



# Wisconsin Department of Transportation

## Division of Transportation Systems Development

Bureau of Project Development  
4822 Madison Yards Way, 4<sup>th</sup> Floor South  
Madison, WI 53705

January 24, 2019

Telephone: (608) 266-1631  
Facsimile (FAX): (608) 266-8459

### NOTICE TO ALL CONTRACTORS:

**Proposal #09: 4546-02-71**  
**T Wrightstown, CTH D**  
**Plum Creek Bridge**  
**CTH D**  
**Brown County**

### Letting of February 12, 2019

This is Addendum No. 01, which provides for the following:

#### Schedule of Items:

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
505.0600	Bar Steel Reinforcement HS Coated Structures	LB	19,460	5,340	24,800

#### Plan Sheets:

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
38	Structure B-05-0440 (Revised Bar Steel Quantities)
48	Structure B-05-0440 (Revised Bar Steel Quantities)

**Schedule of Items**

Attached, dated January 24, 2019, are the revised Schedule of Items Page 2.

**Plan Sheets**

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

Revised: 38 and 48.

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

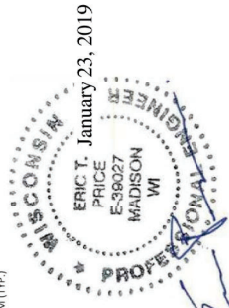
END OF ADDENDUM

**Addendum No. 01**  
**ID 4546-02-71**  
**Revised Sheet 38**  
**January 24, 2019**

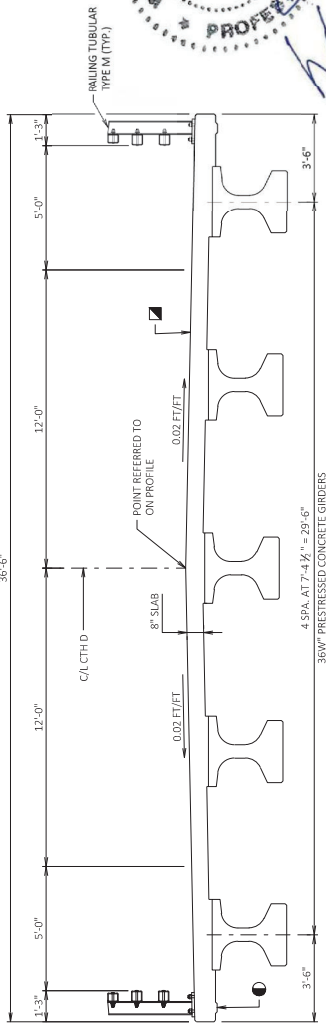
STATE PROJECT NUMBER  
**4546-02-71**

**GENERAL NOTES**

- DRAWINGS SHALL NOT BE SCALED.
- BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS SHOWN OR NOTED OTHERWISE. THE FIRST DIGIT OF A THREE DIGIT BAR NO. AND THE FIRST TWO DIGITS OF A FOUR DIGIT BAR NO. SIGNIFIES THE BAR SIZE.
- JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF ASHTO DESIGNATION M153 TYPE 1, II OR III OR ASHTO DESIGNATION M213.
- THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH RIPRAP HEAVY AND GEOTEXTILE TYPE HR TO THE EXTENT SHOWN ON THE GENERAL PLAN SHEET AND IN THE ABUTMENT DETAILS, OR AS DIRECTED BY THE ENGINEER.
- THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES BRIDGES B-5-440\* SHALL BE THE EXISTING GROUNDLINE. EXCAVATION BELOW THE ABUTMENT AND ABUTMENT BEDDING MATERIALS REQUIRES ENGINEER APPROVAL. GEOTEXTILE SHALL BE SET AT THE BOTTOM OF EXCAVATION AND EXTEND 2'-0" ABOVE BOTTOM OF ABUTMENT. THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH SHOWN ON THE PRESTRESSED GIRDER DETAILS SHEET.
- PROTECTIVE SURFACE TREATMENT IS TO BE APPLIED TO THE TOP OF DECK AND WINGS, EXTERIOR EXPOSED FACE OF WINGS, AND THE END 1'-0" OF THE ABUTMENT FRONT FACES.
- THE EXISTING STRUCTURE B-5-30, TO BE REMOVED, IS A SINGLE SPAN STEEL DECK GIRDER BRIDGE, 73.0 FT. LONG WITH A 24.0 FT. CLEAR ROADWAY WIDTH.
- THE ELASTOMERIC BEARING PADS NON-LAMINATED NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.
- AT THE BACKFACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH BACKFILL STRUCTURE.
- THE BACKFILL QUANTITIES ARE BASED ON THE PLAN LIMITS SHOWN ON THE PLANS AND MAY NOT REFLECT THE ACTUAL QUANTITIES TO BE PLACED. BACKFILL PLACED BEYOND PLAN LIMITS OR EXCEEDING PLAN QUANTITIES SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES.

