



# 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 8, 2020

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

### NOTICE TO ALL CONTRACTORS:

<p><b>Proposal #13: 4327-08-71</b> <b>V Denmark, CTH R</b> <b>Devils River Trail Bridge B-05-0438</b> <b>CTH R</b> <b>Brown County</b></p>	<p><b>4327-09-71</b> <b>V Denmark, CTH R</b> <b>Wall Street Bridge B-05-0439</b> <b>CTH R</b> <b>Brown County</b></p>
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### Letting of January 14, 2020

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
604.0400	Slope Paving Concrete	SY	830	-15	815
612.0406	Pipe Underdrain Wrapped 6-Inch	LF	380	480	860

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
203.0100	Removing Pipe Culverts	LF	0	2	2
204.0175	Removing Concrete Slope Paving	SY	0	302	302

#### Plan Sheets:

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
60 (60)	Quantities, Typical Section, & Design Data (Revised quantity for Pipe Underdrain 6-Inch for project 4327-08-71)
10 (98)	Miscellaneous Quantities (Added items Removing Small Pipe Culverts and Removing Concrete Slope Paving for project 4327-09-71)
69 (157)	General Plan (Revised Slope Paving for project 4327-09-71)
70 (158)	Quantities, Typical Section, & Design Data (Revised quantity for Pipe Underdrain 6-Inch and Slope Paving Concrete for project 4327-09-71)

<b>Added Plan Sheets</b>	
<b>Plan Sheet</b>	<b>Plan Sheet Title (brief description of changes to sheet)</b>
96A	Cross section sheet under Bridge B-05-0439 along Wall Street
96B	Cross section sheet under Bridge B-05-0439 along Wall Street
96C	Cross section sheet under Bridge B-05-0439 along Wall Street

**Schedule of Items**

Attached, dated January 8, 2020, are the revised Schedule of Items Pages 1 – 6.

**Plan Sheets**

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

Revised: 4327-08-71: 60

4327-09-71: 10, 69, 70; Added: 96A, 96B and 96C

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 4327-08-71  
Revised Sheet 60  
January 8, 2020

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	W. ABUT.	PIER 1	PIER 2	E. ABUT.	SUPER.	TOTAL
203.0200	REMOVING OLD STRUCTURE STATION 46+54.89	LS	-----	-----	-----	-----	-----	-----
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-5-438	LS	-----	-----	-----	-----	-----	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	280	-----	-----	280	-----	560
502.0100	CONCRETE MASONRY BRIDGES	CY	60	125	125	384	-----	754
502.3200	PROJECTIVE SURFACE TREATMENT	SY	-----	-----	-----	-----	575	575
502.3210	PIGMENTED SURFACE SEALER	SY	15	-----	-----	15	130	160
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	3,270	9,160	9,160	3,260	-----	24,850
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	1,590	17,000	17,000	1,590	78,640	115,820
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	12	-----	-----	12	-----	24
550.0500	PILE POINTS	EACH	10	40	40	10	-----	100
550.2124	PIILING CIP CONCRETE 12" X 0.25-INCH	LF	650	2,000	2,000	600	-----	5,250
604.0400	SLOPE PAVING CONCRETE	SY	280	-----	-----	255	-----	535
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	210	90	-----	210	-----	420
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	-----	-----	-----	2	-----	2
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	50	-----	-----	50	-----	100
SPV.0090.01	REMOVING EXISTING TIMBER PILING	LF	-----	280	280	-----	-----	560
SPV.0105.01	SUPERSTRUCTURE X" V-DRIP EDGE STRUCTURE B-5-438	LS	-----	-----	-----	-----	-----	1
	NON-BID ITEMS	SIZE	-----	-----	-----	-----	-----	1/2" & 3/4"
	FILLER		-----	-----	-----	-----	-----	-----

☆ IF THE CENTER OF THE PROPOSED PILE IS WITHIN 2'-6" FROM CENTER OF AN EXISTING PILE, THE EXISTING PILE CAN BE REMOVED OR THE PROPOSED PILE SPACING CAN BE ADJUSTED. PILES FROM THE ENGINEER, THE COST OF REMOVING EXISTING PILES FROM THE PROPOSED PILE SPACING IS INCIDENTAL TO REMOVING OLD STRUCTURE STATION 46+54.89.

DESIGN DATA

LIVE LOAD:  
DESIGN LOADING: HL-93  
INVENTORY RATING FACTOR: 1.24  
OPERATING RATING FACTOR: 1.61  
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = 250 KIPS  
STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20' x 5.5'.

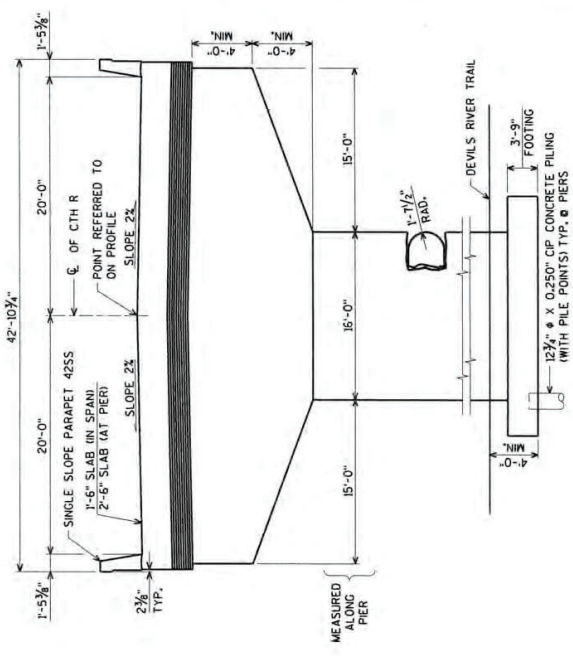
MATERIAL PROPERTIES:  
CONCRETE MASONRY (SUPERSTRUCTURE) f'c = 4,000 P.S.I.  
ALL OTHER f'c = 3,500 P.S.I.  
HIGH STRENGTH BAR STEEL REINFORCEMENT (GRADE 60) fy = 60,000 P.S.I.

