

**THE TOWN OF TICONDEROGA**

**VETERAN'S ROAD CULVERT REPLACEMENT  
OVER FIVE MILE CREEK  
PIN 1761.09, D036296**

**AMENDMENT NO. 2**

**May 3, 2022 LETTING DATE**  
(Issued April 27, 2022)

NOTICE TO PROSPECTIVE BIDDERS

This Amendment No. 2 is issued to all bidders and is to be inserted into, and shall become part of, the Contract Documents.

This Amendment serves as an addition to the Bid Proposal, dated March 2022 prepared by Greenman-Pedersen, Inc.

Delete the following items:

Item No.	Unit	Quantity	Contract Proposal Page
<b>None</b>			

Change the ESTIMATE QUANTITIES for the following items:

Item No.	Unit	Existing Quantity	New Quantity
586.0201	EACH	0	48

Project Manual page deletions/additions/replacements are summarized in the following table:

Old Page	New Page	Description of Changes
18	18A	Corrected Item 563.07000001 from 563.07
19-25	19A-25A	Updated Bid Sheets for added Item 586.0201
120	120A	Added Item 563.07000001 to list of special specifications
None	120A-1	Added Special Specification for Item 563.07000001

Plan sheet deletions/additions/replacements are summarized in the following table:

Old Sheet	New Sheet	Drawing #	Description of Changes
20	20A	ST-12	Updated callout on Joint Recess Detail to clarify payment of item
23	23A	ST-15	Updated Steel Bridge Railing Detail to add drilling and grouting of anchor studs
28	28A	EQQ-1	Added Item 586.0201. Corrected Item 563.07000001 from 563.07.

Additional items addressed in this amendment:

ITEM #1:

Contractor Question: There is no longer a Centerline Keyway as the panels were saw cut at the joints. Do you have a grouting detail for this new joint?

**It is assumed that the contractor will chip away the existing grout and refill the existing keyway with new grout once the panels are set in place. Alternatively, if the existing shear keys are missing or damaged beyond repair as determined by the engineer, then the joint will be sealed per the Joint Recess Detail on sheet No. 20 of the contract plans. This work will be included in the unit price bid for Item 563.07000001.**

PLEASE BE GOVERNED ACCORDINGLY WHEN SUBMITTING BIDS

Please email the signed Amendment No. 2 to [skern@gpinet.com](mailto:skern@gpinet.com) at Greenman-Pedersen, Inc. and include a printed copy in your bid package as acknowledgement.

I hereby certify that Amendment No. 2 has been received and that the contents of said Amendment are reflected in the price bid for this contract.

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Date

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

**VETERAN'S ROAD CULVERT REPLACEMENT OVER FIVE MILE CREEK  
TOWN OF TICONDEROGA, ESSEX COUNTY, NEW YORK  
D036296, PIN 1761.09**

BROUGHT FORWARD \_\_\_\_\_

ITEM NUMBER	ESTIMATED QUANTITY	ITEM DESCRIPTION WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT BID PRICE		AMOUNT BID	
			DOLLARS	CENTS	DOLLARS	CENTS
556.0202	6,600	EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES   PER POUND				
556.03	66	STUD SHEAR CONNECTORS FOR BRIDGES   EACH				
563.07000001	2	INSTALLATION OF STORED PREFABRICATED BRIDGE UNITS   EACH				
564.0501	1	STRUCTURAL STEEL, TYPE 1   LUMP SUM				
564.2001001	3,000	HOT-DIP GALVANIZING OF STRUCTURAL STEEL   PER POUND				

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ITEM NUMBER	ESTIMATED QUANTITY	ITEM DESCRIPTION WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT BID PRICE		AMOUNT BID	
			DOLLARS	CENTS	DOLLARS	CENTS
568.50	111	STEEL BRIDGE RAILING (TWO-RAIL)   PER LINEAR FOOT				
568.70	128	TRANSITION BRIDGE RAILING   PER LINEAR FOOT				
584.50010018	1,092	THIN POLYMER (EPOXY) OVERLAYS FOR STRUCTURAL SLABS   PER SQUARE FOOT				
586.0201	48	DRILLING AND GROUTING BOLTS OR REINFORCING BARS   EACH				
586.10	80	FIELD DRILL HOLES IN EXISTING STRUCTURAL STEEL   EACH				

CARRY FORWARD \_\_\_\_\_

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ITEM NUMBER	ESTIMATED QUANTITY	ITEM DESCRIPTION WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT BID PRICE		AMOUNT BID	
			DOLLARS	CENTS	DOLLARS	CENTS
606.10	24	BOX BEAM GUIDE RAILING  PER LINEAR FOOT				
606.100002	60	BOX BEAM GUIDE RAILING (SHOP BENT OR SHOP MITERED)  PER LINEAR FOOT				
606.120101	1	BOX BEAM END PIECE  EACH				
606.120201	3	BOX BEAM GUIDE RAILING END ASSEMBLY TYPE IIA  EACH				
606.73	355	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING  PER LINEAR FOOT				

