

**NEW YORK STATE THRUWAY AUTHORITY  
DEPARTMENT OF ENGINEERING**

**ALBANY, NY  
JULY 25, 2024**

**AMENDMENT NO. 1  
TO**

**CONTRACT TAS 24-1  
D214944  
PAVEMENT REHABILITATION AND MISCELLANEOUS  
WORK FROM MILEPOST 347.1 TO 351.4 EB/WB  
IN THE SYRACUSE AND BUFFALO DIVISIONS  
OF THE NEW YORK STATE THRUWAY  
IN ONTARIO COUNTY**

**IN THE LETTING OF  
AUGUST 14, 2024**

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**NOTE:** This amendment shall be attached to and become a part of the Proposal for Contract **TAS 24-1**.

For Electronic Bidders, the Project’s amended EBSX file will automatically account for any necessary item changes (deletions, changes in quantities, or additions) that this Amendment may describe as being required regarding the project’s estimated cost. Instructions to make physical changes to the Project Proposal’s bid sheets are intended for “paper” Bidders who choose to submit bids via paper.

Questions and Answers for this project are available from the Authority’s website, specifically at: [http://www.thruway.ny.gov/netdata/contractors/documents/d214944\\_tas24-1\\_questions-and-answers-07-24-2024.pdf](http://www.thruway.ny.gov/netdata/contractors/documents/d214944_tas24-1_questions-and-answers-07-24-2024.pdf). This document may be updated periodically without formal issuance of an Amendment. Prospective bidders are advised to revisit this link weekly and before proposals are due, for any possible additional questions and answers information.

**PROPOSAL**

1. **DELETE** the following Item:

<u>Contract Proposal Page</u>	<u>Item No.</u>	<u>Description</u>	<u>Unit</u>	<u>Estimated Quantity</u>
213	619.1711	Temporary Positive Barrier – Category 1 (Pinning Prohibited)	LF	182,500

The “paper” Bidder shall **CROSS OUT** and not enter a bid for these items in the Contract Proposal. If the Bidder fails to make these changes, the Authority will do so and adjust the TOTAL BID, accordingly.

**DELETE** all other references to the above item(s) in the Contract Plans and Contract Proposal.

2. **ADD** the following Items:

<u>Contract Proposal Page</u>	<u>Item No.</u>	<u>Description</u>	<u>Unit</u>	<u>Estimated Quantity</u>
219A-A1	586.0201	Drilling and Grouting Bolts or Reinforcement Bars	EA	56
219A-A1	619.08010125	Remove Pavement Marking Stripes (6 Inches), Traffic Paint	LF	232,075
219A-A1	619.08010325	Remove Pavement Marking Stripes (6 Inches), Removable Tape	LF	60,000
219A-A1	619.1715	Temporary Positive Barrier – Category 5 (Pinning Prohibited)	LF	182,500
219A-A1	619.8001 25	Tow Truck Service (Light)	HR	640
219A-A1	619.8002 25	Tow Truck Service (Heavy)	HR	640
219A-A1	647.31	Relocate Sign Panel, Sign Panel Assembly Size I (Under 30 Square Feet)	EA	1

The “paper” Bidder must **RETURN THE ATTACHED PAGE 219A-A1** with its bid for this Contract.

**ADD** the attached Special Specifications for Items 619.08010125, 619.08010325, 619.8001 25, and 619.8002 25, as shown on pages **45A-A1**, and **48A-A1** thru **48C-A1**, respectively.

3. **CHANGE** the estimated quantity for the following Item:

<u>Contract Proposal Page</u>	<u>Item No.</u>	<u>Description</u>	<u>Unit</u>	<u>Initial Estimated Quantity</u>	<u>Revised Estimated Quantity</u>
206	555.0021	Concrete for Structures, Performance	CY	37	57
206	556.0203	Galvanized Bar Reinforcement for Structures	LB	1,622	20,500
206	580.01	Removal of Structural Concrete	CY	150	287
207	582.0051	Removal and Replacement of Structural Concrete	CY	1	71
207	582.0061	Removal of Structural Concrete – Replacement with Vertical and Overhead Patching Material	SF	225	1,096
212	610.1402	Topsoil - Roadside	CY	4,636	3,396
212	610.1601	Turf Establishment - Roadside	SY	42,133	30,667
217	647.32	Relocate Sign Panel, Sign Panel Assembly Size II, (30-100 Square Feet)	EA	6	2
217	647.33	Relocate Sign Panel, Sign Panel Assembly Size III, (Over 100 Square Feet)	EA	4	2
219	685.1106 25	White Epoxy ReflectORIZED Pavement Stripes 6” x 20 Mils	LF	78,300	63,179
219	685.1206 25	Yellow Epoxy ReflectORIZED Pavement Stripes 6” x 20 Mil	LF	13,600	10,573

Contract Proposal Page	Item No.	Description	Unit	Initial Estimated Quantity	Revised Estimated Quantity
220	685.1406 25	White Epoxy ReflectORIZED Pavement Symbols	EA	16	15
220	697.03	Field Change Payment	DC	3,180,000	2,260,000

The “paper” Bidder shall **CROSS OUT** the estimated quantity shown for these items in the Contract Proposal, **WRITE IN** the revised estimated quantity, and submit its bid based on the noted changes. If the Bidder fails to make these changes, the Authority will do so and adjust the BID AMOUNT for the items and TOTAL BID, accordingly.

