



Wisconsin Department of Transportation

Division of Transportation Systems Development

Bureau of Project Development
4822 Madison Yards Way, 4th Floor South
Madison, WI 53705

December 5, 2019

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

NOTICE TO ALL CONTRACTORS:

Proposal #18: 4362-02-71
T Cato, CTH S
Manitowoc River Bridge
CTH S
Manitowoc County

Letting of December 10, 2019

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

Special Provisions:

Added Special Provisions	
Article No.	Description
15	Underwater Substructure Inspection B-36-233, Item 506.9000.S.01

Deleted Special Provisions	
Article No.	Description
13	Underwater Foundation Inspection B-36-233, Item 206.0600.S.01

Schedule of Items:

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
502.9000.S.01	Underwater Substructure Inspection B-36-233	EA	0	1	1

Deleted Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
206.1050.S.01	Underwater Foundation Inspection B-36-233	EA	1	-1	0

Plan Sheets:

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
4-6	Typical Sections – Upper Layer of Asphaltic Surface changed from 19 mm nominal to 12.5 mm nominal.
67	Revised Total Estimated Quantities table on structure plan

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. 01

4362-02-71

December 5, 2019

Special Provisions

13. DELETED.

15. Underwater Substructure Inspection B-36-233, Item 502.9000.S.01.

A Description

This special provision describes providing underwater inspections of the substructure seal(s), footing(s) or shaft(s).

B (Vacant)

C Construction

After placement of Concrete Masonry Bridges or Concrete Masonry Seal for the substructure and as soon as practicable after removal of the forms, provide a diver who, under the direction of the engineer, will report the characteristics and quality of the concrete placed below water level to ensure that the concrete masonry has been properly formed and placed.

Provide a video monitor and video camera, along with two-way audio communications with the diver during the inspection and record the video and audio.

Correct all deficiencies in the concrete and repeat the inspections until all deficiencies are corrected.

D Measurement

The department will measure Underwater Substructure Inspection B-36-233 once for each individual unit, acceptably completed. The entire pier or abutment substructure location is considered a unit. Multiple underwater inspections at the same substructure location to correct concrete deficiencies will not be measured.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
502.9000.S.01	Underwater Substructure Inspection B-36-233	EACH

Payment is full compensation for all diving inspections and reporting; and for supplying video and two-way audio communications equipment and recorded electronic video and audio files. Payment for correcting deficiencies in the placed concrete will be included at no extra cost to the project.

stp-502-090 (20190618)

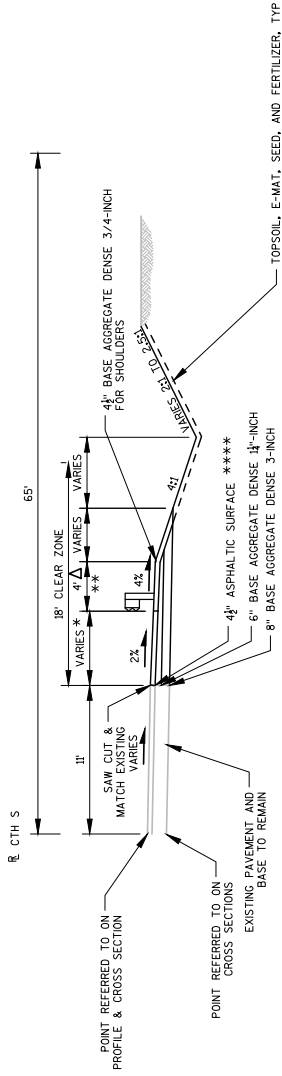
Schedule of Items

Attached, dated December 5, 2019, are the revised Schedule of Items Pages 1 – 5.

Plan Sheets

The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:
Revised: 4 – 6 and 67.