CARRY FORWARD \_\_\_\_\_

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			DOLLARS	CENTS	DOLLARS	CENTS
610.1402	10	TOPSOIL -ROADSIDE  PER CUBIC YARD				
610.1601	45	TURF ESTABLISHMENT - ROADSIDE  PER SQUARE YARD				
619.01	1	BASIC WORK ZONE TRAFFIC CONTROL  LUMP SUM				
619.1713	700	TEMPORARY POSITIVE BARRIER - CATEGORY 3 (PINNING PROHIBITED)  PER LINEAR FOOT				
620.03	37	STONE FILLING (LIGHT)  PER CUBIC YARD				

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			DOLLARS	CENTS	DOLLARS	CENTS
620.04	70	STONE FILLING (MEDIUM)   PER CUBIC YARD				
625.01	1	SURVEY OPERATIONS   LUMP SUM				
627.50140008	100	CUTTING PAVEMENT   PER LINEAR FOOT				
637.11	3	ENGINEER'S FIELD OFFICE - TYPE 1   PER MONTH				
637.34	1,000	OFFICE TECHNOLOGY AND SUPPLIES <b>ONE DOLLAR AND ZERO CENTS</b>  DOLLARS AND/OR CENTS	<b>1</b>	<b>00</b>	<b>1,000</b>	<b>00</b>

CARRY FORWARD \_\_\_\_\_

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			DOLLARS	CENTS	DOLLARS	CENTS
646.23	12	LARGE SNOWPLOWING DELINEATOR   EACH				
646.32	8	STEEL POST, 2.0 LB/FT   EACH				
663.0408	25	PLASTIC WATER PIPE, 8"   PER LINEAR FOOT				
663.0508	60	BRIDGE MOUNTED WATER PIPE, 8"   PER LINEAR FOOT				
663.1808	2	BOLTED SLEEVE TYPE COUPLING, 8"   EACH				

CARRY FORWARD \_\_\_\_\_



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ITEM NUMBER	ESTIMATED QUANTITY	ITEM DESCRIPTION WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT BID PRICE		AMOUNT BID	
			DOLLARS	CENTS	DOLLARS	CENTS
663.240803	25	INSULATION FOR BURIED WATER PIPE (8" WITH 3 IN THICK INSULATION)  PER LINEAR FOOT				
663.29010407	125	TEMPORARY WATER MAIN - 04 NPS  PER LINEAR FOOT				
663.4104	85	REMOVE AND DISPOSE OF EXISTING WATER MAIN, 4"  PER LINEAR FOOT				
697.03	24,000	FIELD CHANGE PAYMENT <b>ONE DOLLAR AND ZERO CENTS</b>  DOLLARS AND/OR CENTS	<b>1</b>	<b>00</b>	<b>24,000</b>	<b>00</b>
698.04	100	ASPHALT PRICE ADJUSTMENT <b>ONE DOLLAR AND ZERO CENTS</b>  DOLLARS AND/OR CENTS	<b>1</b>	<b>00</b>	<b>100</b>	<b>00</b>

CARRY FORWARD \_\_\_\_\_

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			DOLLARS	CENTS	DOLLARS	CENTS
698.05	100	FUEL PRICE ADJUSTMENT <b>ONE DOLLAR AND ZERO CENTS</b>  DOLLARS AND/OR CENTS	<b>1</b>	<b>00</b>	<b>100</b>	<b>00</b>
699.040001	1	MOBILIZATION <b>CANNOT EXCEED 4% - SEE SPECIFICATIONS</b>  LUMP SUM				
<b>TOTAL OR GROSS SUM WRITTEN IN WORDS:</b>			\$ _____			

**SPECIAL SPECIFICATIONS: (P.I.N. 1761.09)**

The following items are special specifications:

<b><u>Item</u></b>	<b><u>Description</u></b>
563.07000001	INSTALLATION OF STORED PREFABRICATED BRIDGE UNITS
584.50010018	THIN POLYMER (EPOXY) OVERLAYS FOR STRUCTURAL SLABS
627.50140008	CUTTING PAVEMENT
663.29010407	TEMPORARY WATER MAIN – 04 NPS

## **ITEM 563.07000001 - INSTALLATION OF STORED PREFABRICATED BRIDGE UNITS**

### **DESCRIPTION**

The work shall consist of transporting and installing New York State Department of Transportation owned and stored prefabricated bridge units. All prefabricated bridge units are existing units removed from a previous bridge project and are stored at and shall be installed at the locations indicated in the contract documents.

