

NEW YORK STATE THRUWAY AUTHORITY  
DEPARTMENT OF ENGINEERING

ALBANY, NY  
SEPTEMBER 28, 2016

AMENDMENT NO. 1  
TO

CONTRACT TAN 16-32B  
D 214503  
REHABILITATION OF THE NORTHBOUND AND SOUTHBOUND  
NORTH GRAND ISLAND BRIDGE & ROBERT MOSES OFF-RAMP  
AT MP N20.35, N 21.12 & N21.11  
IN THE BUFFALO DIVISION  
OF THE NEW YORK STATE THRUWAY  
IN ERIE AND NIAGARA COUNTIES

IN THE LETTING OF  
OCTOBER 5, 2016

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**NOTE:** This amendment shall be attached to and become a part of the Proposal for Contract TAN 16-32B.

**NOTICE**

Bidders are advised that additional information can be found on the New York State Thruway Website under the Questions and Answers section of the Contracts document page.

**PROPOSAL**

1. On page 114, ITEM 584.40000009; B. Equipment, Application and Finishing; **CHANGE** the note to read: "The polyester concrete shall only be placed by self-propelled slip-form machine. A vibratory screed on preset forms or rails will not be allowed for this project.

**PLANS**

2. **DELETE** Drawing GN-2, Sheet 6, and **SUBSTITUTE** the attached Drawing GN-2, Sheet 6-A1. Note 2 under Work Restrictions has been revised and Notes 1 and 2 have been added under High Priority Items.
3. On Drawing JD-15, Sheet 59, **REVISE** the paragraph under "Modular Joint Installation Sequence" Note 10 to read "The temporary ramps shall be in place at all times when the bridge is open to traffic. Remove the ramps during the nightly work shift that the rapid setting concrete header is placed."
4. **DELETE** Drawing STR-1, Sheet 63, and **SUBSTITUTE** the attached Drawing STR-1, Sheet 63-A1. Stainless Steel brackets will be omitted and replaced with Galvanized Steel Brackets. Notes 1, 3 and 4 have also been revised.

5. On Drawing STR-6, Sheet 68, the “Drop Weight Tear Tests of Ferretic Steels” requirement as required in NYSDOT Specification Section 710-23 for Items 568.75010001 and 568.75020001 will be waived for this project.

The Bidder **MUST** complete Page **291** of the Proposal acknowledging receipt of this amendment. If the Bidder fails to complete the “Amendment Acknowledgement” sheet, his bid could be declared informal thereby delaying award of the contract.

**PLEASE BE GOVERNED ACCORDINGLY WHEN SUBMITTING BIDS.**

**Catherine T. Sheridan, P.E.**  
**Chief Engineer**

**SIGN NOTE**

- THE CONTRACTOR SHALL INSTALL THE FOLLOWING SIGNS SUPPLIED BY NYSTA ON THE OVERHEAD GANTRY.
  - INSTALL NEW "OBEY LANE SIGNALS" SIGN PANELS BACK TO BACK ON LANE SIGNAL GANTRIES ON BOTH DIRECTIONS OF THE "NORTH" GRAND ISLAND BRIDGES (12 GANTRIES TOTAL). SIGNS SHALL BE CENTERED OVER DOUBLE YELLOW DASHED LANE LINES IN BOTH DIRECTIONS. SEE DWG SIGN-1 FOR DETAILS.
  - INSTALL NEW "OBEY LANE SIGNALS" SIGN PANELS ON THE RIGHT SIDE UPRIGHTS OF THE LANE SIGNAL GANTRIES OF THE "NORTH" GRAND ISLAND BRIDGES (6 NB LDS GANTRIES). SEE DWG SIGN-1 FOR DETAILS.
  - INSTALL NEW "STAY IN LANE" SIGN PANELS ON THE LEFT SIDE UPRIGHTS (FACING REVERSE DIRECTION OF TRAFFIC FLOW) OF THE LANE SIGNAL GANTRIES OF THE "NORTH" GRAND ISLAND BRIDGES (6 NB LDS GANTRIES & 4 SB LDS GANTRIES). SEE DWG SIGN-1 FOR DETAILS.

