

## **EASEMENT AGREEMENT**

THIS AGREEMENT made and entered into this 24<sup>th</sup> day of April, 2025 by and between, County of Albany, a municipal corporation, with an office at 112 State St., Albany, New York 12077 (hereinafter referred to as "Grantor"), and FirstLight Fiber, Inc., a Delaware corporation with offices at 12 Metro Park Road, Albany, NY 12205 (hereinafter referred to as "Grantee").

### **RECITALS**

WHEREAS, Grantor owns certain real property located at 222 Madison Avenue, Albany, New York, commonly known as the New York State Museum.

WHEREAS, Grantee seeks a permanent easement and right-of-way through and within 222 Madison Avenue, Albany, New York, for the purpose of locating, establishing, constructing, maintaining, repairing, and operating telecommunications facilities, and the right of ingress and egress in, from and to said easement, for the purpose of inspecting, maintaining, and repairing such facilities as shown on Exhibit A attached hereto and incorporated herein by reference.

In consideration of the mutual promises and obligations contained herein, the Grantor and Grantee hereby covenant and agree as follows:

1. **Grant of Easement.**

FOR GOOD AND VALUABLE CONSIDERATION, the receipt and sufficiency of which is hereby acknowledged, Grantor hereby grants unto Grantee its successors and assigns, a permanent easement and right-of-way through and within Grantor property, and as depicted on Exhibit A, for the purpose of locating, establishing, constructing, maintaining, repairing, and operating telecommunications facilities and the right of ingress and egress in, from and to said easement for the purpose of inspecting, maintaining and repairing such facilities.

The perpetual easement and right-of-way is hereby given and granted for the sole purpose of maintaining, repairing and operating telecommunications facilities.

Grantor further conveys a temporary easement for those areas necessary for the purposes of construction and installing said telecommunications facilities. The Grantee and its contractors shall name the Grantor and the State of New York as additional insureds on its commercial liability policy during the construction and installation period.

Grantor hereby expressly reserves and shall have the right to use and enjoy the property for itself, its successors, assigns, and permittees; the right at all times and for any purpose to go upon, across and recross and to use the said easement premises in a manner consistent with the existing nature of the property.

2. **Restoration.**

Upon completion of any repair or maintenance work contemplated hereunder, Grantee agrees to promptly restore the above-described property owned by Grantor to a condition equal or superior to that existing prior to exercising its rights under this easement. If and when Grantee makes any future repairs to the geothermal lines and/or allied facilities located on the above-

described property, Grantee shall expediently replace and restore any affected portion of the property to a condition equal or superior to that existing prior to the under-taking of such repairs and maintenance.

3. Indemnity.

Grantee hereby agrees to indemnify, defend, save and hold harmless the Grantor and the State of New York from any and all liability, loss or damage, Grantor may suffer as a result of any and all actions, claims, damages, costs and expenses on account of, or in any way arising out of or from this Agreement, including but not limited to indemnify and save and hold harmless Grantor from any and all losses, claims, actions or judgments for damages or injuries to persons or property arising out of or from, or caused by, the construction, operation, maintenance and use of the aforesaid easements and rights-of-way by Grantee or its agents. This indemnity shall continue so long as this Easement Agreement is in effect.

4. Binding Effect.

The rights and responsibilities set forth in this Agreement shall inure to and bind the parties hereto, their heirs, representatives, successors, and assigns and also constitute covenants running with the land.

5. Headings.

The headings in this Agreement are intended for convenience only and shall not be used to vary or interpret the intent of the text.

6. Recording.

Grantee shall, at its expense, record this Easement Agreement with the Albany County Clerk's Office, and shall provide Grantor with conformed copy of the recorded instrument, and provide executed originals of all documents to the New York State Office of General Services, General Counsel, Legal Services, 36th Fl., Corning Tower, Empire State Plaza, Albany, New York 12242. Such recording shall take place within five (5) business days of the execution of this Agreement.

IN WITNESS WHEREOF, the parties enter into this Easement Agreement this \_\_\_\_\_ day of \_\_\_\_\_, 2025.

GRANTOR:

COUNTY OF ALBANY

BY \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Date \_\_\_\_\_ :

GRANTEE:  
FIRSTLIGHT FIBER, INC.

BY: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Date: \_\_\_\_\_

STATE OF NEW YORK)  
COUNTY OF \_\_\_\_\_)

On this \_\_\_\_\_ day \_\_\_\_\_ of 2025, before me personally appeared \_\_\_\_\_, known to me to be the \_\_\_\_\_ that executed the within and foregoing instrument, and acknowledged the said instrument to be the free and voluntary act and deed of said for the uses and purposes therein mentioned, and on oath stated that s/he was authorized to execute said instrument.

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Notary Public

STATE OF NEW YORK)  
COUNTY OF \_\_\_\_\_)

