTHERWISE NOTED.

EXPANSION JOINT ASSEMBLY, INCLUDING ANCHOR STUDS AND HARDWARE, SHALL BE PAID FOR IN THE LUMP SUM PRICE BID AS "EXPANSION DEVICE B-14-110".

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 DECK REPAIR".

CLEAN PARAPETS AND APPLY PIGMENTED SURFACE SEALER TO THE TOP AND ROADWAY FACE OF PARAPETS.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

POLYMER OVERLAY TO BE APPLIED TO THE ENTIRE TOP OF DECK, TO THE TOP OF THE PAVING BLOCK, AND TO THE ENTIRE TOP AND CURBS OF THE MEDIAN.

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

TOTAL ESTIMATED QUANTITIES

	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	LS				
		WASTE MATERIALS, B-14-110					
	517.6001.S	PORTABLE DECONTAMINATION FACILITY	EACH				

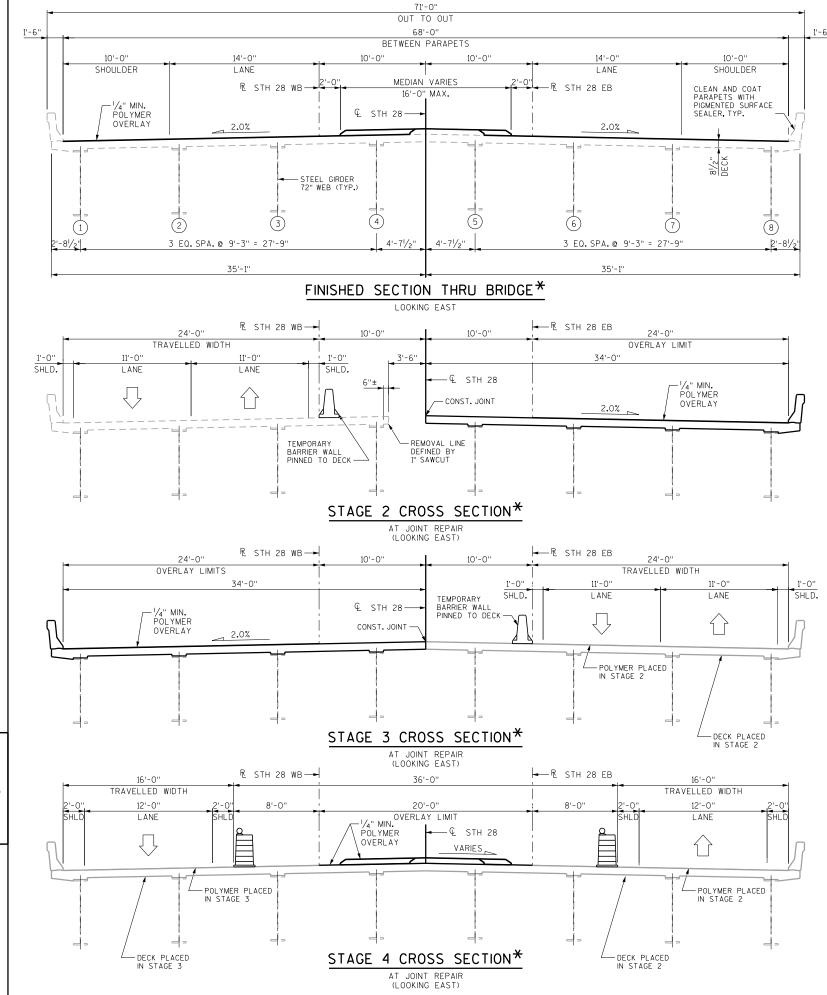
CONCRETE SURFACE REPAIR SHALL BE USED FOR NEEDED REPAIRS. LOCATIONS AND LIMITS OF REPAIR SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.

 $\overleftrightarrow{\mathcal{M}}$ quantity listed is an estimate only. The contractor shall coordinate the field identification of all deck repair locations with engineer.

ALL BID ITEMS ARE CATEGORY 0020.

11:58:08 AM PLOT BY: vdifrances

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



 $\label{file_NAME: X:\Projects\Dodge\190016 - 1107-00-30 IH 41 (Bridge Rehab)\Structure\B-14-0110\CAD\Sheets\080102 B-14-0110_gn.dgn} \\$

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