**STEEL FABRICATION NOTES**

- SHOP DRAWINGS SHALL BE PREPARED AND SUBMITTED IN ACCORDANCE WITH THE NEW YORK STATE STEEL CONSTRUCTION MANUAL.
- ALL STEEL FABRICATION IS COVERED BY AND SHALL MEET THE REQUIREMENTS OF THE NEW YORK STATE STEEL CONSTRUCTION MANUAL EXCEPT AS DIRECTED WITHIN THESE PLANS OR AS DIRECTED BY THE ENGINEER.
- WELDING: ALL WELDING SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 7 & SECTION 8 OF THE NEW YORK STATE STEEL CONSTRUCTION MANUAL, THIRD EDITION, MARCH 2008 WITH CURRENT ADDENDA (SEPTEMBER 2010 & OCTOBER 2013). ALL FIELD WELDS SHALL BE MAGNETIC PARTICLE TESTED IN ACCORDANCE WITH SECTION 18 OF THE NEW YORK STATE STEEL CONSTRUCTION MANUAL. NO TACK WELDS OR TEMPORARY WELDS SHALL BE USED TO ATTACH PARTS DURING ASSEMBLY OR FOR SHIPMENT. ALL FIELD WELDING SHALL BE PERFORMED IN ACCORDANCE WITH WELDING PROCEDURES APPROVED BY THE NYSTA. PREHEAT & INTERPASS TEMPERATURE FOR EXISTING AT STEEL TO BE 400°. THERE SHALL BE NO WELDING OF "SILICON STEEL". MAGNETIC PARTICLE TESTING WILL BE PERFORMED ON ALL FIELD WELDS BY THE ENGINEER USING AN INDEPENDENT TESTING AGENCY.
- THE COST FOR ALL BOLTS, NUTS, WASHER, WELDS AND SHIM PLATES SHALL BE INCLUDED IN THE STRUCTURAL STEEL ITEMS. NO DIRECT PAYMENT WILL BE MADE FOR THE WEIGHT OF THESE MATERIALS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THE LENGTHS OF ALL NEW STRUCTURAL STEEL MEMBERS OR ANY EXISTING STRUCTURAL STEEL COMPONENTS, FOUND TO BE IN NEED OF REPLACEMENT, PRIOR TO THE FABRICATION OF THE NEW OR REPLACEMENT COMPONENTS.
- REMOVAL OF RIVETS SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 589-3.03 OF THE STANDARD SPECIFICATIONS. REMOVAL SHALL BE PERFORMED IN A MANNER SUCH THAT EXISTING MATERIAL TO REMAIN IS NOT DAMAGED. BURNING OF RIVETS SHALL NOT BE PERMITTED AT SURFACES OF EXISTING MATERIAL THAT ARE TO REMAIN UNLESS APPROVED BY THE ENGINEER AFTER THE CONTRACTOR HAS DEMONSTRATED THE PROCEDURE TO BE USED. WHERE REQUIRED BY MISALIGNED PLYS, EXISTING RIVET HOLES SHALL BE REAMED TO ALLOW INSTALLATION OF BOLTS IN ACCORDANCE WITH THE NEW YORK STATE STEEL CONSTRUCTION MANUAL. THE COST OF REMOVING RIVETS AND REAMING EXISTING RIVET HOLES SHALL BE INCLUDED IN THE PRICE BID FOR THE APPROPRIATE CONTRACT ITEMS.
- RIVETS REMOVED AND REPLACED TO PERMIT THE REQUIRED REMOVAL OF ANY OF THE CONNECTED PARTS (WHETHER CALLED FOR ON THE PLANS OR ORDERED BY THE ENGINEER) SHALL BE PAID FOR UNDER REMOVAL OF EXISTING STEEL ITEMS OR OTHER ITEMS IN THE CONTRACT AS NOTED ON THE PLANS.
- REPLACEMENT OF RIVETS NOT COVERED BY NOTE 7 ABOVE ARE NOT ANTICIPATED FOR THIS PROJECT.
- REMOVAL OF RIVETS REQUIRED FOR INSTALLATION OF NEW STEEL COMPONENTS SHALL BE INCLUDED IN THE PRICE BID FOR THE STRUCTURAL STEEL ITEMS.
- FIELD DRILLING HOLES FOR INSTALLATION OF NEW STEEL COMPONENTS SHALL BE INCLUDED IN THE PRICE BID FOR THE STRUCTURAL STEEL ITEMS UNLESS NOTED OTHERWISE.
- SEAL PERIMETER OF ALL CONNECTIONS TO EXISTING FRAMING WITH SILICONE CAULK CONFORMING TO SPECIFICATION SECTION 705-06. INCLUDE COST IN THE STRUCTURAL STEEL REPLACEMENT ITEMS.