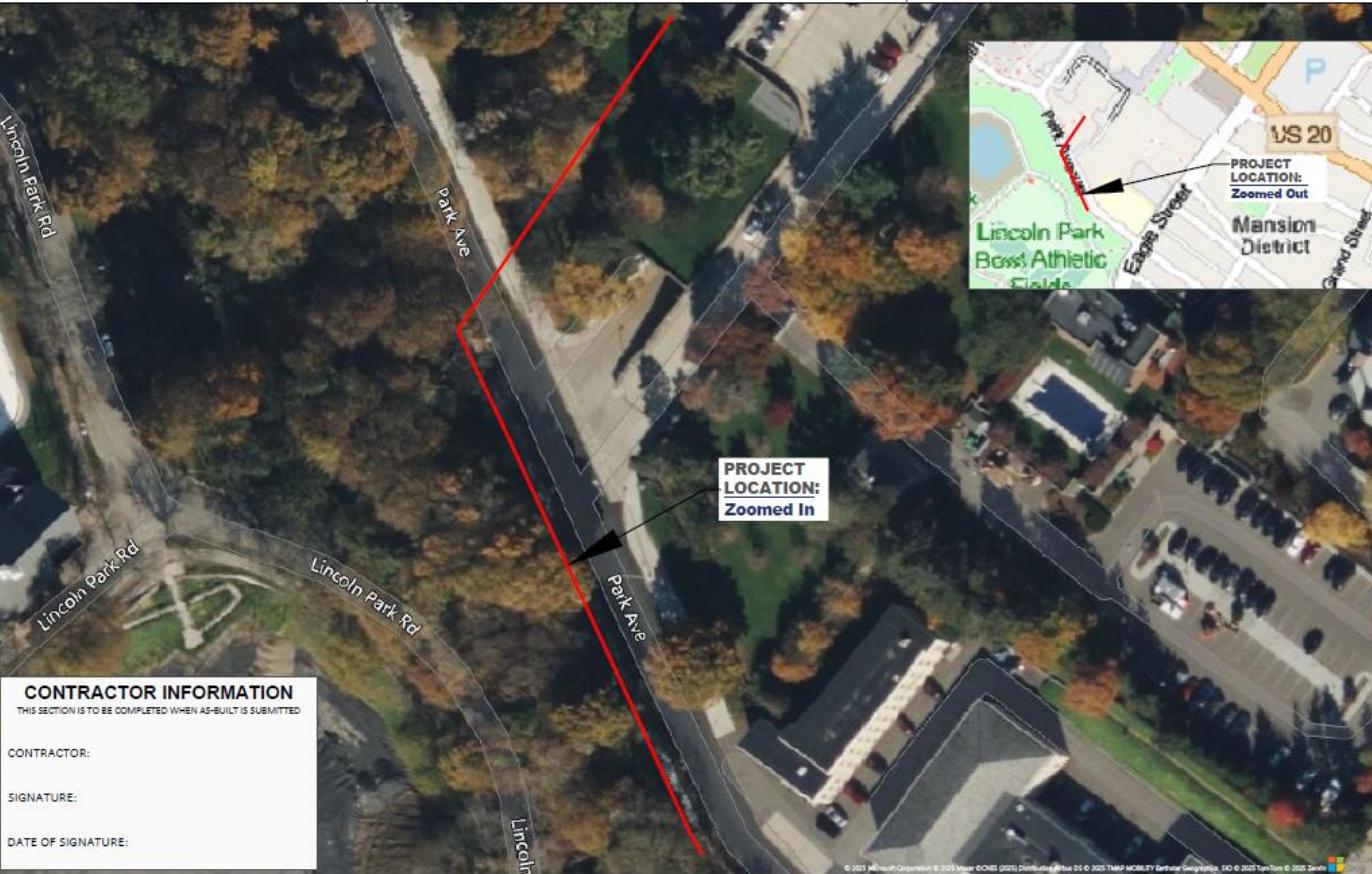
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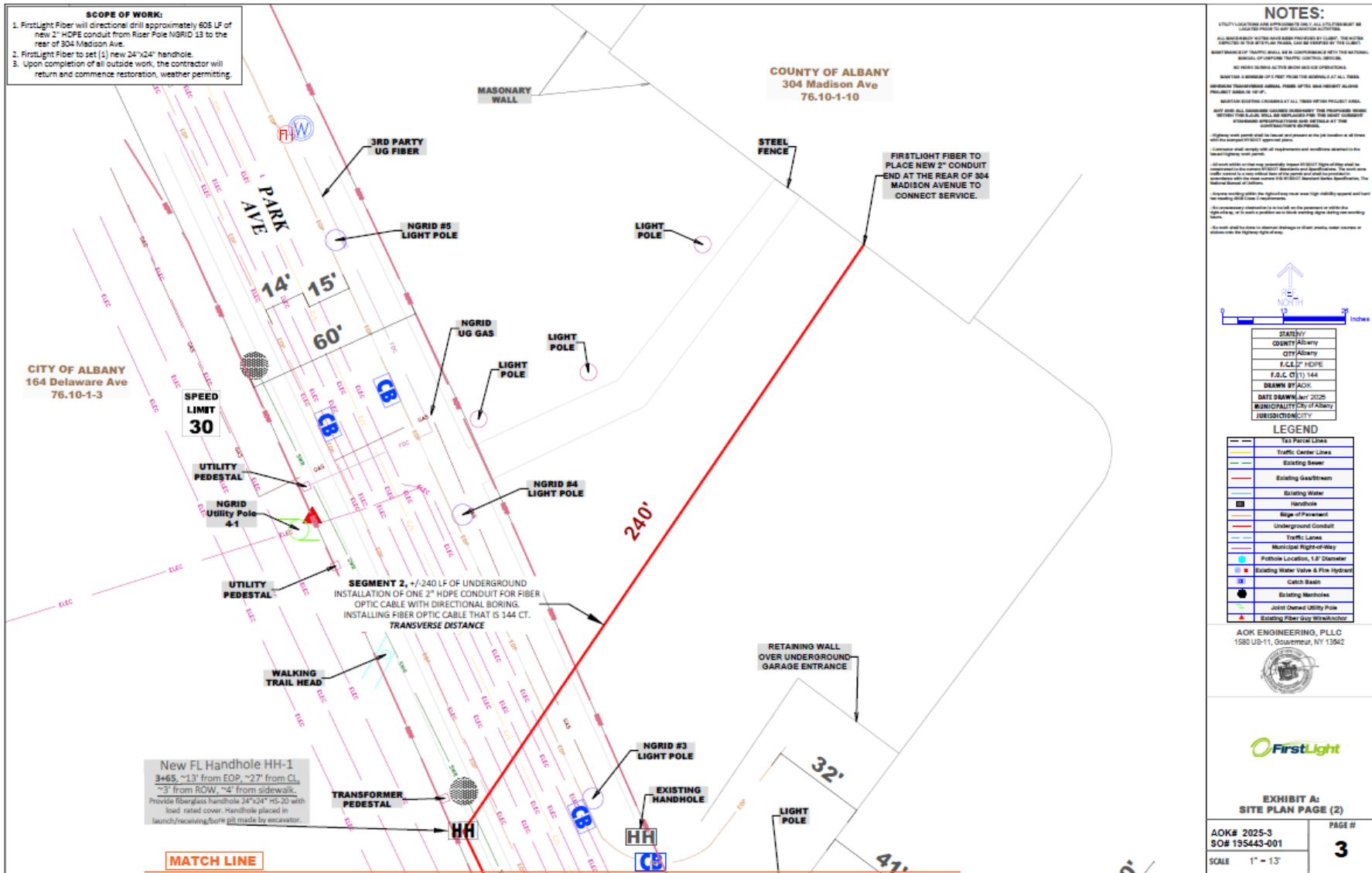
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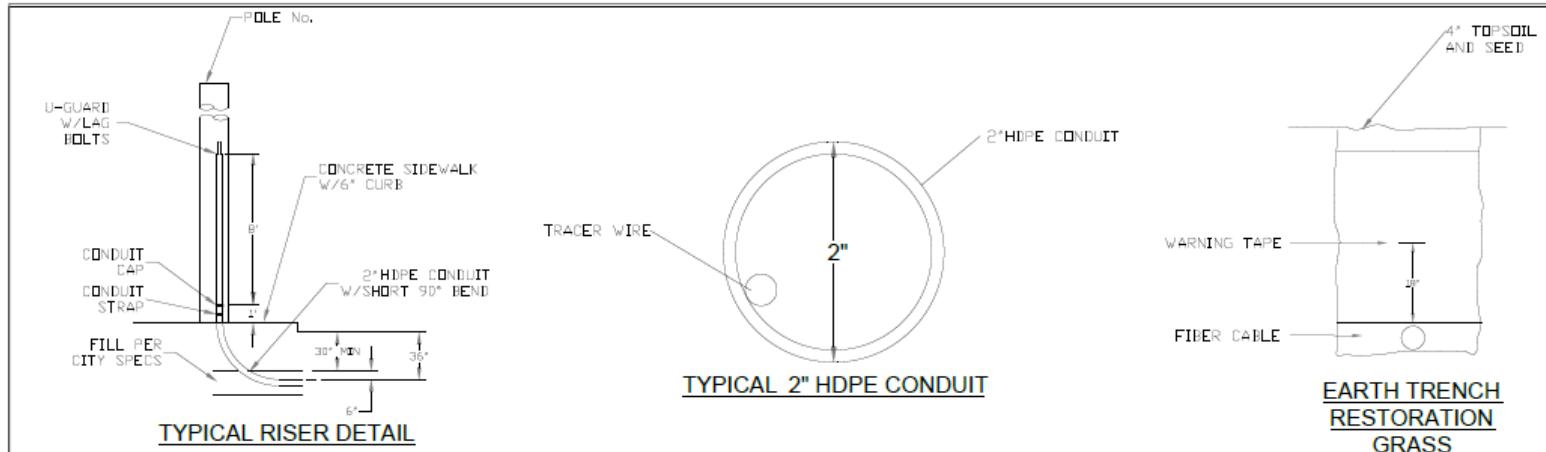
## EXHIBIT 'A'

