



Wisconsin Department of Transportation

Division of Transportation Systems Development

Bureau of Project Development
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P O Box 7916
Madison, WI 53707-7916

March 9, 2018

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

NOTICE TO ALL CONTRACTORS:

Proposal #06: 5289-00-71
STH 82 – CTH Y
W Fork Kickapoo Br B-62-0245
CTH S
Vernon County

Letting of March 13, 2018

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

Special Provisions:

Added Special Provisions	
Article No.	Description
14	Information to Bidders, Pier Construction

Schedule of Items:

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
550.1100	Piling Steel HP 10-INCH x 42 LB	L.F.	160	240	240

Plan Sheets:

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
51	Changed preboring elevation in elevation; Changed estimated pile length in foundation data
52	Total Estimated Quantities; Revised Piling Steel HP 10-Inch x 42 LB quantity

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

ADDENDUM NO. 02

5289-00-71

March 9, 2018

Special Provisions

14. Information to Bidders, Pier Construction.

To access the pier for removal and construction, the contractor may span over the streambed from the stream bank to the pier. A strip of clean temporary riprap may be placed on the streambed parallel to the pier to provide support to the spanning material. The temporary riprap will be removed from the streambed upon completion of the pier construction. Details of any pier access must be included in the ECIP for approval. All materials, equipment and labor associated with access to the pier will be incidental to the bid Item "Excavation for Structures".

Schedule of Items

Attached, dated March 9, 2018, 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: 51 and 52.

END OF ADDENDUM

Addendum No. 02
 ID 5289-00-71
 Revised Sheet 51
 March 9, 2018

STATE PROJECT NUMBER		5289-00-71	
DESIGN DATA STRUCTURE IS DESIGNED FOR FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.			
DESIGN LOADING	HL-93	DESIGN WIND	150 MPH
WEARING SURFACE	ASPHALT	OPERATING BAYING FACTOR	RF = 1.10
WEARING SURFACE	ASPHALT	WISCONSIN STANDARD PERMIT VEHICLE (MIS-SPV)	250 KIPS
MATERIAL PROPERTIES:			
CONCRETE MASONRY	F _c = 4,000 PSI	STEEL	F _y = 50,000 PSI
ALL OTHER	F _c = 3,000 PSI	STEEL	F _y = 60,000 PSI
BAR CEMENT	GRADE 60	CONCRETE MASONRY	F _c = 8,000 PSI
TYPE 1 28-INCH PRESTRESSED GIRDER		STRANDS - 0.5" DIA WITH	
CONCRETE MASONRY		ULTIMATE TENSILE STRENGTH OF	f _s = 270,000 PSI
HYDRAULIC DATA 100 YEAR FREQUENCY			
DRAINAGE AREA	607.50 AC	VELOCITY - THRU STRUCTURE	7.700 C.F.S.
Q ₁₀₀ TOTAL	7,700 C.F.S.	VELOCITY - THRU ABUTMENT	9.407 C.F.S.
THRU STRUCTURE	7,700 C.F.S.	SCOUR CRITICAL CODE	8
VELOCITY - THRU ABUTMENT	9.407 C.F.S.	SCOUR CRITICAL CODE	8
HIGH WATER ELEVATION	821.72 FT.	Q ₂ TOTAL	1,130 C.F.S.
VELOCITY - THRU STRUCTURE	1.130 C.F.S.	VELOCITY - THRU ABUTMENT	3.807 C.F.S.
VELOCITY - THRU ABUTMENT	3.807 C.F.S.	HIGH WATER ELEVATION	814.05 FT.
TRAFFIC DATA			
AADT (2018)	520	DESIGN SPEED	55 M.P.H.
ADAD (2018)	630	DESIGN SPEED	55 M.P.H.
FOUNDATION DATA ABUTMENTS TO BE SUPPORTED ON PILING STEEL HP 10 X 42, WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC EQUATION. PILING POINTS ARE REQUIRED.			
ESTIMATED LENGTH 15' SOUTH ABUTMENT ESTIMATED LENGTH 15' NORTH ABUTMENT PILES TO BE SUPPORTED ON PILING STEEL HP 13 X 53, PLACE PILES INTO PRE-BORED HOLES. PILES PLACED IN PRE-BORED HOLES BORED INTO ROCK DO NOT REQUIRE DRIVING.			
ESTIMATED LENGTH 15' PIER THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.			