**PAINTING NOTES**

- ALL NEW STEEL SHALL BE SHOP PAINTED UNDER ITEM 574.030001 UNLESS NOTED OTHERWISE TO BE GALVANIZED. THE FINISH COAT COLOR SHALL MATCH THE COLOR OF THE EXISTING BRIDGE SUPERSTRUCTURE.
- THE COST FOR ALL FIELD CLEANING, PRIMING, AND PAINTING OF AREAS DAMAGED BY CONTRACTOR'S OPERATIONS OR MODIFIED AT DESIGNATED CONNECTION LOCATIONS SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 574.030001.
- WHERE NEW MATERIAL IS TO BE BOLTED TO EXISTING MATERIAL, THE EXISTING SURFACES SHALL BE CLEANED, PRIMED AND PAINT PER THE REQUIREMENTS OF ITEM 574.030001 UNLESS OTHERWISE NOTED. TARPS AND SCREENS WILL BE REQUIRED TO BE IN PLACE DURING PAINT REMOVAL OPERATIONS AS PER NYSDOT SPECIFICATION SECTION 570. THE COST FOR THE CLEANING, TARPING, SCREENING, PRIMING AND PAINTING SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 574.030001. THE FINISH COAT SHALL MATCH THE EXISTING COLOR OF THE BRIDGE SUPERSTRUCTURE.
- ALL PAINT REMOVAL WASTE SHALL BE DISPOSED OF IN ACCORDANCE WITH SECTION 571 OF THE NYSDOT SPECIFICATION. COST TO BE INCLUDED IN ITEM 574.030001.
- EXCEPT BETWEEN OVERLAPPING PLYS, ALL LEAD PAINT WAS REMOVED FROM BOTH BRIDGES DURING THE 1999-2004 PAINTING PROJECT. IF RIVET BUSTING, GRINDING, OR TORCH CUTTING IS PERFORMED, THE CONTRACTOR SHALL TAKE ANY NECESSARY MEASURES TO PROTECT HIS WORKERS IN COMPLIANCE WITH THE OSHA LEAD STANDARD 29 CFR 1926.62. STRIPPING OF LEAD PAINT IS NOT ANTICIPATED IN ANY OF THESE AREAS, BUT TORCH CUTTING AND RIVET REMOVAL MAY BE REQUIRED.
- ALL PAINT ON EXISTING STEEL THAT IS DAMAGED AS A RESULT OF THE DECK AND JOINT REPLACEMENT OPERATIONS, SHALL BE CLEANED, PRIMED AND PAINTED UNDER ITEM 574.030001. FINISH PAINT COLOR SHALL MATCH EXISTING.

**EXISTING CONDITIONS**

- THE LOCATION, NATURE, EXTENT, AND ALIGNMENT OF UNDERGROUND UTILITIES INDICATED ON THE DRAWINGS ARE SCHEMATIC AND MAY VARY FROM THEIR ACTUAL LOCATION AND ORIENTATION. OTHERS MAY ALSO EXIST IN THE WORK AREA.
- CONTACT ENGINEER AND "DIG SAFELY NEW YORK", 1-800-962-7962 FOR UTILITY STAKE-OUT PRIOR TO PERFORMING ANY EXCAVATIONS.
- VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD BEFORE COMMENCING WORK.
- MAINTAIN EXISTING GROUND SYSTEM ON NORTHBOUND AND SOUTHBOUND BRIDGES. REPORT TO E.I.C. ANY DEFICIENCIES DISCOVERED DURING CONSTRUCTION.

