

**COUNTY OF ALBANY**

**WATERVLIET SHAKER ROAD (CR157) PHASE III ROADWAY  
IMPROVEMENT PROJECT**

**RFB-2022-105**  
**ADDENDUM #3**

December 9, 2022

The following Addendum No. 3 consisting of eight (8) pages (including this cover page) is hereby issued on the 9<sup>th</sup> day of December 2022, in connection with the Request for Bids 2022-105 as requested by the Albany County Department of Public Works.

**COUNTY OF ALBANY**

**RFB-2022-105**

**WATERVLIET SHAKER ROAD (CR157) PHASE III ROADWAY IMPROVEMENT  
PROJECT**

**ADDENDUM #3**

*The following information is provided as a result of a question(s) posed by vendor(s):*

**ITEM #1:** Please see the attached amendment that has been issued for RFB#2022-105.

**End of Addendum #3**

**AMENDMENT NO. 2 TO:**  
**20-C558**  
**Watervliet Shaker Road (CR 157) Roadway Improvement Project**

IN THE LETTING OF  
December 15, 2022

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**TRANSMITTAL MEMO**

This amendment was initiated by Albany County and incorporates changes to the contract plans, proposal, and/or estimate. The following changes, additions and revisions shall be incorporated as identified in this amendment into the original PS&E submission and bid documents:

1. The following change has been made to Dwg. No. WZTN-01 in the Contract Plans:

Item 619.110712 (PVMS) Large Size – Full Matrix (LED) No Optional Equipment Specified, Cellular Communications has been changed to Item 619.110512 Standard Size – Full Matrix (LED) No Optional Equipment Specified, Cellular Communications.

Item 619.11071201 (PVMS) Large Size – Full Matrix (LED) No Optional Equipment Specified, Cellular Communications has been changed to Item 619.11051201 Standard Size – Full Matrix (LED) No Optional Equipment Specified, Cellular Communications.

Replace Dwg. No. **WZTN-01** with Dwg. No. **WZTN-01A2**.

2. The following change has been made to Dwg. No. WZTD-01 in the Contract Plans:

Item 619.110712 (PVMS) Large Size – Full Matrix (LED) No Optional Equipment Specified, Cellular Communications has been changed to Item 619.110512 Standard Size – Full Matrix (LED) No Optional Equipment Specified, Cellular Communications.

Replace Dwg. No. **WZTD-01** with Dwg. No. **WZTD-01A2**.

3. The following change has been made to Page BF-15 in the Project Manual:

Item 619.110712 (PVMS) Large Size – Full Matrix (LED) No Optional Equipment Specified, Cellular Communications has been changed to Item 619.110512 Standard Size – Full Matrix (LED) No Optional Equipment Specified, Cellular Communications.

Item 619.11071201 (PVMS) Large Size – Full Matrix (LED) No Optional Equipment Specified, Cellular Communications has been changed to Item 619.11051201 Standard Size – Full Matrix (LED) No Optional Equipment Specified, Cellular Communications.

Replace Page **BF-15** with Page **BF-15A2**.

4. The following change has been made to the Special Specifications in the Project Manual:

Item 619.110712 (PVMS) Large Size – Full Matrix (LED) No Optional Equipment Specified, Cellular Communications has been changed to Item 619.110512 Standard Size – Full Matrix (LED) No Optional Equipment Specified, Cellular Communications.

5. The additional following changes shall be made to the Project Manual:

- a. Item 619.11071201 on Page ii shall be changed to Item 619.11051201.
- b. Item 619.110712 on Page 01340-5 shall be changed to 619.110512.
- c. Item 619.11071201 on Page 01340-5 shall be changed to 619.11051201.
- d. Item 619.11071201 on Page TS-10 shall be changed to 619.11051201.

The following RFIs were submitted by potential bidders:

1. Item 619.110712 is a “large” sized VMS that is typically only used on the New York State Thruway. DOT doesn’t even typically use this one. Is the intent to use 619.110512 which is a “standard” size VMS?

The intent was to use a standard sized VMS. The Contract Plans and Project Manual have been updated to reflect this change.

2. Based upon a review of the phasing areas as shown in the WZTC staging plans, it appears there are several sections of the Full Reconstruction Limits of the roadway that are unaccounted for. In particular, the largest from station WS 31+00 to approximately WS 37+00. Is the intent to construct this section that's approximately 10' to 12' wide under live alternating traffic?

Please refer to the Work Zone Traffic Control Staging Notes on Dwg. No. WZTN-01, Stage 2, Note 2. The intent is to use flagging operations for a limited width of reconstruction as noted in the RFI.