4. As shown on Proposal Page 207, the fixed price for the following Item has been **CHANGED**:

<u>Contract Proposal Page</u>	<u>Item No.</u>	<u>Description</u>	<u>Unit</u>	<u>Initial Unit Price</u>	<u>Revised Unit Price and Bid Amount</u>
207	582.99	Performance Concrete Quality Adjustment – Removal and Replacement of Structural Concrete	QU	\$50.00	\$10.00

The “paper” Bidder shall **CROSS OUT** the Initial Unit Price and Bid Amount for Proposal Line Number 0090, and **WRITE IN** the revised Unit Price and Bid Amount. If the Bidder fails to make this change, the Authority will do so and adjust the BID AMOUNT for the item and TOTAL BID, accordingly.

## **PLANS**

5. **DELETE** Drawing WZD-01, Sheet 27 of 372, and **SUBSTITUTE** with the attached Drawing WZD-01, Sheet 27A1 of 372. Notes have been added and removed to clarify time restrictions, towing services and striping removal items.
6. **DELETE** Drawing WZD-02, Sheet 28 of 372, and **SUBSTITUTE** with the attached Drawing WZD-02, Sheet 28A1 of 372. Notes have been added and removed to clarify time restrictions, towing services and striping removal items.
7. **DELETE** Drawing OSS-1, Sheet 363 of 372, and **SUBSTITUTE** with the attached Drawing OSS-1, Sheet 363-A1 of 372. An erroneous data line entry has been removed from immediately below the Cantilever Structure Table.

The Bidder **MUST** complete Page **234** 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.**

**Brent E. Howard, P.E.**  
**Chief Engineer**

**ITEM 619.0801xx25 – REMOVE PAVEMENT MARKING STRIPES (6 INCHES)**

**1. DESCRIPTION:**

1.01 The provisions of Section 619-1.05 shall apply.

**2. MATERIALS:**

2.01 The provisions of Section 619-2.05 shall apply.

**3. CONSTRUCTION DETAILS:**

3.01 The provisions of Section 619-3.05 shall apply.

**4. METHOD OF MEASUREMENT:**

4.01 The provisions of Section 619-4.05 shall apply except as follows:

- A. The quantity to be measured for payment will be in feet to the nearest whole foot along the centerline of the pavement stripes covered or removed and will be based on a 6-inch wide stripe. No measurement will be made for the gaps between broken and dotted line segments.
- B. Measurement for covering or removal of striping with a width greater than 6 inches will be made by the following method:

$$\frac{\text{Width of Striping (in)} \times \text{Number of Feet}}{6 \text{ (in)}}$$

**5. BASIS OF PAYMENT:**

5.01 The provisions of Section 619-5.05 shall apply except as follows:

xx = Material

- 01 = Traffic Paint
- 02 = Epoxy Paint
- 03 = Removable Tape
- 04 = Removable Wet Reflective Tape
- 05 = Traffic Paint Supplemented with Raised Markers

ITEM 619.8001--25 - TOW TRUCK SERVICE (LIGHT)

ITEM 619.8002--25 - TOW TRUCK SERVICE (HEAVY)

1. DESCRIPTION:

1.01 Under this item the Contractor shall furnish Tow Truck Service for emergency removal of vehicles disabled by mechanical/equipment failure or minor accident from the contract site as detailed in the Contract Documents or as directed by the Engineer.

2. SERVICE REQUIREMENTS:

2.01 The Contractor, in providing tow truck service, may utilize one of two options available to him as follows:

A. Thruway Authorized Towing Service Company

The towing service shall be furnished by a company currently operating under a letter of authorization to provide such services on the Thruway. A current list of authorized towing companies can be obtained from the New York State Thruway Authority upon request.

Contact: Traffic Program Manager  
Administrative Headquarters  
200 Southern Boulevard  
Albany, New York  
Tel. (518) 436-2816

B. Alternate Towing Service

An alternate towing service may be provided. Vehicles provided for tow truck service must be approved by the Thruway Authority prior to utilization of the service, and meet the same criteria and standards established by the Authority relative to vehicle requirements, and operational and safety equipment that are used in granting authorized tow truck service.

2.02 Tow truck vehicles will only be operated by drivers who have demonstrated knowledge and capability for operating the vehicles.

2.03 Additionally, the Contractor shall furnish a radio in each tow truck which is capable of transmitting and receiving via the Thruway's frequency. The Contractor will, in effect, be operating under the Thruway's license. The Supervisor of the Bureau of Communications - Thruway Headquarters - Tel: (518) 436-2813 should be contacted for information regarding radios to be installed in tow trucks. The Thruway Authority will ensure that vehicle operators are trained in the proper radio techniques and procedures through the Division Bureau of Traffic Operations.