**EXISTING UTILITIES**

- PRECISE ROUTING OF EXISTING ELECTRICAL AND OTHER UNDERGROUND UTILITIES IS UNKNOWN. LOCATE AND PROTECT ALL EXISTING UNDERGROUND UTILITIES IN THE WORK AREA. ADVISE THRUWAY AUTHORITY OF ANY CONFLICT WITH EXISTING UTILITIES AND NEW WORK.
- THERE ARE 5 NY STATE THRUWAY AUTHORITY ASSETS, 2 WITHIN AND 3 JUST OUTSIDE THE WORK ZONE AREA. THESE ASSETS ARE 2 CCTV'S AT MP'S 20.2 AND 21.2 AND 3 TRANSMIT SITES LOCATED AT MP'S 20.3SB, 20.3NB AND 21.2 IN THE CENTER MEDIAN. IT IS ANTICIPATED THAT THESE ASSETS WILL NOT BE IMPACTED DURING CONSTRUCTION BUT THESE ASSETS ARE OPERATIONAL AND NOTED FOR CONTRACTOR'S AWARENESS.

**NORTHBOUND BRIDGE CONSTRUCTION SEQUENCE**

THE FOLLOWING IS A SUGGESTED GENERAL SEQUENCE OF CONSTRUCTION FOR THE NORTHBOUND AND ROBERT MOSES OFF-RAMP BRIDGE DECK REPAIR, OVERLAY REPLACEMENT AND JOINT REPLACEMENT. IT DOES NOT IN ANY WAY PRECLUDE THE CONTRACTOR FROM DEVELOPING THEIR OWN SEQUENCE OF CONSTRUCTION. THE CONTRACTOR'S PROPOSED CONSTRUCTION SEQUENCE SHALL BE APPROVED BY THE ENGINEER PRIOR TO COMMENCING WORK. REUSE PREVIOUSLY CONSTRUCTED CROSSOVER AT THE NORTH & SOUTH APPROACHES.

- REMOVE EXPANSION JOINTS AT SOUTH ABUTMENT, PIERS 1, 2, 3 AND NORTH ABUTMENT. REPAIR HEADER CONCRETE AND INSTALL TEMPORARY ROAD PLATES AND ASPHALT IN JOINT HEADER.
- REMOVE AND REPLACE MODULAR EXPANSION JOINTS.
- REPAIR THE STRUCTURAL CONCRETE DECK.
- INSTALL NEW SCUPPER SEAT EXTENSIONS AND GRATES (PROVIDE TEMPORARY RAMP ASPHALT).
- INSTALL NEW APPROACH SLAB, SOUTH APPROACH
- INSTALL NEW POLYESTER CONCRETE OVERLAY.
- INSTALL NEW EXPANSION JOINTS AT ABUTMENTS & PIERS.
- INSTALL TRANSITION PAVEMENT AT SOUTH & NORTH APPROACHES AND APPROACH TO ROBERT MOSES OFF-RAMP.

FOR ADDITIONAL SUGGESTED CONSTRUCTION SEQUENCE NOTES FOR JOINT REPLACEMENT AND SCUPPER HEIGHT ADJUSTMENT SEE DRAWINGS JD-13, JD-14, JD-15, SD-1 & SD-2.