**PLEASE BE GOVERNED ACCORDINGLY WHEN SUBMITTING BIDS**

FILE NAME = F:\m\1627 CR 157 Water\1iet Shaker Road\IGN\_Final Design\20-C558-oph-wztn\_01A2.dgn  
DATE/TIME = 12/8/2022 3:47:00 PM  
USER = mwalsh

FILE NAME: DATE: 12/8/2022 BY: mwalsh PLOT SCALE: AS SHOWN

WORK ZONE TRAFFIC CONTROL NOTES

A. GENERAL NOTES:

- ALL TRAFFIC CONTROL DEVICES AND SCHEMES USED FOR WORK ZONE TRAFFIC CONTROL SHALL CONFORM TO THE APPLICABLE SPECIFICATIONS AS SET FORTH IN THE CURRENT VERSIONS OF THE NATIONAL MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (NMUTCD), THE NYS SUPPLEMENT AND IN SECTION 619, WORK ZONE TRAFFIC CONTROL, OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, (US CUSTOMARY) AS AMENDED, OR AS AMENDED BY THESE PLANS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MAINTENANCE AND MAKING SURE ALL SIGNS, CONES, LIGHTING, BARRICADES, ETC ARE IN PLACES AND IN GOOD CONDITION. THE SOLE JUDGE OF THE EFFECTIVENESS OF THE CONTRACTOR'S EFFORTS TOWARD PROTECTION OF TRAFFIC SHALL BE THE ENGINEER. IF THE ENGINEER NOTIFIES THE CONTRACTOR OF ANY HAZARDOUS CONSTRUCTION PRACTICE, ALL OPERATIONS IN THAT AREA SHALL BE DISCONTINUED AND IMMEDIATE REMEDIAL ACTION SHALL BE TAKEN TO CORRECT THE SITUATION TO THE SATISFACTION OF THE ENGINEER.
- THE CONTRACTOR SHALL PROVIDE A FLAGGER AND APPROPRIATE SIGNING WHENEVER OPERATIONS INTERFERE WITH TRAFFIC, A.O.B.E. EXAMPLES INCLUDE, BUT ARE NOT LIMITED TO, DELIVERING OR REMOVING MATERIALS, LIFTING OPERATIONS, DIRECTING DRIVEWAY OR CROSS STREET TRAFFIC, AND, ANY ACTIVITIES AS ORDERED BY THE ENGINEER (ENGINEER). THE SOLE DUTY OF ANY SUCH FLAGGERS SHALL BE TO DIRECT TRAFFIC PROPERLY AT ALL TIMES. THESE FLAGGERS SHALL BE POSITIONED APPROPRIATELY IN ADVANCE OF THE WORK.
- ALL EXISTING ROADWAYS INTERSECTING THE WORK AREA SHALL REMAIN OPEN TO TRAFFIC AT ALL TIMES UNLESS OTHERWISE NOTED IN THE PLANS OR AUTHORIZED BY THE ENGINEER.
- WHEN FLAGGING THROUGH A SIGNALIZED INTERSECTION THE SIGNAL SHALL BE TURNED OFF FOR THE DURATION OF THE CLOSURE, UNLESS OTHERWISE DIRECTED BY THE ENGINEER IN CHARGE.
- CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE THROUGHOUT THE DURATION OF THIS PROJECT.
- PEDESTRIAN AND BICYCLE ACCESS SHALL BE MAINTAINED AT ALL TIMES FOR THE DURATION OF CONSTRUCTION. SEE STANDARD SHEET 619-520 FOR PEDESTRIAN DETOUR DETAILS.
- CONSTRUCTION OPERATIONS AND SEQUENCING SHALL BE CONSISTENT WITH THE REQUIREMENTS SET FORTH IN THE STORMWATER POLLUTION PREVENTION PLAN FOR THIS PROJECT.

B. CHANGES TO WORK ZONE TRAFFIC CONTROL (WZTC) PLANS:

- THE WORK ZONE TRAFFIC CONTROL PLANS SHOWN ARE CONSIDERED TO BE THE MINIMUM REQUIREMENTS. ADDITIONAL SIGNS AND/OR TRAFFIC CONTROL DEVICES MAY BE REQUIRED AS DETERMINED BY THE ENGINEER AND MUST BE PROVIDED WHERE SPECIAL COMPLEXITIES AND HAZARD PREVAIL. COST SHALL BE INCLUDED IN ITEM 619.01.
- ANY PROPOSED TRAFFIC CONTROL SCHEME WHICH WOULD DEViate FROM THE WORK ZONE TRAFFIC CONTROL DRAWINGS, INCLUDING THE RESTRICTIONS STATED THEREIN, SHALL BE APPROVED BY THE COUNTY ENGINEER.