FOUNDATION DATA:  
WEST ABUTMENT TO BE SUPPORTED ON 12" x 0.250" CP CONCRETE PILING (WITH PILE POINTS) DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 120 TONS + PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED LENGTH 65'-0".  
EAST ABUTMENT TO BE SUPPORTED ON 12" x 0.250" CP CONCRETE PILING (WITH PILE POINTS) DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 120 TONS + PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED LENGTH 60'-0".  
PIERS TO BE SUPPORTED ON 12" x 0.250" CP CONCRETE PILING (WITH PILE POINTS) DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 110 TONS + PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED LENGTH 50'-0".  
\* 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.

TRAFFIC DATA:  
A.A.D.T. = 3,500 (2019)  
A.A.D.T. = 4,300 (2039)  
R.D.S. = 50 M.P.H.

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 A.A.S.T.M. DESIGNATION M 213, TYPE 1, 11 OR 111 OR A.A.S.T.M. DESIGNATION M 213, TYPE 1, 11 OR 111 OR THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH SLOPE PAVING MATERIAL TO THE EXTENT SHOWN ON THE GENERAL PLAN SHEET AND IN THE ABUTMENT DETAIL SHEET.  
SUBSTRUCTURE SHALL BE SUPPORTED ON PILES OR THE SUBSTRUCTURE UNLESS OTHERWISE APPROVED BY THE ENGINEER.  
THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES BRIDGES B-5-438" SHALL BE THE EXISTING GROUND LINE.  
THE EXISTING STRUCTURE, B-5-331, TO BE REMOVED IS A 152'-0" LONG STRUCTURE, B-5-331, HAS 152' x 15' x 15' ON CONCRETE SILL-TYPE ABUTMENTS AND CONCRETE MULTI-COLUMNED PIERS WITH A CLEAR ROADWAY WIDTH OF 30'-FEET.  
AT THE BACK FACE OF ABUTMENTS, ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH PROTECTIVE SURFACE TREATMENT AND PIGMENTED SURFACE SEALER IS TO BE APPLIED AS SHOWN IN DETAIL ON SHEET 3. BEVEL EXPOSED EDGES OF CONCRETE 3/4" UNLESS NOTED OTHERWISE.  
EXCAVATION BELOW THE ABUTMENT AND ABUTMENT BEDDING MATERIALS REQUIRES ENGINEER APPROVAL. GEOTEXTILE SHALL BE PLACED ABOVE THE EXCAVATION AND EXTEND 2'-0" ABOVE BOTTOM OF ABUTMENT.  
THE BACKFILL QUANTITIES ARE BASED ON THE PAY LIMITS SHOWN ON THE PLANS AND MAY NOT REFLECT ACTUAL PLACED QUANTITIES. "BACKFILL STRUCTURE TYPE A" REQUIRED DIRECTLY BEHIND ABUTMENTS AND ABUTMENT WINGS FOR 3 FEET. BACKFILL PLACED BEYOND PAY LIMITS SHALL BE GENERAL FILL. QUANTITIES SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES.



TYPICAL SECTION THRU BRIDGE



William C. Decker, BR  
01/08/20

NO.	DATE	REVISION	BY
01-20		ADD PIPE UNDERDRAIN AT SLOPE PAVING	AYRES

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
STRUCTURE B-5-438	BY
QUANTITIES, TYPICAL SECTION, & DESIGN DATA	PLANS - C.B.S./C.B.M. BY C.B.S./C.B.M.
SHEET 2 OF 23	
60	

ORIGINAL PLANS PREPARED BY  
AVRES ASSOCIATES  
3433 Oakwood Hills Parkway  
Eau Claire, WI 54701  
www.avresassociates.com

Addendum No. 01  
ID 4327-09-71  
Revised Sheet 10  
January 8, 2020

LANDSCAPING ITEMS

STATION TO	STATION	LOCATION	625.0100 TOPSOIL SY	628.2004 EROSION MAT CLASS. I TYPE B SY	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING MIXTURE NO. 20 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL
44+80 -	45+90	CTHR	675	675	0.5	20	20	15
47+20 -	49+05	CTHR	1740	1740	1.1	50	50	40
	ENTIRE PROJECT		485	485	0.3	15	15	10
	UNDISTRIBUTED							
TOTALS			2,900	2,900	1.9	85	85	65

SILT FENCE

STATION TO	STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 MAINTENANCE LF
49+05 -	49+47	CTHR	200	400
50+53 -	53+00	CTHR	570	1,140
	UNDISTRIBUTED		150	300
TOTALS			920	1,840

REMOVING CONCRETE SLOPE PAVING

STATION TO	STATION	LOCATION	204.0175 SY
49+29 -	49+87	CTHR	164
50+17 -	50+70	CTHR	138
TOTALS			302

REMOVING SMALL PIPE CULVERTS

STATION	LOCATION	SIZE AND TYPE	LENGTH	203.0100 EACH
49+75	CTHR	18" RCP	100 FT	1
50+31	CTHR	18" RCP	100 FT	1
TOTAL				2

MOBILIZATIONS EROSION CONTROL

LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
CTHR	2	1
TOTAL	2	1

TEMPORARY DITCH CHECKS

STATION	LOCATION	628.7504 LF
49+90	CTHR RT	15
50+90	CTHR RT	15
52+60	CTHR RT	15
	UNDISTRIBUTED	15
TOTAL		60

CULVERT PIPE CHECKS

STATION	LOCATION	628.7555 EACH
49+50	CTHR RT	3
50+20	CTHR RT	3
50+85	CTHR LT	3
	UNDISTRIBUTED	6
TOTAL		15

ROCK BAGS

STATION	LOCATION	628.7570 EACH	REMARKS
49+25	CTHR RT	15	SILT FENCE RELIEF
49+50	CTHR LT	15	DITCH CHECK
	UNDISTRIBUTED	15	
TOTAL		45	

REMOVING SIGNS & SUPPORTS

STATION	LOCATION	638.2802 SIGNS TYPE II EACH	638.3000 SMALL SIGN SUPPORTS EACH
50+75	CTHR LT & RT	2	2
TOTALS		2	2

ALL ITEMS CATEGORY 0010 UNLESS SPECIFIED.