END OF ADDENDUM

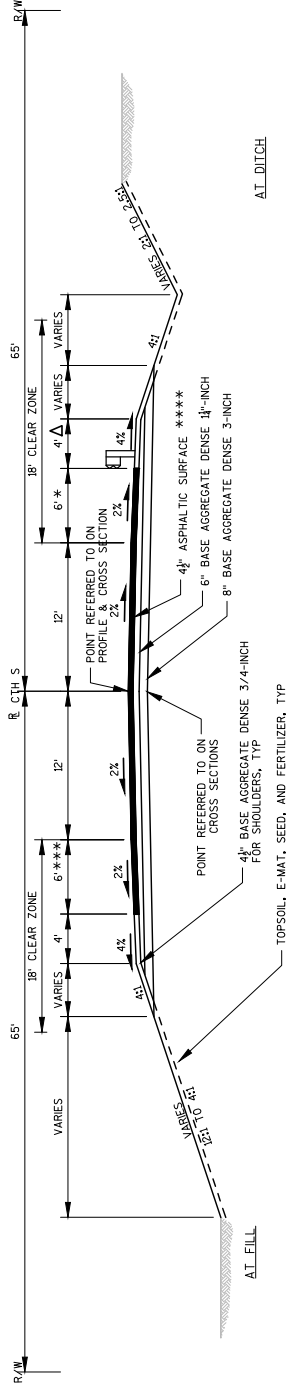


TYPICAL FINISHED SECTION - CTH S

STA 6+83.36 TO STA 8+00.00

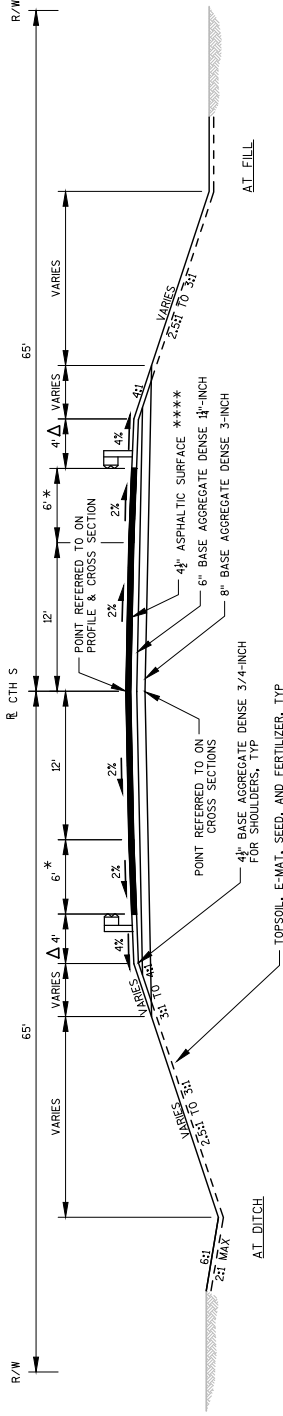
- NOTES:
- Δ INCREASE TO 6' AT POST NO. 1 OF ENERGY ABSORBING TERMINAL
 - * VARIES TO 8' AT TERMINAL AND 5' AT BRIDGE
 - ** BEAM GUARD FROM STA 7+79.85 TO STA 8+00.00
 - *** VARIES TO 11' AT BRIDGE
 - **** CONSTRUCT CTH S ASPHALTIC SURFACE(MAINLINE) 4.5" DEPTH, AS PER LOWER (2.5 MM NOMINAL SIZE AGGREGATE) 4" DEPTH, UPPER (2.5 MM NOMINAL SIZE AGGREGATE) 2 1/2" LOWER LAYER (3 MM NOMINAL SIZE AGGREGATE)