C. WZTC COORDINATION:

- PRIOR TO ANY REDUCTION IN EXISTING ROADWAY WIDTHS, THE CONTRACTOR SHALL PROVIDE THE ENGINEER A WRITTEN NOTICE TWENTY-ONE (21) DAYS PRIOR SO HE MAY INFORM THE COUNTY OF THE WIDTH REDUCTION(S) IN A TIMELY MANNER. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING IMMEDIATELY UPON THE REMOVAL OF THE LANE WIDTH RESTRICTION SO THE ENGINEER MAY NOTIFY THE COUNTY. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE E.I.C. OF ANY LANE WIDTH REDUCTIONS SO THAT THE E.I.C. MAY NOTIFY THE TRAFFIC MANAGEMENT CENTER.

D. WZTC RESTRICTIONS:

- WORK SHALL BE COMPLETED BETWEEN 6 A.M. AND SUNSET. NIGHT WORK IS NOT ANTICIPATED. IF NIGHT WORK IS REQUIRED, CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING 2 WEEKS PRIOR AND RECEIVE WRITTEN AUTHORIZATION OF THE APPROVAL. NIGHTTIME OPERATIONS SHALL BE COVERED UNDER ITEM 619.24.
- THERE SHALL BE NO WORK OPERATIONS ALLOWED BEFORE DAWN OR AFTER SUNSET WITHOUT AN APPROVED LIGHTING PLAN. THE LIGHTING PLAN SHALL BE APPROVED PRIOR TO START OF WORK BY THE COUNTY ENGINEER OR HIS/HER DESIGNEE.
- PEAK HOUR TRAFFIC ON WATERVLIET SHAKER ROAD IS ANTICIPATED FROM 7AM TO 9AM AND FROM 4PM TO 6PM ON WEEKDAYS. THE CONTRACTOR SHALL REQUEST PRIOR APPROVAL FROM THE EIC TO IMPLEMENT TEMPORARY LANE CLOSURES, ALTERNATING ONE-WAY TRAFFIC, OR FLAGGING OPERATIONS DURING PEAK TRAFFIC HOURS.
- NO TEMPORARY LANE CLOSURES SHALL BE ALLOWED WHEN EITHER VISIBILITY OR PAVEMENT CONDITION ARE JUDGED TO BE INADEQUATE BY THE ENGINEER.
- FLAGGERS WITH FLAGGER SIGNS (W20-7a) SHALL BE LOCATED AT ALL ACTIVE WORK AREAS AND AT ANY OTHER LOCATIONS WITHIN A WORK AREA WHERE A RESTRICTED SIGHT DISTANCE IMPEDES THE FLOW OF TRAFFIC.
- THE CONTRACTOR SHALL SCHEDULE AND PROGRESS THE CONTRACT WORK IN A MANNER THAT MINIMIZES THE DURATION OF LANE CLOSURES. LANE CLOSURES SHALL BE USED ONLY WHEN WORK IS ACTUALLY IN PROGRESS.
- DURING WZTC STAGING, SUBBASE USED FOR VEHICULAR TRAFFIC SHALL BE LIMITED TO FIVE (5) CONSECUTIVE WORKING DAYS. ANY EXPOSED SUBBASE SHALL BE PAVED PRIOR TO ANY WEEKEND UTILIZING EITHER TEMPORARY OR PERMANENT PAVEMENT AS APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL MAINTAIN A 10 FOOT MINIMUM TRAVEL LANE AT ALL TIMES DURING CONSTRUCTION.

WARNING: IT IS A VIOLATION OF THE NEW YORK STATE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER IN ANY WAY ANY PLANS, SPECIFICATIONS, PLATS OR REPORTS TO WHICH THE SEAL OF A PROFESSIONAL ENGINEER HAS BEEN APPLIED.

D. WZTC RESTRICTIONS CONT.:

8. ALL LOCATIONS:

NO TEMPORARY LANE CLOSURES (HOLIDAY RESTRICTIONS)

2022					
NEW YEARS DAY	6:00 AM	DECEMBER 30 (2021)	TO	6:00 AM	JANUARY 3
MEMORIAL DAY	6:00 AM	MAY 27	TO	6:00 AM	MAY 31
INDEPENDENCE DAY	6:00 AM	JULY 1	TO	6:00 AM	JULY 5
LABOR DAY	6:00 AM	SEPTEMBER 2	TO	6:00 AM	SEPTEMBER 6
THANKSGIVING	6:00 AM	NOVEMBER 23	TO	6:00 AM	NOVEMBER 28
CHRISTMAS	6:00 AM	DECEMBER 23	TO	6:00 AM	DECEMBER 27