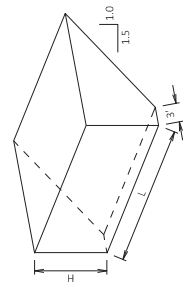


*William C. Decker*  
**01/24/19**



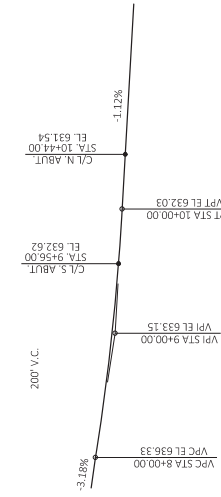
**CROSS SECTION THRU BRIDGE**  
 (LOOKING NORTH)

- LEGEND**
- SPECIAL DRIP EDGE REQ'D. EXCEED 6" FROM F.F. OF ABUTMENT BODY.
  - ▣ COAT WITH "PROTECTIVE SURFACE TREATMENT" AS PER THE STANDARD SPECIFICATIONS.



**ABUTMENT BACKFILL QUANTITY DIAGRAM**

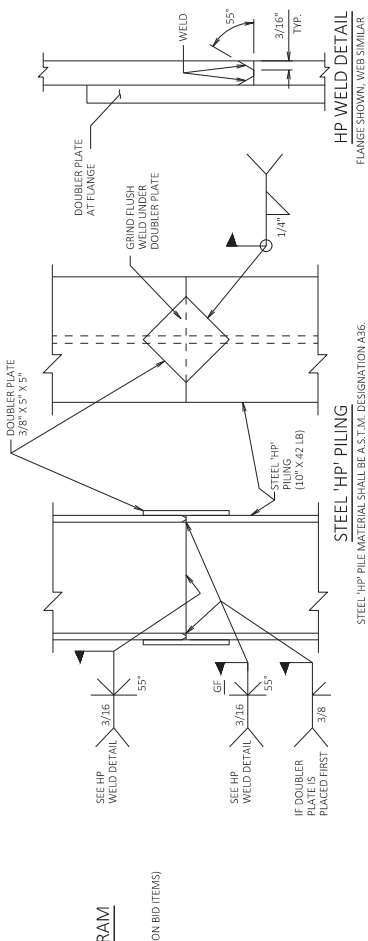
- L = OUT TO OUT OF ABUTMENT, INCLUDING WINGS (FT)
- H = AVERAGE ABUTMENT FILL HEIGHT (FT)
- EF = EXPANSION FACTOR (1.20 FOR CY BID ITEMS AND 1.00 FOR TON BID ITEMS)
- $V_{CY} = (L(H^2)(FH) + (L)(H^3)(L)(SH)(H))$
- $V_{TON} = V_{CY}(2.6)$



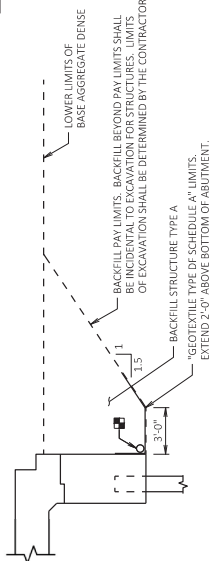
**PROFILE GRADE LINE**  
 (G.T.H.D.)