Addendum No. 01
ID 4362-02-71
Revised Sheet 4
December 5, 2019



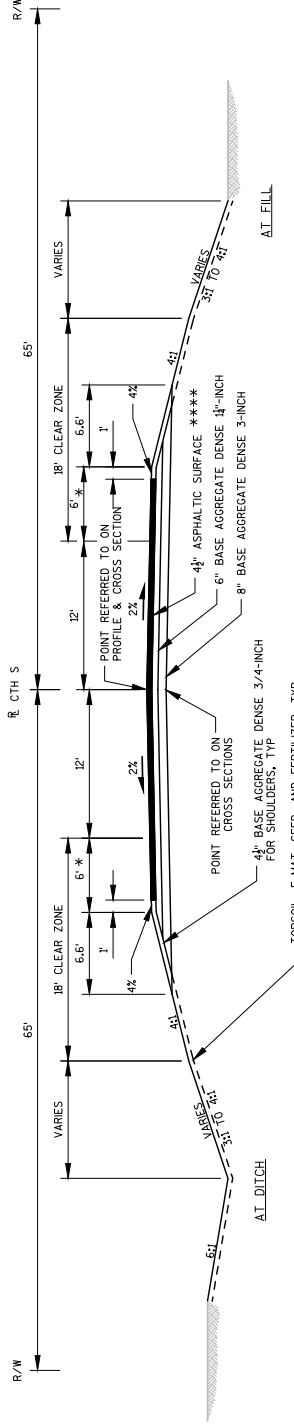
TYPICAL FINISHED SECTION - CTH S

STA 8+00.00 TO BRIDGE



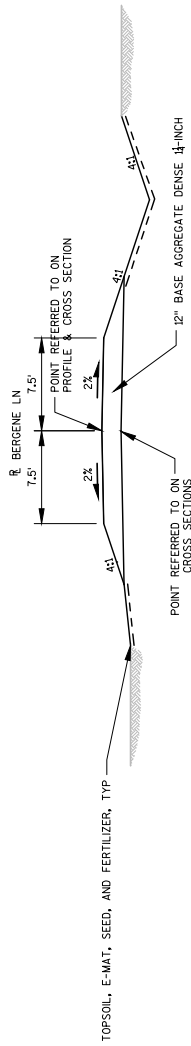
NOTES:
 Δ INCREASE TO 6' AT POST NO. 1 OF ENERGY ABSORBING TERMINAL
 * VARIES TO 8' AT BRIDGE
 * VARIES TO 8' AT TERMINAL AND
 ***** CONSTRUCT CTH S ASPHALTIC SURFACE(MAINLINE) 4.5" DEPTH AS FOLLOWS:
 1" UPPER LAYER (2.5 MM NOMINAL SIZE AGGREGATE)
 2" 1/2" LOWER LAYER (19 MM NOMINAL SIZE AGGREGATE)

Addendum No. 01
 ID 4362-02-71
 Revised Sheet 5
 December 5, 2019



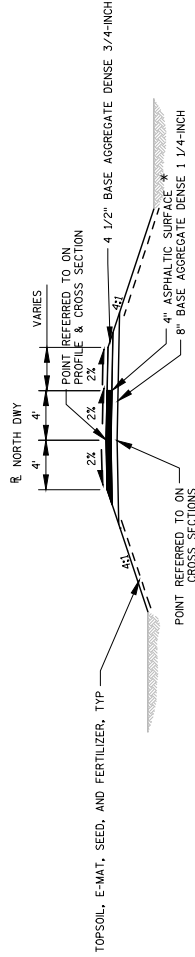
TYPICAL FINISHED SECTION - CTH S
 BRIDGE TO STA 11+78.50