### A PERMANENT EASEMENT FOR THE INSTALLATION AND MAINTENANCE OF TELECOMMUNICATIONS FACILITIES

<b>SCOPE OF WORK:</b> <ol style="list-style-type: none"> <li>Firstlight Fiber will directional drill approximately 605 LF of new 2" HDPE conduit from Riser Pole NGRID 13 to the rear of 304 Madison Ave.</li> <li>Firstlight Fiber to set (1) new 24"x24" handhole.</li> <li>Upon completion of all outside work, the contractor will return and commence restoration, weather permitting.</li> </ol>	<b>UNDERGROUND FIBER OPTIC PERMIT DRAWINGS</b> <b>PARK AVE &amp; MADISON AVE, ALBANY, NY</b> <b>ALBANY COUNTY</b>		<b>TABLE OF CONTENTS</b> <table border="1"> <tr> <td>Page #</td> <td>Page Description</td> </tr> <tr> <td>1</td> <td>Cover Page</td> </tr> <tr> <td>2-3</td> <td>Exhibit A: Site Plan Pages</td> </tr> <tr> <td>4</td> <td>Details Page</td> </tr> <tr> <td>5</td> <td>Underground Construction Details</td> </tr> <tr> <td>6</td> <td>Underground Details (2)</td> </tr> <tr> <td>7</td> <td>General Notes</td> </tr> </table>	Page #	Page Description	1	Cover Page	2-3	Exhibit A: Site Plan Pages	4	Details Page	5	Underground Construction Details	6	Underground Details (2)	7	General Notes	<b>NOTES</b> <ul style="list-style-type: none"> <li>All materials installed in the right-of-way and on land in accordance with the Local Standard Specification and Details to affect when issued. In instances where a Local Standard Specification is not available, the applicable New York State (NYS) DOT Standard Specification or Detail will be used.</li> <li>Information for all site plans show only the side of the road in which the proposed work is to take place.</li> <li>Please provide the municipality/borough/section with a copy of the As-Built drawings once project has been completed.</li> <li>Utility locations are approximate only, all utility must be located prior to any excavation activities.</li> <li>Proprietary information. Not for disclosure.</li> <li>All aerial imagery is from GSD Consulting.</li> </ul>			
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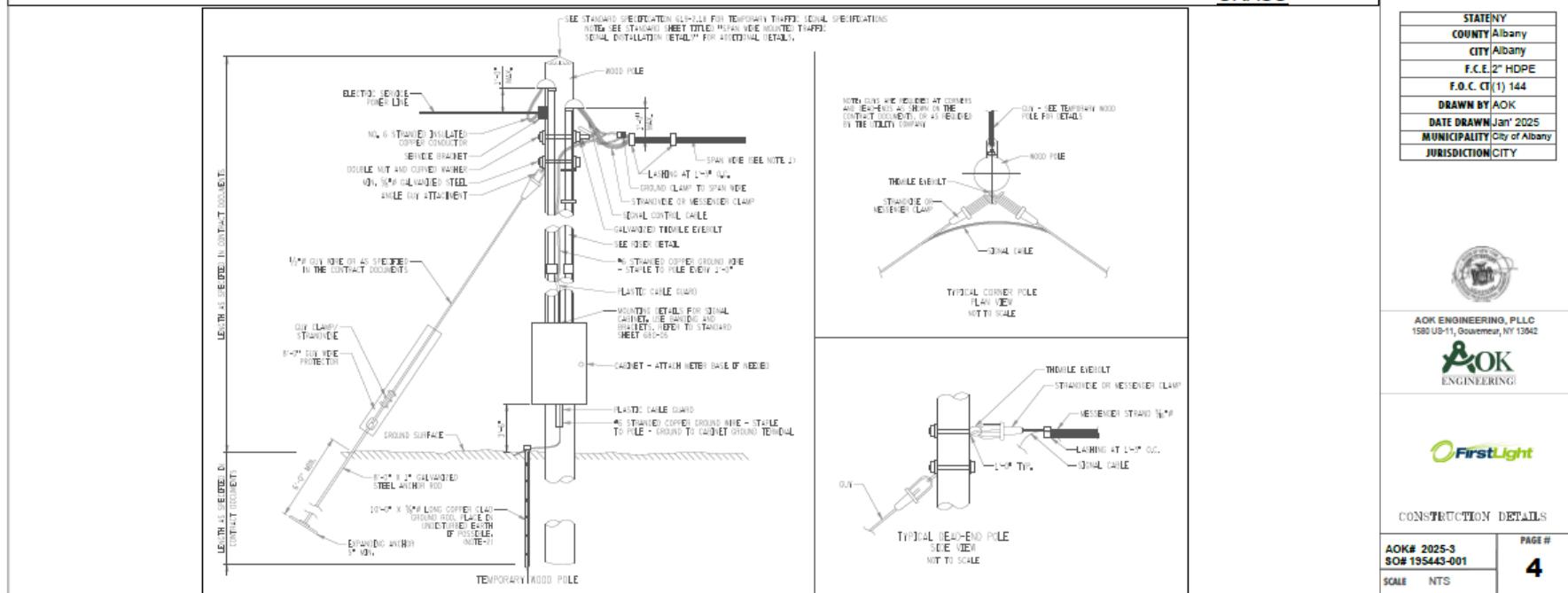


#### NOTES:

UTILITY LOCATIONS ARE APPROXIMATE ONLY. ALL UTILITIES  
MUST BE LOCATED PRIOR TO ANY EXCAVATION ACTIVITIES.  
MAINTAIN A MINIMUM OF 12" FROM THE PROPOSED LINE AT  
ALL TIMES. MAINTAIN EXISTING CROSSINGS AT ALL TIMES WITHIN  
PROJECT AREA.

ANY AND ALL DAMAGES CAUSED DURING THE PROPOSED  
WORK WITHIN THE ABOVE ARE THE RESPONSIBILITY OF THE  
CONTRACTOR. REFER TO THE CONTRACT FOR MORE  
CURRENT STANDARD SPECIFICATIONS AND DETAILS AT THE  
CONTRACTOR'S EXPENSE.

Handwritten or printed markings shall not be made by  
excavators. Refer to the notes on the drawings for all things.



STATE/NY
COUNTY Albany
CITY Albany
F.C.E. 2" HOPE
F.O.C. CT(1) 144
DRAWN BY AOK
DATE DRAWN Jan 2025
MUNICIPALITY City of Albany
JURISDICTION CITY



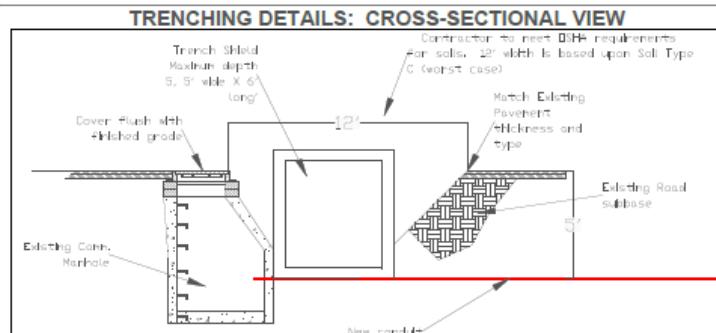
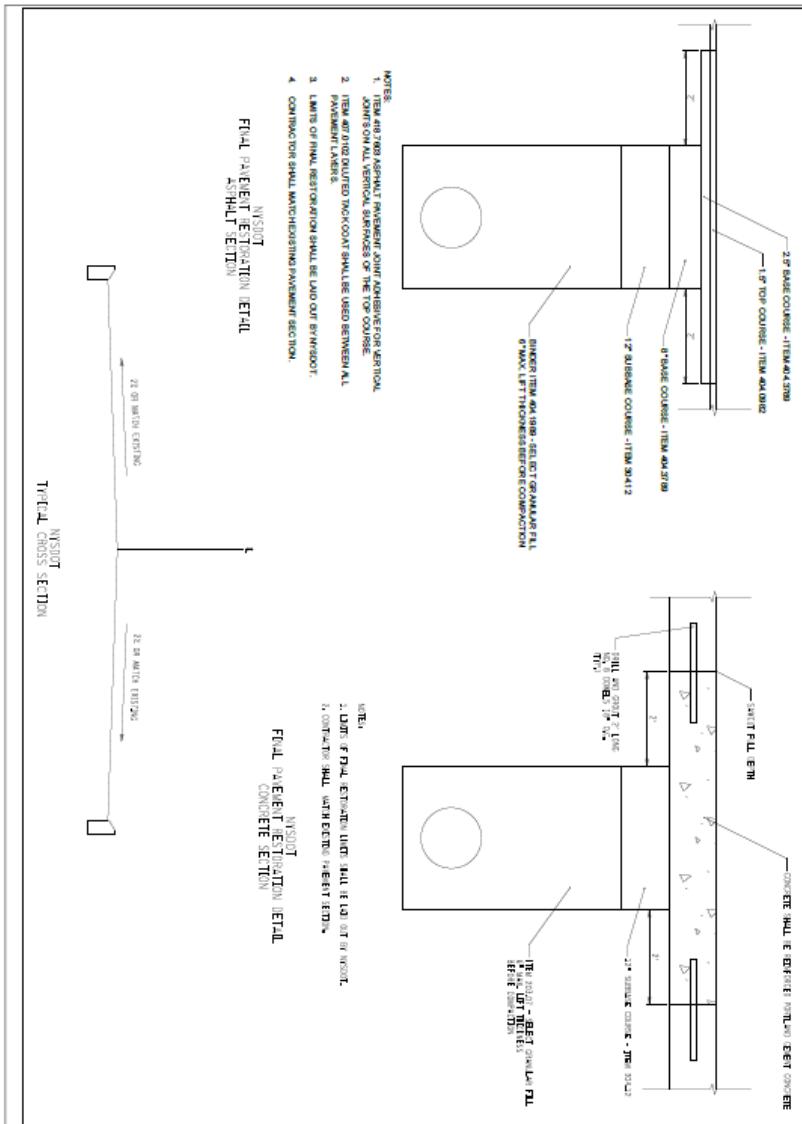
AOK ENGINEERING, PLLC  
1580 US-11, Gouverneur, NY 13642



