

1196-04-77

## **GENERAL NOTES**

THE PROPOSED WORK INCLUDES REMOVING AND REPLACING THE CONCRETE DECK AND PARAPETS, CONCRETE SURFACE REPAIR AT ABUTMENTS, GIRDER 1/SPAN 2 REPLACEMENT, REMOVING AND REPLACING BEARINGS AND EXPANSION JOINT AT NORTH ABUTMENT, REMOVING MIDSPAN CONCRETE DIAPHRAGMS AND REPLACING WITH STEEL DIAPHRAGMS, EPOXY SEALING GIRDER ENDS AND TOP OF N. ABUT., AND REPLACING UPPER WINGWALLS.

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS AND SUBSEQUENT REHABILITATION PLANS.

ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED. ALL STATIONS ARE IN FEET.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

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

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

SLAB FALSEWORK SHALL BE SUPPORTED ON PILES OR THE SUBSTRUCTURE UNLESS AN ALTERNATE METHOD IS APPROVED BY THE ENGINEER.

THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH

SHOWN ON THE PRESTRESSED GIRDER DETAILS SHEET.

NOT DAMAGE THE EXISTING GIRDERS.

ALL CONCRETE REMOVAL SHALL BE DEFINED BY A 1" DEEP SAW CUT. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN REMOVING OLD DECK AS TO

PROTECTIVE SURFACE TREATMENT SHALL BE APPLIED TO THE ENTIRE TOP SURFACE OF THE NEW CONCRETE DECK.

PIGMENTED SURFACE SEALER SHALL BE APPLIED TO THE TOP, ENDS, AND ROADWAY FACES OF NEW CONCRETE PARAPET.

VARIATIONS TO THE NEW GRADE LINE OVER  $\frac{1}{4}$ " MUST BE SUBMITTED BY THE FIELD ENGINEER TO THE STRUCTURES DESIGN SECTION FOR REVIEW.

EXPANSION JOINT ASSEMBLY, INCLUDING ANCHOR STUDS AND HARDWARE SHALL BE INCLUDED WITH BID ITEM "EXPANSION DEVICE B-3-16".

THE CONTRACTOR SHALL SUPPLY A NEW NAME PLATE IN ACCORDANCE WITH SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS AND THE STANDARD DETAIL DRAWING, NAME PLATE TO SHOW ORIGINAL CONSTRUCTION YEAR, 1972.

CONTRACTOR IS RESPONSIBLE FOR GIRDER STABILITY DURING REMOVAL AND REPLACEMENT OF THE CONCRETE DECK AND GIRDER DIAPHRAGMS.

PERFORM CONCRETE SURFACE REPAIR AS DIRECTED BY THE FIELD ENGINEER. QUANTITY SHOWN IS APPROXIMATE.

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

AT ABUTMENTS, ALL EXCAVATED VOLUME NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A.

THE EXISTING GROUNDLINE SHALL BE THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES.

## **LEGEND**

- X DENOTES GIRDER NUMBER
- 3/4" V-GROOVE REQ'D. EXTEND TO 6" FROM F.F. OF SOUTH ABUT. DIAPH. AND 2'-0" FROM F.F. OF NORTH ABUT. BODY.

NO.	DATE	TE REVISION										
	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION											
STRUCTURE B-3-16												
			DRAWN BY	D	TH	PLANS CK'D. BMO						
CROSS SECTION					SHEET 2 OF 3							
AND QUANTITIES												

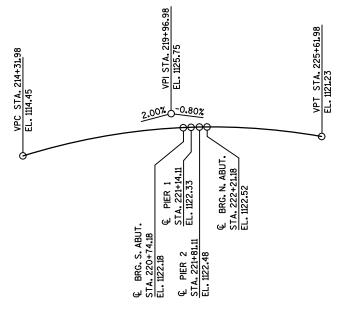
OUT-TO-OUT PARAPETS 1'-53/8" 40'-0" CLEAR 1'-53/8" STAGE 1 CONSTRUCTION STAGE 2 CONSTRUCTION -R USH 53 SB SINGLE SLOPE EXISTING SLAB, PARAPETS, CONST. PARAPET 42SS (TYP.) AND RAILS TO BE REMOVED JOINT IN TAN LINE TO R USH 53 SB DECK-AT STA. 221+47.68 SB 10" SLAB 1.0% PROPOSED 1.0% EXISTING VARIES (4) PRESTRESSED 1'-85/8" -EXISTING CONC. DIAPHRAGMS GIRDER (TYP.) -GIRDER 1, SPAN 2 AT MIDSPAN OF EACH SPAN SHALL BE REMOVED 6'-41/2" 5'-41/2" SHALL BE REMOVED AND AND REPLACED. REPLACED WITH NEW STEEL DIAPHRAGMS (TYP.) 3'-71/2" 3 SPA. @ 11'-9" = 35'-3" 3'-71/2" EXISTING 45" PRESTRESSED GIRDER SPACING OUT-TO-OUT DECK

## EXISTING AND PROPOSED TYPICAL CROSS SECTION

(LOOKING NORTH)

## TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	S. ABUT	N. ABUT.	SUPERSTRUCTURE	TOTAL	UNIT
203.0200	REMOVING OLD STRUCTURE STA. 221+50 SB				1	LS
203.0225.S	DEBRIS CONTAINMENT B-3-16				1	LS
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-3-16				1	LS
210.1500	BACKFILL STRUCTURE TYPE A				0	TON
502.0100	CONCRETE MASONRY BRIDGES				0	CY
502.3101	EXPANSION DEVICE B-3-16				0	LF
502.3200	PROTECTIVE SURFACE TREATMENT				0	SY
502.3210	PIGMENTED SURFACE SEALER				0	SY
502.4205	ADHESIVE ANCHORS NO. 5 BAR				0	EACH
503.0145	PRESTRESSED GIRDER TYPE I 45-INCH				0	LF
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES				0	LB
505.0905	BAR COUPLERS NO. 5				0	EACH
506.4000	STEEL DIAPHRAGMS B-3-16				0	EACH
506.6000	BEARING ASSEMBLIES EXPANSION B-3-16		4		4	EACH
506.7050.S	REMOVING BEARINGS B-3-16		4		4	EACH
509.1500	CONCRETE SURFACE REPAIR		10		10	SF
516.0500	RUBBERIZED MEMBRANE WATERPROOFING				0	SY
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD				0	EACH
645.0111	GEOTEXTILE TYPE DF SCHEDULE A				0	SY
SPV.0180.XX	EPOXY SEALER				0	SY
	NON-BID ITEMS					
	FILLER				1/2", 3/4"	SIZE



PROFILE GRADE SOUTHBOUND LANE B-3-16

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