**LIST OF DRAWINGS**

1. GENERAL PLAN
2. QUANTITIES, TYPICAL SECTION, & DESIGN DATA
3. MISCELLANEOUS DETAILS
4. SUBSURFACE EXPLORATION
5. WEST ABUTMENT
6. WEST ABUTMENT PILE LAYOUT
7. WEST ABUTMENT WING 1 DETAILS
8. WEST ABUTMENT WING 2 DETAILS
9. WEST ABUTMENT DETAILS & BILL OF BARS
10. EAST ABUTMENT
11. EAST ABUTMENT PILE LAYOUT
12. EAST ABUTMENT WING 3 DETAILS
13. EAST ABUTMENT WING 4 DETAILS
14. EAST ABUTMENT DETAILS & BILL OF BARS
15. 45W PRESTRESSED GIRDER DETAILS
16. STEEL DECK GIRDER DETAILS
17. STEEL DECK GIRDER DETAILS
18. SUPERSTRUCTURE PLAN
19. SUPERSTRUCTURE TRANSVERSE SLAB STEEL LAYOUT
20. SUPERSTRUCTURE TRANSVERSE SLAB STEEL LAYOUT
21. SUPERSTRUCTURE DETAILS
22. SLOPE PAVING
23. SLOPE PAVING (CONCRETE CAST-IN-PLACE)

Addendum No. 01  
ID 4327-09-71  
Revised Sheet 69  
January 8, 2020

FOR TYPICAL SECTION  
AND DESIGN DATA  
SEE SHEET 2

*William C. Decker*  
01/08/20



NO.	DATE	ADD	REVISION	WALLS	AYRES	BY
8						

ORIGINAL PLANS PREPARED BY  
**AYRES ASSOCIATES**  
3433 Oakwood Hills Parkway  
Eau Claire, WI 54601  
www.ayresassociates.com

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

ACCEPTED: CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-5-439

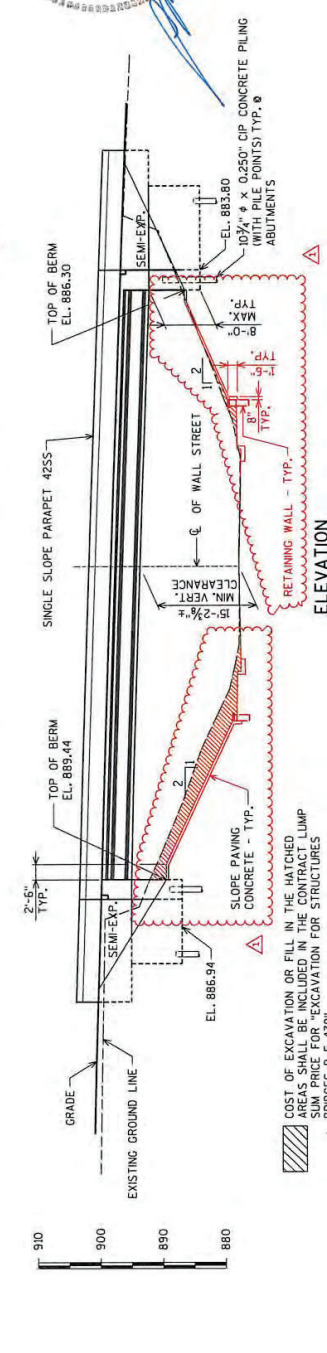
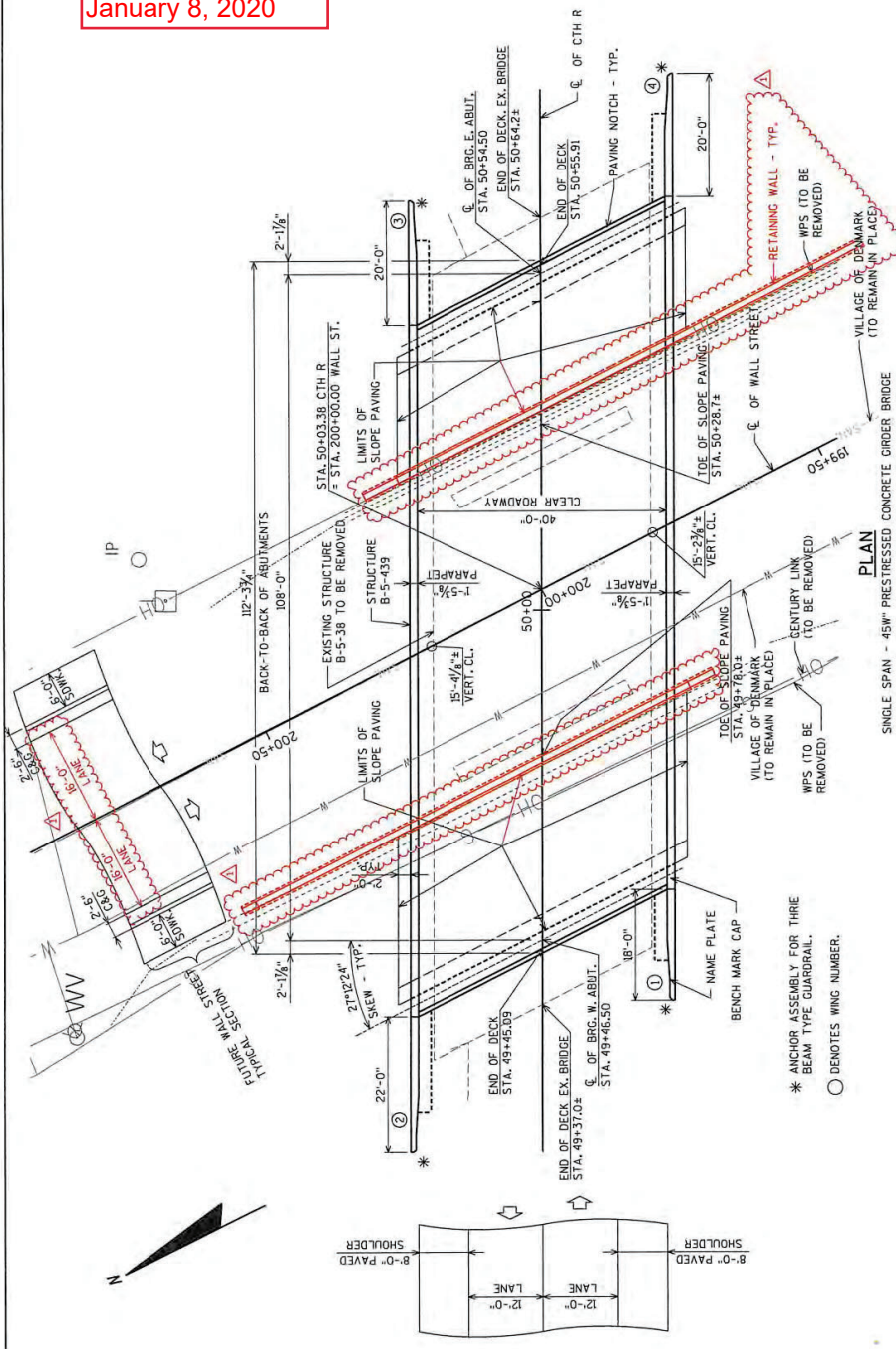
CITY: BROWN COUNTY: DENMARK