TYPICAL FINISHED SECTION - CTH S
 STA 11+78.50 TO STA 12+50.00



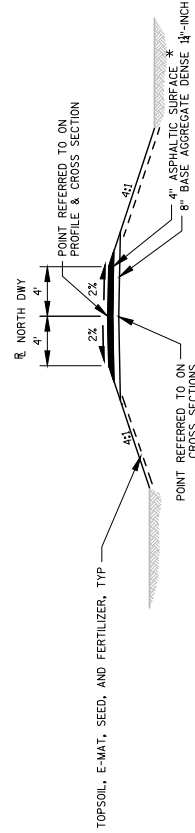
TYPICAL FINISHED SECTION - BERGENE LN

STA 100+00.00 TO STA 104+05.91



TYPICAL FINISHED SECTION - NORTH DWY

STA 20+35.11 TO STA 20+75.00



TYPICAL FINISHED SECTION - NORTH DWY

STA 20+15.00 TO STA 22+12.50

Addendum No. 01
 ID 4362-02-71
 Revised Sheet 6
 December 5, 2019

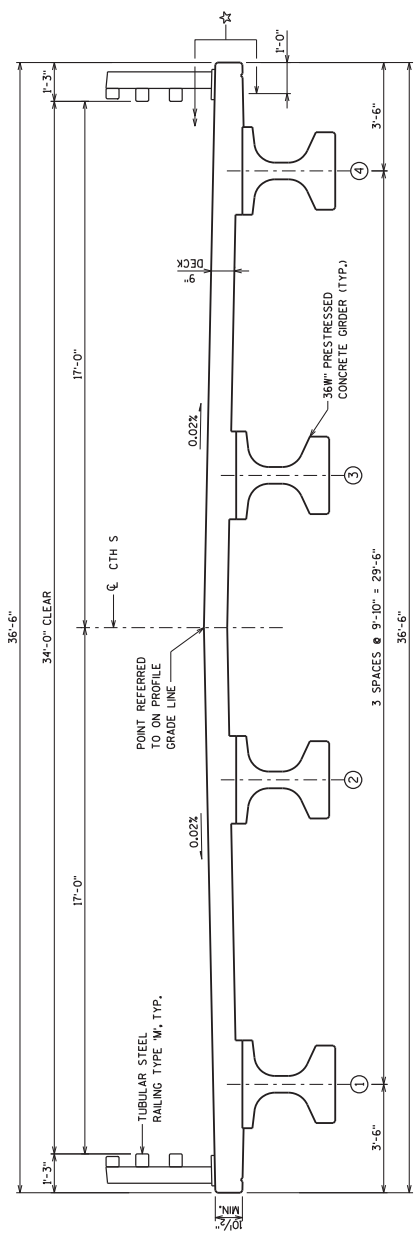
NOTES
 * CONSTRUCT DWY ASPHALTIC SURFACE
 4" DEPTH AS FOLLOWS:
 1" ASPHALTIC SURFACE (95 MM NOMINAL SIZE AGGREGATE)
 2" LOWER LAYER (95 MM NOMINAL SIZE AGGREGATE)