2.04 Light Tow Truck is defined as a flatbed with a wheel lift attachment capable of towing passenger vehicles or light trucks (under 10,000 lbs.).

2.05 Heavy Tow Truck is defined as a towing vehicle with a minimum 45 ton capacity, with wheel lift capability for towing tractor trailer combinations and vehicles over 10,000 lbs.

2.06 Thruway Standards for Tow Service

A. The vehicles shall be in first class mechanical condition of good appearance and capable of efficiently performing the towing service to Thruway Authority patrons.

02/10 YS  
10/17 AM

ITEM 619.8001--25 - TOW TRUCK SERVICE (LIGHT)  
ITEM 619.8002--25 - TOW TRUCK SERVICE (HEAVY)

2. **SERVICE REQUIREMENTS:** (cont'd)

2.06 **Thruway Standards for Tow Service** (cont'd)

- B. The vehicles shall meet New York State Vehicle and Traffic Law requirements. Vehicle operators shall be required to comply with the provisions of Section 107-05 (Safety and Health Requirements) of the Standard Specifications.
- C. The name, address and phone number of the firm shall be either a painted decal or inscribed on metal plates, which must be rigidly fastened on both sides of the vehicle exterior at all times while on the Thruway Authority System.
- D. The vehicle(s) shall be subject to periodic inspection by Thruway Authority field personnel to assure continued compliance with these requirements.
- E. The Thruway Authority reserves the right to replace any tow service that fails to meet the above standards.

3. **CONSTRUCTION DETAILS:**

3.01 **Stationed Towing Service**

- A. The tow truck(s) with operator(s) shall be furnished and stationed at the location(s) specified by the Engineer, and as indicated in the Plans or in this Proposal. The tow truck(s) shall be stationed to expedite removal of disabled vehicles and shall be on duty during periods specified elsewhere in the contract documents.
- B. The tow truck(s) with operator(s) may also be required to provide towing service during other periods of anticipated heavy traffic flow as determined by the Engineer. Notice of requiring this service shall be given to the Contractor 24 hours in advance.

3.02 Disabled vehicles shall be towed to the nearest acceptable location approved by the Authority. The location shall be selected such that the operator of the disabled vehicle may readily obtain or arrange to obtain further service. In order to provide more expedient service to the operator of the disabled vehicle, the tow service shall advise Thruway communications when they are en-route to the drop zone as to what additional service(s) may be required by the patron. Upon delivery of the disabled vehicle to the approved location, the tow truck shall be required to immediately return to its assigned duty station, thus providing maximum towing coverage during the specified duty hours. Thruway patrons shall not be charged for the Towing Service provided under this item.

3.03 Every disabled vehicle that is towed shall be documented with the tow operator's name and the patron's name, address, telephone number and vehicle registration information.

3.04 The Authority reserves the right to utilize the currently authorized tow service for the hours outside those indicated in the Contract Documents, and for major accidents and recovery operations at any time.

02/10 YS  
10/17 AM

ITEM 619.8001--25 - TOW TRUCK SERVICE (LIGHT)

ITEM 619.8002--25 - TOW TRUCK SERVICE (HEAVY)

**4. METHOD OF MEASUREMENT:**

4.01 Payment will be made for each hour or portion thereof that a tow truck and operator is on duty as detailed above or elsewhere in the Contract Documents.

**5. BASIS OF PAYMENT:**

5.01 The unit price bid per hour per truck shall include the cost of all labor, equipment and materials necessary to provide the towing service. The hourly rate bid shall include the cost of a fully functional tow truck and operator.

5.02 The Contractor shall provide the specified tow truck(s) for each hour of required duty. No payment will be made for any hour or portion thereof of required duty that the tow truck(s) are not on duty.

5.03 Should the Contractor not provide the specified tow truck(s) during the required hours of duty, the Engineer or the Authority shall arrange for towing of any disabled vehicle from the project site to an approved location and such towing charges shall be deducted from monies owed to the Contractor by the Authority.

5.04 Payment will be made under:

<u>ITEM NO.</u>	<u>ITEM</u>	<u>PAY UNIT</u>
619.8001--25	Tow Truck Service (Light)	HR
619.8002--25	Tow Truck Service (Heavy)	HR