DESIGN SPEC: JASBUTO LRBED BRIDGE DESIGN SPECIFICATIONS  
DESIGNED BY: AEBI (CIVIL) ZSS (STRUCTURES) CCBM  
PLANS DRAWN BY: JEB (CIVIL) CCBM

GENERAL PLAN SHEET 1 OF 23

BRIDGE OFFICE CONTACT:  
WILLIAM DREHER  
(608)-666-8489

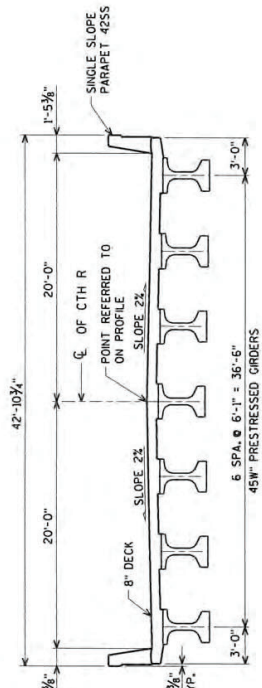
CONSULTANT CONTACT:  
CHRIS MCMAHON  
(715)-834-3161



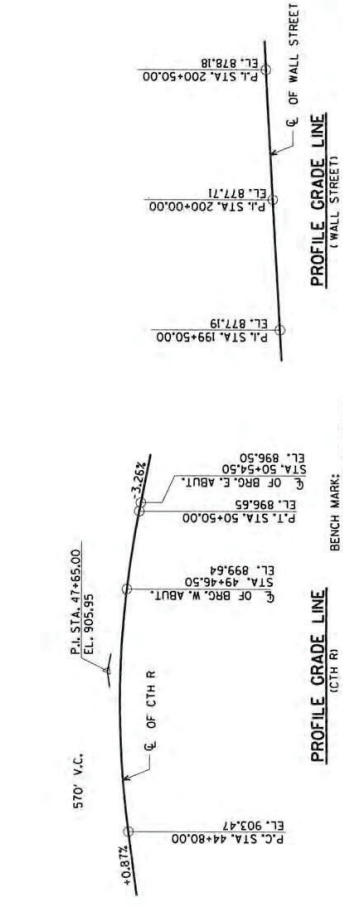
TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	W. ABUT.	E. ABUT.	SUPER.	TOTAL
203.0200	REMOVING OLD STRUCTURE STA. 50+00.00	LS	-----	-----	-----	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-5-439	LS	-----	-----	-----	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	410	400	-----	810
502.0100	CONCRETE MASONRY BRIDGES	CY	83	82	-----	372
502.3200	PROTECTIVE SURFACE TREATMENT	SY	-----	-----	495	495
502.3210	PROTECTIVE SURFACE SEALER	LF	20	20	-----	115
503.0146	PRESTRESSED GIRDER TYPE I 45W-INCH	LF	-----	-----	763	763
505.0400	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	4,620	4,610	-----	9,230
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	5,030	4,970	-----	10,000
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	7	7	-----	14
506.4000	STEEL DIAPHRAGMS B-5-439	EACH	-----	-----	12	12
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	14	14	-----	28
550.0500	PILE POINTS	EACH	17	17	-----	34
550.2104	PIILING CIP CONCRETE 10"x 0.25'-INCH	LF	1,105	1,105	-----	2,210
604.0400	SLOPE PAVING CONCRETE	SY	175	125	-----	300
612.0406	PIPE UNDERDRAIN WRAPPED 6'-INCH	LF	220	220	-----	440
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	2	2	-----	4
645.0111	GEOTEXTILE TYPE D, SCHEDULE A	SY	50	50	-----	100
SPV-0105.02	SUPERSTRUCTURE 1/4" V-DRIP EDGE STRUCTURE B-5-439	LS	-----	-----	-----	1
	NON-BID ITEMS	SIZE	-----	-----	-----	1/2" & 3/4"
	FILLER					

Addendum No. 01  
ID 4327-09-71  
Revised Sheet 70  
January 8, 2020



TYPICAL SECTION THRU BRIDGE



BENCH MARK:  
ALUM. CAP ON NE RW  
STA. 50+52.16, 0 FT., L.T.  
EL. 896.78

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED. ALL 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. ALL JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF A.S.T.M. DESIGNATION W 23. ALL JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF A.S.T.M. DESIGNATION W 23. THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH SLOPE PAVING MATERIAL TO THE EXTENT SHOWN ON THE GENERAL PLAN SHEET AND IN THE ABUTMENT DETAILS. PRECAST CURB AND GUTTER PAVING SHALL BE INDIVIDUALLY MOLDED TO THE CURB AND GUTTER PAVING. THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES BRIDGES B-5-439 SHALL BE THE EXISTING GROUND LINE. THE EXISTING STRUCTURE, B-5-38, TO BE REMOVED, IS A 127-FOOT LONG, THREE SPAN, CONCRETE HAUNCHED SLAB BRIDGE WITH A CLEAR ROADWAY WIDTH OF 30'-FEET, ON CONCRETE SILL-TYPE ABUTMENTS. THE EXISTING STRUCTURE IS TO BE REMOVED WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH BACKFILL STRUCTURE TYPE A. PROTECTIVE SURFACE TREATMENT AND PIGMENTED SURFACE SEALER IS TO BE APPLIED AS SHOWN IN DETAIL ON SHEET 3. BEVEL EXPOSED EDGES OF CONCRETE 3/4" UNLESS NOTED OTHERWISE. EXCAVATION BELOW THE ABUTMENT AND ABUTMENT BEDDING MATERIALS BEHIND THE ABUTMENT SHALL BE BACKFILLED WITH BACKFILL STRUCTURE TYPE A 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. THE BACKFILL QUANTITIES ARE BASED ON THE PAY LIMITS SHOWN ON THE PLANS AND MAY NOT REFLECT ACTUAL PLACED QUANTITIES. "BACKFILL STRUCTURE TYPE A" REQUIRED DIRECTLY BEHIND ABUTMENTS FOR EXCEEDING PAY LIMITS SHALL BE BACKFILLED BEYOND PAY LIMITS FOR EXCEEDING PAY QUANTITIES SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES.

