

**THE TOWN OF TICONDEROGA**

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

**AMENDMENT NO. 1**

**May 3, 2022 LETTING DATE**  
(Issued April 15, 2022)

NOTICE TO PROSPECTIVE BIDDERS

This Amendment No. 1 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
<b>None</b>			

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

Old Page	New Page	Description of Changes
<b>None</b>		

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

Old Sheet	New Sheet	Drawing #	Description of Changes
5	5A	GNN-1	Delete cofferdam notes.

Additional items addressed in this amendment:

ITEM #1:

Contractor Question: Note 2 of the superstructure notes states that the record plans for the Tappan Zee panels are available. Can I get a copy of the panels getting placed? I completed a bridge similar to this and the weights were not as indicated. I found the panels to be much heavier than what was stated.

**The Tappan Zee panel record plans are attached to this amendment. The panels are the fascia panels and the total weight of each panel, as specified on the record plans, is 108 kips. The actual weight may be heavier than the stated weight.**

ITEM #2:

Contractor Question: Where are the panels located and can they be viewed prior to bid time?

**The panels can be viewed at the Essex County Transfer Site, 8181 U.S. 9, Lewis, NY 12950, (518) 873-6650. Please coordinate with the County to schedule a viewing.**

ITEM #3:

Contractor Question: Note 1 on plan sheet 10 calls for flaggers while preparing the site. Is it the intent to have dedicated flagging operations daily while on site every day? Or is the intent for intermittent flagging as needed?

**The intent is to have flaggers when needed for driving the sheet piles. It is assumed that all the sheeting will be driven at the same time. Short term road closures may be allowed for driving operations.**

ITEM #4:

Contractor Question: For superstructure removals above elevation 309.00, what is the expected finish? Will a cap be required to seal any exposed rebar?

**The substructure (concrete and stone masonry) will be tapered at the top and covered with light stone fill.**

ITEM #5:

Contractor Question: The invitation to bidders calls for the bid bond to be to the Town of Ticonderoga. Do you want this to be the Town or the County?

**The bid bond shall be to the Town of Ticonderoga.**

PLEASE BE GOVERNED ACCORDINGLY WHEN SUBMITTING BIDS

Please email the signed Amendment No. 1 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. 1 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: \_\_\_\_\_  
\_\_\_\_\_