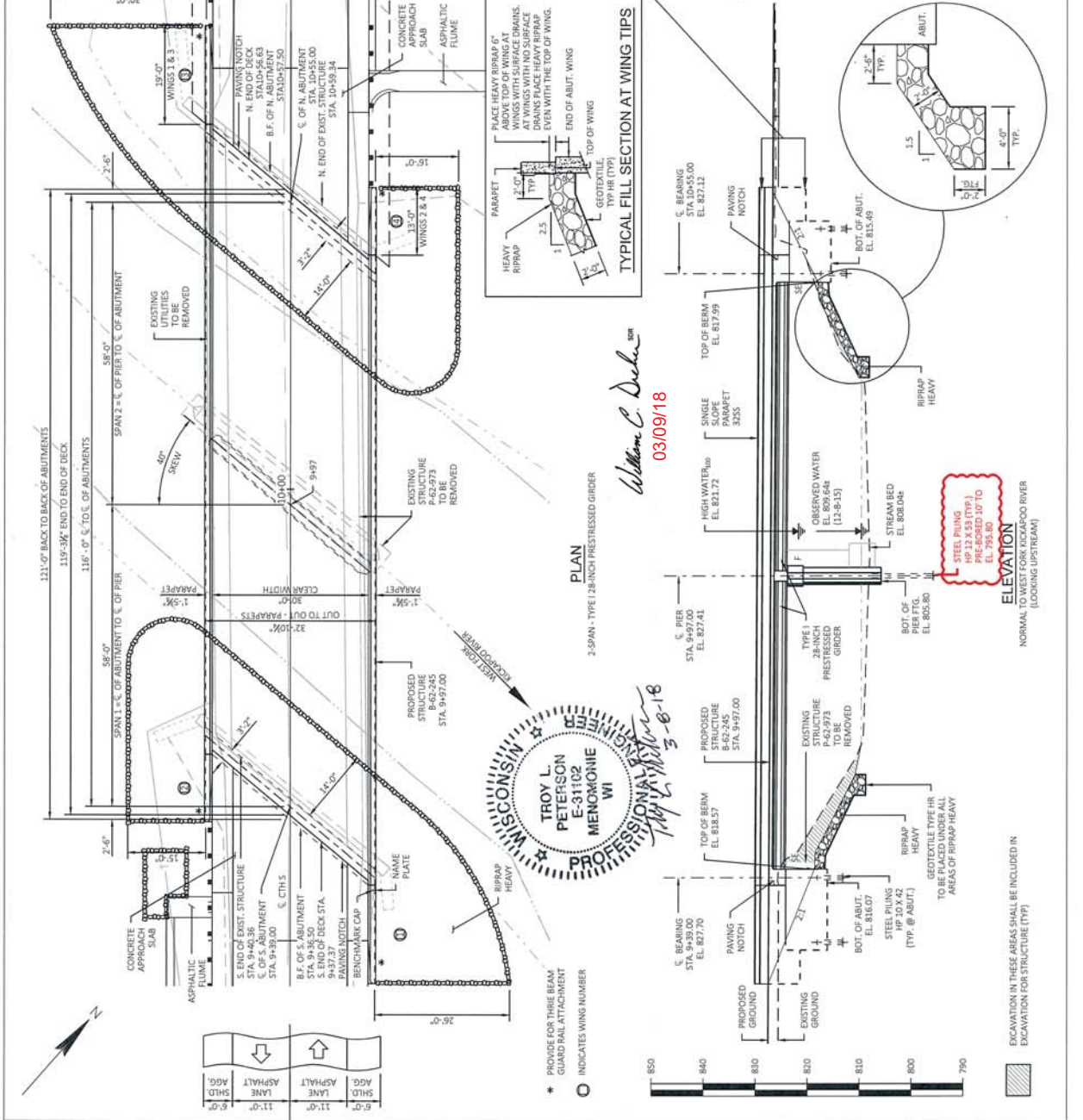
ADDENDUM NO. 2

ORIGINAL PLANS PREPARED BY
Cedar
 www.cedarcorp.com 800-472-7372
 CHIEF STRUCTURES DESIGN ENGINEER DATE

ACCEPTED
STRUCTURE B-62-245
 CTH'S OVER WEST FORK KICKAPOO RIVER
 COUNTY VERNON TOWNSHIP WEBSTER
 DESIGN SPEC. 100 LBS. BRIDGE DESIGN SPECIFICATIONS
 DESIGNED BY ATG EXT. TIP DAMAN MIT PAVS
 BY ATG EXT. TIP DAMAN MIT PAVS
 DATE