**WORK ZONE TRAFFIC CONTROL**

- FOR ALL NORTH GRAND ISLAND NORTHBOUND BRIDGE DECK OVERLAY OPERATIONS, WHICH REQUIRE COMPLETE NORTHBOUND BRIDGE CLOSURE, THE CONTRACTOR WILL BE ALLOWED TO UTILIZE A CROSSOVER TRAFFIC PATTERN TO CLOSE THE NORTHBOUND BRIDGE AND SHIFT A SINGLE LANE OF NORTHBOUND TRAFFIC ONTO THE SOUTHBOUND BRIDGE. THIS CROSSOVER TRAFFIC PATTERN WOULD ALSO INCLUDE REDUCTION OF THE SOUTHBOUND TRAFFIC TO A SINGLE LANE. LANE CLOSURES SHALL BE IN ACCORDANCE WITH THE TRAFFIC MANAGEMENT TABLE(S) INCLUDED IN THE PROPOSAL.

**WORK RESTRICTIONS**

- THE CONTRACTOR SHALL UTILIZE THE LANE DESIGNATION SIGNALS ON THE NORTH GRAND ISLAND BRIDGE, SOUTHBOUND (NGIB-SB), AND CONFIRM WITH THE NYSTA THAT THEY ARE FULLY FUNCTIONING, BEFORE NIGHTLY BRIDGE CLOSURES WILL BE PERMITTED ON THE NORTHBOUND BRIDGE FOR THE PURPOSES OF BRIDGE DECK OVERLAY. ALL PERMANENT "OBEY LANE SIGNALS" AND "STAY IN LANE" SIGNS ON THE NGIB (SOUTHBOUND) SHALL BE INSTALLED BEFORE ANY NGIB (NORTHBOUND) SHUTDOWN. SEE DWGS. SIGN-1 & SIGN-2.
- THE CONTRACTOR WILL BE ALLOWED TO CLOSE THE NORTH GRAND ISLAND BRIDGE, NORTHBOUND (NGIB-NB) TO ALL TRAFFIC PREVIOUSLY DEFINED IN WORK ZONE TRAFFIC CONTROL, NOTE 1) DURING THE 2017 CONSTRUCTION SEASON ONLY, TO COMPLETE THE PARTIAL & FULL-DEPTH DECK REPAIRS, JOINT REMOVAL & INSTALLATION OF NEW JOINTS, SCUPPER ADJUSTMENTS, BRIDGE GUIDE RAIL REPLACEMENTS, CONSTRUCTION OF SOUTH ABUTMENT APPROACH SLAB AND POLYESTER OVERLAY OF THE CONCRETE DECK. TO CLOSE THE NGIB-NB, TRAFFIC CONTROL DEVICES, AS DETAILED IN THE PLANS, SHALL BE SET UP NIGHTLY TO ALLOW TWO-WAY, SINGLE LANE TRAFFIC ON THE NORTH GRAND ISLAND BRIDGE, SOUTHBOUND. THE CONTRACTOR SHALL REQUEST APPROVAL FOR BRIDGE CLOSURES FOR ALL OTHER WORK NOT RELATED TO THE POLYESTER OVERLAY.
- THE CONTRACTOR SHALL SCHEDULE HIS OPERATIONS SUCH THAT ALL NGIB-NB WORK RELATED TO JOINT REPLACEMENT AND INSTALLATION OF NEW OVERLAY IS STARTED NO EARLIER THAN APRIL 1, 2017 AND COMPLETED NO LATER THAN OCTOBER 15, 2017.
- PEDESTRIAN AND BICYCLE ACCESS SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.

**HIGH PRIORITY ITEMS**

- THE STRINGER WEB REPAIRS (ITEM 564.700003) FOR THE SOUTHBOUND BRIDGE ARE CONSIDERED HIGH PRIORITY. ALL STRINGER WEB REPAIRS LISTED ON DWG. STR-7 ARE TO BE COMPLETED BY MAY 12, 2017.
- THE LOCALIZED PAINTING OF SEVERAL GUSSET PLATES (ITEM 574.030001) ARE CONSIDERED HIGH PRIORITY ITEMS. THE FOLLOWING 4 GUSSET PLATES MUST BE FULLY CLEANED AND PAINTED PRIOR TO MAY 26, 2017:
  - L11 - WEST TRUSS
  - L25 - EAST TRUSS
  - L127 - WEST TRUSS
  - L137 - WEST TRUSS
 OTHER GUSSET PLATES MAY ALSO BE WORKED ON PRIOR TO THAT TIME TO SUIT THE CONTRACTOR'S ORDER/SEQUENCE OF OPERATIONS.