07/24/2024 2:15:13 PM

AASHTOWare Project™ Version 5.00 Revision 031

**Proposal Schedule of Items**

**Proposal ID:** D214944

**Project(s):** S53059

**Contractor:** \_\_\_\_\_

**SECTION:** 0001                      SECTION 1

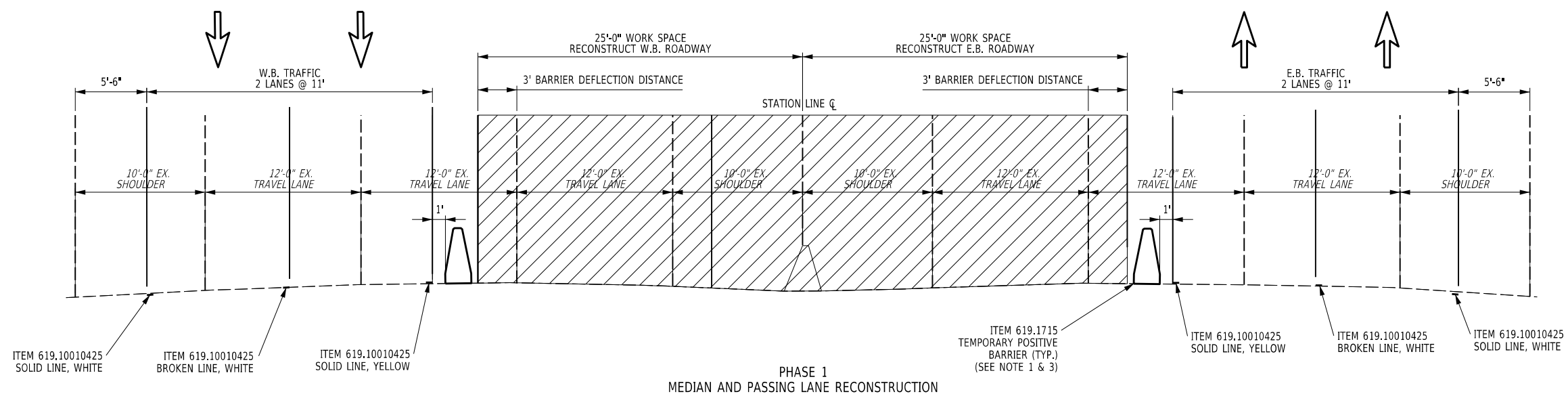
**Alt Set ID:**                                      **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0400	586.0201 DRILLING AND GROUTING BOLTS OR REINFORCEMENT BARS	56.000 EACH	_____	_____	_____	_____
0402	619.08010125 REMOVE PAVEMENT MARKING STRIPES 6 INCH - TRAFFIC PAINT	232,075.000 LF	_____	_____	_____	_____
0404	619.08010325 REMOVE PAVEMENT MARKING STRIPES - 6 INCH - REMOVABLE TAPE	60,000.000 LF	_____	_____	_____	_____
0406	619.1715 TEMPORARY POSITIVE BARRIER - CATEGORY 5 (PINNING PROHIBITED)	182,500.000 LF	_____	_____	_____	_____
0408	619.8001 25 TOW TRUCK SERVICE (LIGHT)	640.000 HOUR	_____	_____	_____	_____
0410	619.8002 25 TOW TRUCK SERVICE (HEAVY)	640.000 HOUR	_____	_____	_____	_____
0412	647.31 RELOCATE SIGN PANEL, SIGN PANEL ASSEMBLY SIZE I, (UNDER 30 SQUARE FEET)	1.000 EACH	_____	_____	_____	_____

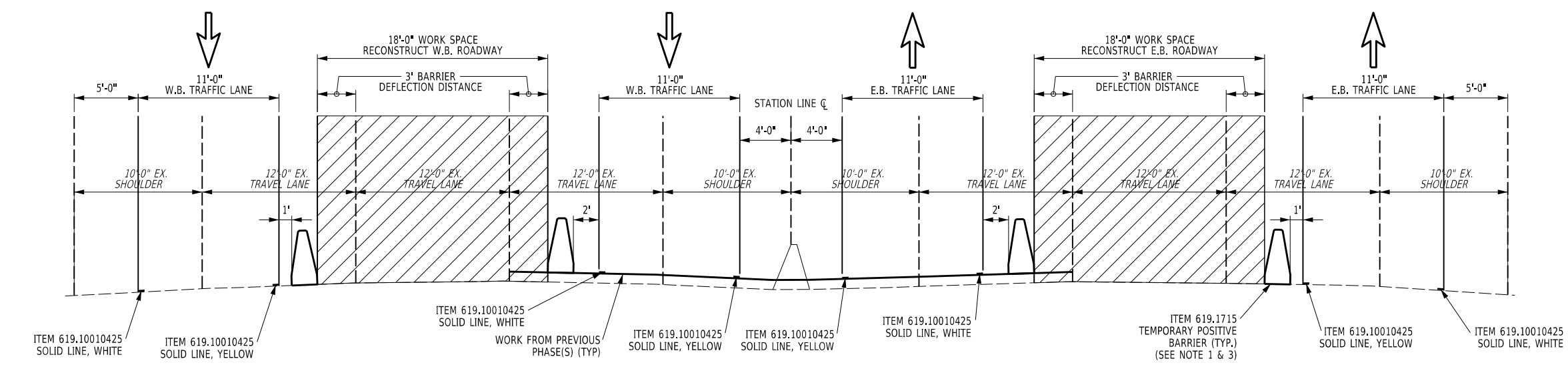
**Section: 0001**                                      **Total:** \_\_\_\_\_