GENERAL PLAN
 SHEET 1 OF 14
 51

DATE: MARCH 2018
 I.D. 5289-00-71



STATE PROJECT NUMBER: 5289-00-71

ADDENDUM NO. 2

STRUCTURE B-62-245

GENERAL PLAN

SHEET 1 OF 14

DATE: MARCH 2018

I.D. 5289-00-71

Addendum No. 02
 ID 5289-00-71
 Revised Sheet 52
 March 9, 2018

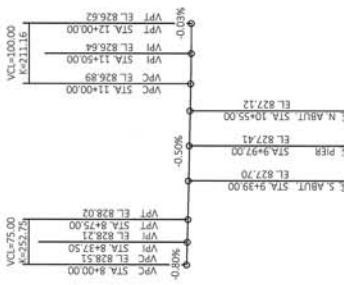
TOTAL ESTIMATED QUANTITIES

ITEM NUMBER	BID ITEMS	UNIT	SOUTH ABUT	PIER	SUPER	TOTALS
203.0000.5	REMOVING OLD STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS STA. 10+00	LS	-	-	-	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES 8-42-245	LS	-	-	-	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	330	330	640	640
502.0100	CONCRETE MASONRY BRIDGES	CY	68.8	67.9	165.5	371.0
502.3200	PROTECTIVE SURFACE TREATMENT	SF	-	-	400	400
502.3210	PIGMENTED SURFACE SEALER	SF	-	-	130	130
503.0128	PRESTRESSED GROBER TYPE 138-INCH	LF	-	-	700.5	700.5
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	3960	6720	32200	39930
506.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	2170	3390	32200	39930
508.2605	BEARING PADS ELASTOMERIC-NON-LAMINATED	EACH	6	12	-	24
508.4000	STEEL DIAPHRAGMS 16-62-245	EACH	-	-	10	10
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SF	11	11	22	22
550.0200	PRE-BORING ROCK ON CONSOLIDATED MATERIALS	LF	-	60	-	60
550.0500	PILE POINTS	EACH	8	8	-	16
550.1100	PILING STEEL HP 10-INCH x 42 LB	LF	120	120	-	340
550.1120	PILING STEEL HP 12-INCH x 53 LB	LF	-	150	-	150
608.0300	RIPPRAP HEAVY	CY	155	160	-	315
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	100	100	-	200
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EA	2	2	-	4
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SF	25	25	-	50
645.0120	GEOTEXTILE TYPE HR	SF	285	285	-	570
	FILLER	SIZE	-	-	-	77' x 7'

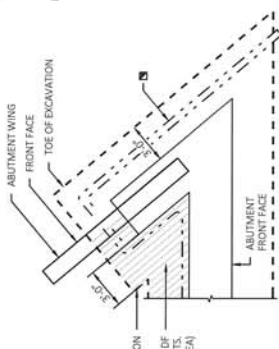
STATE PROJECT NUMBER
5289-00-71

GENERAL NOTES

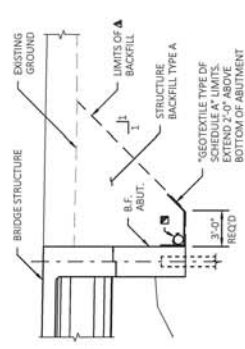
- DRAWINGS SHALL NOT BE SCALED.
- ALL STATIONS AND ALL ELEVATIONS ARE IN FEET.
- BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS SHOWN OR NOTED OTHERWISE.
- ALL REINFORCING BARS ARE ANGLED. THE FIRST DIGIT OF A THREE-DIGIT BAR MARK OR THE FIRST TWO DIGITS OF A FOUR-DIGIT BAR MARK SIGNIFIES THE BAR SIZE.
- JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF A.A.S.H.T.O. DESIGNATION M 153, TYPE II OR III OR A.A.S.H.T.O. DESIGNATION M 213.
- 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 SHEET 1 AND IN THE ABUTMENT DETAILS.
- STEEL HP PILE MATERIAL SHALL BE A.S.T.M. DESIGNATION A572.
- THE EXISTING STRUCTURE (P.R. 873) IS A 18' (1) LONG BY 28' (7) CLEAR WIDTH TWO SPAN STEEL DECK GIRDER BRIDGE.
- PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE TOP OF DECK SURFACE PIGMENTED SURFACE SEALER PARAPET, INCLUDING PARAPETS ON ABUTMENT.
- THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES BRIDGES 8-42-245 SHALL BE THE EXISTING GROUNDLINE.
- AT THE BACKFACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT ALLOWED TO REMAIN IN PLACE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL.
- BACKFILL PAY LIMITS, BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE DETERMINED BY THE CONTRACTOR.
- PIPE UNDERDRAIN WRAPPED 6-INCH, SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.
- AT ABUTMENTS AND PIERS, CONCRETE FLORES UNDERWATER WILL BE ALLOWED AND SHALL BE DONE IN ACCORDANCE WITH SECTION 502.3.3.3 OF THE STANDARD SPECIFICATIONS.
- THE MINIMUM CONCRETE HAUNCH SHALL BE 3" FOR DESIGN CALCULATIONS AND THE HAUNCH CONCRETE QUANTITY SHALL BE BASED ON AN AVERAGE HAUNCH DEPTH OF 3X, WHICH IS THE MAXIMUM HAUNCH QUANTITY FOR WHICH THE CONTRACTOR WILL BE PAID.