**GENERAL NOTES**

- DESIGN SPECIFICATIONS: NYSOT LRFD BRIDGE DESIGN SPECIFICATIONS WITH ALL PROVISIONS IN EFFECT AS OF MAY 2022 (FOR DESIGN PURPOSES, COMPRESSIVE STRENGTH OF CONCRETE FOR SUBSTRUCTURES AT 28 DAYS:  $f'_c = 3000$  psi.)
- LIVE LOAD: AASHTO HL-93
- CONSTRUCTION AND MATERIALS SPECIFICATIONS: STANDARD SPECIFICATIONS, CONSTRUCTION AND MATERIALS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, OFFICE OF ENGINEERING.
- DETAILS ON THE DRAWINGS LABELED AS "NOT TO SCALE" ARE INTENTIONALLY DRAWN NOT TO SCALE FOR VISUAL CLARITY. ALL OTHER DETAILS FOR WHICH NO SCALE IS SHOWN ARE DRAWN PROPORTIONAL AND ARE FULLY DIMENSIONED.
- ALL SHOP DRAWINGS SUBMITTED FOR THIS PROJECT SHALL BE IN US CUSTOMARY UNITS.
- THIS BRIDGE SHALL BE MAINTAINED IN ACCORDANCE WITH THE GUIDELINES CONTAINED IN THE CURRENT EDITION OF THE AASHTO MAINTENANCE MANUAL FOR ROADWAYS AND BRIDGES.
- UNLESS OTHERWISE INDICATED ON THE PLANS, WORK TO BE PERFORMED UNDER THIS CONTRACT DOES NOT REQUIRE THE DISTURBING, DESTRUCTION OR REMOVAL OF ANY KNOWN MATERIALS CONTAINING ASBESTOS. UNLESS OTHERWISE INDICATED ON THE PLANS, IT IS THE EXPRESS INTENT OF THIS CONTRACT THAT THESE MATERIALS NOT BE DISTURBED IN ANY WAY. SHOULD THE CONTRACTOR BE FORCED TO DISTURB IN ANY WAY ANY SUCH MATERIALS, THE CONTRACTOR SHALL FIRST BE FAMILIAR WITH INDUSTRIAL CODE RULE 56 OF THE N.Y.S. DEPARTMENT OF LABOR. THE CONTRACTOR SHALL ALSO OBTAIN WRITTEN PERMISSION OF THE E.I.C. BEFORE PROCEEDING.
- THE LOAD RATINGS ARE IN ACCORDANCE WITH THE AASHTO MANUAL FOR BRIDGE EVALUATION. NEW SUPERSTRUCTURES SHALL MEET OR EXCEED 1.20 LRFD INVENTORY LOAD RATING FOR MOMENT, SHEAR, AND DEFLECTION PER NYSOT BRIDGE MANUAL, AND SHALL MEET OR EXCEED 1.00 ASD/LFD INVENTORY LOAD RATING FOR MOMENT, SHEAR, AND DEFLECTION.
- ALL DRAWINGS AND CALCULATIONS SUBMITTED BY THE CONTRACTOR FOR ENGINEER REVIEW SHALL BE IN PDF FORMAT AND SHALL BE EITHER 8.5" X 11" OR 11" X 17" WITH TEXT SIZE SHALL BE NO SMALLER THAN 1/16". SUBMISSIONS ILLEGIBLE WHEN PRINTED ON PAPER WILL BE REJECTED. FULL SIZE AND PAPER SUBMISSIONS SHALL NOT BE ACCEPTED OR REVIEWED. ALL DRAWINGS AND CALCULATIONS SHALL NOTE THE DESIGNER AND CHECKER. THE DESIGNER SHALL NOT CHECK THEIR OWN WORK. 11" X 17" DRAWINGS SHALL HAVE A BLANK SPACE THAT IS EITHER 2.5" X 5.5" OR 3.5" X 3.5" FOR PLACEMENT OF THE REVIEWER'S STAMP. 8.5" X 11" DRAWINGS SHALL HAVE AN APPROVAL COVER SHEET IF SPACE FOR THE STAMP DOES NOT FIT ON THE ACTUAL DRAWING.
- DIMENSIONS FOR THICKNESSES OF STEEL ROLLED ANGLE SHAPES AND STRUCTURAL TUBING ARE SHOWN ACCORDING TO THE AISC MANUAL.

**COFFERDAM AND HYDRAULIC NOTES**

- ~~SHOULD THE CONTRACTOR ELECT TO LAY BACK A PORTION OF THE EXISTING EARTH ADJACENT TO AN EXCAVATION REQUIRING A COFFERDAM, ANY REQUIRED EXTENSIONS OF THE COFFERDAM NECESSARY TO KEEP WATER FROM ENTERING THE EXCAVATION SHALL BE FURNISHED AND PLACED AT NO COST TO THE TOWN AND COUNTY.~~
- ~~WHERE A COFFERDAM IS USED, THE COST OF DEWATERING THE ENTIRE EXCAVATION, REGARDLESS OF THE SOURCE OF WATER, SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE COFFERDAM ITEM.~~
- ~~THE COFFERDAM(S) ARE TO BE CONTRACTOR DESIGNED. A COFFERDAM PLAN SHALL BE SUBMITTED TO THE ENGINEER FIFTEEN (15) DAYS PRIOR TO INSTALLATION.~~
- ~~DEWATERING OF THE COFFERDAM SHALL BE ACCOMPLISHED BY PUMPING THE WATER TO AN APPROVED UPLAND VEGETATED AREA OUTSIDE OF THE STREAMBED AS SHOWN ON THE PLANS AND/OR APPROVED BY THE E.I.C. TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL, SUCH AS STRAW BALES OR APPROVED EQUAL, MAY BE REQUIRED AS DETERMINED BY THE E.I.C. NO SETTLEMENT BASIN SHALL BE CONSTRUCTED.~~
- ORDINARY HIGH WATER IS ESTIMATED TO BE 304.40 FEET. THIS IS DEFINED AS THE WATER SURFACE ELEVATION FOR THE MEAN ANNUAL FLOOD, WHICH IS THE FLOOD THAT HAS A RECURRENCE INTERVAL OF 2.33 YEARS.