**Total Bid:** \_\_\_\_\_





PHASE 1  
MEDIAN AND PASSING LANE RECONSTRUCTION



PHASE 2  
CENTER LANE RECONSTRUCTION

- NOTES:
- TEMPORARY POSITIVE BARRIER SHALL BE CATEGORY 5 FOR UNPINNED BARRIER.
  - ALL EXISTING PAVEMENT MARKINGS WILL BE REMOVED PRIOR TO THE ADDITION OF THE INTERIM PAVEMENT MARKING.
  - USE LINEAR DELINEATION SYSTEM (TRAFFIC SIDE), ITEM 619.17060025, ON ALL TANGENT RUNS.
  - DURING PHASE II, CONTRACTOR SHALL SUPPLY BOTH A LIGHT AND HEAVY TOWING SERVICE, ITEM 619.80010025 AND ITEM 619.80020025, RESPECTIVELY. TOWING SERVICES SHALL BE FOR MONDAY THROUGH FRIDAY DURING THE HOURS OF 6AM TO 10AM AND 2PM TO 6PM.
  - CONTRACTOR TO REMOVE CONFLICTING PAVEMENT MARKINGS FOR ALL WZTC PHASES IN LIVE TRAFFIC LANES. REMOVALS ARE TO BE DONE USING ITEM 619.08010125 - REMOVE PAVEMENT MARKING STRIPES, TRAFFIC PAINT - FOR AREAS WHERE PAVEMENT WILL BE OVERLAIN WITH NEW PAVEMENT OR RECONSTRUCTED. REMOVALS ARE TO BE DONE USING ITEM 619.08030025 - COVER EXISTING PAVEMENT MARKING STRIPES (REMOVABLE TAPE) - FOR AREAS WHERE EXISTING PAVEMENT WILL REMAIN AFTER TEMPORARY TRAVEL PATTERNS ARE REMOVED.

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.



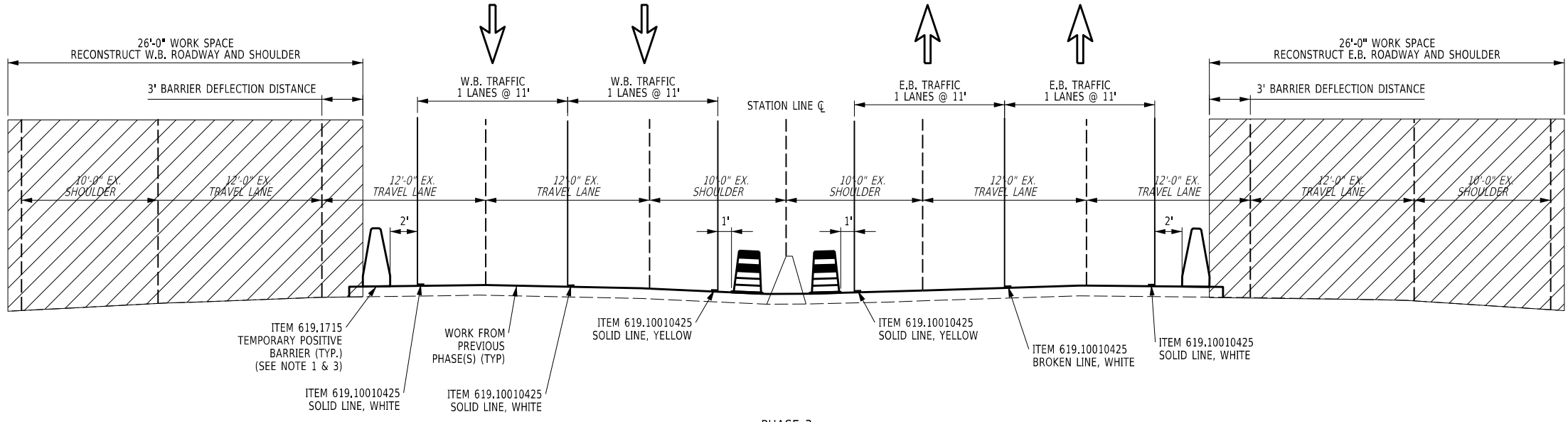
TITLE OF PROJECT  
PAVEMENT REHABILITATION  
EXIT 44 TO EXIT 45  
LOCATION OF PROJECT  
SYRACUSE DIVISION  
I-90 MP 347.1 TO 351.4  
TITLE OF DRAWING  
WORK ZONE TRAFFIC CONTROL  
TYPICAL SECTION PHASE 1 & 2

CONTRACT NUMBER:  
TAS 24-1  
DATE:  
06/21/2024  
DRAWING NUMBER:  
WZD-01

PWZ  
CHECKED BY: R. BENNETT  
DRAFTED BY: C. CLARK  
CHECKED BY: R. BENNETT  
DESIGNED BY: C. ECKLUND  
DESIGN SUPERVISOR: W. DALEY