STATE PROJECT NUMBER
4362-02-71

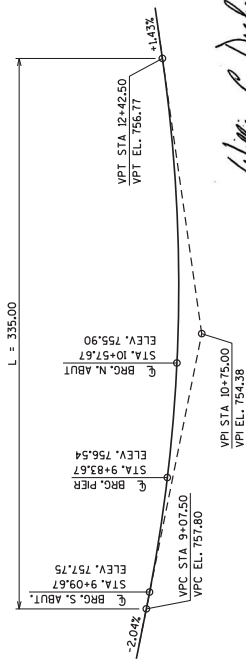
GENERAL NOTES

- DRAWING 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. 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 STRUCTURE BACKFILL.
- ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.
- THE EXISTING GROUND LINE SHALL BE USED AS THE UPPER LIMITS OF EXCAVATION.
- THIS BRIDGE WILL REPLACE THE EXISTING B-36-20 TWO SPAN CONCRETE GIRDER BRIDGE SUPPORTED ON SKIL ABUTMENTS AND A MULTICOLUMN PIER. THE STRUCTURE WAS BUILT IN 1962.
- THE HAUNCH CONCRETE QUANTITY IS BASED ON AN AVERAGE HAUNCH SHOWN ON THE PRESTRESSED GIRDER DETAIL SHEET, WHICH IS THE MAXIMUM HAUNCH QUANTITY FOR WHICH THE CONTRACTOR WILL BE PAID.
- THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH HEAVY RIPRAP AND GEOTEXTILE TYPE HR TO THE EXTENT SHOWN ON SHEET 1 AND IN THE ABUTMENT DETAILS.
- ★ PROTECTIVE SURFACE TREATMENT SHALL BE APPLIED TO THE ENTIRE TOP, SUSSEX FLOOR 1'-0" OF THE UNDERSIDE OF THE DECK, TOP AND EXTERIOR SURFACE OF WINGS, AND THE END 1'-0" OF THE FRONT FACE OF ABUTMENT.
- △ BACKFILL PAY LIMITS, BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.
- ⊕ PIPE UNDERDRAIN WRAPPED 6-INCH SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. AT EACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN, SEE SHEET 7 FOR DETAILS.

Addendum No. 01
ID 4362-02-71
Revised Sheet 67
December 5, 2019



CROSS SECTION THRU ROADWAY
(LOOKING NORTH)



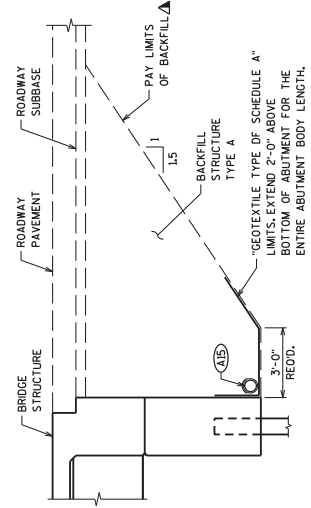
BENCH MARKS (NAVD 88)

NO.	STATION	DESCRIPTION	ELEV.
BM4	8+43.43'L.T.	60D SPKE IN PP*1922-24L0	764.17
BM5	15+07.41'L.T.	60D SPKE IN PP*1922-23R25	757.45
BM6	13+12.45'L.T.	60D SPKE IN PP*1922-23R1	751.56

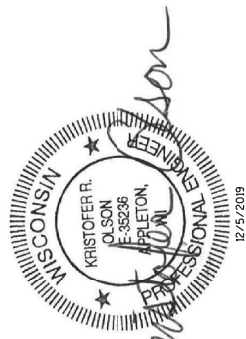
TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEMS	UNIT	SUPER.	SOUTH ABUT.	NORTH ABUT.	PIER	TOTALS
203.0600.3	REMOVING OLD STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS STA 9+84	LS	----	----	----	----	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-36-233	LS	----	----	----	----	1
206.6000	CONCRETE FORMWORK FOR BRIDGES B-36-233	LF	595	----	----	----	595
206.5000	PRESTRESSED CONCRETE TYPE A	LF	595	----	----	----	595
210.1500	BACKFILL STRUCTURE TYPE A	TON	----	180	180	----	370
502.0100	CONCRETE MASONRY BRIDGES	CY	215	44	62	----	363
502.3200	PROTECTIVE SURFACE TREATMENT	SY	600	----	----	----	600
503.0137	PRESTRESSED CONCRETE TYPE A	LF	595	----	----	----	595
505.0400	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	2,300	2,000	2,960	----	44,040
505.0600	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	16	----	----	----	16
506.4000	STEEL DIAPHRAGMS B-36-233	EACH	6	----	----	----	6
513.4061	RAILING TUBULAR TYPE M	LF	342	----	----	----	342
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	----	12	11	----	23
550.0120	PILING STEEL HP 12-INCH X 53 LB	CY	----	525	525	700	1,750
606.0200	RIPPRAP MEDIUM	CY	----	----	5	----	5
606.0300	RIPPRAP HEAVY	CY	----	80	60	----	140
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	----	70	60	----	130
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	----	45	45	----	90
645.0120	GEOTEXTILE TYPE HR	SY	----	115	100	----	215
	NON-BID ITEMS	SIZE	----	----	----	----	1/2" x 3/4"
	FILLER						