**TOTAL ESTIMATED QUANTITIES**

BID NUMBER	BID ITEM	UNIT	SOUTH ABUT.	NORTH ABUT.	SUPER	TOTALS
203.0600-S	REMOVING OLD STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS STA. 10+00	LS	.....	.....	.....	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-5-440	LS	.....	.....	.....	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	170	170	.....	340
502.0100	CONCRETE MASONRY BRIDGES	CY	36	36	127	340
502.3200	PROTECTIVE SURFACE TREATMENT	SY	12	12	373	397
503.0137	PRESTRESS GIRDER TYPE I 36W-INCH	LF	.....	.....	445	445
505.0400	BAR STEEL REINFORCEMENT IN STRUCTURES	LB	2,440	2,440	.....	4,880
505.0400	BAR STEEL REINFORCEMENT IN COATED STRUCTURES	LB	2,430	1,420	21,950	24,800
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	5	5	.....	10
506.4000	STEEL DIAPHRAGMS B-5-440	EACH	.....	.....	8	8
513.4061	RAILING TUBULAR TYPE M	LF	26	26	184	236
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	9	9	.....	18
550.0500	PILE POINTS	EA	9	9	.....	18
550.1100	PIILING STEEL HP 10-INCH X 42 LB	LF	810	810	.....	1,620
606.0900	RIPPRAP HEAVY	CY	190	265	.....	455
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	90	90	.....	180
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	36	36	.....	72
645.0120	GEOTEXTILE TYPE HR	SY	260	360	.....	620
	NON-BID ITEMS	SIZE	.....	.....	.....	1/2" & 3/4"
	FILTER		.....	.....	.....	



**PILE SPICE DETAILS**



**STRUCTURE BACKFILL LIMITS**

- PIPE UNDERDRAIN WRAPPED 6-INCH, SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.

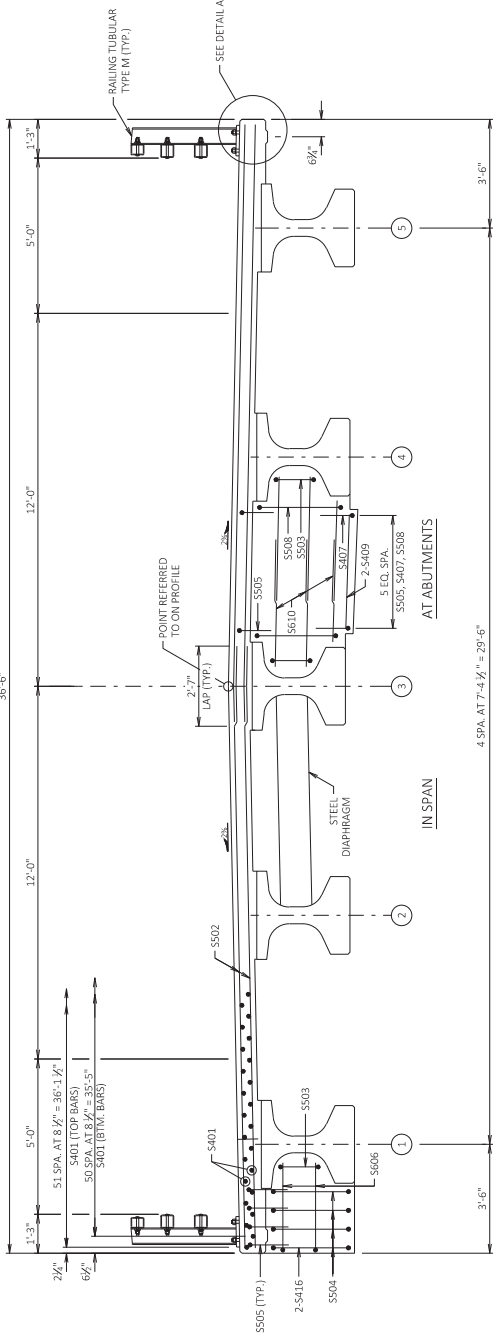
1/23/19	QUANTITY REVISION	ETP
	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION		
STRUCTURE B-5-440		
DRAWN: PKF CHECKED: ETP		
ORIGINAL PLAN PREPARED BY <b>CORRE</b>		
SHEET 2 OF 13		
CROSS SECTION & QUANTITIES		
38		