ALTERED ON:	AFFIXED ON: <b>06/21/2024</b>
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

PW/ CHECKED BY: R. BENNETT DRAFTED BY: C. CLARK DESIGNED BY: C. ECKLUND



PHASE 3  
SHOULDER AND DRIVING LANE RECONSTRUCTION

- NOTES:
- TEMPORARY POSITIVE BARRIER SHALL BE CATEGORY 5 FOR UNPINNED BARRIER.
  - ALL EXISTING PAVEMENT MARKINGS WILL BE REMOVED PRIOR TO THE ADDITION OF THE INTERIM PAVEMENT MARKING.
  - USE LINEAR DELINEATION SYSTEM (TRAFFIC SIDE), ITEM 619.17060025, ON ALL TANGENT RUNS.
  - DURING PHASE II, CONTRACTOR SHALL SUPPLY BOTH A LIGHT AND HEAVY TOWING SERVICE, ITEM 619.80010025 AND ITEM 619.80020025, REPECTIVELY. TOWING SERVICES SHALL BE FOR MONDAY THROUGH FRIDAY DURING THE HOURS OF 6AM TO 10AM AND 2PM TO 6PM.
  - CONTRACTOR TO REMOVE CONFLICTING PAVEMENT MARKINGS FOR ALL WZTC PHASES IN LIVE TRAFFIC LANES. REMOVALS ARE TO BE DONE USING ITEM 619.08010125 - REMOVE PAVEMENT MARKING STRIPES, TRAFFIC PAINT - FOR AREAS WHERE PAVEMENT WILL BE OVERLAIN WITH NEW PAVEMENT OR RECONSTRUCTED. REMOVALS ARE TO BE DONE USING ITEM 619.08030025 - COVER EXISTING PAVEMENT MARKING STRIPES (REMOVABLE TAPE) - FOR AREAS WHERE EXISTING PAVEMENT WILL REMAIN AFTER TEMPORARY TRAVEL PATTERNS ARE REMOVED.

ALTERED ON:	AFFIXED ON: <b>06/21/2024</b>
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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	SYML

TITLE OF PROJECT PAVEMENT REHABILITATION EXIT 44 TO EXIT 45	CONTRACT NUMBER: TAS 24-1
LOCATION OF PROJECT SYRACUSE DIVISION I-90 MP 347.1 TO 351.4	DATE: 06/21/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL TYPICAL SECTION PHASE 3	DRAWING NUMBER: WZD-02

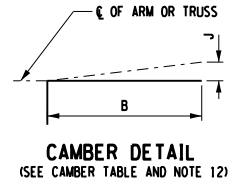
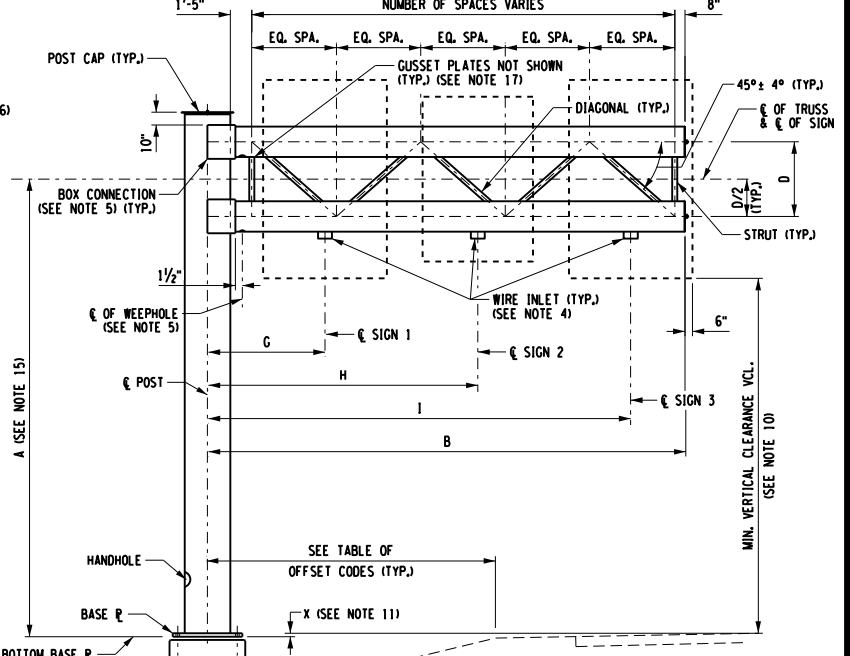
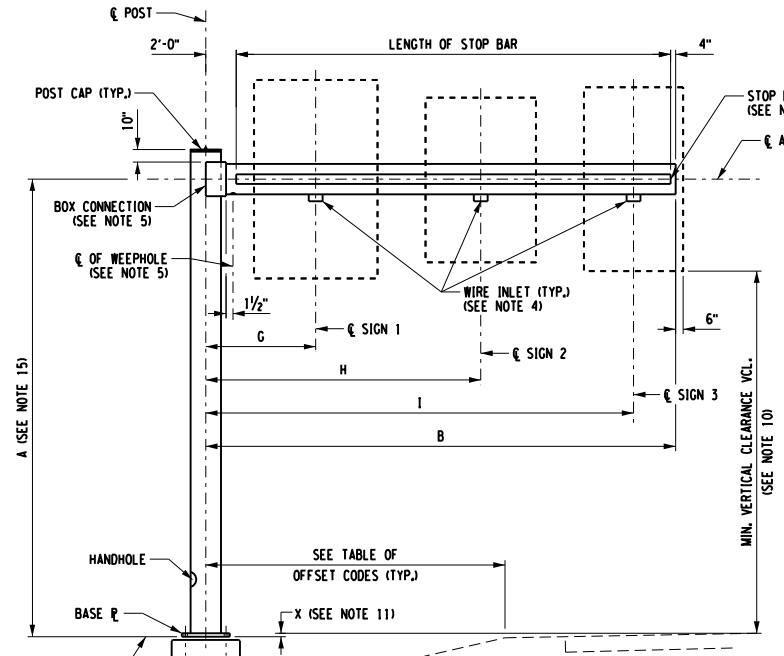
CANTILEVER STRUCTURE TABLE

