



Wisconsin Department of Transportation

Division of Transportation Systems Development

Bureau of Project Development
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December 6, 2019

NOTICE TO ALL CONTRACTORS:

**Proposal #37: 7540-01-72, WISC 2019 759
Fairchild – Black River Falls
Allen Creek B-27-0170
USH 12
Jackson County**

Letting of December 10, 2019

This is Addendum No. 02, which provides for the following:

Plan Sheets:

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
80, 94	Structure B-27-170 (Ladder Details)

Plan Sheets

The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:

Revised: 80 and 94

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractor.

Sincerely,

Mike Coleman

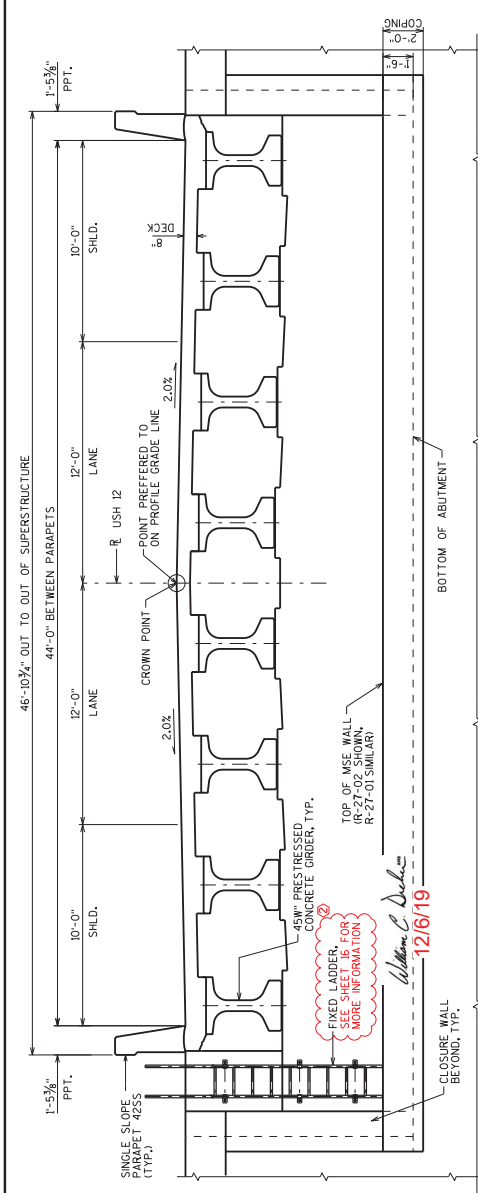
Proposal Development Specialist
Proposal Management Section

END OF ADDENDUM

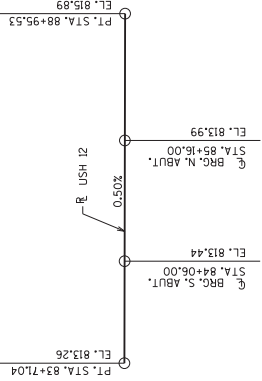
STATE PROJECT NUMBER
7540-01-72

GENERAL NOTES

- DRAWINGS SHALL NOT BE SCALED.
- BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.
- THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.
- BEVEL EXPOSED EDGES OF CONCRETE 3/4" UNLESS OTHERWISE NOTED.
- THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES B-27-170" SHALL BE THE EXISTING GROUNDLINE.
- AT THE BACK FACE OF ABUTMENT ALL JOUINLE WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A, ALSO EXCLUDED IS THE "BASE AGGREGATE DENSE 1 1/4-INCH" AS DETAILED ON THE STRUCTURAL APPROACH SLAB SHEETS.
- EXCAVATION BELOW THE ABUTMENT AND ABUTMENT BEDDING MATERIALS REQUIRES ENGINEER APPROVAL.
- THE BACKFILL QUANTITIES ARE BASED ON THE PAY LIMITS SHOWN ON THE PLANS AND MAY NOT REFLECT ACTUAL PLACED QUANTITIES. "BACKFILL STRUCTURE TYPE A" OR EXCEEDING DIRECTLY BEHIND THE ABUTMENT SHALL BE BACKFILLED WITH ELASTOMERIC BEARING PADS OR STRUCTURES. QUANTITIES SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES.
- ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.
- PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE EXPOSED TOP OF DECK AND PARAPETS, INCLUDING PARAPETS ON APPROACH SLABS.
- PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH SHOWN ON THE "45W" PRESTRESSED GIRDER DETAILS 2' SHEET.
- THE EXISTING STRUCTURE, C-27-7830, IS A SINGLE SPAN MASONRY ARCH CULVERT TO BE REMOVED.
- THE CONTRACTOR MUST COORDINATE THE CONSTRUCTION OF B-27-170 WITH RETAINING WALLS R-27-01 AND R-27-02.
- THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH SLOPE PAVING MATERIAL TO THE EXTENT SHOWN ON SHEET 1 AND IN THE ABUTMENT DETAILS.
- THE COST OF FURNISHING AND PLACING THE SIZE 2 COARSE AGGREGATE SHALL BE PAID FOR UNDER THE BID ITEM "SLOPE PAVING CONCRETE".