STATE PROJECT NUMBER  
4546-02-71

**BILL OF BARS - SUPERSTRUCTURE**  
DIMENSIONS IN BENDING DETAILS ARE OUT-TO-OUT OF BAR.

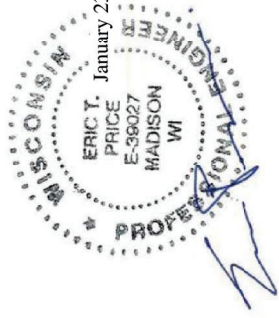
BAR MARK	NO. RECD	LENGTH	BAR SERIES	LOCATION	TOTAL WEIGHT = 21,560 LBS
<b>COATED BARS</b>					
S401	210	46'-8"		DECK - TOP & BTM	LONGIT.
S502	320	19'-8"		DECK - TOP & BTM	TRANS.
S503	20	9'-8"		DIAPHRAGMS - ALL GIRDEBS	VERT.
S504	16	11'-4"	X	DIAPHRAGMS - EXT GIRDEBS	VERT.
S505	64	6'-11"	X	DIAPHRAGMS - TOP	VERT.
S506	8	8'-2"	X	DIAPHRAGMS - EXT GIRDEBS	VERT.
S407	48	3'-5"	X	DIAPHRAGMS - BTM	VERT.
S508	48	11'-10"	X	DIAPHRAGMS - INT GIRDEBS	VERT.
S409	16	3'-6"		DIAPHRAGMS - BTM	HORIZ.
S610	48	4'-3"		DIAPHRAGMS - B.F.	HORIZ.
S611	20	19'-5"	X	DECK - INT RAIL POSTS	TRANS.
S612	52	12'-0"	X	DECK - TOP - EXT RAIL POSTS	TRANS.
S613	8	12'-4"	X	DECK - TOP - INT RAIL POSTS	LONGIT.
S614	16	4'-2"	X	DECK - TOP - EXT RAIL POSTS	LONGIT.
S615	104	6'-0"		DECK - TOP - INT RAIL POSTS	LONGIT.
S416	8	2'-4"		DIAPHRAGMS - EXT GIRDEBS	VERT.

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

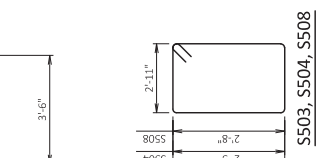
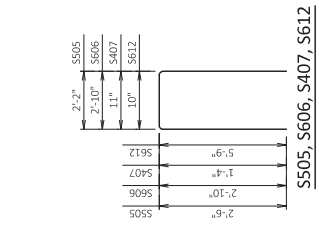
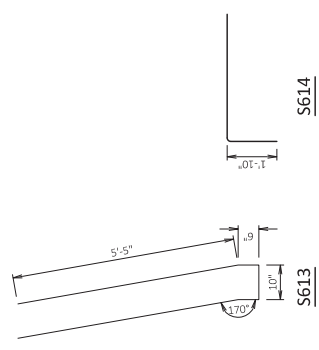