S.I.N.	ITEM NO.	LOC. NO.	STRUCTURE TYPE (NOTE 16)	ARM LENGTH, B (ft.)	TOTAL SIGN AREA (ft. <sup>2</sup> )	STOP BAR LENGTH (ft.)	HEIGHT, A (ft.)	TRUSS DEPTH, D (ft.)	VCL (ft.)	POST				SIGN 1		SIGN 2		SIGN 3		CONSTRUCTED FOUNDATION TYPE (NOTE 19)	REMARKS
										SUBSTRATE SOIL/ROCK (NOTE 13)	X (ft.)	OFF-SET (ft.)	OFF-SET CODE	FOUNDATION TYPE (NOTE 14)	TEXT NO.	MIN. NO. Z-BARS (NOTE 6) (TYP.)	G (ft.)	TEXT NO.	MIN. NO. Z-BARS		
	644.421225	1	CT-11-25	36'-0"	222	N/A	28'-4"	8'-2 1/16"	17'-6"	S	10'-8"	7	ES	SHAFT	3	27					
	644.421125	2	CT-10-20	32'-0"	200	N/A	31'-8"	8'-2 1/16"	17'-6"	S	7'-5 1/2"	9	ES	SHAFT	2	25					
	644.421125	3	CT-10-20	32'-0"	200	N/A	30'-8"	8'-2 1/16"	17'-6"	S	6'-8"	9	ES	SHAFT	2	25					

NOTES:

- THESE STRUCTURES ARE DESIGNED IN ACCORDANCE WITH NYS DOT STANDARD DESIGN SPECIFICATIONS FOR OVERHEAD SIGN STRUCTURES. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATION SECTION 644. STEEL FABRICATION SHALL BE IN ACCORDANCE WITH THE NYS STEEL CONSTRUCTION MANUAL.
- FOR FOUNDATION DETAILS, SEE BD-OS10.
- FOR BASE PLATE AND ANCHOR BOLT DETAILS, SEE BD-OS13.
- INSTALL WIRE INLETS ON THE LOWER ARM AT THE CENTER LINE OF EACH SIGN, AS SHOWN ON THIS DRAWING. IF SIGN LIGHTING IS NOT INCLUDED IN THIS CONTRACT, WIRE INLETS SHALL BE OMITTED. FOR WIRE INLET DETAIL, SEE BD-OS1.
- FOR POST-ARM BOX CONNECTION DETAILS AND WEEP HOLE LOCATION, SEE BD-OS11.
- FOR STOP BAR AND OTHER SIGN PANEL ATTACHMENT DETAILS AND SPACING OF Z-BARS, SEE BD-OS14.
- FOR VERTICAL ORIENTATION OF SIGN PANELS, SEE BD-OS14.
- FOR POST AND ARM CAP DETAILS, SEE BD-OS13.
- FOR HANDHOLE DETAILS, SEE BD-OS13.
- THE SIGN STRUCTURE HEIGHT IS DESIGNED TO PROVIDE THE MINIMUM VERTICAL CLEARANCE (VCL) INDICATED BETWEEN THE SIGN PANELS AND ROADWAY SURFACE, INCLUDING LIGHTING OR OTHER ATTACHMENTS. AT ANY POINT OVER THE ENTIRE ROADWAY WIDTH, THE REQUIRED MINIMUM VCL IS 1'-0" GREATER THAN THAT REQUIRED FOR NEW OVERPASS STRUCTURES ALONG THE ROUTE.
- THE CONTRACTOR SHALL ESTABLISH THE TOP OF PEDESTAL OR SHAFT ELEVATIONS BASED ON THE INFORMATION SHOWN ON THE CONTRACT PLANS AND DATA DERIVED FROM FIELD SURVEYS. "X" IS THE DISTANCE BETWEEN THE MINIMUM VERTICAL CLEARANCE AND THE BOTTOM OF THE BASE PLATE AND SHALL BE FIELD-VERIFIED AND PRESENTED ON THE SHOP DRAWINGS. A NEGATIVE "X" INDICATES THAT THE BOTTOM OF BASE PLATE IS ABOVE THE POINT OF MINIMUM VERTICAL CLEARANCE. IF FIELD-VERIFIED "X" DIMENSIONS DIFFER FROM THOSE SHOWN ON THE CONTRACT PLANS, THE ENGINEER SHALL BE CONSULTED TO DETERMINE WHETHER DESIGN CHANGES ARE NEEDED.
- FOR DETAIL OF CAMBER ANGLE, SEE BOX CONNECTION ELEVATION DETAIL ON BD-OS11.
- SUBSTRATE TYPE SHALL BE DESIGNATED S (SOIL), R (ROCK) OR ' (SPECIAL FOUNDATION). AT SHAFTS, WHEN ROCK IS SPECIFIED, THE TOTAL SHAFT LENGTH AND THE SHAFT LENGTH IN ROCK SHALL BE INDICATED IN PARENTHESES. FOR FOOTING DEPTH IN SOIL OR ROCK, SEE FOUNDATION TABLE ON BD-OS10.
- FOUNDATION TYPE SHALL BE DESIGNATED 'FOOTING', 'SHAFT' OR 'SPECIAL'.
- MAXIMUM NOMINAL POST HEIGHT (A) IS 32'-10" FOR ALL STANDARD CANTILEVER STRUCTURES.
- FOR STANDARD CANTILEVER STRUCTURE TYPE SELECTION TABLE, SEE BD-OS9.
- FOR TRUSSED ARM CONNECTION DETAILS, SEE BD-OS12.
- WEEP HOLES SHALL BE 3/8" DIAMETER DRILLED HOLES AT BOTTOM OF EACH ARM.
- FILLED OUT BY E.I.C. AT TIME OF AS-BUILTS.