### **MATERIAL REQUIREMENTS**

None

### **CONSTRUCTION DETAILS**

#### A. Drawings

Erection drawings and calculations for loading the units at the storage area and erection of the units at the new site shall be prepared and submitted for review and approval of the Department per the provisions of Section 2.6 ERECTION DRAWINGS of the PCCM.

#### B. Delivery and installation

Load stored prefabricated bridge units and transport to the site. Erect and install prefabricated bridge units at the locations shown on the Contract Plans. Prefabricated bridge units shall be modified under the respective items indicated on the Contract Plans.

### **METHOD OF MEASUREMENT**

This work will be measured for payment as the number of units satisfactorily installed in accordance with the contract documents.

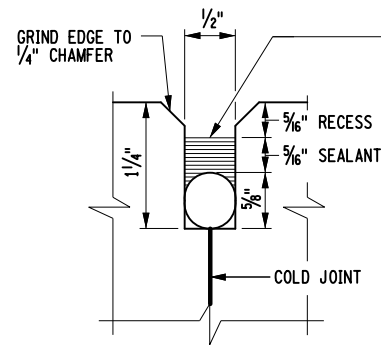
### **BASIS OF PAYMENT**

The unit price bid shall include the cost of all labor, materials, and equipment necessary to complete the work, including transportation to and from the storage site and erection and installation of the modified bridge units at the new site.

No payment will be made for repair work to the bridge units damaged due to the Contractor's operations.

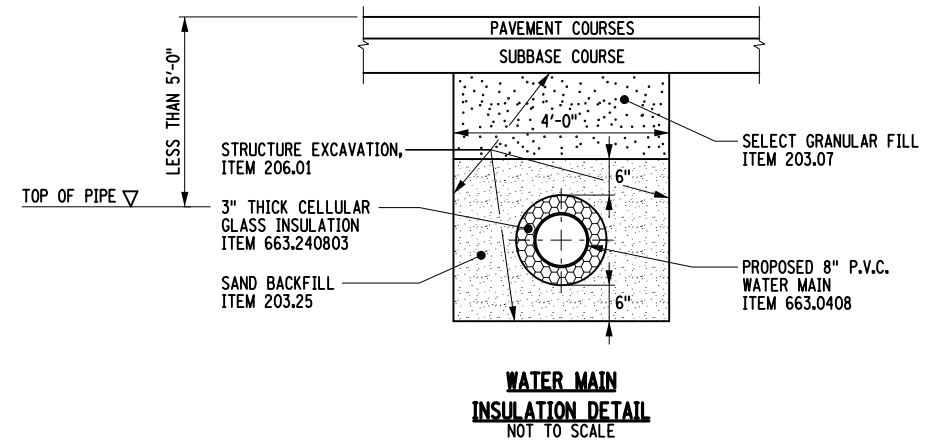
#### ***Payment will be made under:***

Item No.	Item	Pay Unit
563.07000001	Installation of Stored Prefabricated Bridge Units	Each



FILL THE RECESS WITH A STRUCTURAL JOINT MATERIAL, SILICONE SEALANT, FROM THE DEPARTMENT'S APPROVED LIST FOR ITEM 567.51-16. IF THE RECESS IS SAW CUT, WATER BLAST IMMEDIATELY FOLLOWING CUTTING TO REMOVE ANY RESIDUAL SLURRY BEFORE IT DRIES. CLEAN THE VERTICAL FACES OF THE RECESS BY ABRASIVE BLAST, AND AIR BLOW THE RESIDUE FROM THE RECESS. PRIME THE VERTICAL FACES WITH THE MANUFACTURER'S RECOMMENDED PRIMER, AND ALLOW TO DRY. PLACE A 5/8" DIA. SOFT CLOSED CELL BACKER ROD IN THE BOTTOM OF THE RECESS. POUR THE SILICONE SEALANT TO A DEPTH OF APPROX. 5/16". PAYMENT TO BE INCLUDED IN THE UNIT PRICE BID FOR THE APPROACH SLAB. ITEM 555.09