**SUPERSTRUCTURE NOTES**

- PER THE REQUIREMENTS OF §107-05, AN ERECTION PLAN FOR THE INSTALLATION OF THE TAPPAN ZEE PANELS, SIGNED BY A LICENSED AND REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF NEW YORK, SHALL BE SUBMITTED TO THE ENGINEER THIRTY (30) DAYS PRIOR TO INSTALLATION.
- RECORD PLANS FOR THE TAPPAN ZEE PANELS ARE AVAILABLE.
- THE TAPPAN ZEE PANELS ARE OWNED BY THE COUNTY. THE CONTRACTOR WILL BE RESPONSIBLE FOR TRANSPORTING AND INSTALLING THE PANELS ON SITE.

**REMOVAL NOTES**

- EXISTING STRUCTURE ABOVE EL. 311.50 SHALL BE REMOVED UNDER ITEM 202.120001.
- ACCORDING TO THE REQUIREMENTS OF §202-3.01 GENERAL AND SAFETY REQUIREMENTS, A REMOVAL PLAN, SIGNED BY A LICENSED AND REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF NEW YORK SHALL BE SUBMITTED TO THE ENGINEER THIRTY (30) DAYS PRIOR TO BEGINNING THE DEMOLITION.
- RECORD PLANS FOR THIS STRUCTURE ARE NOT AVAILABLE.

**RECONSTRUCTION NOTES**

- DUE TO THE NATURE OF RECONSTRUCTION PROJECTS, THE EXACT EXTENT OF RECONSTRUCTION WORK CANNOT BE ACCURATELY DETERMINED PRIOR TO THE COMMENCEMENT OF WORK. THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON FIELD INSPECTION AND OTHER INFORMATION AVAILABLE AT THIS TIME. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH FIELD CONDITIONS.
- THE CONTRACTOR SHALL PERFORM ALL WORK WITH CARE SO THAT ANY MATERIALS WHICH ARE TO REMAIN IN PLACE, OR WHICH ARE TO REMAIN THE PROPERTY OF THE TOWN AND COUNTY, WILL NOT BE DAMAGED. IF THE CONTRACTOR DAMAGES ANY MATERIALS WHICH ARE TO REMAIN IN PLACE OR WHICH ARE TO REMAIN THE PROPERTY OF THE TOWN AND COUNTY THE DAMAGED MATERIALS SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
- WHENEVER ITEMS IN THE CONTRACT REQUIRE MATERIALS TO BE REMOVED AND DISPOSED OF, THE COST OF SUPPLYING A DISPOSAL AREA AND TRANSPORTATION TO THAT AREA SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THOSE ITEMS.
- DURING REMOVAL OPERATIONS, THE CONTRACTOR SHALL NOT DROP WASTE CONCRETE, DEBRIS, AND OTHER MATERIAL TO THE AREA BELOW THE BRIDGE EXCEPT WHERE THE PLANS SPECIFICALLY PERMIT THE DROPPING OF MATERIAL. PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE USED TO CATCH THE MATERIAL. IF ADEQUATE PROTECTIVE DEVICES ARE NOT BEING EMPLOYED, THE WORK WILL BE STOPPED UNTIL ADEQUATE PROTECTION IS PROVIDED.
- ALL MATERIAL FALLING ON THE AREA BELOW AND ADJACENT TO THE BRIDGE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AT NO COST TO THE TOWN AND COUNTY.
- THE COST OF FURNISHING, INSTALLING, MAINTAINING, REMOVING AND DISPOSING OF ALL PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE INCLUDED IN THE PRICES BID FOR THE APPROPRIATE ITEMS OF THE CONTRACT.
- CONTRACTOR SHALL MOUNT NEW BRIDGE IDENTIFICATION NUMBER 2271420 PLATE THAT MEETS THE FOLLOWING MATERIAL REQUIREMENTS:

PANEL WITH REFLECTIVE BACKGROUND: THE ALUMINUM PANEL SHALL CONFORM TO THE REQUIREMENTS OF THE NYSOT STANDARD SPECIFICATIONS. THE BACKGROUND MATERIAL SHALL BE GREEN REFLECTIVE SHEETING CONFORMING TO THE REQUIREMENTS OF THE NYSOT STANDARD SPECIFICATIONS FOR CLASS A SHEETING. THE SIZE OF THE PANELS SHALL BE 1/8 INCH THICK BY 3 INCHES BY 12 INCHES. A THIN RUBBER OR PLASTIC GASKET OR SHEETING MATCHING THE PLATE SIZE SHALL BE PLACED BEHIND THE PLATE PRIOR TO INSTALLATION.