DESIGN DATA

LIVE LOAD: HS-20  
DESIGN LOADING: HL-93  
DESIGN SPEED: 55 MPH  
OPERATING RATING FACTOR: 1.95  
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) \* 250 KIPS  
STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20" 7.5% P.  
MATERIAL PROPERTIES:  
CONCRETE MASONRY (SUPERSTRUCTURE) f'c = 4,000 P.S.I., f'c = 3,500 P.S.I., ALL OTHER  
HIGH STRENGTH BAR STEEL REINFORCEMENT (GRADE 60) f'y = 60,000 P.S.I., f'y = 60,000 P.S.I.,  
45W PRESTRESSED GIRDER  
CONCRETE MASONRY  
STRANDS - 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF f'cu = 270,000 P.S.I., f'cu = 270,000 P.S.I.,  
FOUNDATION DATA:  
WEST ABUTMENT TO BE SUPPORTED ON 10 3/4" x 0.250' CIP CONCRETE PILING (WITH PILE POINTS) DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 130 TONS PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA, ESTIMATED LENGTH 65'-0".  
EAST ABUTMENT TO BE SUPPORTED ON 10 3/4" x 0.250' CIP CONCRETE PILING (WITH PILE POINTS) DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 130 TONS PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA, ESTIMATED LENGTH 65'-0".  
\* 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.

TRAFFIC DATA

C.T.H.R.  
A.A.D.T. = 3,500 (2019)  
A.A.D.T. = 4,300 (2039)  
R.D.S. = 50 M.P.H.  
WALL STREET  
A.A.D.T. = 720 (2019)  
A.A.D.T. = 820 (2039)  
R.D.S. = 30 M.P.H.



William C. Dehn, Inc.  
01/08/20

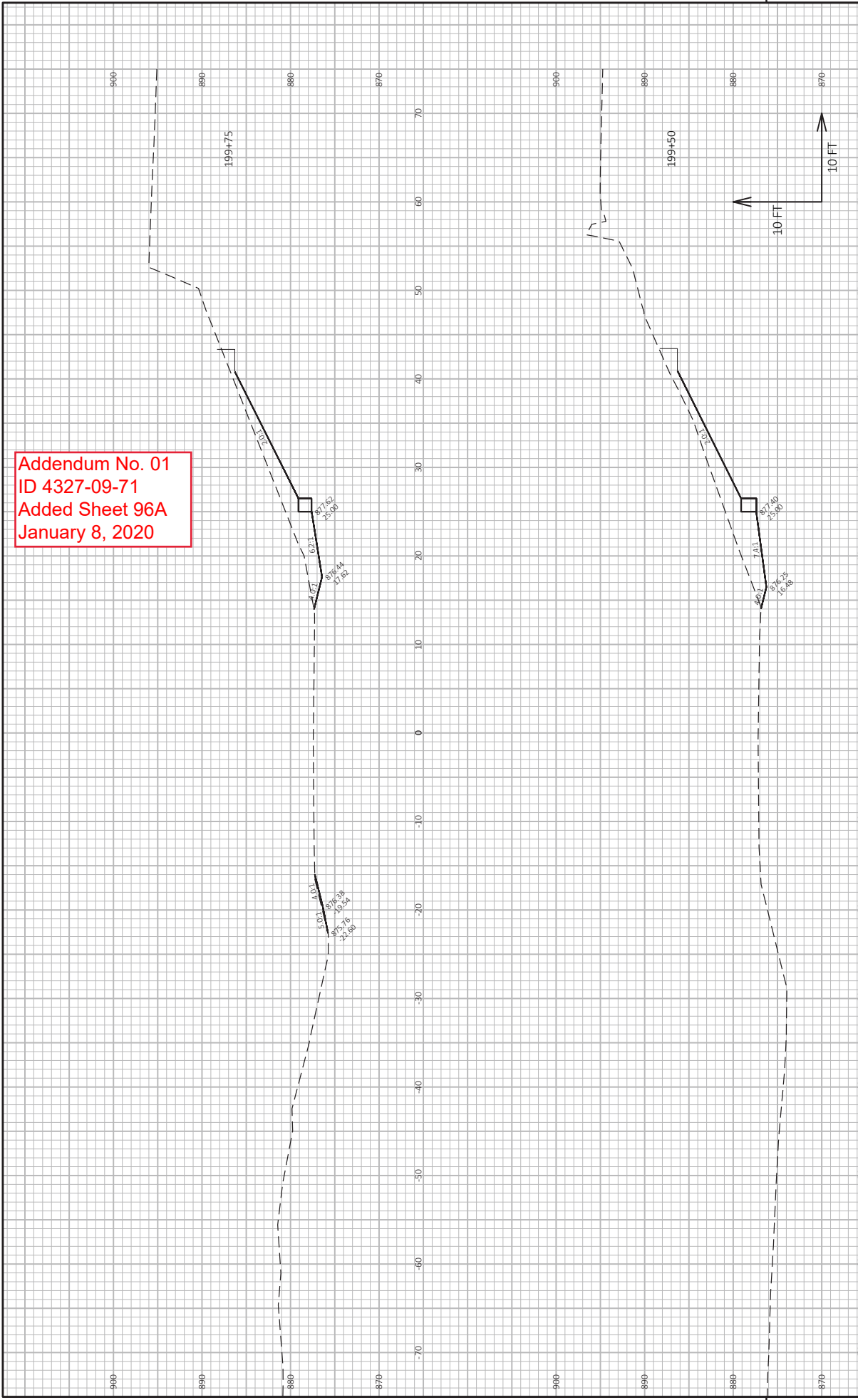
STRUCTURE B-5-439

QUANTITIES, TYPICAL SECTION, & DESIGN DATA

ORIGINAL PLANS PREPARED BY  
3433 Oakwood Hills Parkway  
Eau Claire, WI 54601  
www.AyrAssociates.com