CROSS SECTION THRU ROADWAY LOOKING NORTH



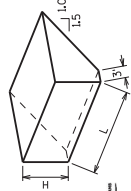
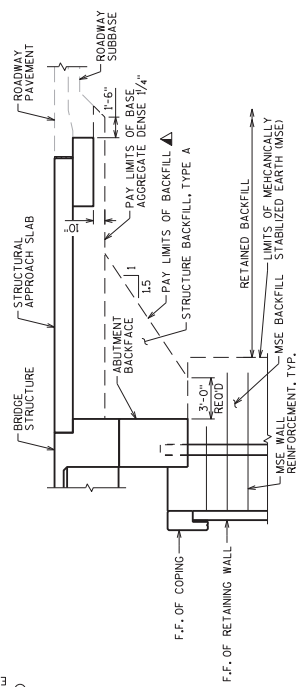
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ID 7540-01-72
Revised Sheet 80
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PROFILE GRADE LINE - RUSH 12

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	SOUTH APPROACH	NORTH ABUT.	NORTH APPROACH	TOTALS
203.0600.S	REMOVING OLD STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS STA. 84+56.00	LS	---	---	---	---	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-27-170	LS	---	---	---	---	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	---	191	191	382	382
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	---	145	145	290	290
502.0100	CONCRETE MASONRY BRIDGES	CY	231	64	39	64	437
502.3200	PROTECTIVE SURFACE TREATMENT	SY	575	100	100	100	775
502.3210	PIGMENTED SURFACE SEALER	SY	111	20	20	20	151
503.0146	PRESTRESSED GIRDER TYPE 145W-INCH	LF	888	---	---	---	888
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	---	2,965	2,965	5,930	5,930
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	34,300	735	735	10,775	57,320
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	---	---	---	---	16,000
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	16	---	---	---	16
506.4000	STEEL DIAPHRAGMS B-27-170	EACH	14	---	---	---	14
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	---	13	13	---	26
550.0020	PRE-BORING ROCK OR CONSOLIDATED MATERIALS	LF	---	110	286	---	396
550.1100	PIILING STEEL HP 10-INCH X 42 LB	LF	---	605	605	---	1,210
604.0400	SLOPE PAVING CONCRETE	SY	---	16	16	---	32
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	4	---	---	---	4
SPV0060	FIXED LADDER-B-27-170	EACH	---	1	1	---	2
	NON-BID ITEMS						
	FILLER	SIZE					1/2", 3/4", 1 1/2"