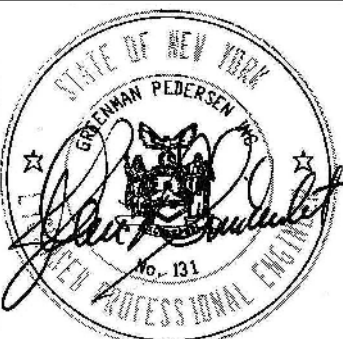
NUMBERS: THE NUMBERS SHALL BE REFLECTIVE SHEETING CONFORMING TO THE REQUIREMENTS OF THE NYSOT STANDARD SPECIFICATIONS FOR CLASS A SHEETING, EXCEPT THAT THE ADHESIVE SHALL BE PRESSURE-SENSITIVE SUCH THAT THE NUMBERS CAN BE APPLIED TO THE BACKGROUND IN THE FIELD. THE NUMBERS SHALL BE 2 INCHES HIGH AND SILVER-WHITE IN COLOR CONFORMING TO FHWA SERIES C DIMENSIONS.



PRIOR TO PLACING THE NUMBERS ON THE PANEL, THE REFLECTIVE BACKGROUND SHALL BE CLEAN AND FREE OF DIRT AND OIL WHICH MAY ADVERSELY AFFECT PROPER ADHESION. THE NUMBERS SHALL BE PLACED ON THE REFLECTIVE BACKGROUND, PERPENDICULAR TO THE LONGITUDINAL AXIS OF THE PANEL AND VERTICALLY CENTERED. THE REFLECTIVE BACKGROUND AND NUMBERS SHALL BE COATED AND/OR EDGE SEALED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE SHEETING MANUFACTURER.

THE BIN PLATE SHALL BE ATTACHED TO THE BEGINNING ABUTMENT, RIGHT SIDE OF THE BRIDGE USING EXPANSION ANCHORS. THE PLATE SHALL BE PLACED HIGH ON THE ABUTMENT, NEAR THE FASCIA OF THE BRIDGE SO THAT IT CANNOT BE PAINTED OVER VIA A SPRAY PAINT CAN OR EASILY REMOVED OR DAMAGED.

**STREAM PROTECTION NOTE**

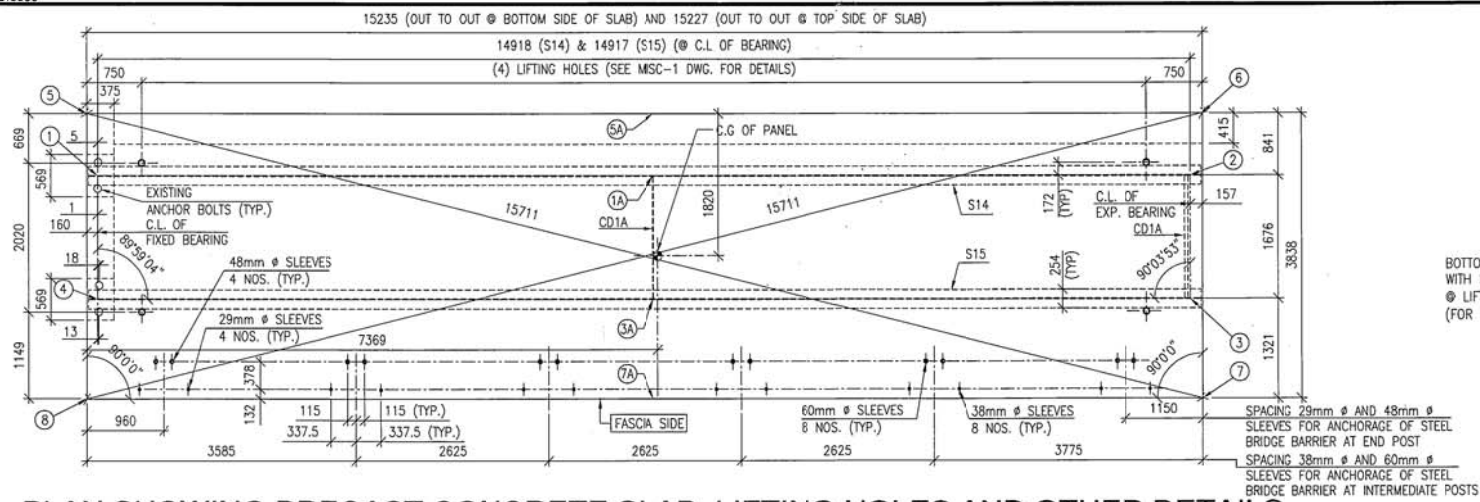
- DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR SHALL CONDUCT OPERATIONS IN SUCH A MANNER AS TO PREVENT OR REDUCE TO A MINIMUM ANY DAMAGE TO ANY STREAM FROM POLLUTION BY DEBRIS, SEDIMENT, OR OTHER FOREIGN MATERIAL, OR FROM MANIPULATION OF EQUIPMENT AND/OR MATERIALS IN OR NEAR SUCH STREAMS. THE CONTRACTOR SHALL NOT RETURN DIRECTLY TO A STREAM ANY WATER WHICH HAS BEEN USED FOR WASH PURPOSES OR OTHER SIMILAR OPERATIONS WHICH CAUSE THIS WATER TO BECOME POLLUTED WITH SAND, SILT, CEMENT, OIL, OR OTHER IMPURITIES. IF THE CONTRACTOR USES WATER FROM A STREAM, THE CONTRACTOR SHALL CONSTRUCT AN INTAKE OR TEMPORARY DAM REQUIRED TO PROTECT AND MAINTAIN WATER RIGHTS AND TO SUSTAIN FISH LIFE DOWNSTREAM.