2023					
NEW YEARS DAY	6:00 AM	DECEMBER 30 (2022)	TO	6:00 AM	JANUARY 3
MEMORIAL DAY	6:00 AM	MAY 26	TO	6:00 AM	MAY 30
INDEPENDENCE DAY	6:00 AM	JULY 1	TO	6:00 AM	JULY 5
LABOR DAY	6:00 AM	SEPTEMBER 1	TO	6:00 AM	SEPTEMBER 5
THANKSGIVING	6:00 AM	NOVEMBER 22	TO	6:00 AM	NOVEMBER 27
CHRISTMAS	6:00 AM	DECEMBER 22	TO	6:00 AM	DECEMBER 26

2024					
NEW YEARS DAY	6:00 AM	DECEMBER 29 (2023)	TO	6:00 AM	JANUARY 2
MEMORIAL DAY	6:00 AM	MAY 24	TO	6:00 AM	MAY 28
INDEPENDENCE DAY	6:00 AM	JULY 4	TO	6:00 AM	JULY 8
LABOR DAY	6:00 AM	AUGUST 30	TO	6:00 AM	SEPTEMBER 3
THANKSGIVING	6:00 AM	NOVEMBER 27	TO	6:00 AM	DECEMBER 2
CHRISTMAS	6:00 AM	DECEMBER 21	TO	6:00 AM	DECEMBER 26

E. WZTC SIGNING AND DEVICES:

- THE SIGN AND APPURTENANCE DISTANCES SHOWN ON THE WORK ZONE TRAFFIC CONTROL PLANS ARE APPROXIMATE. THE DISTANCES MAY BE AMENDED BY THE ENGINEER TO BETTER MEET FIELD CONDITIONS.
- THE CONSTRUCTION AND REGULATORY SIGNS FOR A PARTICULAR WORK ZONE TRAFFIC CONTROL STAGE SHALL BE IN PLACE PRIOR TO THE START OF THAT STAGE. ALL CONSTRUCTION SIGNS SHALL EITHER BE REMOVED OR COVERED COMPLETELY WITH OPAQUE MATERIAL WHEN THE WORK TO WHICH THEY PERTAIN IS NOT IN PROGRESS,
- ALL SIGNS, INCLUDING ALL GUIDE SIGNS, SHALL INDICATE THE ACTUAL CONDITIONS AT ALL TIMES. SIGNS SHALL BE COVERED, REPOSITIONED, OR CHANGED IMMEDIATELY AS DIRECTED BY THE ENGINEER. NO SIGN SHALL BE PLACED AT ANY LOCATION WHERE IT COULD BE OBSCURED BY TEMPORARY OR PERMANENT OBJECTS. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01, WORK ZONE TRAFFIC CONTROL.
- ANY WORK ZONE TRAFFIC CONTROL PLAN WHICH WILL BE UTILIZED OR REMAIN IN PLACE DURING NIGHT TIME (DUSK TO DAWN) HOURS SHALL UTILIZE CONSTRUCTION DRUMS OR AN APPROVED ALTERNATE NIGHT TIME CHANNELIZING DEVICE (TUBULAR MARKERS CONFORMING TO 729-03, OR TYPE III BARRICADES). 729-04 CONES MAY BE SUBSTITUTED FOR DRUMS OR OTHER ALTERNATE CHANNELIZING DEVICES FOR DAYTIME (DAWN TO DUSK) WORK ZONE TRAFFIC CONTROL PLANS, BUT SHALL NOT BE UTILIZED FOR NIGHT TIME WORK ZONE TRAFFIC CONTROL PLANS OR FOR PLANS WHICH WILL REMAIN IN PLACE OVERNIGHT. IF THE CONTRACTOR ELECTS TO UTILIZE ALTERNATE CHANNELIZING DEVICES (TUBULAR MARKERS OR TYPE III BARRICADES) NO DIRECT PAYMENT SHALL BE MADE FOR THE ALTERNATE DEVICES. ALL COSTS ASSOCIATED WITH ALTERNATE CHANNELIZING DEVICES INCLUDING ALL MATERIALS, EQUIPMENT AND LABOR TO INSTALL, MAINTAIN, RELOCATE, AND REMOVE ALL DEVICES SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 619.01, WORK ZONE TRAFFIC CONTROL.
- THE CONTRACTOR SHALL USE FIVE (5) PORTABLE VARIABLE MESSAGE SIGNS (PVMS) (LED) THROUGHOUT THE CONTRACT NOTIFYING THE PUBLIC OF CONSTRUCTION OPERATIONS. AT THE END OF THE CONTRACT, THE CONTRACTOR SHALL RELINQUISH THREE (3) OF THE PVMS BOARDS TO THE COUNTY. ALL MESSAGES SHALL BE APPROVED BY THE COUNTY PRIOR TO DISPLAY TO THE PUBLIC. WORK PAID FOR UNDER ITEM 619.110512, PORTABLE VARIABLE MESSAGE SIGN, THE THREE (3) PVMS BOARDS THAT SHALL BE RELINQUISHED TO THE COUNTY SHALL BE PAID FOR UNDER ITEM 619.11051201. THE REMAINING BOARDS SHALL BE PAID FOR UNDER ITEM 619.110512.