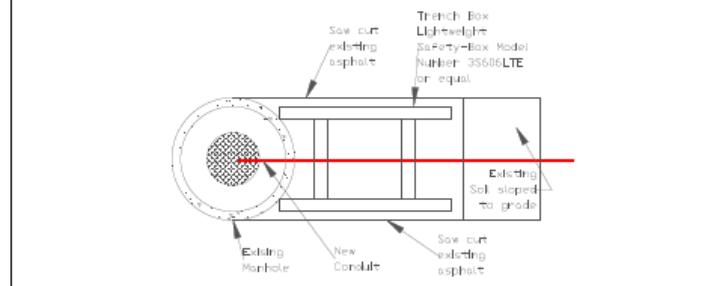
FirstLight

CONSTRUCTION DETAILS
AOK# 2025-3 SO# 195443-001 PAGE # 4 SCALE NTS





## TRENCHING: OVERVIEW DETAIL



#### **SEEDING AND MULCHING DETAILS FOR AREAS DISTURBED IN R.O.W.**

Repair all vegetative areas disturbed during construction. Level area to match existing slopes. Remove excess materials

Provide a minimum 4" thick Topsoil meeting NYSDOT  
610.1402 standard  
Seed: Apply 3 lbs per 1,000 SF NYSDOT  
610.1601 General Roadside Seed Mix standard

## NOTES:

UTILITY LOCATIONS ARE APPROXIMATE ONLY. ALL UTILITIES  
MUST BE LOCATED PRIOR TO ANY EXCAVATION ACTIVITIES.  
MAINTAIN A MINIMUM OF 5 FEET FROM THE SIDEWALK AT ALL  
TIMES. MAINTAIN EXISTING CROSSINGS AT ALL TIMES WITHIN  
PROJECT AREA.

- Handholes are placed in loose/treating pits made by excavators. Refer to the table, on the previous page, for pit sizes.

STATE	NY
COUNTY	Albany
CITY	Albany
F.C.E.	2 <sup>nd</sup> HDPE
F.O.C.	CT (1) 144
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DATE DRAWN	Jan 2025
MUNICIPALITY	City of Albany
JURISDICTION	CITY