DESIGNER NOTES:  
FOR TRUSS DEPTH (D), REFER TO OVERHEAD SIGN STRUCTURE DESIGN MANUAL.  
CONSULT THE NATIONAL MUTCD AND THE HIGHWAY DESIGN MANUAL REGARDING HORIZONTAL CLEARANCE REQUIREMENTS FOR OVERHEAD SIGN SUPPORTS.



CAMBER TABLE

MAX. ARM LENGTH	SINGLE ARM J	TRUSSED ARM J	MAX. ARM LENGTH	SINGLE ARM J	TRUSSED ARM J
13'-1 1/2"	1 1/2"	3/4"	32'-9 1/16"	7"	4 3/4"
16'-4 3/8"	2"	1 1/2"	42'-7 3/16"	9 1/8"	6 7/16"
19'-8 1/4"	2 3/4"	2"	45'-11 3/16"	11 1/8"	9 1/16"
22'-11 3/8"	3 1/2"	3 1/8"	49'-2 3/8"	11 1/4"	11"
26'-3"	5 1/8"	3 1/8"	52'-6"	12 3/8"	11"
29'-6 3/8"	7"	4 3/8"			

(SEE CAMBER DETAIL)

OFFSET CODES

EP	EDGE OF PAVEMENT	FB	TRAFFIC FACE OF BARRIER BASE
ES	EDGE OF SHOULDER	FG	FRONT FACE OF GUIDE RAIL
CF	CURB FACE	CL	HIGHWAY CENTER LINE

REVISIONS

ERRATA

APPROVED: 03/29/2022  
ORIGINAL SIGNED BY: JAMES H. FLYNN III, P.E.  
DEPUTY CHIEF ENGINEER (STRUCTURES)

ORIGINAL ISSUED UNDER EB 08-002  
CURRENT ISSUED UNDER EB 22-014  
EFFECTIVE IMMEDIATELY

ALTERED ON: 06/21/2024

SIGNATURE: [Signature]

STAMP: [Professional Engineer Seal for Charles Bennett, License No. 084070]

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.

NEW YORK STATE OF OPPORTUNITY

Thruway Authority

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TITLE OF PROJECT: PAVEMENT REHABILITATION EXIT 44 TO EXIT 45

LOCATION OF PROJECT: SYRACUSE DIVISION I-90 MP 347.1 TO 351.4

TITLE OF DRAWING: OVERHEAD SIGN STRUCTURE DETAILS

CONTRACT NUMBER: TAS 24-1

DATE: 06/21/2024

DRAWING NUMBER: OSS-01

PWZ  
CHECKED BY: R. BENNETT  
DRAFTED BY: C. CLARK  
CHECKED BY: R. BENNETT  
DESIGNED BY: C. ECKLUND  
DESIGN SUPERVISOR: W. DALEY