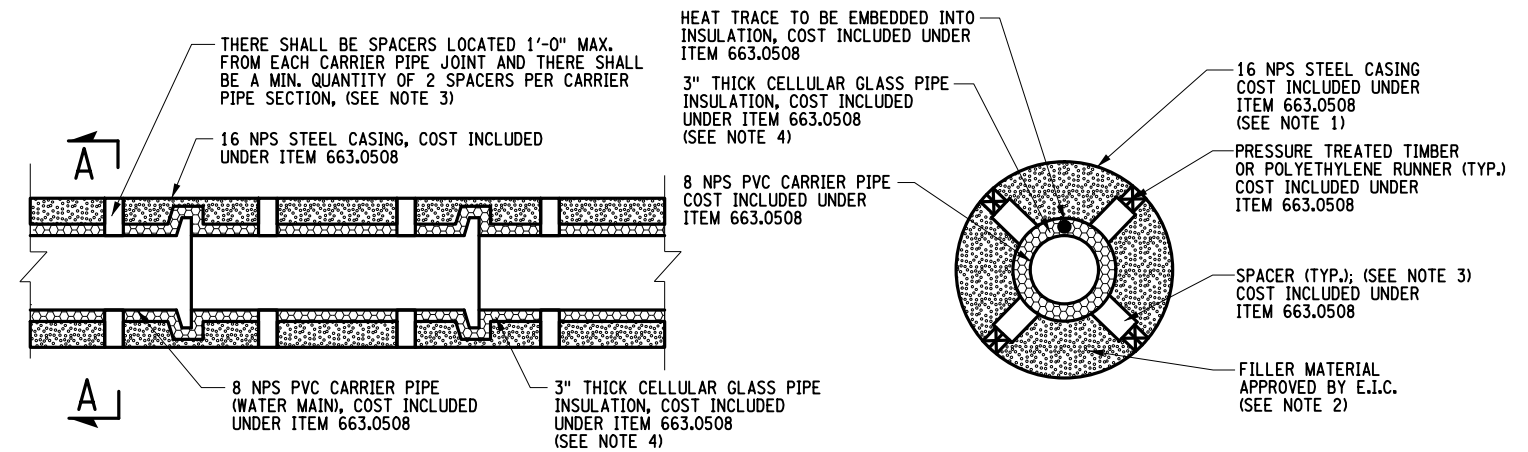
**JOINT RECESS DETAIL**  
NOT TO SCALE



**WATER MAIN INSULATION DETAIL**  
NOT TO SCALE

**WATER MAIN INSULATION NOTES:**

1. THE PROPOSED WATER MAIN SHALL BE INSULATED AT ALL LOCATIONS WHERE COVER IS LESS THAN 5'-0", AS MEASURED FROM THE TOP OF THE PIPE, AND A.O.B.E.
2. INSULATION SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
3. ALL COSTS FOR THE INSULATION OF THE PROPOSED WATER MAIN SHALL BE COVERED UNDER ITEM 663.240803. THIS INCLUDES, BUT IS NOT LIMITED TO, LABOR, EQUIPMENT, INSULATION, COVERING, TAPE, ETC., EXCEPT EXCAVATION AND BACKFILL SHALL BE PAID FOR UNDER THEIR RESPECTIVE ITEMS.



**LONGITUDINAL SECTION**

**SECTION A-A**

**WATER MAIN CASING DETAIL**

**STEEL CASING NOTES:**

1. CASING SHALL BE A SCHEDULE 40 STEEL PIPE; CASING PIPE SECTIONS SHALL BE BUTT WELDED TOGETHER; MIN. INSIDE DIAMETER OF CASING PIPE SHALL BE 6" TO 8" GREATER THAN THE OUTSIDE DIAMETER OF THE CARRIER PIPE'S BELLS.
2. ANNULAR SPACE SHALL BE FILLED WITH GROUT, SAND OR APPROVED MATERIAL A.O.B.E.; COST INCLUDED UNDER ITEM 663.0508.
3. EACH SECTION OF HDPE CARRIER PIPE WITHIN THE CASING SHALL CONTAIN A MINIMUM OF TWO (2) SPACERS; ALL CARRIER PIPE SECTIONS WITHIN THE CASING SHALL HAVE RESTRAINED JOINTS. COST INCLUDED UNDER ITEM 663.0508.
4. PIPE INSULATION SHALL BE TRIMMED AND REMOVED AS NECESSARY TO ACCOMMODATE SPACERS. COST INCLUDED UNDER ITEM 663.0508.