F. CONSTRUCTION VEHICLES:

- WITHIN THE PROJECT LIMITS, VEHICLES BELONGING TO THE CONTRACTOR OR THE CONTRACTOR'S EMPLOYEES SHALL NOT BE PARKED WITHIN 30 FT OF THE EDGE OF PAVEMENT.
- DRIVING AGAINST TRAFFIC, REGARDLESS OF WHETHER THE AREA HAS BEEN CLOSED TO TRAFFIC, SHALL NOT BE ALLOWED AT ANYTIME, EXCEPT FOR TRAFFIC CONE PICKUP AND ON CLOSED RAMPS AND AS SPECIFICALLY PERMITTED BY THE ENGINEER.
- WHEN REOPENING DRIVING LANES TO TRAFFIC, THE CONTRACTOR SHALL START BY REMOVING THE CONES AT THE FAR END OF THE LANE CLOSURE AND WORK TOWARDS THE SIGNS AT THE BEGINNING OF THE LANE CLOSURE. THE SIGNS ARE NOT TO BE TAKEN DOWN UNTIL ALL TRAFFIC CONTROL DEVICES HAVE BEEN REMOVED.
- ESCORT VEHICLES EQUIPPED WITH AN APPROVED ROTATING AMBER WARNING LIGHT SHALL BE REQUIRED WHEN TRANSPORTING SLOW MOVING CONSTRUCTION EQUIPMENT ALONG ANY PORTION OF THE ROADWAY THAT IS OPEN TO TRAFFIC.
- ALL VEHICLES THAT WILL MOVE INTO AND OUT OF TRAFFIC AT WORK AREAS SHALL BE EQUIPPED WITH AN APPROVED ROTATING AMBER WARNING LIGHT THAT SHALL BE MOUNTED SO AS TO BE EASILY SEEN BY APPROACHING TRAFFIC.
- TO PREVENT THE ACCIDENTAL INTRODUCTION OF INVASIVE PLANTS DURING CONSTRUCTION ACTIVITIES, ALL TRACKED EQUIPMENT INVOLVED IN EARTHWORK WILL BE CLEANED AS APPROPRIATE, E.G. TRACKS, BUCKETS, PRIOR TO ARRIVAL ON-SITE TO REMOVE PLANTS, SEEDS AND PROPAGULES THAT MAY BE ATTACHED. CLEANING SHALL CONSIST OF USING PHYSICAL MEANS AND HAND TOOLS, SUCH AS BRUSHES, BROOMS, RAKES OR SHOVELS, ON ALL TRACK AND BUCKET/BLADE COMPONENTS TO ADEQUATELY REMOVE ALL VISIBLE DIRT AND PLANT DEBRIS. IF WATER IS USED, THE WATER/SLURRY SHALL BE CONTAINED SO AS TO RESTRICT INTRODUCTION OF INVASIVE PLANTS, SEEDS AND PROPAGULES INTO THE PROJECT OR OFF-SITE THROUGH FUTURE SURPLUS MATERIAL DISPOSAL.

G. RESPONSIBILITY FOR EMERGENCY REPAIRS:

- THE CONTRACTOR SHALL SUBMIT, IN WRITING, TO THE ENGINEER WHO IN TURN WILL SUBMIT TO THE COUNTY ENGINEER OR HIS/HER DESIGNEE, THE NEW YORK STATE POLICE, AND THE LOCAL POLICE, THE NAMES ADDRESSES, AND TELEPHONE NUMBERS OF HIS/HER AND THE CONTRACTOR'S STAFF WHO ARE AUTHORIZED TO SECURE LABOR, MATERIALS, AND EQUIPMENT FOR EMERGENCY REPAIRS OUTSIDE NORMAL WORKING HOURS.

H. ROADSIDE HAZARDS:

- SEE SECTION 619 IN THE STANDARD SPECIFICATIONS FOR REQUIRED TREATMENT OF PAVEMENT EDGE DROP-OFFS AND DELINEATION.
- WHEN NOT IN USE, THE CONTRACTOR SHALL NOT STORE ANY CONSTRUCTION EQUIPMENT, SIGNS, TRAFFIC CONTROL DEVICES, MATERIALS OR ANY OTHER APPURTENANCES ALONG THE ROADWAY WITHIN THE CLEAR ZONE.