**WORK TO BE DONE**

THE FOLLOWING IS A GENERAL DESCRIPTION OF THE WORK TO BE DONE UNDER THIS CONTRACT. THIS LIST IS INTENDED TO GIVE THE CONTRACTOR A GENERAL DESCRIPTION OF THE WORK INVOLVED IN THIS CONTRACT AND IS NOT A COMPLETE LISTING OF ALL WORK TO BE DONE. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS EVEN THOUGH NOT SPECIFICALLY MENTIONED IN THIS LIST.

**NORTH GRAND ISLAND BRIDGE, NORTHBOUND**

- DECK REPAIR, JOINT REPLACEMENT AND OVERLAY
  - INSTALL POLYESTER CONCRETE OVERLAY ON BRIDGE DECK AND ABUTMENT SLABS.
  - REMOVE AND REPLACE ALL JOINTS.
- APPROACH ROADWAY RECONSTRUCTION AND MISCELLANEOUS WORK
  - REUSE CROSSOVERS AT THE NORTH AND SOUTH APPROACHES.
  - INSTALL CONCRETE APPROACH SLAB, SOUTH APPROACH.
  - CONSTRUCT 100' TRANSITION PAVEMENT SECTION, ALL APPROACHES.

**ABBREVIATIONS**

⊙	APPROX.	AT	APPROXIMATE OR APPROXIMATELY
B	BASELINE		
C	CENTERLINE		
CONC.	CONCRETE		
CONSTR. JT., C.J.	CONSTRUCTION JOINT		
CORP.	CORPORATION		
DEC.	DEGREES		
DIA. OR d	DIAMETER		
D/S	DOWNSTREAM		
DWG.	DRAWING		
DWLS.	DOWELS		
EA	EACH		
E.F.	EACH FACE		
EL.	ELEVATION		
EQ.	EQUAL		
E.S.	EACH SIDE		
E.W.	EACH WAY		
EXIST.	EXISTING		
EXP.	EXPANSION		
FIX.	FIXED		
FT.	FOOT OR FEET		
GALV.	GALVANIZED		
H.	HORIZONTAL		
H.H.	HANDHOLE		
H.S.	HIGH STRENGTH		
L.G.	LONG		
L.L.B.B.	LONG LEGS BACK TO BACK		
L.P.	LOW POINT		
LS	LUMP SUM		
K.	KIP OR KIPS		
MAX.	MAXIMUM		
M.B.	MAILBOX		
MFR.	MANUFACTURER		
MIN.	MINIMUM		
MPH	MILES PER HOUR		
NAV.	NAVIGATION		
NEC	NECESSARY		
NO.	NUMBER		
NYSTA	NEW YORK STATE THRUWAY AUTHORITY		
P	PROPERTY LINE		
PL.	PLATE		
R. OR RAD.	RADIUS		
REINF.	REINFORCING OR REINFORCEMENT		
REQ'D	REQUIRED		
SCH.	SCHEDULE		
SL.	SLOPE		
SL.B.B.	SHORT LEGS BACK TO BACK		
SPA.	SPACE OR SPACES		
STD.	STANDARD		
STIFF.	STIFFENER		
SYMM.	SYMMETRIC		
T.	TOP OF		
T.A.	THRUWAY AUTHORITY		
T.G.L.	THEORETICAL GRADE LINE		
TYP.	TYPICAL		
U.N.O.	UNLESS NOTED OTHERWISE		
U/S	UPSTREAM		
V.	VERTICAL		
V.I.F.	VERIFY IN FIELD		
W/	WITH		
WP	WORKING POINT		
WWF	WELDED WIRE FABRIC		