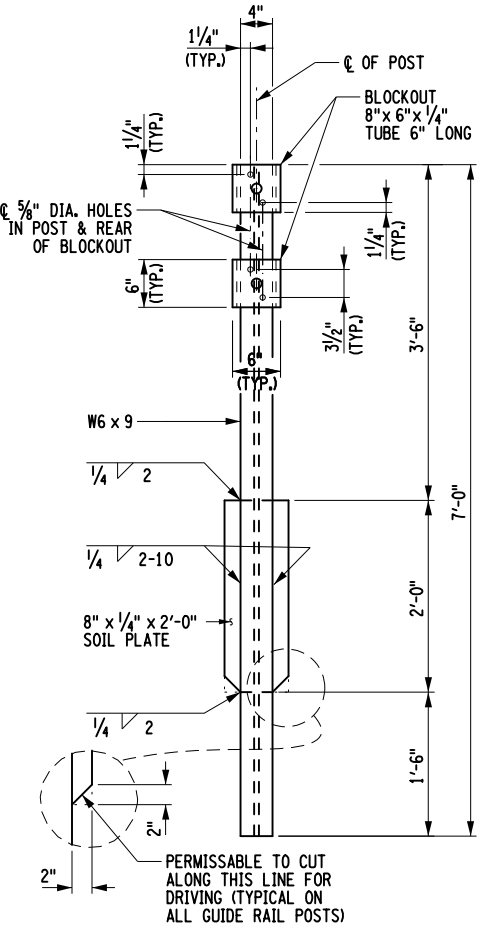
PROJECT MANAGER S. KERN  
 CHECK S. KERN  
 DRAFTING F. CIUCCIO  
 CHECK B. WEAVER  
 DESIGN S. KERN  
 JOB MANAGER D. THOMAS  
 DESIGN SUPERVISOR J. SIMKULET

AFFIX SEAL: GREENMAN - PEDERSEN, INC ON:	ALTERED BY: ON:

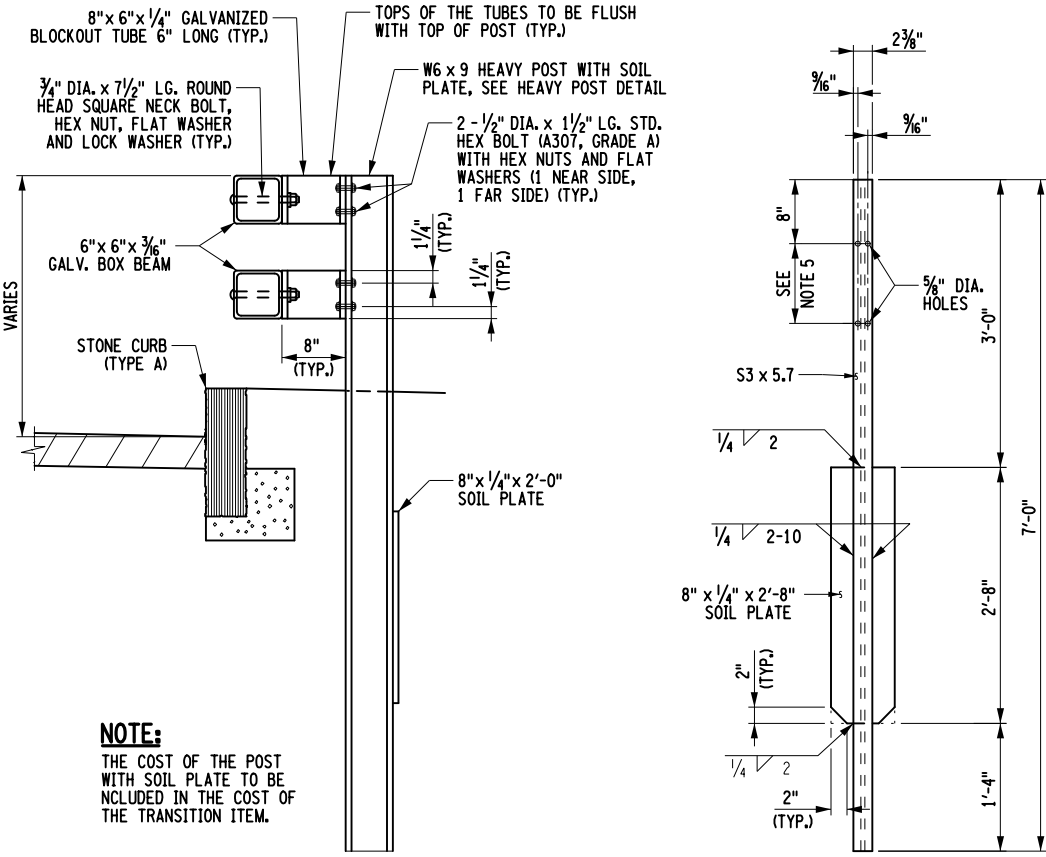
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	VETERAN'S ROAD CULVERT REPLACEMENT	PIN 1761.09	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D036296
	OVER FIVE MILE CREEK				MISCELLANEOUS DETAILS	DRAWING NO. ST-12
	TOWN OF TICONDEROGA					SHEET NO. 20A
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY, IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.						