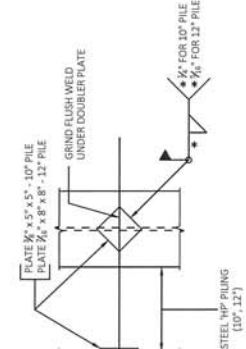
PROPOSED GRADE ON CTHS



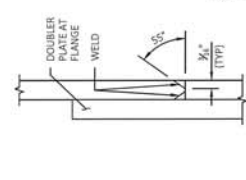
ABUTMENT PLAN WITH WING



STRUCTURE BACKFILL & LIMITS

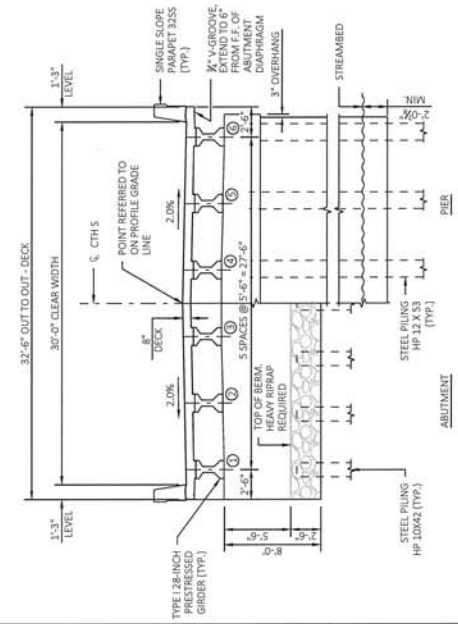


PILE SPLICE DETAILS



HP WELD DETAIL

William C. Decker
 03/09/18



CROSS SECTION THRU STRUCTURE

ADDENDUM NO. 2

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE 8-62-245			
ISSUED FOR	DRAWN BY	CHECKED BY	TYPED BY
QUANTITIES & NOTES			
			SHEET 2 OF 14
			52



Proposal Schedule of Items

Proposal ID: 20180313006 Project(s): 5289-00-71

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
0034	502.3200 Protective Surface Treatment	400.000 SY	_____.	_____.
0036	502.3210 Pigmented Surface Sealer	130.000 SY	_____.	_____.
0038	503.0128 Prestressed Girder Type I 28-Inch	700.500 LF	_____.	_____.
0040	505.0400 Bar Steel Reinforcement HS Structures	6,720.000 LB	_____.	_____.
0042	505.0600 Bar Steel Reinforcement HS Coated Structures	39,930.000 LB	_____.	_____.
0044	506.2605 Bearing Pads Elastomeric Non-Laminated	24.000 EACH	_____.	_____.
0046	506.4000 Steel Diaphragms (structure) 01. B-62-245	10.000 EACH	_____.	_____.
0048	516.0500 Rubberized Membrane Waterproofing	22.000 SY	_____.	_____.
0050	520.1018 Apron Endwalls for Culvert Pipe 18-Inch	4.000 EACH	_____.	_____.
0052	521.3118 Culvert Pipe Corrugated Steel 18-Inch	268.000 LF	_____.	_____.
0054	550.0020 Pre-Boring Rock or Consolidated Materials	60.000 LF	_____.	_____.
0056	550.0500 Pile Points	16.000 EACH	_____.	_____.
0058	550.1100 Piling Steel HP 10-Inch X 42 Lb	240.000 LF	_____.	_____.
0060	550.1120 Piling Steel HP 12-Inch X 53 Lb	150.000 LF	_____.	_____.
0062	601.0574 Concrete Curb & Gutter 4-Inch Sloped 30-Inch Type G	38.000 LF	_____.	_____.