AOK ENGINEERING, PLLC  
1580 118-11, Goshen, NY 13442



FirstLight

AOK# 2025-3

AOK# 2025-3  
SO# 195443-001

SCALE NTS

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PA

<p><b>GENERAL NOTES</b></p> <ol style="list-style-type: none"> <li>THE TYPICAL DETAILS DEPICTED ON THE STANDARD SHEETS AND IN THE MUTCD, REFLECT THE MINIMUM REQUIREMENTS.</li> </ol>	<ol style="list-style-type: none"> <li>THE ENGINEER MAY REQUIRE THAT ALL LANES BE RE-OPENED AT ANY TIME IF THE ROUTE IS NEEDED FOR EMERGENCY PURPOSES. THIS COULD INCLUDE INCIDENTS AT LOCATIONS OUTSIDE THE CONTRACT LIMITS.</li> </ol>	<p><b>NOTES:</b></p> <p>UTILITY LOCATIONS ARE APPROPRIATE ONLY. ALL UTILITIES MUST BE LOCATED PRIOR TO ANY EXCAVATION ACTIVITIES. MAINTAIN A MINIMUM OF 6 FEET FROM THE SIDEBRAK AT ALL TIMES. MAINTAIN EXISTING CROSSINGS AT ALL TIMES WITHIN PROJECT AREA.</p>
<ol style="list-style-type: none"> <li>THE CONTRACTOR MUST SUBMIT TO THE ENGINEER, IN WRITING, PROPOSED REVISIONS TO THE TRAFFIC CONTROL PLAN FOR REVIEW AND APPROVAL BY THE REGIONAL DIRECTOR OR HIS/HER DESIGNEE FIVE (5) WORK DAYS PRIOR TO THE PLANNED IMPLEMENTATION OF SUCH PROPOSED REVISIONS, EXCEPT FOR CHANGES THAT ALTER THE SCOPE OF THE TRAFFIC CONTROL PLAN, SUCH CHANGES IN SCOPE MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL BY THE REGIONAL DIRECTOR OR HIS/HER DESIGNEE THIRTY (30) WORKING DAYS PRIOR TO IMPLEMENTATION OF SUCH REVISIONS.</li> </ol>	<ol style="list-style-type: none"> <li>UNLESS AUTHORIZED BY THE ENGINEER, THE MINIMUM LANE WIDTHS FOR WORK ZONE TRAVEL LANES SHALL BE AS FOLLOWS: FREEWAYS AND/OR EXPRESSWAYS IS 11', THE MINIMUM LANE WIDTH FOR ALL OTHER TYPES OF ROADWAYS IS 10'.</li> </ol>	
<ol style="list-style-type: none"> <li>THE CONTRACTOR SHALL PROVIDE THE ENGINEER, IN WRITING, WITH THE NAMES, ADDRESSES, AND TELEPHONE NUMBERS OF STAFF WHO ARE AUTHORIZED TO SECURE LABOR, MATERIALS, AND EQUIPMENT FOR EMERGENCY REPAIRS OUTSIDE NORMAL WORKING HOURS. THE ENGINEER WILL PROVIDE THE SUBMITTED INFORMATION TO REGIONAL MANAGEMENT, THE NEW YORK STATE POLICE, THE RESIDENT ENGINEER, AND THE LOCAL POLICE.</li> </ol>	<ol style="list-style-type: none"> <li>THE CONTRACTOR SHALL PROVIDE A WRITTEN NOTICE TO THE ENGINEER, A MINIMUM OF 21 CALENDAR DAYS IN ADVANCE OF PERFORMING ANY WORK THAT RESULTS IN THE REDUCED WIDTH OF AN EXISTING ROADWAY, SO THAT THE ENGINEER MAY NOTIFY THE REGIONAL PERMIT ENGINEER IN A TIMELY MANNER.</li> </ol>	
<p><b>ACTIVITY AREA</b></p> <ol style="list-style-type: none"> <li>THE CONTRACTOR SHALL MAINTAIN A MINIMUM 500' LONGITUDINAL DISTANCE BETWEEN CONSTRUCTION OPERATIONS ON ALTERNATE SIDES OF THE ROADWAY, UNLESS OTHERWISE APPROVED BY THE ENGINEER.</li> <li>WHEN TWO OR MORE AREAS ARE ADJACENT, OVERLAP, OR ARE IN CLOSE PROXIMITY, THE CONTRACTOR SHALL ENSURE THERE ARE NO CONFLICTING SIGNS AND THAT LANE CONTINUITY IS MAINTAINED THROUGHOUT ALL WORK AREAS.</li> </ol>	<p><b>BARRIER/SHADOW VEHICLES</b></p> <ol style="list-style-type: none"> <li>BARRIER AND SHADOW VEHICLES SHALL BE REQUIRED AS PER STANDARD SHEET TITLED "WORK ZONE TRAFFIC CONTROL LEGEND AND TABLES".</li> <li>NO WORK ACTIVITY, EQUIPMENT, VEHICLES AND/OR MATERIALS SHALL BE LOCATED BETWEEN THE BARRIER OR SHADOW VEHICLE AND THE ACTIVE WORK AREA (ROLL AHEAD DISTANCE).</li> <li>THE CONTRACTOR MAY BE REQUIRED TO PROVIDE A BARRIER VEHICLE IN CONJUNCTION WITH POLICE PRESENCE IN THE WORK ZONE, TO BE INCLUDED IN THE UNIT BID PRICE FOR BASIC WORK ZONE TRAFFIC CONTROL.</li> </ol>	
<p><b>SIGNS</b></p> <ol style="list-style-type: none"> <li>THE LOCATIONS OF THE SIGNS SHOWN ON THE WORK ZONE TRAFFIC CONTROL PLANS AND DETAILS MAY BE ADJUSTED BASED ON SIGHT DISTANCE AND OTHER CONSIDERATIONS. THE FINAL LOCATIONS OF SIGNS ARE SUBJECT TO APPROVAL BY THE ENGINEER.</li> <li>ANY EXISTING SIGNS, INCLUDING OVERHEAD SIGNS, WHICH CONFLICT WITH THE TEMPORARY TRAFFIC CONTROL SIGN LAYOUT SHALL BE COVERED, REMOVED, STORED OR RESET, AS APPROVED BY THE ENGINEER. ALL APPROPRIATE EXISTING SIGNS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND/OR LOCATION UNLESS OTHERWISE REPLACED IN THIS CONTRACT.</li> <li>SIGNS AT OR NEAR INTERSECTIONS SHALL BE PLACED SO THAT THEY DO NOT OBSTRUCT A MOTORIST'S LINE OF SIGHT.</li> <li>ALL WARNING AND REGULATORY SIGNS SHALL BE POSTED ON BOTH SIDES OF MULTI-LANE DIVIDED HIGHWAYS, MULTI-LANE RAMPS, AND ONE-WAY STREETS. IN CASES WHERE LANE RESTRICTIONS REDUCE THE TRAVEL LANE TO ONE LANE, SIGNS SHALL BE POSTED ON THE RIGHT SIDE OF THE ACTIVE TRAVEL LANE, UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.</li> <li>SIGNS MOUNTED ON THE MEDIAN OF DIVIDED HIGHWAYS WHERE MEDIAN BARRIER IS IN PLACE MAY BE MOUNTED ON THE BARRIER WITH A SADDLE TYPE BRACKET. LAYING THE SIGN DOWN IN A HORIZONTAL POSITION IS NOT PERMITTED.</li> <li>THE DIMENSIONS OF WORK ZONE TRAFFIC CONTROL SIGNS ARE DESCRIBED IN THE MUTCD. ANY CHANGES TO THE DIMENSIONS SHALL BE APPROVED BY THE REGIONAL DIRECTOR OR BY HIS/HER DESIGNEE.</li> <li>NYR9-12 MAY BE USED IN PLACE OF NYR9-11.</li> </ol>	<p><b>STANDARD PLAN NOTES</b></p> <ol style="list-style-type: none"> <li>ROAD TO BE KEPT CLEAN OF MUD AND DEBRIS AT ALL TIMES.</li> <li>ROADSIDE DRAINAGE TO BE MAINTAINED AT ALL TIMES.</li> <li>MATERIALS, EQUIPMENT AND VEHICLES ARE NOT TO BE STORED OR PARKED WITHIN THE NEW YORK STATE RIGHT-OF-WAY.</li> </ol>	
<ol style="list-style-type: none"> <li>WHERE POSSIBLE ALL CHANNELIZING AND GUIDING DEVICES ARE TO BE PLACED SO AS TO PROVIDE A MINIMUM 2' LATERAL CLEARANCE TO THE TRAVELED WAY.</li> <li>DRUMS SHALL BE USED FOR ANY LANE CLOSURES OR SHOULDER CLOSURES WHICH ARE TO REMAIN OVERNIGHT</li> </ol>	<ol style="list-style-type: none"> <li>MAINTENANCE AND PROTECTION OF TRAFFIC MUST COMPLY WITH THE CURRENT NATIONAL MUTCD WITH NY'S SUPPLEMENT, SECTION 619 OF THE CURRENT NYSDOT STANDARD SPECIFICATIONS, THESE PLANS AND AS ORDERED BY THE ASSISTANT RESIDENT ENGINEER. ON A NYSDOT CONSTRUCTION PROJECT, MAINTENANCE AND PROTECTION OF TRAFFIC MUST COMPLY WITH THESE PLANS AND BE IN ACCORDANCE WITH THE NYSDOT CONTRACT DOCUMENTS AS DEEMED NECESSARY BY THE NY'S ENGINEER-IN-CHARGE.</li> <li>NOTIFY THE NYSDOT AT 718-438-2396 THREE (3) WORK DAYS PRIOR TO WORKING WITHIN THE STATE RIGHT-OF-WAY.</li> </ol>	
<p><b>PUBLIC ACCESS</b></p> <ol style="list-style-type: none"> <li>PROPERTY OWNERS WHOSE DRIVEWAYS WILL BE MADE INACCESSIBLE SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST 24 HOURS PRIOR TO RESTRICTING USE OF THE DRIVEWAY. FOR MULTIPLE ACCESS PROPERTIES, AT LEAST ONE DRIVEWAY SHALL BE OPEN AT ALL TIMES. ACCESS SHALL BE RESTORED TO ALL DRIVEWAYS AS SOON AS POSSIBLE.</li> <li>SUITABLE RAMPS SHALL BE INSTALLED TO MAINTAIN SMOOTH TRANSITIONS FROM RESIDENTIAL AND COMMERCIAL DRIVEWAYS TO AND FROM THE WORK AREA.</li> </ol>	<ol style="list-style-type: none"> <li>NOTIFY THE NYSDOT SIGNAL MAINTENANCE FACILITY AT (585) 753-7780 5 DAYS PRIOR TO WORKING WITHIN 350' OF A SIGNALIZED INTERSECTION. NOTIFY DIG SAFELY NEW YORK 2 WORK DAYS PRIOR TO DIGGING, DRILLING OR BLASTING AT 811 FOR A UTILITY STAKE-OUT.</li> <li>ALL MATERIALS USED WITHIN THE STATE RIGHT-OF-WAY MUST COMPLY WITH THE CURRENT NEW YORK STATE DEPARTMENT OF TRANSPORTATION SPECIFICATIONS ALONG WITH ANY APPROPRIATE CURRENT NYS DEPARTMENT OF TRANSPORTATION'S STANDARD SHEETS.</li> </ol>	
<p><b>LANE CLOSURES</b></p> <ol style="list-style-type: none"> <li>THE CONTRACTOR SHALL LOCATE LANE CLOSURES TO PROVIDE OPTIMUM VISIBILITY, I.E. BEFORE CURVES AND CRESTS, TO THE EXTENT CONDITIONS PERMIT.</li> </ol>	<ol style="list-style-type: none"> <li>QUALITY CONTROL OF ASPHALT CONCRETE SHALL MEET THE REQUIREMENTS OF SECTION 401 OF THE STANDARD SPECIFICATIONS. ALL ASPHALT PRODUCED AS PART OF SECTION 401 WILL BE PAID AT A FINAL QUANTITY ADJUSTMENT FACTOR OF 1.0. ASPHALT COURSE DEPTHS SHOWN ON THE PLANS ARE COMPACTED DEPTHS.</li> <li>NO NIGHT WORK SHALL BE ALLOWED UNLESS APPROVED PRIOR TO START OF PROJECT. ADDITIONAL MAINTENANCE AND PROTECTION OF TRAFFIC MAY BE REQUIRED INCLUDING THE ADDITION OF REFLECTIVE MATERIALS AND LIGHTING.</li> <li>HAZARDOUS WASTE NOTIFICATION - THE PERMITTEE ACCEPTS THE RIGHT-OF-WAY OF THE STATE HIGHWAY IN ITS "AS IS" CONDITION. THE DEPARTMENT OF TRANSPORTATION MAKES NO REPRESENTATION AS TO THE ABSENCE OF UNDERGROUND TANKS, STRUCTURES, FEATURES OR SIMILAR IMPEDIMENTS TO THE COMPLETION OF THE WORK PERMITTED HEREUNDER. SHOULD PERMITTEE FIND SOME PREVIOUSLY UNKNOWN UNDERGROUND IMPEDIMENTS TO THE COMPLETION OF THE WORK PERMITTED HEREUNDER, THE DEPARTMENT OF TRANSPORTATION SHALL HAVE NO OBLIGATION TO CURE, REMOVE, REMEDY OR OTHERWISE DEAL WITH SUCH PREVIOUSLY UNKNOWN UNDERGROUND IMPEDIMENTS. THE PERMITTEE IS REQUIRED TO REMOVE, MODIFY OR OTHERWISE DEAL WITH SUCH UNDERGROUND TANKS, STRUCTURES, FEATURES OR IMPEDIMENTS IN A MANNER WHICH MEETS ACCEPTABLE ENGINEERING PRACTICE AND IS APPROVED BY THE DEPARTMENT OF TRANSPORTATION.</li> <li>ADA COMPLIANCE - ALL WORK ON PEDESTRIAN FACILITIES SHALL BE COMPLIANT WITH THE AMERICANS WITH DISABILITIES ACT (ADA).</li> </ol>	<p><b>AOK ENGINEERING, PLLC</b> 1590 UD-11, Gouverneur, NY 13642</p> <p><b>FirstLight</b></p> <p><b>GENERAL NOTES</b></p> <p>AOK# 2025-3 S# 195443-001</p> <p>SCALE NTS</p>