FILE NAME = \$FILEABBREV\$  
 DATE/TIME = \$DATE\$  
 USER = \$NTUSER\$

PROJECT MANAGER S. KERN  
 CHECK S. KERN  
 DRAFTING F. CIUCCIO  
 CHECK B. WEAVER  
 DESIGN S. KERN  
 JOB MANAGER D. THOMAS  
 DESIGN SUPERVISOR J. SIMKULET  
 FILE NAME = #FILEABBREV#  
 DATE/TIME = #DATE#  
 USER = #USER#

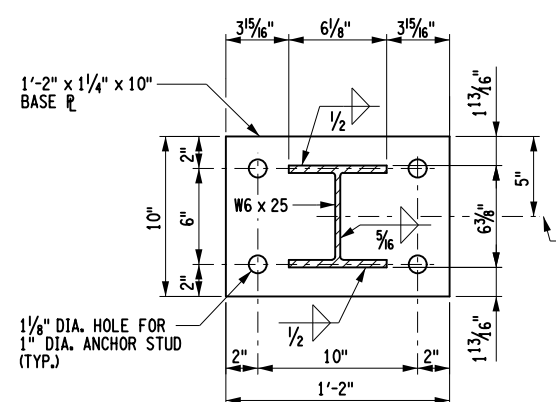


**HEAVY POST DETAIL**  
NOT TO SCALE

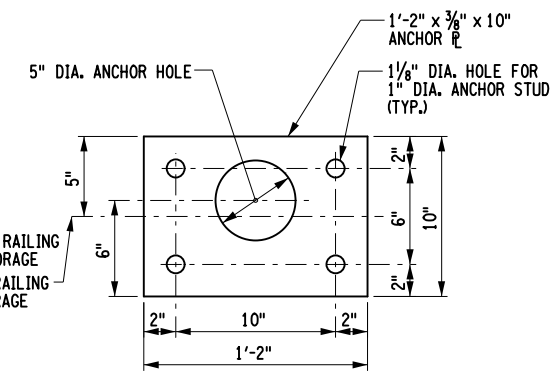


**HEAVY POST ELEVATION**  
NOT TO SCALE

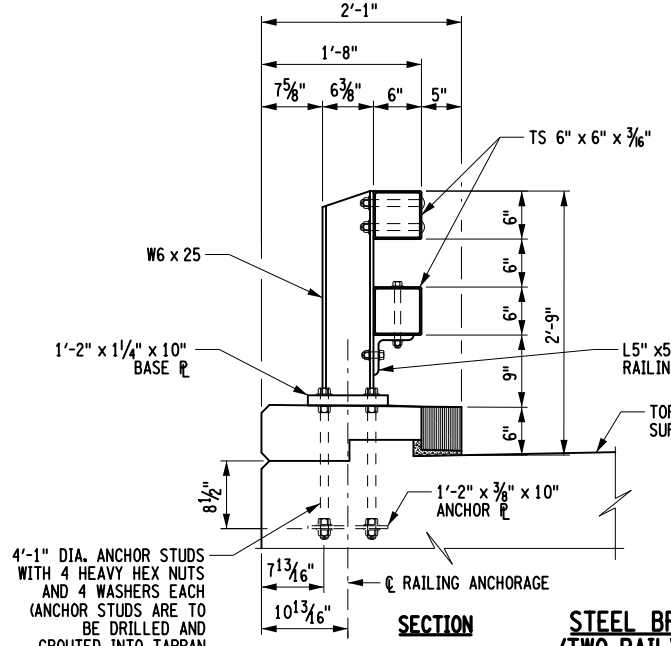
**TRANSITION POST DETAIL**  
NOT TO SCALE