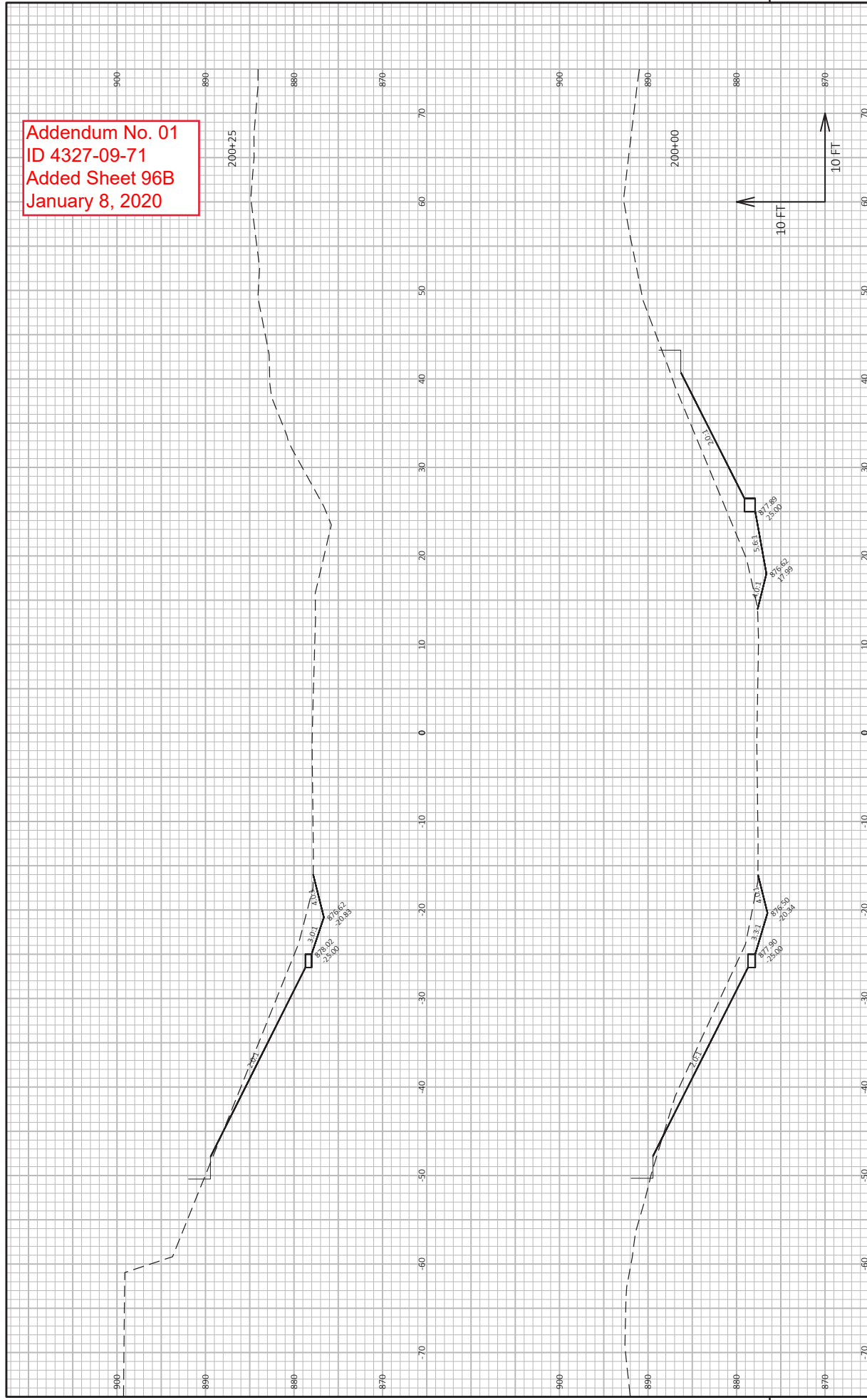
STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION  
BY: AYRES  
NO. DATE: REVISION: PLANS SUB. CBM  
SHEET 2 OF 23  
870