TYPICAL SECTION THRU ABUTMENT AT MSE WALL



ABUTMENT BACKFILL DIAGRAM

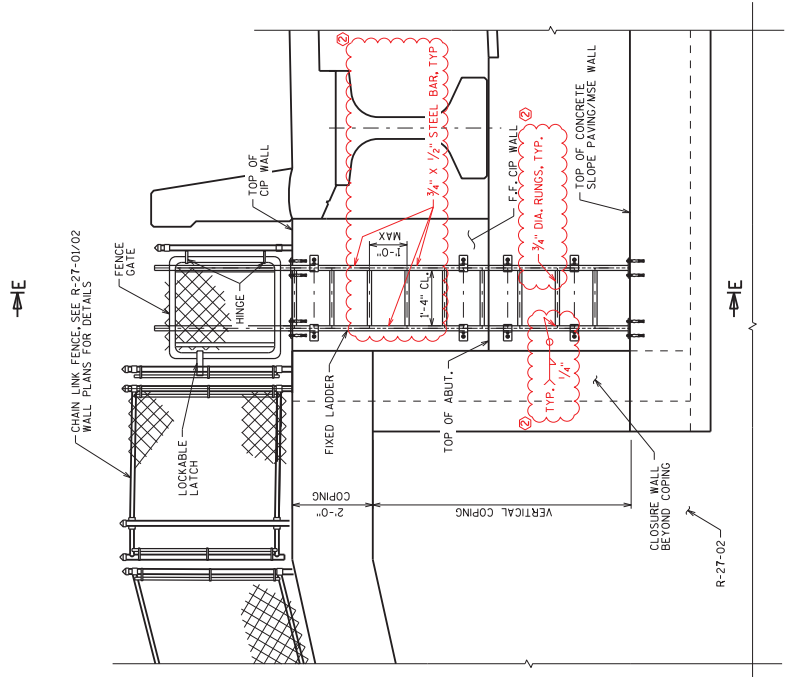
- L = OUT TO OUT OF ABUTMENT INCLUDING WINGS (FT)
- H = AVERAGE ABUTMENT FILL HEIGHT (FT)
- EF = EXPANSION FACTOR (1.0 FOR CY BID ITEMS)
- V_{CF} = (L * H * 0.70) + (L * 0.5 * H * 0.5)
- V_{TON} = V_{CF} * 120 / 27

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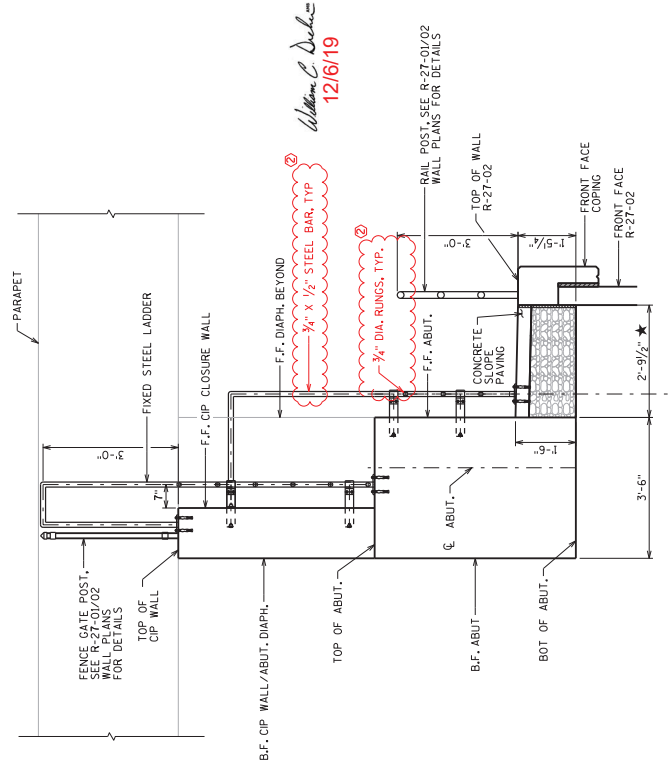
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★ DIMENSION ASSUMES 5/8" MSE PANEL THICKNESS AND INCLUDES 3/4" FILLER THICKNESS

12/16/19	LADDER DETAILS	SEW
NO. DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION		
STRUCTURE B-27-170		
DESIGNED BY	AA	PLANS SEW
CHECKED BY	AA	PLANS SEW
FIXED LADDER DETAILS		SHEET 16
		94



STEEL LADDER AT CLOSURE WALL 3
LOOKING NORTH
CLOSURE 2 SIMILAR
PIPE RAILING NOT SHOWN FOR CLARITY



SECTION E-E
(LOOKING EAST)
FIXED LADDER AT CLOSURE WALL 3 SHOWN;
FIXED LADDER AT CLOSURE WALL 2 SIMILAR

William C. Decker
12/16/19