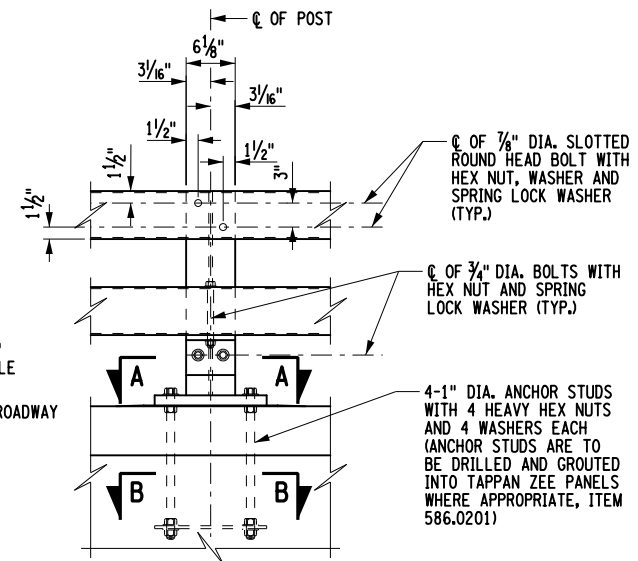
**SECTION A-A**  
NOT TO SCALE



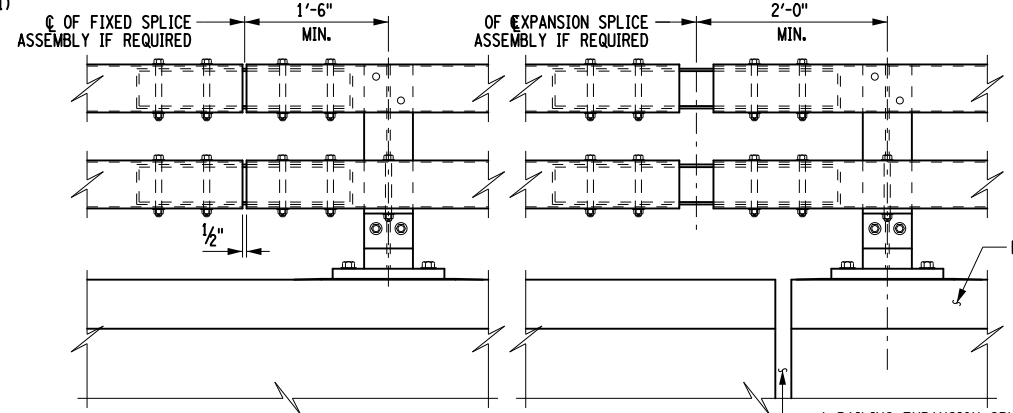
**SECTION B-B**  
NOT TO SCALE



**SECTION**  
**STEEL BRIDGE RAILING**  
**(TWO-RAIL) - BRUSH CURB**  
NOT TO SCALE

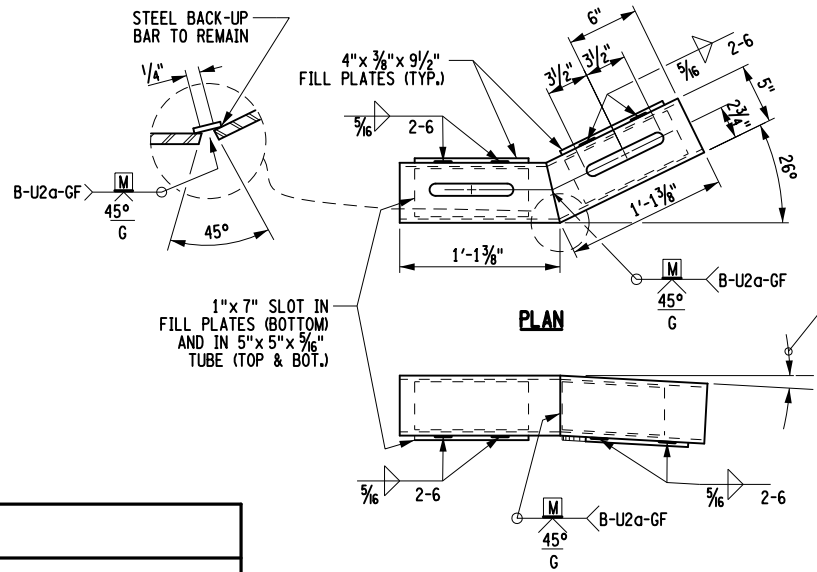


**ELEVATION**



**ELEVATION**  
**STEEL BRIDGE RAILING SPLICE DETAILS**  
**(TWO-RAIL) - BRUSH CURB**  
NOT TO SCALE

- NOTES:**
- ALL RAILING IS TO BE FABRICATED AND ERECTED ACCORDING TO SECTION 568 OF THE STANDARD SPECIFICATIONS.
  - PRIOR TO GALVANIZING THE ASSEMBLED POST, GRIND ALL EDGES TO A MINIMUM RADIUS OF 1/16".
  - BOLTS SHALL BE TORQUED SNUG TIGHT (APPROXIMATELY 100 FT-LB).
  - PROTRUSIONS CAUSED BY WELDING OR GALVANIZING ARE NOT PERMITTED ON THE ADJOINING SURFACES OF THE BOX BEAM RAILS, SPLICE TUBES AND FILL PLATES.
  - HOLES IN THE POST FOR THE LOWER RAIL MAY BE LOCATED AND DRILLED IN THE FIELD. IF SO, THE GALVANIZING SHALL BE REPAIRED IN ACCORDANCE WITH SUBSECTION 719-01.