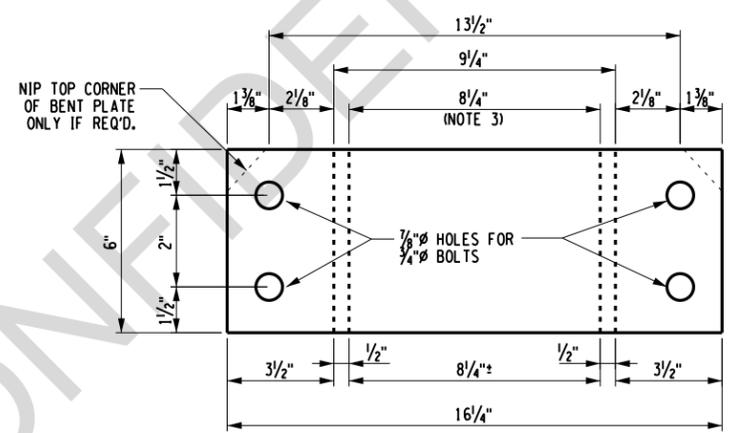
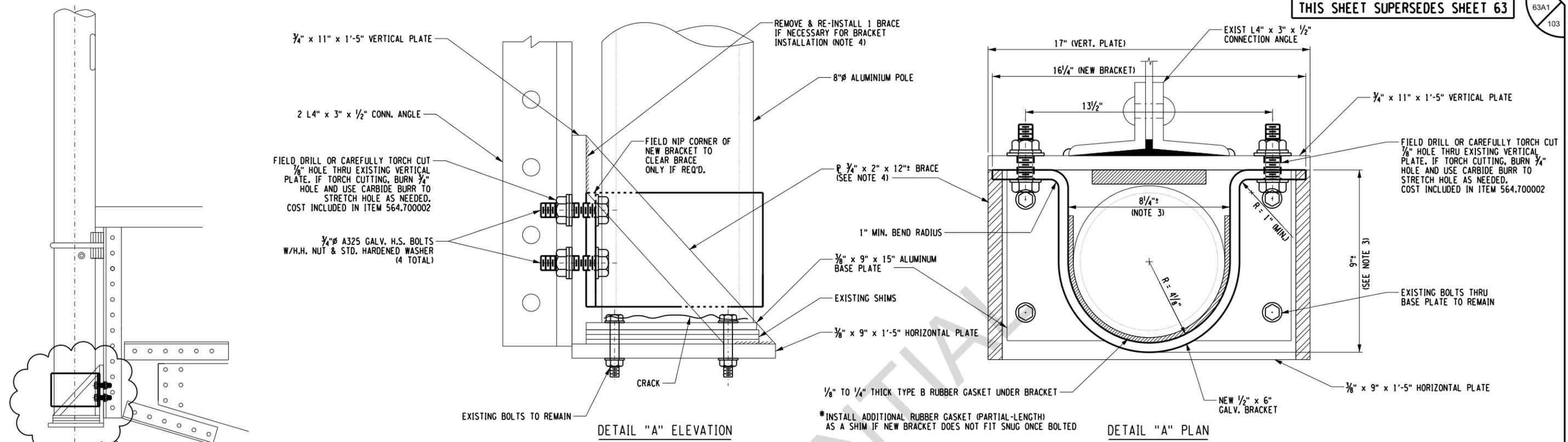
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IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL 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.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

<b>Thruway Authority</b>   <b>Canal Corporation</b>	TITLE OF PROJECT REHABILITATION OF NORTHBOUND NORTH GRAND ISLAND BRIDGE	CONTRACT NUMBER: TAN 16-32B
	LOCATION OF PROJECT M.P. N20.35, N21.11 & N21.12	DATE: SEPT., 2016
	TITLE OF DRAWING GENERAL NOTES - 2	DRAWING NUMBER: GN-2

S. KINSIMAN  
 CHECKED BY:  
 M. KOTTWICA  
 DRAFTED BY:  
 G. HOFFMANN  
 CHECKED BY:  
 S. KINSIMAN  
 DESIGNED BY:  
 F. DELSIGNORE  
 DESIGN SUPERVISOR:



**NOTES:**

- STEEL FOR NEW BRACKET SHALL BE ASTM A709 GR 36 KSI OR EQUAL AND SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123
- RUBBER GASKET SHALL BE TYPE B AND COST INCLUDED IN THE COST OF ITEM 564.700002.
- CONTRACTOR SHALL FIELD MEASURE EXISTING DIMENSIONS OF LIGHT POLE PRIOR TO ORDERING & FABRICATION OF THE BRACKET.  
IT IS STRONGLY RECOMMENDED TO FABRICATE ONE BRACKET AND TEST FIT THAT "TEMPLATE" BRACKET AT AS MANY LOCATIONS PRIOR TO FABRICATING ALL 24 BRACKETS.
- ONE EXISTING BRACE MAY NEED TO BE TEMPORARILY REMOVED TO INSTALL NEW BRACKET. NIP TOP CORNER OF NEW BRACKET ONLY IF THERE IS INTERFERENCE. RE-INSTALL BRACE BY WELDING. NO MODIFICATION TO BRACE IS WARRANTED. COST TO BE INCLUDED IN ITEM 564.700002.

LIGHT STANDARD REPAIRS (M.P. N20.35)			ITEM 564.700002
STATION	PANEL POINT	DESCRIPTION	QUANTITY
906+39.3	50' IN SPAN 2	INSTALL NEW BRACKET	1
907+90.0	U01	INSTALL NEW BRACKET	1
909+40.0	U07	INSTALL NEW BRACKET	1
910+90.0	U13 *	INSTALL NEW BRACKET	1
912+40.0	U19 *	INSTALL NEW BRACKET	1
913+90.0	U25	INSTALL NEW BRACKET	1
915+40.0	U31	INSTALL NEW BRACKET	1
916+90.0	U37	INSTALL NEW BRACKET	1
918+40.0	U43	INSTALL NEW BRACKET	1
919+90.0	U49	INSTALL NEW BRACKET	1
921+60.0	U55	INSTALL NEW BRACKET	1
922+90.0	U61	INSTALL NEW BRACKET	1
924+42.8	U67	INSTALL NEW BRACKET	1
925+81.6	U72	INSTALL NEW BRACKET	1
927+48.3	U78	INSTALL NEW BRACKET	1
928+87.2	U83 *	INSTALL NEW BRACKET	1
930+40.0	U89	INSTALL NEW BRACKET	1
931+90.0	U95	INSTALL NEW BRACKET	1
933+40.0	U101	INSTALL NEW BRACKET	1
934+90.0	U107	INSTALL NEW BRACKET	1
936+40.0	U113	INSTALL NEW BRACKET	1
937+90.0	U119	INSTALL NEW BRACKET	1
939+40.0	U125	INSTALL NEW BRACKET	1
940+90.0	U131	INSTALL NEW BRACKET	1
STRUCTURAL STEEL REPLACEMENT (TOTAL)			24 EACH ITEM 564.700002

\*CONSULT WITH DESIGN ENGINEER IF EXISTING U-BOLTS AT U13, U19 & U83 INTERFERE WITH INSTALLATION OF NEW RESTRAINER BRACKET

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.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

**Thruway Authority**  
**Canal Corporation**

TITLE OF PROJECT  
REHABILITATION OF NORTHBOUND  
NORTH GRAND ISLAND BRIDGE

LOCATION OF PROJECT  
M.P. N20.35, N21.11 & N21.12

TITLE OF DRAWING  
STRUCTURAL RETROFIT  
LIGHT POLE DETAILS & TABLE

CONTRACT NUMBER:  
TAN 16-32B

DATE:  
SEPT., 2016

DRAWING NUMBER:  
STR-1

FILE NAME = V:\Projects\BNY\31186\CA00\MSTNAmendment drawings\31186\_STR-1A.dgn  
 DATE / TIME = 9/26/2016  
 USER = 1719