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F.O.C.	CT (1) 144
DRAWN BY	AOK
DATE DRAWN	Jan' 2025
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JURISDICTION	CITY



**FirstLight**

**GENERAL NOTES**

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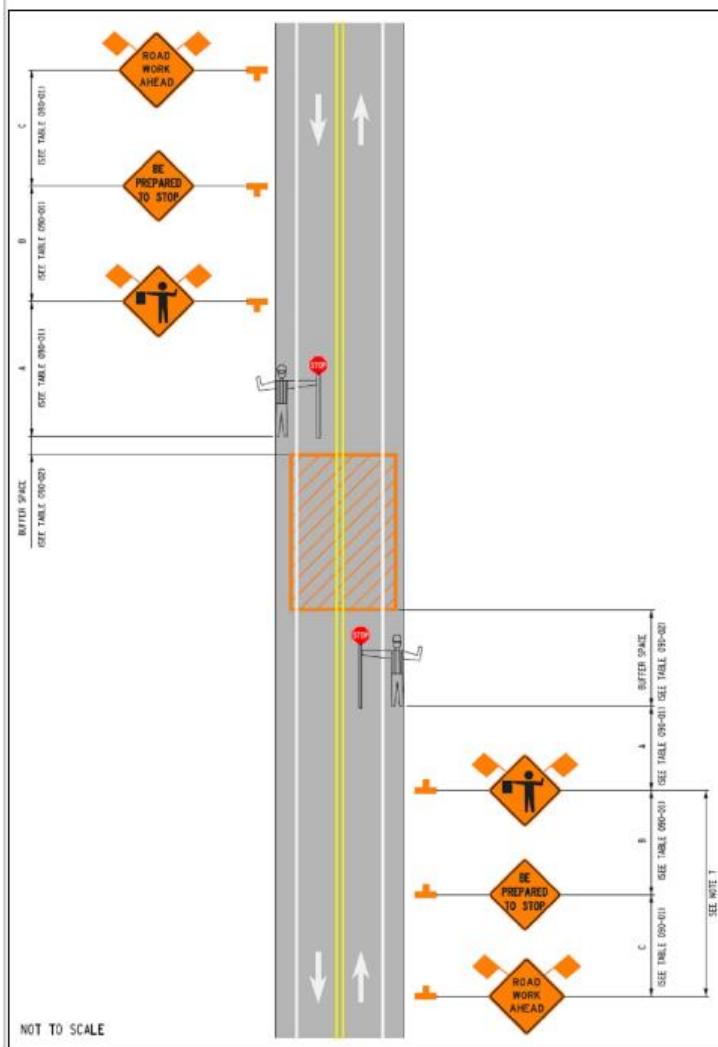


TABLE 090-01: ADVANCE WARNING SIGN SPACING

ROAD TYPE	DISTANCE BETWEEN SIGNS			SIGN LEGEND	
	A (FT.)	B (FT.)	C (FT.)	XX	YY
URBAN (≤ 30 MPH)	100	100	100	ROAD AHEAD	ROAD AHEAD
URBAN (35-40 MPH)	200	200	200	ROAD AHEAD	ROAD AHEAD
URBAN (41-45 MPH)	300	300	300	ROAD AHEAD	ROAD AHEAD
RURAL	500	500	500	ROAD AHEAD	ROAD AHEAD

\* PRECONSTRUCTION POSTED SPEED LIMIT

TABLE 090-02: LONGITUDINAL BUFFER SPACE

RECONSTRUCTION SPEED LIMIT (MPH)	DISTANCE (FT.) / # OF STOP LINES
45	155/74
50	205/75
55	255/75
60	305/75
65	355/75
70	405/75
75	455/75

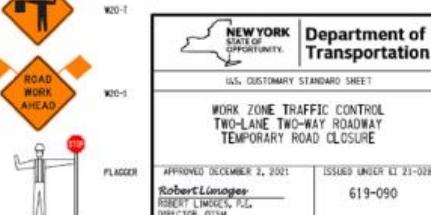
TABLE 090-03: REQUIRED SIGN SIZE\*

SIGN	NON-FREEWAY	FREEWAY
W3-4	36x36	48x48
W20-1	36x26	48x48
W20-2	36x36	48x48
WARNING FLAG	18x18	18x18

\*FREEWAY SIZES MAY BE USED ON NON-FREEWAY, IF SPACE CONSTRAINTS DO NOT EXIST.