I. CHANGING WZTC SCHEMES:

- WHEN IT IS NECESSARY TO CHANGE THE LANES THAT ARE CLOSED TO TRAFFIC, THE CONTRACTOR SHALL BE REQUIRED TO FIRST REMOVE ALL DRUMS, CONES, SIGNS, ARROWS, AND THE LIKE SO THAT ALL LANES ARE OPEN BEFORE THE NEW SCHEME IS SET IN PLACE. THIS METHOD MAY BE MODIFIED BY THE COUNTY ENGINEER, AS NECESSARY.

WORK ZONE TRAFFIC CONTROL STAGING NOTES

PRE-STAGE 1

- CONTRACTOR SHALL INSTALL ALL PROJECT SIGNING AS SHOWN IN THE WORK ZONE TRAFFIC CONTROL (WZTC) PLANS.

STAGE 1

- WHILE MAINTAINING THE EXISTING TRAFFIC PATTERN FROM CAREER PATH TO THE EASTERN PROJECT LIMIT, THE CONTRACTOR SHALL BEGIN WORK ALONG THE NORTH SIDE OF THE PROJECT FOR UTILITY RELOCATION.
- THE CONTRACTOR SHALL SHIFT TRAFFIC FROM CAREER PATH TO THE WESTERN PROJECT LIMIT AS SHOWN IN THE WZTC STAGE 1 PLANS TO CONSTRUCT THE PROPOSED BOX WIDENING SECTION. THE CONTRACTOR SHALL PERFORM THE PROPOSED WORK SHOWN IN THE CONTRACT PLANS WITHIN THIS WORK ZONE.

WINTER SHUTDOWN:

- CONTRACTOR SHALL REMOVE ALL WZTC DEVICES FROM THE ROADWAY AND ALL PROJECT SIGNS SHALL BE COVERED FOR THE WINTER SHUTDOWN.

PRE-STAGE 2

- CONTRACTOR SHALL UNCOVER ALL PROJECT SIGNING AS SHOWN IN THE WZTC PLAN.

STAGE 2

- THE CONTRACTOR SHALL ALL SHIFT TRAFFIC FROM CAREER PATH TO THE EASTERN PROJECT LIMIT TO THE SOUTH AS SHOWN IN THE WZTC STAGE 2 PLANS. THE CONTRACTOR SHALL CONSTRUCT THE PROPOSED WORK SHOWN IN THE CONTRACT PLANS WITHIN THIS WORK ZONE.
- DURING STAGE 2, THE CONTRACTOR SHALL UTILIZE FLAGGER OPERATIONS TO CONSTRUCT SOME OF THE PROPOSED WORK FROM STATION WS 30+50+/- TO WS 37+50+/-

STAGE 3

THE CONTRACTOR SHALL ALL SHIFT TRAFFIC TO THE NORTH ONTO THE NEWLY CONSTRUCTED ROADWAY AS SHOWN IN THE WZTC STAGE 3 PLANS. THE CONTRACTOR SHALL CONSTRUCT THE PROPOSED WORK SHOWN IN THE CONTRACT PLANS WITHIN THIS WORK ZONE.

STAGE 4

- THE CONTRACTOR SHALL UTILIZE FLAGGING OPERATIONS TO MILL, PLACE THE TOP COURSE AND PAVEMENT MARKINGS.

THIS SHEET SUPERSEDES DWG. NO. WZTN-01



Engineering and  
Land Surveying, P.C.  
1533 Crescent Road • Clifton Park, NY 12065



COUNTY OF ALBANY  
DEPARTMENT OF PUBLIC WORKS  
449 NEW SALEM ROAD  
VOORHEESVILLE, NEW YORK 12186  
518-765-2786



WORK ZONE TRAFFIC CONTROL  
NOTES

WATERVLIET SHAKER ROAD (CR 157)