**ELEVATION**  
**SPLICE TUBE DETAILS FOR TURN BACK**  
NOT TO SCALE

AFFIX SEAL: GREENMAN - PEDERSEN, INC ON:	ALTERED BY: ON:
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	
VETERAN'S ROAD CULVERT REPLACEMENT OVER FIVE MILE CREEK TOWN OF TICONDEROGA COUNTY: ESSEX REGION: 1	
PIN 1761.09 BRIDGES CULVERTS	
ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	
CONTRACT NUMBER D036296	
DRAWING NO. ST-15 SHEET NO. 23A	
RAILING DETAILS (2 OF 3)	
<b>GPI</b> GREENMAN-PEDERSEN, INC. CONSULTING ENGINEERS	
TOWN OF TICONDEROGA	

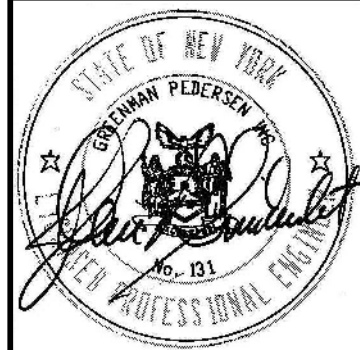
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 DRAFTING F. CIUCCIO  
 CHECK B. WEAVER  
 DESIGN S. KERN  
 JOB MANAGER D. THOMAS  
 DESIGN SUPERVISOR J. SIMKULET

FILE NAME = \$FILEABBREV\$  
 DATE/TIME = \$DATE\$  
 USER = \$NTUSER\$

ESTIMATE OF QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	ESTIMATE	FINAL
202.120001	REMOVING EXISTING SUPERSTRUCTURES	LS	1	
203.07	SELECT GRANULAR FILL	CY	25	
203.25	SAND BACKFILL	CY	9	
206.01	STRUCTURE EXCAVATION	CY	745	
206.0201	TRENCH AND CULVERT EXCAVATION	CY	35	
209.13	SILT FENCE - TEMPORARY	LF	300	
304.12	SUBBASE COURSE, TYPE 2	CY	70	
402.128304	12.5 F3 TOP COURSE HMA, 80 SERIES COMPACTION	TON	29	
402.198904	19 F9 BINDER COURSE HMA, 80 SERIES COMPACTION	TON	5	
402.378904	37.5 F9 BASE COURSE HMA, 80 SERIES COMPACTION	TON	7	
407.0103	STRAIGHT TACK COAT	GAL	16	
490.30	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE	SY	315	
552.11	PERMANENT STEEL SHEETING	SF	1,540	
554.40	FILL TYPE RETAINING WALL (0 - 6FT)	SF	90	
555.09	CONCRETE FOR STRUCTURES, CLASS HP	CY	78	
556.0202	EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES	LB	6,600	
556.03	STUD SHEAR CONNECTORS FOR BRIDGES	EA	66	
563.07000001	INSTALLATION OF STORED PREFABRICATED BRIDGE UNITS	EA	2	
564.0501	STRUCTURAL STEEL, TYPE 1	LS	1	
564.2001001	HOT-DIP GALVANIZING OF STRUCTURAL STEEL	LB	3,000	
568.50	STEEL BRIDGE RAILING (TWO-RAIL)	LF	111	
568.70	TRANSITION BRIDGE RAILING	LF	128	
584.50010018	THIN POLYMER (EPOXY) OVERLAYS FOR STRUCTURAL SLABS	SF	1,092	
586.0201	DRILLING AND GROUTING BOLTS OR REINFORCEMENT BARS	EA	48	
586.10	FIELD DRILL HOLES IN EXISTING STRUCTURAL STEEL	EA	80	
606.10	BOX BEAM GUIDE RAILING	LF	24	
606.100002	BOX BEAM GUIDE RAILING (SHOP BENT OR SHOP MITERED)	LF	60	
606.120101	BOX BEAM END PIECE	EA	1	
606.120201	BOX BEAM GUIDE RAILING END ASSEMBLY TYPE IIA	EA	3	
606.73	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING	LF	355	
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620.04	STONE FILLING (MEDIUM)	CY	70	
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637.11	ENGINEER'S FIELD OFFICE - TYPE 1	MNTH	3	
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663.29010407	TEMPORARY WATER MAIN - 04 NPS	LF	125	
663.4104	REMOVE AND DISPOSE OF EXISTING WATER MAIN, 4"	LF	85	
697.03	FIELD CHANGE PAYMENT	DC	25,000	
698.04	ASPHALT PRICE ADJUSTMENT	DC	100	
698.05	FUEL PRICE ADJUSTMENT	DC	100	
699.040001	MOBILIZATION	LS	1	

AFFIX SEAL: GREENMAN - PEDERSEN, INC  
 ON: \_\_\_\_\_  
 ALTERED BY:  
 ON: \_\_\_\_\_



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	VETERAN'S ROAD CULVERT REPLACEMENT	PIN 1761.09	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	ESTIMATE OF QUANTITIES	CONTRACT NUMBER D036296
	OVER FIVE MILE CREEK						DRAWING NO. EQQ-1 SHEET NO. 28A
	TOWN OF TICONDEROGA						
	COUNTY: ESSEX	REGION: 1					
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.							