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

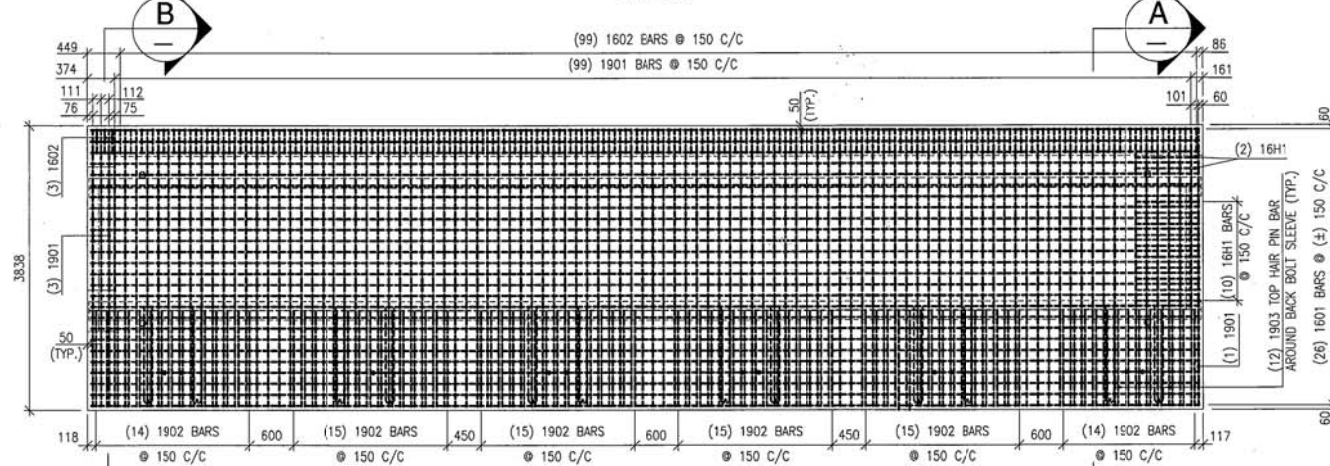
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	VETERAN'S ROAD CULVERT REPLACEMENT	PIN 1761.09	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER D036296
	OVER FIVE MILE CREEK					DRAWING NO. GNN-1
	TOWN OF TICONDEROGA					SHEET NO. 5A
COUNTY: ESSEX	REGION: 1	GENERAL NOTES (1 OF 2)		 		

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.