**CROSS SECTION THRU ROADWAY**

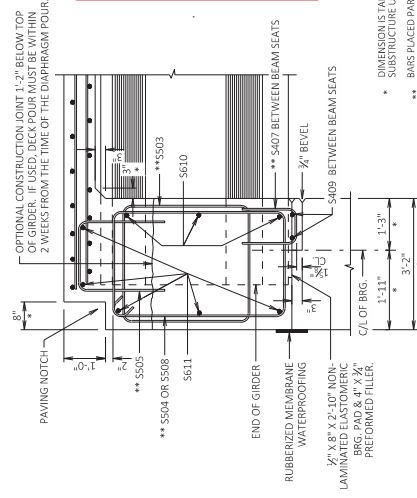
4 SPA. AT 7'-4 1/2" = 29'-6"  
36" WIDE PRESTRESSED CONCRETE GIRDEBS



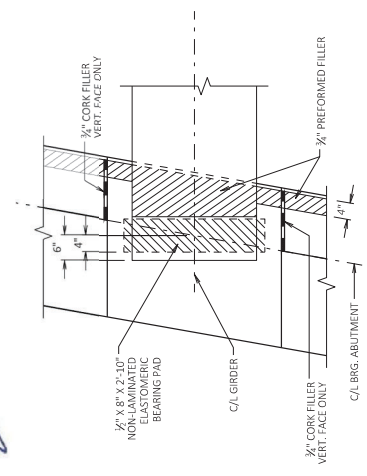
*William C. Decker*  
01/24/19



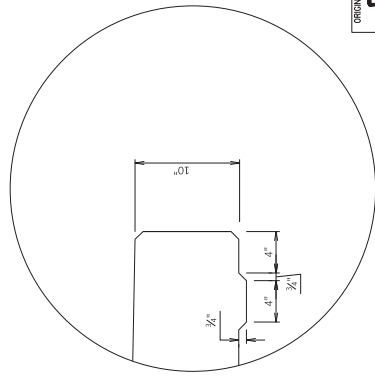
**Addendum No. 01**  
**ID 4546-02-71**  
**Revised Sheet 48**  
**January 24, 2019**



**PART LONGIT. SECTION**



**BEARING PAD DETAIL**



**DETAIL A**

NO.	DATE	REVISION	BY
1/23/19		QUANTITY REVISION	ETP

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

**STRUCTURE B-5-440**

DESIGNER: ETP  
DRAWN: PKF  
CHECKED: ETP

ORIGINAL PLAN PREPARED BY  
**CORRE**

**SUPERSTRUCTURE DETAILS**

SHEET 12 OF 13  
48



## Proposal Schedule of Items

Proposal ID: 20190212009 Project(s): 4546-02-71

Federal ID(s): N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0032	502.0100 Concrete Masonry Bridges	199.000 CY	_____.	_____.
0034	502.3200 Protective Surface Treatment	397.000 SY	_____.	_____.
0036	503.0137 Prestressed Girder Type I 36W-Inch	445.000 LF	_____.	_____.
0038	505.0400 Bar Steel Reinforcement HS Structures	4,880.000 LB	_____.	_____.
0040	505.0600 Bar Steel Reinforcement HS Coated Structures	24,800.000 LB	_____.	_____.
0042	506.2605 Bearing Pads Elastomeric Non-Laminated	10.000 EACH	_____.	_____.
0044	506.4000 Steel Diaphragms (structure) 01. B-5-440	8.000 EACH	_____.	_____.
0046	513.4061 Railing Tubular Type M 01. B-5-440	236.000 LF	_____.	_____.
0048	516.0500 Rubberized Membrane Waterproofing	18.000 SY	_____.	_____.
0050	550.0500 Pile Points	18.000 EACH	_____.	_____.
0052	550.1100 Piling Steel HP 10-Inch X 42 Lb	1,620.000 LF	_____.	_____.
0054	606.0300 Riprap Heavy	455.000 CY	_____.	_____.
0056	612.0406 Pipe Underdrain Wrapped 6-Inch	180.000 LF	_____.	_____.
0058	614.2300 MGS Guardrail 3	362.500 LF	_____.	_____.
0060	614.2500 MGS Thrie Beam Transition	147.200 LF	_____.	_____.
0062	614.2610 MGS Guardrail Terminal EAT	4.000 EACH	_____.	_____.