Addendum No. 01  
 ID 4327-09-71  
 Added Sheet 96A  
 January 8, 2020



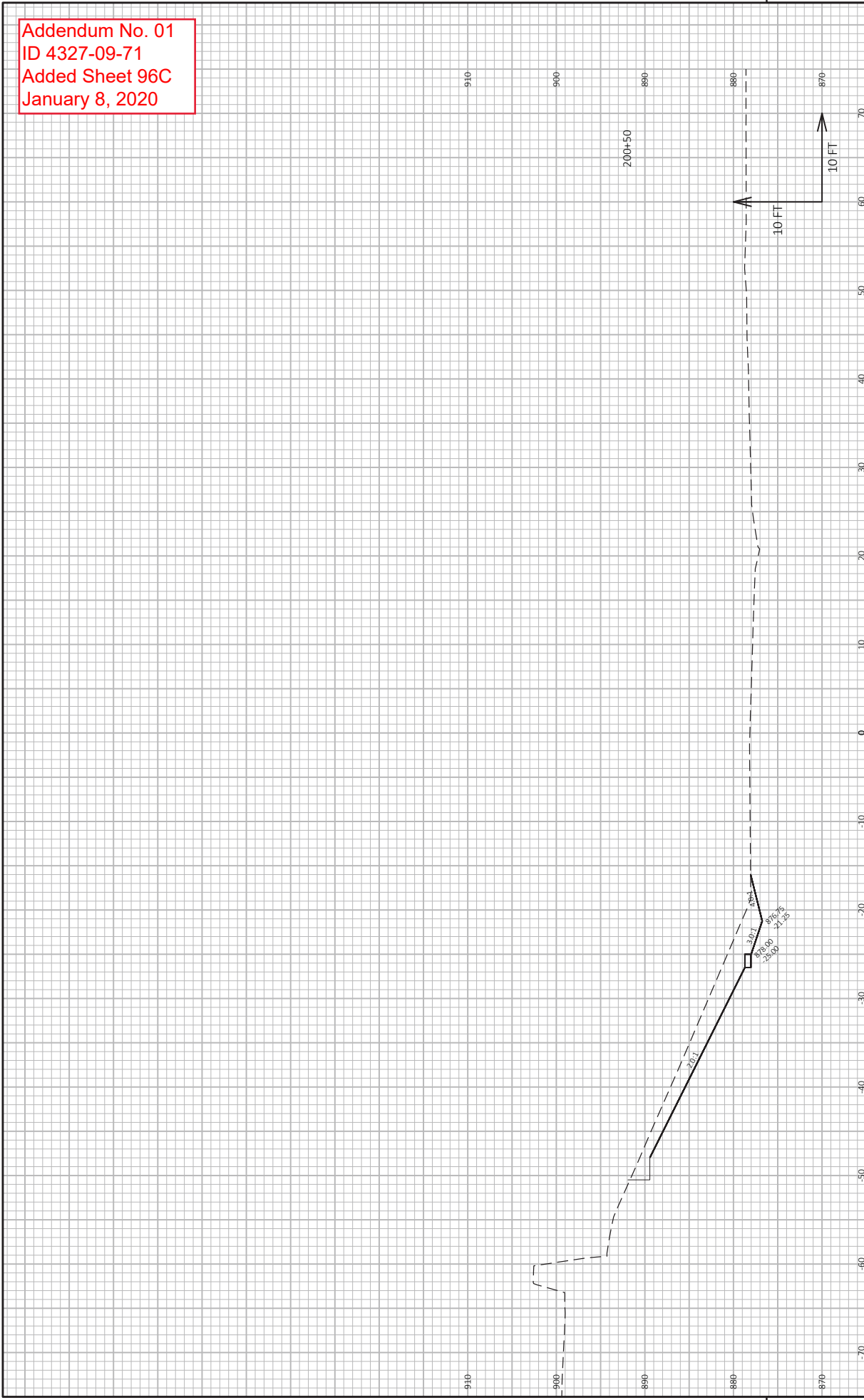
PROJECT NO: 4327-09-71	COUNTY: BROWN	CROSS SECTIONS: WALL ST	SHEET 96A
HWY: CTH R	FLY BY: SCHMEL, RAN	PLOT NAME:	
FILE NAME: V:\TRANS-SB\450444 CTH R (WALL)CSD\DE SIGNAL\PROF\S\AL\PROF-WALLS (TEMP).DWG	DATE: 1/2/2020 3:51 PM	PLOT SCALE: 1 IN=10 FT HORZ. / 1 IN=10 FT VERT.	
LAYOUT NAME: Wall Temp - 1)			

Addendum No. 01  
 ID 4327-09-71  
 Added Sheet 96B  
 January 8, 2020





Addendum No. 01  
ID 4327-09-71  
Added Sheet 96C  
January 8, 2020



PROJECT NO: 4327-09-71  
FILE NAME: V:\TRANS-SB\450444 CTR R (WALL)CADD\DESIGNAL\PROF-WALLS (TEMP).DWG  
LAYOUT NAME: Wall Temp - E1

COUNTY: BROWN  
CROSS SECTIONS: WALL ST  
PLOT BY: SCHATTEL, RIAN

HWY: CTH R  
PLOT DATE: 1/2/2020 3:51 PM

SHEET 96C  
E

WISDOT/CADD/SHEET 49



## Proposal Schedule of Items

Proposal ID: 20200114013 Project(s): 4327-08-71, 4327-09-71

Federal ID(s): N/A, 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
0002	203.0200 Removing Old Structure (station) 01. 46+54.89	LS	LUMP SUM	_____.
0004	203.0200 Removing Old Structure (station) 02. 50+00	LS	LUMP SUM	_____.
0006	204.0100 Removing Pavement	1,600.000 SY	_____.	_____.
0008	204.0165 Removing Guardrail	888.000 LF	_____.	_____.
0010	205.0100 Excavation Common	1,269.000 CY	_____.	_____.
0012	206.1000 Excavation for Structures Bridges (structure) 01. B-5-438	LS	LUMP SUM	_____.
0014	206.1000 Excavation for Structures Bridges (structure) 02. B-5-439	LS	LUMP SUM	_____.
0016	208.0100 Borrow	1,460.000 CY	_____.	_____.
0018	210.1500 Backfill Structure Type A	1,370.000 TON	_____.	_____.
0020	213.0100 Finishing Roadway (project) 01. 4327- 08-71	1.000 EACH	_____.	_____.
0022	213.0100 Finishing Roadway (project) 02. 4327- 09-71	1.000 EACH	_____.	_____.
0024	305.0110 Base Aggregate Dense 3/4-Inch	100.000 TON	_____.	_____.
0026	305.0120 Base Aggregate Dense 1 1/4-Inch	1,065.000 TON	_____.	_____.
0028	311.0110 Breaker Run	1,905.000 TON	_____.	_____.
0030	415.0070 Concrete Pavement 7-Inch	80.000 SY	_____.	_____.



## Proposal Schedule of Items

Proposal ID: 20200114013 Project(s): 4327-08-71, 4327-09-71

Federal ID(s): N/A, 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	415.0410 Concrete Pavement Approach Slab	240.000 SY	_____.	_____.
0034	416.1010 Concrete Surface Drains	25.000 CY	_____.	_____.
0036	502.0100 Concrete Masonry Bridges	1,126.000 CY	_____.	_____.
0038	502.3200 Protective Surface Treatment	1,070.000 SY	_____.	_____.
0040	502.3210 Pigmented Surface Sealer	315.000 SY	_____.	_____.
0042	503.0146 Prestressed Girder Type I 45W-Inch	763.000 LF	_____.	_____.
0044	505.0400 Bar Steel Reinforcement HS Structures	34,080.000 LB	_____.	_____.
0046	505.0600 Bar Steel Reinforcement HS Coated Structures	157,330.000 LB	_____.	_____.
0048	506.2605 Bearing Pads Elastomeric Non-Laminated	14.000 EACH	_____.	_____.
0050	506.4000 Steel Diaphragms (structure) 01. B-5-439	12.000 EACH	_____.	_____.
0052	516.0500 Rubberized Membrane Waterproofing	52.000 SY	_____.	_____.
0054	550.0500 Pile Points	134.000 EACH	_____.	_____.
0056	550.2104 Piling CIP Concrete 10 3/4 X 0.25-Inch	2,210.000 LF	_____.	_____.
0058	550.2124 Piling CIP Concrete 12 3/4 X 0.25-Inch	5,250.000 LF	_____.	_____.
0060	604.0400 Slope Paving Concrete	815.000 SY	_____.	_____.
0062	606.0200 Riprap Medium	24.000 CY	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114013 Project(s): 4327-08-71, 4327-09-71