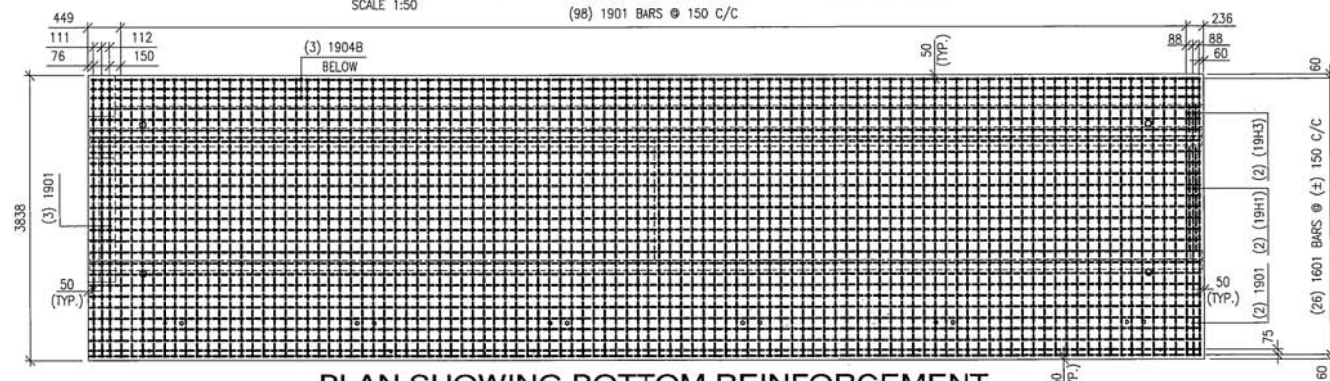
THIS SHEET SUPERSEDES SHEET 5



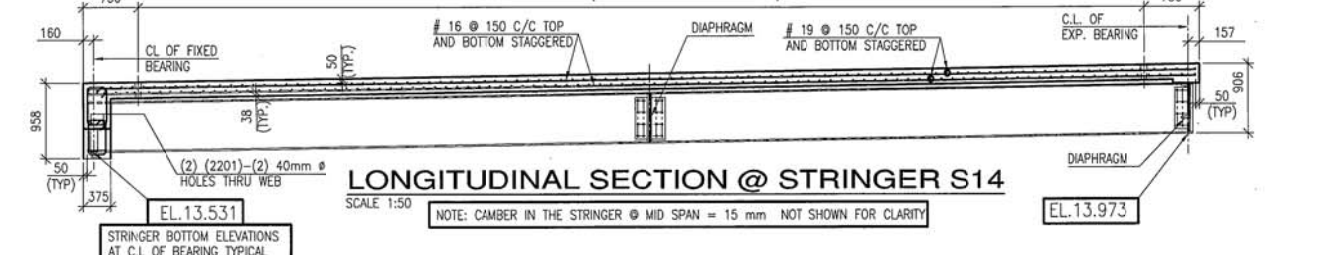
PLAN SHOWING PRECAST CONCRETE SLAB, LIFTING HOLES AND OTHER DETAILS SCALE 1:50



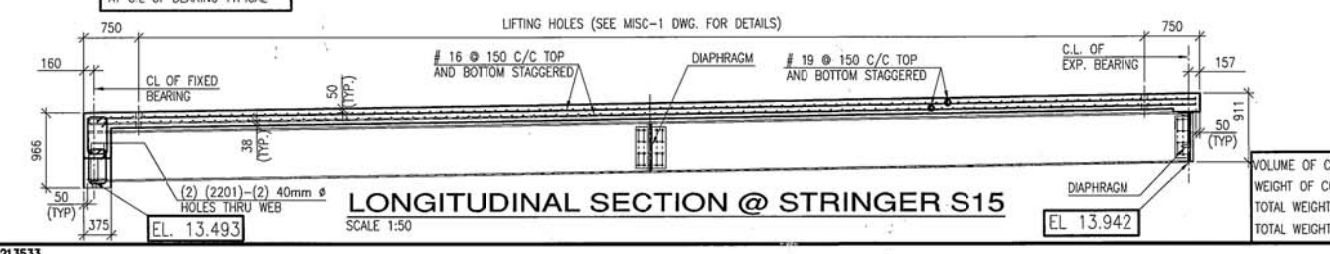
PLAN SHOWING TOP REINFORCEMENT SCALE 1:50



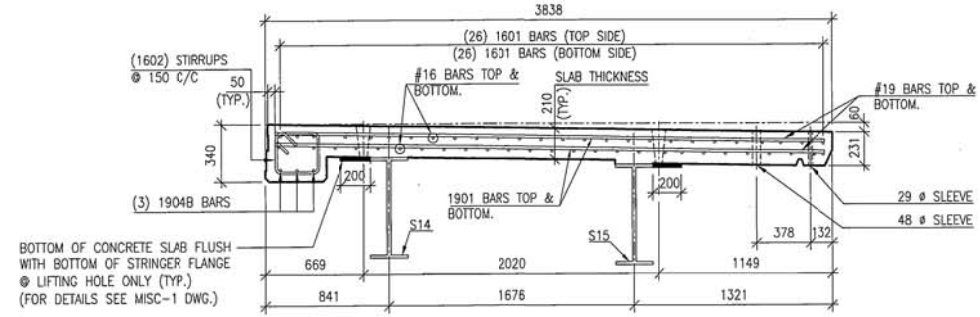
PLAN SHOWING BOTTOM REINFORCEMENT SCALE 1:50