PROFILE GRADE LINE



TYPICAL SECTION THRU ABUTMENT



William C. Dehn
12/05/19

NO. DATE REVISION
BY
KRO

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-36-233

BY: BRE
DATE: KRO

CROSS SECTION & QUANTITIES

SHEET 22 OF 13



Proposal Schedule of Items

Page 1 of 5

Proposal ID: 20191210018 Project(s): 4362-02-71

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
0002	201.0205 Grubbing	3.000 STA	_____.	_____.
0004	203.0100 Removing Small Pipe Culverts	2.000 EACH	_____.	_____.
0006	203.0600.S Removing Old Structure Over Waterway With Minimal Debris (station) 01. 9+84	LS	LUMP SUM	_____.
0008	204.0165 Removing Guardrail	200.000 LF	_____.	_____.
0010	205.0100 Excavation Common	1,440.000 CY	_____.	_____.
0012	206.1000 Excavation for Structures Bridges (structure) 01. B-36-233	LS	LUMP SUM	_____.
0016	206.5000 Cofferdams (structure) 01. B-36-233	LS	LUMP SUM	_____.
0018	208.0100 Borrow	747.000 CY	_____.	_____.
0020	210.1500 Backfill Structure Type A	370.000 TON	_____.	_____.
0022	213.0100 Finishing Roadway (project) 01. 4362- 02-71	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	910.000 TON	_____.	_____.
0028	305.0130 Base Aggregate Dense 3-Inch	890.000 TON	_____.	_____.
0030	415.0410 Concrete Pavement Approach Slab	120.000 SY	_____.	_____.
0032	455.0605 Tack Coat	80.000 GAL	_____.	_____.
0034	465.0105 Asphaltic Surface	350.000 TON	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20191210018 Project(s): 4362-02-71

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
0036	502.0100 Concrete Masonry Bridges	363.000 CY	_____.	_____.
0038	502.3200 Protective Surface Treatment	690.000 SY	_____.	_____.
0040	503.0137 Prestressed Girder Type I 36W-Inch	595.000 LF	_____.	_____.
0042	505.0400 Bar Steel Reinforcement HS Structures	7,230.000 LB	_____.	_____.
0044	505.0600 Bar Steel Reinforcement HS Coated Structures	44,040.000 LB	_____.	_____.
0046	506.2605 Bearing Pads Elastomeric Non-Laminated	16.000 EACH	_____.	_____.
0048	506.4000 Steel Diaphragms (structure) 01. B-36-233	6.000 EACH	_____.	_____.
0050	513.4061 Railing Tubular Type M 01. B-5-233	342.000 LF	_____.	_____.
0052	516.0500 Rubberized Membrane Waterproofing	23.000 SY	_____.	_____.
0054	521.1018 Apron Endwalls for Culvert Pipe Steel 18-Inch	4.000 EACH	_____.	_____.
0056	521.3118 Culvert Pipe Corrugated Steel 18-Inch	98.000 LF	_____.	_____.
0058	550.1120 Piling Steel HP 12-Inch X 53 Lb	1,750.000 LF	_____.	_____.
0060	606.0200 Riprap Medium	5.000 CY	_____.	_____.
0062	606.0300 Riprap Heavy	140.000 CY	_____.	_____.
0064	612.0406 Pipe Underdrain Wrapped 6-Inch	130.000 LF	_____.	_____.
0066	614.0800 Crash Cushions Permanent	1.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20191210018 Project(s): 4362-02-71