DRAWN BY: MEB

SCALE: AS SHOWN

DRAWING NUMBER: WZTN-01A2

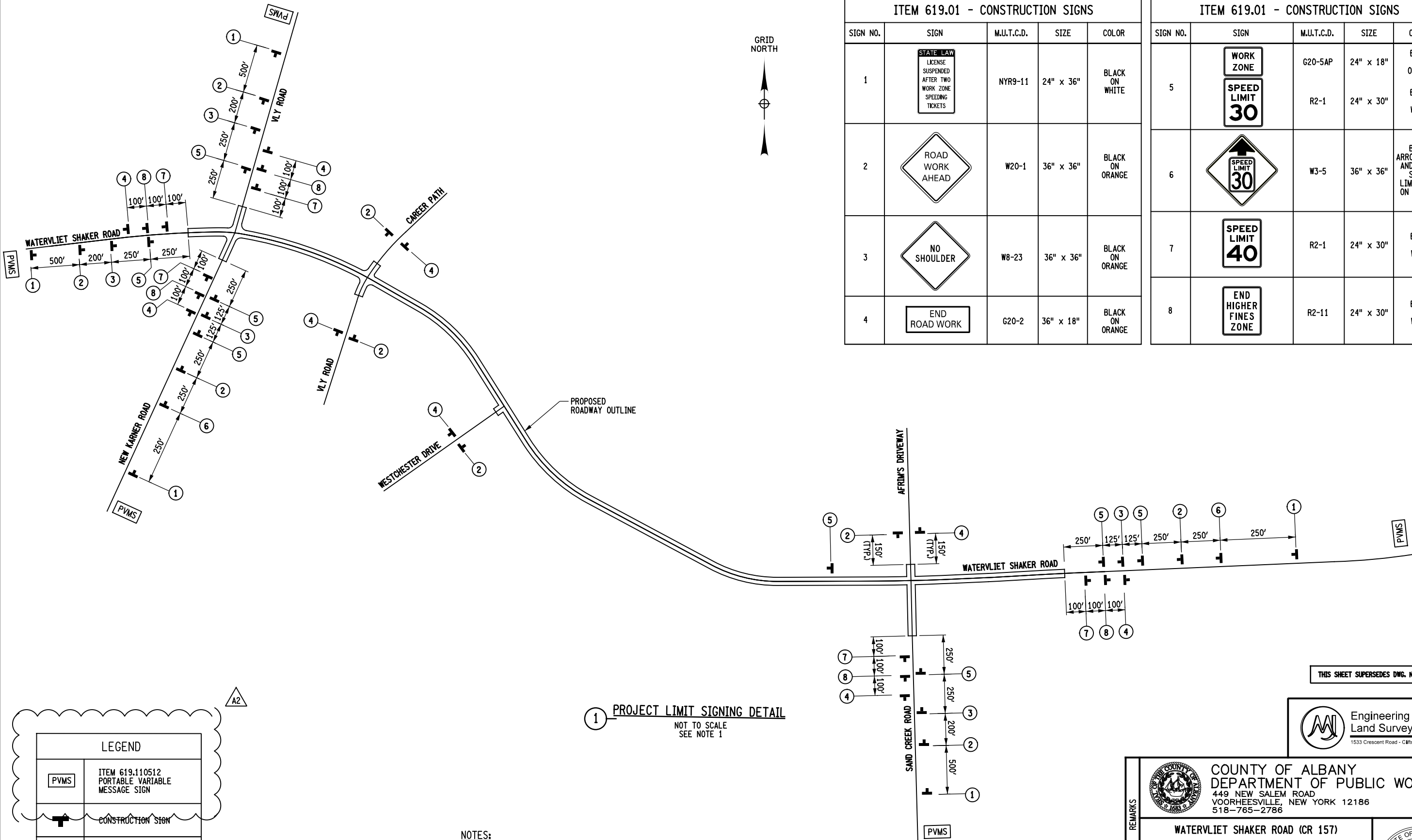
CHECKED BY: LMW

DATE: NOVEMBER 2022

SHEET: 12

APPROVED BY: BJC

PROJ. I.D. NO.: 20-C558



LEGEND

ITEM 619.110512  
PORTABLE VARIABLE  
MESSAGE SIGN

CONSTRUCTION SIGN

SIGN NUMBER

1 PROJECT LIMIT SIGNING DETAIL  
NOT TO SCALE  
SEE NOTE 1

NOTES:

- SEE DWG. NO. WZTN-01 FOR WORK ZONE TRAFFIC CONTROL STAGING NOTES AND GENERAL NOTES.
- ALL EXISTING/PROPOSED SIGNING WITHIN THE PROJECT AREA THAT CONFLICTS WITH THE PROPOSED CONSTRUCTION ACTIVITIES SHALL BE REMOVED OR BAGGED AS DIRECTED BY THE ENGINEER PAYMENT INCLUDED IN ITEM 619.01.
- CONTRACTOR STAGING SCHEMES SHOULD BE REVIEWED TO ENSURE PROPER (REAL TIME) SIGNING IS IN PLACE DURING THE PROPER TIME PERIODS. THE CONTRACTOR MAY BE REQUIRED TO COVER ALL SIGNS ON A DAILY BASIS NOT DIRECTLY RELATED TO ACTIVE WORK, AS DIRECTED BY THE ENGINEER. COST TO BE INCLUDED UNDER ITEM 619.01.
- CONTRACTOR SHALL PLACE PVMS QUARTER MILE BEFORE WORK ZONE SIGNS ON SAND CREEK ROAD, WATERVLIET SHAKER ROAD AND NEW KARNER ROAD.