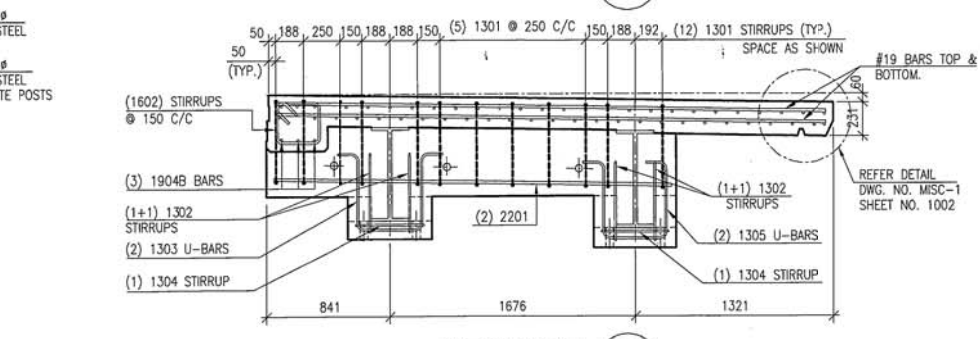
LONGITUDINAL SECTION @ STRINGER S14 SCALE 1:50



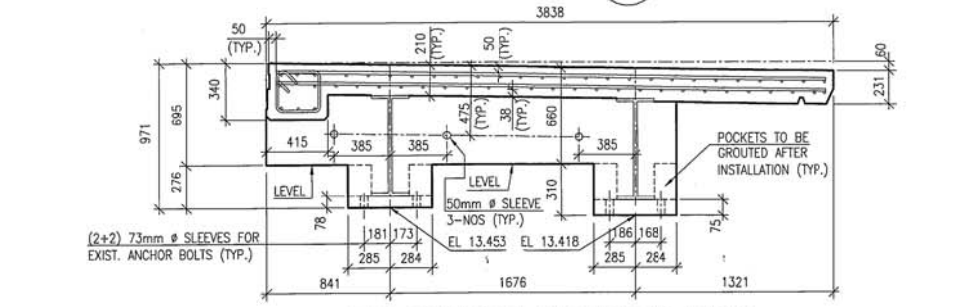
LONGITUDINAL SECTION @ STRINGER S15 SCALE 1:50



SECTION A SCALE 1:25

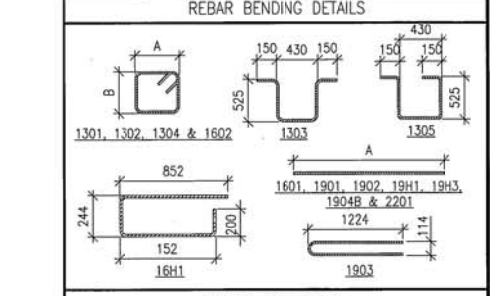
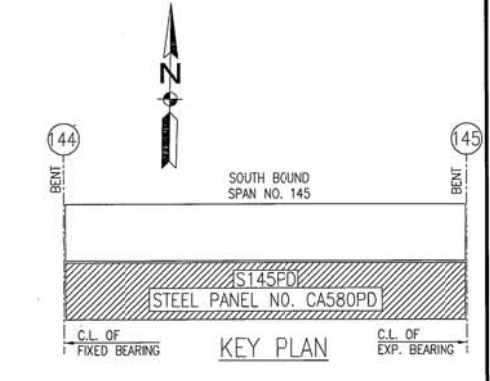


SECTION B SCALE 1:25



ELEVATION AT FIXED END SHOWING DIMENSIONS ONLY SCALE 1:25

FED. ROAD REG. NO.	STATE	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
1	N.Y.	D213533		
TAPPAN ZEE BRIDGE REPAIR				
P.I.N.		B.L.N. 5516340		