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
0068	614.2300 MGS Guardrail 3	100.000 LF	_____.	_____.
0070	614.2350 MGS Guardrail Short Radius	25.000 LF	_____.	_____.
0072	614.2500 MGS Thrie Beam Transition	118.200 LF	_____.	_____.
0074	614.2610 MGS Guardrail Terminal EAT	2.000 EACH	_____.	_____.
0076	614.2630 MGS Guardrail Short Radius Terminal	1.000 EACH	_____.	_____.
0078	619.1000 Mobilization	1.000 EACH	_____.	_____.
0080	624.0100 Water	12.000 MGAL	_____.	_____.
0082	625.0100 Topsoil	2,900.000 SY	_____.	_____.
0084	628.1504 Silt Fence	1,090.000 LF	_____.	_____.
0086	628.1520 Silt Fence Maintenance	1,090.000 LF	_____.	_____.
0088	628.1905 Mobilizations Erosion Control	2.000 EACH	_____.	_____.
0090	628.1910 Mobilizations Emergency Erosion Control	4.000 EACH	_____.	_____.
0092	628.2004 Erosion Mat Class I Type B	1,980.000 SY	_____.	_____.
0094	628.2023 Erosion Mat Class II Type B	920.000 SY	_____.	_____.
0096	628.6005 Turbidity Barriers	135.000 SY	_____.	_____.
0098	628.7504 Temporary Ditch Checks	128.000 LF	_____.	_____.
0100	628.7555 Culvert Pipe Checks	6.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20191210018 Project(s): 4362-02-71

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
0102	629.0210 Fertilizer Type B	9.110 CWT	_____.	_____.
0104	630.0130 Seeding Mixture No. 30	52.000 LB	_____.	_____.
0106	630.0160 Seeding Mixture No. 60	10.000 LB	_____.	_____.
0108	630.0500 Seed Water	65.000 MGAL	_____.	_____.
0110	634.0614 Posts Wood 4x6-Inch X 14-FT	5.000 EACH	_____.	_____.
0112	637.2230 Signs Type II Reflective F	19.460 SF	_____.	_____.
0114	638.2602 Removing Signs Type II	5.000 EACH	_____.	_____.
0116	638.3000 Removing Small Sign Supports	5.000 EACH	_____.	_____.
0118	642.5001 Field Office Type B	1.000 EACH	_____.	_____.
0120	643.0420 Traffic Control Barricades Type III	1,632.000 DAY	_____.	_____.
0122	643.0705 Traffic Control Warning Lights Type A	3,265.000 DAY	_____.	_____.
0124	643.0900 Traffic Control Signs	816.000 DAY	_____.	_____.
0126	643.5000 Traffic Control	1.000 EACH	_____.	_____.
0128	645.0111 Geotextile Type DF Schedule A	90.000 SY	_____.	_____.
0130	645.0120 Geotextile Type HR	215.000 SY	_____.	_____.
0132	646.1020 Marking Line Epoxy 4-Inch	1,286.000 LF	_____.	_____.
0134	650.4500 Construction Staking Subgrade	704.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20191210018 Project(s): 4362-02-71

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
0136	650.5000 Construction Staking Base	704.000 LF	_____.	_____.
0138	650.6000 Construction Staking Pipe Culverts	2.000 EACH	_____.	_____.
0140	650.6500 Construction Staking Structure Layout (structure) 01. B-36-233	LS	LUMP SUM	_____.
0142	650.9910 Construction Staking Supplemental Control (project) 01. 3271-00-71	LS	LUMP SUM	_____.
0144	650.9920 Construction Staking Slope Stakes	704.000 LF	_____.	_____.
0146	690.0150 Sawing Asphalt	180.000 LF	_____.	_____.
0148	715.0415 Incentive Strength Concrete Pavement	500.000 DOL	1.00000	500.00
0150	715.0502 Incentive Strength Concrete Structures	2,178.000 DOL	1.00000	2,178.00
0152	502.9000.S Underwater Substructure Inspection (Structure) 01. B-36-233	1.000 EACH	_____.	_____.
Section: 0001			Total:	_____.
			Total Bid:	_____.