Federal ID(s): N/A, 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
0064	612.0406 Pipe Underdrain Wrapped 6-Inch	860.000 LF	_____.	_____.
0066	614.0150 Anchor Assemblies for Steel Plate Beam Guard	8.000 EACH	_____.	_____.
0068	614.2300 MGS Guardrail 3	196.500 LF	_____.	_____.
0070	614.2330 MGS Guardrail 3 K	356.000 LF	_____.	_____.
0072	614.2500 MGS Thrie Beam Transition	316.000 LF	_____.	_____.
0074	614.2610 MGS Guardrail Terminal EAT	1.000 EACH	_____.	_____.
0076	618.0100 Maintenance And Repair of Haul Roads (project) 01. 4327-08-71	1.000 EACH	_____.	_____.
0078	618.0100 Maintenance And Repair of Haul Roads (project) 02. 4327-09-71	1.000 EACH	_____.	_____.
0080	619.1000 Mobilization	1.000 EACH	_____.	_____.
0082	624.0100 Water	14.000 MGAL	_____.	_____.
0084	625.0100 Topsoil	5,180.000 SY	_____.	_____.
0086	628.1504 Silt Fence	2,020.000 LF	_____.	_____.
0088	628.1520 Silt Fence Maintenance	4,040.000 LF	_____.	_____.
0090	628.1905 Mobilizations Erosion Control	5.000 EACH	_____.	_____.
0092	628.1910 Mobilizations Emergency Erosion Control	3.000 EACH	_____.	_____.
0094	628.2004 Erosion Mat Class I Type B	5,180.000 SY	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114013 Project(s): 4327-08-71, 4327-09-71

Federal ID(s): N/A, 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
0096	628.7504 Temporary Ditch Checks	135.000 LF	_____.	_____.
0098	628.7555 Culvert Pipe Checks	15.000 EACH	_____.	_____.
0100	628.7570 Rock Bags	120.000 EACH	_____.	_____.
0102	629.0210 Fertilizer Type B	3.300 CWT	_____.	_____.
0104	630.0120 Seeding Mixture No. 20	145.000 LB	_____.	_____.
0106	630.0200 Seeding Temporary	145.000 LB	_____.	_____.
0108	630.0500 Seed Water	120.000 MGAL	_____.	_____.
0110	638.2602 Removing Signs Type II	4.000 EACH	_____.	_____.
0112	638.3000 Removing Small Sign Supports	4.000 EACH	_____.	_____.
0114	642.5001 Field Office Type B	1.000 EACH	_____.	_____.
0116	643.0420 Traffic Control Barricades Type III	4,080.000 DAY	_____.	_____.
0118	643.0705 Traffic Control Warning Lights Type A	6,240.000 DAY	_____.	_____.
0120	643.0900 Traffic Control Signs	11,340.000 DAY	_____.	_____.
0122	643.0920 Traffic Control Covering Signs Type II	2.000 EACH	_____.	_____.
0124	643.5000 Traffic Control	1.000 EACH	_____.	_____.
0126	645.0111 Geotextile Type DF Schedule A	200.000 SY	_____.	_____.
0128	645.0120 Geotextile Type HR	80.000 SY	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20200114013 Project(s): 4327-08-71, 4327-09-71

Federal ID(s): N/A, 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
0130	646.1020 Marking Line Epoxy 4-Inch	3,095.000 LF	_____.	_____.
0132	650.4500 Construction Staking Subgrade	576.000 LF	_____.	_____.
0134	650.5000 Construction Staking Base	576.000 LF	_____.	_____.
0136	650.6500 Construction Staking Structure Layout (structure) 01. B-5-438	LS	LUMP SUM	_____.
0138	650.6500 Construction Staking Structure Layout (structure) 02. B-5-439	LS	LUMP SUM	_____.
0140	650.9910 Construction Staking Supplemental Control (project) 01. 4327-08-71	LS	LUMP SUM	_____.
0142	650.9910 Construction Staking Supplemental Control (project) 02. 4327-09-71	LS	LUMP SUM	_____.
0144	650.9920 Construction Staking Slope Stakes	576.000 LF	_____.	_____.
0146	690.0250 Sawing Concrete	60.000 LF	_____.	_____.
0148	715.0415 Incentive Strength Concrete Pavement	160.000 DOL	1.00000	160.00
0150	715.0502 Incentive Strength Concrete Structures	7,212.000 DOL	1.00000	7,212.00
0152	999.1000.S Seismograph 01. 4327-08-71	LS	LUMP SUM	_____.
0154	999.1000.S Seismograph 02. 4327-09-71	LS	LUMP SUM	_____.
0156	SPV.0090 Special 01. Removing Existing Timber Piling	560.000 LF	_____.	_____.
0158	SPV.0105 Special 01. Superstructure 3/4" V-Drip Edge Structure B-5-438	LS	LUMP SUM	_____.



Proposal Schedule of Items

Proposal ID: 20200114013 Project(s): 4327-08-71, 4327-09-71

Federal ID(s): N/A, 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
0160	SPV.0105 Special 02. Superstructure 3/4" V-Drip Edge Structure B-5-439	LS	LUMP SUM	_____.
0162	SPV.0195 Special 01. Traffic Bond Limestone 3/8-Inch	50.000 TON	_____.	_____.
0164	203.0100 Removing Small Pipe Culverts	2.000 EACH	_____.	_____.
0166	204.0175 Removing Concrete Slope Paving	302.000 SY	_____.	_____.
Section: 0001			Total:	_____.
			Total Bid:	_____.