NOTE 9

1. DURATION OF THE CLOSURE SHALL NOT EXCEED 5 MINUTES.
2. IN URBAN CONDITIONS, ADVANCE WARNING SIGN SPACINGS MAY BE ADJUSTED IN ORDER TO MAINTAIN SIGHT SEEN STREETS AND DRIVEWAYS. IF THERE IS A CONFLICT, MAINTAIN THE SIGN UPSTREAM.
3. FLASHER SYMBOL SIGN W20-7I AND "BE PREPARED TO STOP" W3-4 SHALL BE REMOVED, COVERED OR TURNED AWAY FROM ROAD USERS WHEN FLASHER OPERATIONS ARE NOT OCCURRING.
4. FOR MULTI LANE HIGHWAYS, A SITE SPECIFIC PLAN IS REQUIRED ILLUSTRATING PROPOSED STRATEGIES / SIGNAGE TO REDUCE THE ROAD TO A SINGLE LANE ON EACH APPROACH TO THE WORK AREA.
5. TRAFFIC IN BOTH DIRECTIONS WILL BE STOPPED FOR THE ENTIRE DURATION OF THE WORK. TRAFFIC WILL BE SUSPENDED DURING PERIODS OF POOR VISIBILITY AND DURING PEAK HOURS.
6. WORK SHOULD BE SCHEDULED DURING NON-PEAK HOURS.
7. DUE TO PLACEMENT OF ADVANCE WARNING SIGNS, CONSIDERATION NEEDS TO BE GIVEN TO THE EXPECTED FLUX OF TRAFFIC THAT NEEDS TO BE HELD AND DISTANCES B AND C INCREASED IF NEEDED.



NOTES:

UTILITY LOCATIONS ARE APPROXIMATE. ONLY UTILITIES MUST BE LOCATED PRIOR TO ANY EXCAVATION ACTIVITIES. MAINTAIN A MINIMUM OF 5 FEET FROM THE EXCAVATION AT ALL TIMES. MAINTAIN EXISTING CROSSINGS AT ALL TIMES WITHIN PROJECT AREA.

STATE	NY
COUNTY	Albany
CITY	Albany
F.C.E.	2" HDPE
F.O.C.	CT (1) 144
DRAWN BY	AOK
DATE DRAWN	Jan' 2025
MUNICIPALITY	City of Albany
JURISDICTION	CITY



AOK ENGINEERING, PLLC  
1580 US-11, Guilderland, NY 12084



TRAFFIC CONTROL  
[14a]

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**NOTES:**

UTILITY LOCATIONS ARE APPROXIMATE ONLY. ALL UTILITIES  
MUST BE LOCATED PRIOR TO THE ASSOCIATION ACTIVITIES.  
MANTAIN A MINIMUM OF 12 FT FROM THE BOUNDARY AT ALL  
TIMES. MANTAIN EXISTING CROSSINGS AT ALL TIMES WITHIN  
PROJECT AREA.

TABLE 307-01: ADVANCE WARNING SIGN SPACING

ROAD TYPE	DISTANCE BETWEEN SIGNS	SIGN LEGEND		
A (FT)	B (FT)	C (FT)	XX	YY
URBAN 16-30 MPH	100	100	100	AHEAD AHEAD
URBAN 35-40 MPH	200	200	200	AHEAD AHEAD
URBAN (2 45 MPH)	350	350	350	1000 FT AHEAD
RURAL	500	500	500	1500 FT 1000 FT

\* PRE-CONSTRUCTION POSTED SPEED LIMIT

TABLE 307-02: LONGITUDINAL BUFFER SPACE

PRE-CONSTRUCTION POSTED SPEED LIMIT (MPH)	LONGITUDINAL BUFFER SPACE (IN FEET) * OF SKIP LINES
25	155/4
30	200/5
35	250/6
40	305/8
45	360/9
50	425/11
55	490/13

TABLE 307-03: REQUIRED SIGN SIZES\*

SIGN	NON-FREEWAY	FREEWAY
W2-2	36x18	48x24
W2-4	36x36	48x48
W2-1	36x36	48x60
W2-4	36x36	48x48
W2-7	36x26	48x48
WARNING FLAG	38x18	38x18

\*FREEWAY SIZES MAY BE USED ON NON-FREEWAY, IF SPACE  
CONSTRAINTS DO NOT EXIST.

TABLE 307B-01: PROTECTIVE VEHICLE REQUIREMENTS

CLOSURE TYPE	ROAD TYPE & SPEED	NON-FREEWAY		
		≥ 45 MPH	35 - 40 MPH	≤ 30 MPH
LANE CLOSURE OR ENCROACHMENT	WORKERS ON FOOT OR WORK VEHICLE EXPOSED TO TRAFFIC	PW+TWA	PW+TWA	PW
	-NO WORKERS ON FOOT -NO WORK VEHICLE -EXPOSED TO TRAFFIC -OTHER HAZARDS EXPOSED (IE EQUIPMENT, MATERIALS, EXCAVATION)	PW+TWA	PW	SEE NOTE 2
SHOULDER CLOSURE OR ENCROACHMENT	WORKERS ON FOOT OR WORK VEHICLE EXPOSED TO TRAFFIC	PW+TWA	PW	PW
	-NO WORKERS ON FOOT -NO WORK VEHICLE -EXPOSED TO TRAFFIC -OTHER HAZARDS EXPOSED (IE EQUIPMENT, MATERIALS, EXCAVATION)	PW+TWA	PW	SEE NOTE 2

LEGEND

PW - PROTECTIVE VEHICLE LIGHT (MINIMUM GROSS WEIGHT 9,500 LBS. OR GREATER SEE NOTE 4)  
PW+ - PROTECTIVE VEHICLE HEAVY (MINIMUM GROSS WEIGHT 22,000 LBS. OR GREATER)  
TWA - TRUCK/TRAILER MOUNTED IMPACT ATTENUATOR

NOTES:  
1. THE EXPOSURE CONDITIONS ASSUME THERE IS NO POSITIVE PROTECTION PRESENT.

2. EITHER A PROTECTIVE LIGHT (PW) OR THE STANDARD BUFFER SPACE (SEE TABLE 301-03)  
SHALL BE PROVIDED.

3. TRUCK/TRAILER MOUNTED IMPACT ATTENUATORS (TMA) SHALL NOT BE MOUNTED/INSTALLED  
DIRECTLY ON A TRAILER. THE WEIGHT OF THE ATTENUATOR IS GROSS LESS THAN WHAT IS NOMINALLY  
REQUIRED BY THE MANUFACTURER OF THE TWA.

4. THE USE OF A PROTECTIVE VEHICLE LIGHT (PW) AS A SHADOW VEHICLE IS LIMITED TO  
NON-FREEWAY ROADWAYS WHERE THE POSTED SPEED LIMIT IS ≥ 40 MPH UNLESS  
OTHERWISE AUTHORIZED BY THE ENGINEER.

TABLE 307B-02: ROLL AHEAD DISTANCE FOR PROTECTIVE VEHICLES

PRE-CONSTRUCTION POSTED SPEED LIMIT MPH	ROLL AHEAD DISTANCE (FT) * OF SKIP LINES FOR VEHICLES		
	STATIONARY OPERATION	PROTECTIVE VEHICLES WEIGHING 9,500 TO 21,000 LBS. GAW	PROTECTIVE VEHICLES WEIGHING 22,000 LBS. OR GREATER GAW
45 - 55	160/4	120/3	
60-70	180/3	90/2	

STATE	NY
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CITY	Albany
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1580 US-11, Guilderland, NY 12042



Department of  
Transportation

U.S. CUSTOMARY STANDARD SHEET

WORK ZONE TRAFFIC CONTROL  
TWO-LANE TWO-WAY ROADWAY  
LANE CLOSURE WITH FLAGGERS  
SHORT TERM OPERATION  
(SHEET 2 OF 2)