MARK	#	SIZE OF BAR	TYPE	QTY	LENGTH OF BAR	A	B
1301	#13	STIRRUPS	12	1990	275	560	
1302	#13	STIRRUPS	04	1850	240	525	
1303	#13	U-BARS	02	1780	---	---	
1304	#13	STIRRUPS	02	1808	469	275	
1305	#13	U-BARS	02	1780	---	---	
1601	#16	STRAIGHT	52	15135	15135	---	
16H1	#16	BENT BAR	12	1448	---	---	
1602	#16	STIRRUPS	102	1510	315	240	
1901	#19	STRAIGHT	206	3738	3738	---	
1902	#19	STRAIGHT	88	1295	1295	---	
19H1	#19	STRAIGHT	02	1222	1222	---	
19H3	#19	STRAIGHT	02	514	514	---	
1903	#19	HAIR PIN	12	2562	1224	---	
1904B	#19	STRAIGHT	03	15135	15135	---	
2201	#22	STRAIGHT	02	2700	2700	---	

S.NO.	DESCRIPTION	QTY.	REQ.
1	STRINGER S14 (WEIGHT 4700 LBS)	01	
2	STRINGER S15 (WEIGHT 5090 LBS)	01	
3	DIAPHRAGM (WEIGHT 312 LBS)	2	
4	# 13 REBARS WEIGHT (92 LBS)	---	
5	# 16 REBARS WEIGHT (3280 LBS)	---	
6	# 19 REBARS WEIGHT (4750 LBS)	---	
7	# 22 REBARS WEIGHT (37 LBS)	---	

GIRDER AT. CL. BEARING LEFT AT. MID SPAN AT. CL. BEARING RIGHT	S14	S15
-14	-1	12
-7	3	13

MARK	NORTHING	EASTING	ELE. @ TOP DECK SLAB
1	248496.298	200772.711	14.411
1A	-	-	14.645
2	248496.404	200787.629	14.879
3	248494.734	200787.639	14.853
3A	-	-	14.619
4	248494.613	200772.722	14.384
5	248497.138	200772.543	14.419
5A	-	-	14.658
6	248497.246	200787.778	14.898
7	248493.414	200787.809	14.838
7A	-	-	14.598
8	248493.291	200772.574	14.359

- NOTES:
- FOR GENERAL NOTES SEE DWG. NOS. G-1 (SHEET NO. 1000) AND G-2 (SHEET NO. 1001).
  - FOR LAYOUT SEE DWG. NO. LP-73 (SHEET NO. 2073)
  - ALL DIMENSIONS ARE IN MM.
  - ALL ELEVATIONS ARE IN METERS.
  - FOR MISCELLANEOUS DETAILS SEE DWG. NO. MISC-1 (SHEET NO. 1002)
  - DIMENSIONS OF CONCRETE DECK PANEL WERE SET TO BE CONSISTENT WITH STEEL DRAWINGS. (REV. NO. 2)
  - DECK ELEVATIONS WERE SET TO COMPLY WITH RFL NO. 13.1
  - LOCATION OF ANCHOR BOLTS AS PER FIELD SURVEY DATA PROVIDED BY GENERAL CONTRACTOR.
  - DIMENSIONS GIVEN FOR OUT TO OUT ARE SLOPED.

VOLUME OF CONCRETE : 14.21 CU.M (18.6 CU.Y)  
 WEIGHT OF COMPOSITE STEEL : (10935 LBS)  
 TOTAL WEIGHT OF REBARS : (8159 LBS)  
 TOTAL WEIGHT OF DECK SLAB: 44.36 (T) (88740 LBS)

PERINI CORPORATION  
 SUBMITTAL NO: JPC-062-18R2  
 DATE: 05-22-13

APPROVER: \_\_\_\_\_ DATE: 9/30/13 REVIEWER: MNC

WEIDLINGER ASSOCIATES CONSULTING ENGINEERS SHOP DRAWING REVIEW

Approved Approved for Fabrication Without Weights Approved-as-Noted Disapproved

Submit Tracing for Approval Stamp Correct Sops and Resubmit Make Indicated Changes to Tracing and Submit for Approval Stamp

Approval is limited to materials and type of details. No steel shall be shipped from the shop until the inspector is furnished a print made from the approved tracing.

"AS BUILT DRAWING"

NO.	REVISION	DATE
2	REVISED AS PER REVIEWER COMMENTS DATED 12-08-09	05-23-13
1	REVISED AS PER REVIEWER COMMENTS DATED 03-17-08	11-05-08

Project: TAPPAN ZEE BRIDGE REPAIR PROJECT (TANY 06-31B)

Contractor: PERINI CORPORATION

Engineer: NYS THRUWAY AUTHORITY

Scale: AS SHOWN Drawn by: ASIM Job No: 06-005 Dwg. No: S145PD Sheet No: 1914

Date: 02-29-08 Checked by: SARFRAZ