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ITEM 619.01 - CONSTRUCTION SIGNS				
SIGN NO.	SIGN	M.U.T.C.D.	SIZE	COLOR
1		NYR9-11	24" x 36"	BLACK ON WHITE
2		W20-1	36" x 36"	BLACK ON ORANGE
3		W8-23	36" x 36"	BLACK ON ORANGE
4		G20-2	36" x 18"	BLACK ON ORANGE

ITEM 619.01 - CONSTRUCTION SIGNS				
SIGN NO.	SIGN	M.U.T.C.D.	SIZE	COLOR
5		G20-5AP R2-1	24" x 18" 24" x 30"	BLACK ON ORANGE BLACK ON WHITE
6		W3-5	36" x 36"	BLACK ARROW/WHITE AND BLACK SPEED LIMIT SIGN ON ORANGE
7		R2-1	24" x 30"	BLACK ON WHITE
8		R2-11	24" x 30"	BLACK ON WHITE

THIS SHEET SUPERSEDES DWG. NO. WZTD-01

Engineering and  
Land Surveying, P.C.  
1533 Crescent Road - Clifton Park, NY 12065

COUNTY OF ALBANY  
DEPARTMENT OF PUBLIC WORKS  
449 NEW SALEM ROAD  
VOORHEESVILLE, NEW YORK 12186  
518-765-2786

REMARKS

BY

DATE

REV.

WATERVLIET SHAKER ROAD (CR 157)

WORK ZONE TRAFFIC CONTROL  
DETAILS

DRAWN BY: MEB  
CHECKED BY: LMW  
APPROVED BY: BJC

SCALE: AS SHOWN  
DATE: NOVEMBER 2022  
PROJ. I.D. NO.: 20-C558

DRAWING  
NUMBER: WZTD-01A2  
SHEET: 15

Proposal Line Number	Item ID Description	Bid Req. Code	Approximate Quantity and Units	Unit Price		Bid Amount	
				Dollars	Cents	Dollars	Cents
000178	614.060203 TREE REMOVAL OVER 6 INCHES TO 12 INCHES DIAMETER BREAST HEIGHT - STUMPS CUT TO BELOW GRADE		5 EACH	_____.	_____	_____.	_____
000180	614.060204 TREE REMOVAL OVER 6 INCHES TO 12 INCHES DIAMETER BREAST HEIGHT - STUMPS GRUBBED		1 EACH	_____.	_____	_____.	_____
000182	614.060304 TREE REMOVAL OVER 12 INCHES TO 18 INCHES DIAMETER BREASTHEIGHT - STUMPS GRUBBED		2 EACH	_____.	_____	_____.	_____
000184	614.060404 TREE REMOVAL OVER 18 INCHES TO 24 INCHES DIAMETER BREASTHEIGHT - STUMPS GRUBBED		1 EACH	_____.	_____	_____.	_____
000186	615.02050124 REMOVE, STORE AND RESET BOULDER, TYPE 01		5 EACH	_____.	_____	_____.	_____
000188	619.01 BASIC WORK ZONE TRAFFIC CONTROL		1 LS	_____.	_____	_____.	_____
000190	619.04 TYPE III CONSTRUCTION BARRICADE		12 EACH	_____.	_____	_____.	_____
000192	619.080102 REMOVE PAVEMENT MARKING STRIPES, EPOXY PAINT		23,280 LF	_____.	_____	_____.	_____
000194	619.100101 INTERIM PAVEMENT MARKINGS, STRIPES (TRAFFIC PAINT)		43,530 LF	_____.	_____	_____.	_____
000196	619.110512 (PVMS) STANDARD SIZE - FULL MATRIX (LED) NO OPTIONALEQUIPMENT SPECIFIED, CELLULAR COMMUNICATIONS		2 EACH	_____.	_____	_____.	_____
000198	619.11051201 (PVMS) STANDARD SIZE - FULL MATRIX (LED) NO OPTIONALEQUIPMENT SPECIFIED, CELLULAR COMMUNICATIONS		3 EACH	_____.	_____	_____.	_____



**ITEM 619.11051201 – (PVMS) STANDARD SIZE – FULL MATRIX (LED) NO  
OPTIONAL EQUIPMENT SPECIFIED, CELLULAR COMMUNICATIONS**

**DESCRIPTION**

Reference Section 619-1.10A of the NYSDOT Standard Specifications.

**MATERIALS**

Reference Section 619-2.10 of the NYSDOT Standard Specifications.

**CONSTRUCTION DETAILS**

Reference Section 619-3.10 of the NYSDOT Standard Specifications.

**METHOD OF MEASUREMENT**

Reference Section 619-4.10 of the NYSDOT Standard Specifications.

**BASIS OF PAYMENT**

The unit bid price for the PVMS shall include the cost of all labor, materials, testing and equipment necessary to complete the work, including cellular telephone service initial start-up and monthly charges for the cellular communications option. The cost of relinquishing the PVMS to Albany County at the end of the contract shall be included under this item.