APPROVED DECEMBER 2, 2021 ISSUED UNDER EI 21-028

Robert L. Munoz  
ROBERT L. MUNOZ, P.E.  
DIRECTOR, OTSM

619-307

TRAFFIC CONTROL  
PLAN

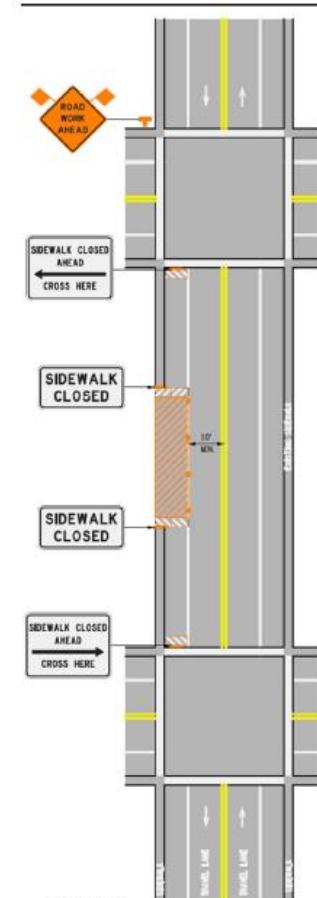
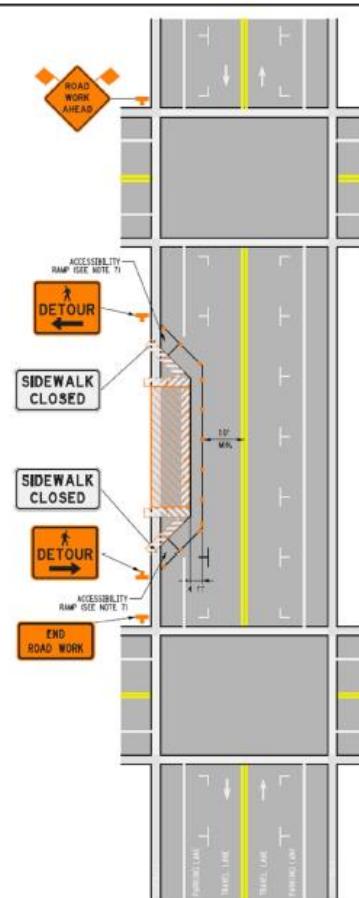
AOK# 2025-3  
SO# 195443-001

PAGE #

SCALE NTS

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 <p style="text-align: center;"><b>SIDEWALK DETOUR</b></p>	 <p style="text-align: center;"><b>SIDEWALK DIVERSION</b></p>																																								
<p><b>NOTES:</b></p> <p>1. SHORT-TERM STATIONARY IS DAYTIME WORK THAT OCCUPIES A LOCATION FOR MORE THAN 1 HOUR WITHIN A SINGLE DAYLIGHT PERIOD.</p> <p>2. ANY SIDEWALK DIVERSION MUST BE ADA COMPLIANT AND FOLLOW THE PUBLIC WORKS-OF-MAY ACCESSIBILITY GUIDELINES (PROWAG). TEMPORARY RAMPS AND OTHER TEMPORARY PEDESTRIAN FACILITIES SHALL BE PAID FOR UNDER THE APPROPRIATE ITEM FOR ASPHALT SIDEWALKS.</p> <p>3. PROWAG SECTION 2005 AND MATED PART 6 SHALL APPLY TO ALL CONSTRUCTED TEMPORARY ALTERNATIVE PEDESTRIAN ROUTES.</p> <p>4. ONLY THE WORK ZONE TRAFFIC CONTROL DEVICES RELATED TO PEDESTRIANS ARE SHOWN; OTHER DEVICES, SUCH AS VEHICULAR TRAFFIC, ARE NOT SHOWN.</p> <p>5. TYPE III BARRICADES SHALL BE THE FULL WIDTH OF THE PATH BEING CLOSED.</p> <p>6. ACCESS TO BUSINESS ENTRANCES AND TRANSIT STOPS WILL NEED TO BE MAINTAINED. IF THE PEDESTRIAN FACILITY CURRENTLY HAS A TRANSIT STOP THAT WILL BE AFFECTED BY THE WORK ZONE, PRACTITIONERS SHOULD CONSULT THE TRANSIT AUTHORITIES THAT SERVICE THE AFFECTED STOP TO DETERMINE HOW TO ACCOMMODATE THE STOP.</p> <p>7. THE GRADE (RUNNING SLOPE) OF A TEMPORARY CURB RAMP FOR DESIGN AND LAYOUT SHALL BE A MAXIMUM OF 1.5%. THE GRADE FOR ADA ACCESSIBILITY AND WORK ACCEPTANCE SHALL BE A MAXIMUM OF 1.5%.</p>																																									
<p><b>TABLE 321-02c CHANNELIZING DEVICE APPLICATION FOR SHORT-TERM STATIONARY WORK ZONES</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">WORK ZONE PROVISIONS</th> <th rowspan="2">CHANNELIZING DEVICE SPACING</th> <th colspan="6">CHANNELIZING DEVICE</th> </tr> <tr> <th>DRAWS</th> <th>STANDING CONES</th> <th>TALL CONES</th> <th>EXTRA TALL CONES</th> <th>TEMPORARY TUBULAR MARKERS</th> <th>INHERIT</th> <th>REFLECTIVE VERTICAL PANELS</th> <th>REFLECTIVE VERTICAL PANELS</th> <th>TYPE II BARRICADES</th> <th>TYPE III BARRICADES</th> </tr> </thead> <tbody> <tr> <td>SHOR-TERM IS STATIONARY WORK ZONES INVOLVING A LOCATION THAT OCCUPIES A LOCATION FOR MORE THAN 1 HOUR WITHIN A SINGLE DAYLIGHT PERIOD.</td> <td>26 FT.</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>SHOULDER/MERGING/SHOOTING TAPERS</td> <td></td> </tr> </tbody> </table> <p>NOTES: X = ALLOWED; BLANK = NOT ALLOWED</p>		WORK ZONE PROVISIONS	CHANNELIZING DEVICE SPACING	CHANNELIZING DEVICE						DRAWS	STANDING CONES	TALL CONES	EXTRA TALL CONES	TEMPORARY TUBULAR MARKERS	INHERIT	REFLECTIVE VERTICAL PANELS	REFLECTIVE VERTICAL PANELS	TYPE II BARRICADES	TYPE III BARRICADES	SHOR-TERM IS STATIONARY WORK ZONES INVOLVING A LOCATION THAT OCCUPIES A LOCATION FOR MORE THAN 1 HOUR WITHIN A SINGLE DAYLIGHT PERIOD.	26 FT.	X	X	X	X		X	X	X		SHOULDER/MERGING/SHOOTING TAPERS										
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<p><b>END ROAD WORK</b> G20-2 THIS SIGN SHALL BE LOCATED A MINIMUM DISTANCE OF 80 FT. AND MAXIMUM OF 400 FT. FROM THE END OF THE DOWNSTREAM TAPER.</p> <p><b>ROAD WORK AHEAD</b> R20-2</p> <p><b>WORK AREA</b></p> <p><b>SIDEWALK CLOSED AHEAD</b> R9-1L</p> <p><b>SIDEWALK CLOSED AHEAD</b> R9-1R</p> <p><b>DETOUR</b> M4-9L</p> <p><b>DETOUR</b> M4-9R</p> <p><b>THRU TRAFFIC</b> E9-1</p> <p><b>WARNING FLAG</b> 18x18 18x18</p> <p>*FREEWAY SIZES MAY BE USED ON NON-FREEWAY, IF SPACE CONSTRAINTS DO NOT EXIST.</p> <p>**SEEDS MAY FOR FREEWAY USE.</p>																																									
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<p><b>NEW YORK STATE DEPARTMENT OF TRANSPORTATION</b> U.S. CUSTOMARY STANDARD SHEET</p> <p><b>WORK ZONE TRAFFIC CONTROL TWO-LANE TWO-WAY ROADWAY SIDEWALK DETOUR/DIVERSION SHORT TERM OPERATION</b></p> <p>APPROVED DECEMBER 2, 2021 ISSUED UNDER E1-21-028</p> <p>ERWATA 1 EEF, 05/01/2023 ISSUED WITH E9-23-007</p> <p>Robert L. Lamont, P.E. DIRECTOR, OTSM</p> <p>615-321</p>																																									
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