



GENESEE COUNTY PLANNING BOARD REFERRALS NOTICE OF FINAL ACTION

GCDP Referral ID

V-01-COR-07-24

Review Date

7/11/2024

Municipality
Board Name
Applicant's Name
Referral Type
Variance(s)
Description:

CORFU, V.

PLANNING BOARD

Erika Lopez

Special Use Permit

Special Use Permit and Site Plan Review to authorize the property to be used as a religious use (Outpour Ministries), operated one day a week with less than 100 people.

Location
Zoning District

47-49 W. Main St. (NYS Rt. 33), Corfu

Neighborhood Business (NB) District

PLANNING BOARD RECOMMENDS:

APPROVAL WITH MODIFICATION(S)

EXPLANATION:

The required modifications are 1) that the final plan show the locations of any proposed off-street parking, loading, and stacking areas and their landscaping and setbacks from adjacent properties to demonstrate compliance with Section 403-A of the Village of Corfu zoning law, and; 2) the applicant obtain a driveway permit from NYS DOT before final approval. With these required modifications, the proposed development should pose no significant county-wide or inter-community impact. It is recommended that the applicant submit an updated application to the Village Planning Board detailing the proposed hours of operation of all principal and accessory uses, so the intensity of the proposed use is clearly defined and established.

Senior Planner

July 11, 2024

Date

If the County Planning Board disapproved the proposal, or recommends modifications, the referring agency shall NOT act contrary to the recommendations except by a vote of a majority plus one of all the members and after the adoption of a resolution setting forth the reasons for such contrary action. Within 30 days after the final action the referring agency shall file a report of final action with the County Planning Board. An action taken form is provided for this purpose and may be obtained from the Genesee County Planning Department.

SEND OR DELIVER TO:

GENESEE COUNTY DEPARTMENT OF PLANNING
3837 West Main Street Road
Batavia, NY 14020-9404
Phone: (585) 815-7901

DEPARTMENT USE ONLY:

GCDP Referral # V-01-COR-07-24



*** GENESEE COUNTY *
PLANNING BOARD REFERRAL**

RECEIVED
Genesee County
Dept. of Planning
7/2/2024

Required According to:
GENERAL MUNICIPAL LAW ARTICLE 12B, SECTION 239 L, M, N
(Please answer ALL questions as fully as possible)

1. REFERRING BOARD(S) INFORMATION

Board(s) Village of Corfu Planning Board
Address 116 E. Main St.
City, State, Zip Corfu
Phone (716) 208 - 2540 Ext. _____

2. APPLICANT INFORMATION

Name Erika Lopez
Address 8495 Stringham Dr.
City, State, Zip Batavia, NY 14020
Phone (716) 237 - 0214 Ext. _____ Email outpourproject@gmai.com

MUNICIPALITY: City Town **Village** of Corfu

3. TYPE OF REFERRAL: (Check all applicable items)

- | | | |
|--|--|--------------------------------------|
| <input type="checkbox"/> Area Variance | <input type="checkbox"/> Zoning Map Change | Subdivision Proposal |
| <input type="checkbox"/> Use Variance | <input type="checkbox"/> Zoning Text Amendments | <input type="checkbox"/> Preliminary |
| <input checked="" type="checkbox"/> Special Use Permit | <input type="checkbox"/> Comprehensive Plan/Update | <input type="checkbox"/> Final |
| <input type="checkbox"/> Site Plan Review | <input type="checkbox"/> Other: _____ | |

4. LOCATION OF THE REAL PROPERTY PERTAINING TO THIS REFERRAL:

A. Full Address 47-49 W. Main St, Corfu NY
B. Nearest intersecting road Rt 77 & Rt 33
C. Tax Map Parcel Number 7.-1-11
D. Total area of the property 7.20 Area of property to be disturbed _____
E. Present zoning district(s) NB

5. REFERRAL CASE INFORMATION:

A. Has this referral been previously reviewed by the Genesee County Planning Board?
 NO YES If yes, give date and action taken _____
B. Special Use Permit and/or Variances refer to the following section(s) of the present zoning ordinance and/or law
Special Use Permit
C. Please describe the nature of this request _____

6. ENCLOSURES – Please enclose copy(s) of all appropriate items in regard to this referral

- | | | |
|---|--|--|
| <input type="checkbox"/> Local application | <input type="checkbox"/> Zoning text/map amendments | <input type="checkbox"/> New or updated comprehensive plan |
| <input checked="" type="checkbox"/> Site plan | <input type="checkbox"/> Location map or tax maps | <input type="checkbox"/> Photos |
| <input type="checkbox"/> Subdivision plot plans | <input type="checkbox"/> Elevation drawings | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> SEQR forms | <input type="checkbox"/> Agricultural data statement | |

7. CONTACT INFORMATION of the person representing the community in filling out this form (required information)

Name Kyle Wruck Title Planning Board Phone (716) 208 - 2540 Ext. _____
Address, City, State, Zip 116 E. Main St, Corfu NY 14036 Email kylewruck@yahoo.com

A

Genesee County Department of Planning
3837 West Main Street Road
Batavia, NY 14020-9404
Felipe.Oltramari@co.genesee.ny.us
(585) 815-7901
Visit our website: www.co.genesee.ny.us/departments/planning

From: Code Enforcement <codeenforcement@corfuny.gov>
Sent: Thursday, February 1, 2024 1:35 PM
To: Felipe Oltramari <Felipe.Oltramari@co.genesee.ny.us>
Cc: Jennifer Eck <clerk@corfuny.com>; Thomas Sargent <tsargent@corfuny.gov>; Mark Zimmermann <josephpaulzim55@gmail.com>
Subject: Site review Village of Corfu

47-49 West Main st Corfu, Mark Zimmerman has talked to you in regards to another Site review of this property which was Randy's Bistro now it is going to become Outpour Ministries. Randy's was an A2 category and the Ministry is an A3. The Trustees for the Village of Corfu have reviewed your recommendation for Randy's need to be put forth and implemented, they never were completed because Randy's never transpired. With a change of categories from an A2 to a A3 it would be necessary for a change of occupancy according to BCNY 303 and EBCNY and chapter 10. also complies with EBCNY 305.4.2.

The Village of Corfu Trustees would review your recommendations and put it to a vote to make the changes necessary to ensure a safe environment to benefit the Village and a new business. Change of occupancy is needed from a bistro to a ministry held one day a week and under 100 people occupancy. If a site review is requested would there be any different recommendations other than what is already in place? I fell that a site review at this time would be wasted resources and wasted money for the Village of Corfu to accrue.

Thank you for your time on this matter, looking forward to your response.
Sincerely Robin Johnson

NOTICE: Village of Corfu email addresses have been migrated to a new email system. Please ensure that your address book has been updated to use our new corfuny.gov email address format instead of corfuny.com. NOTICE: The information contained in this message and any documents, files, previous messages or other information attached are intended for the recipient only and may be protected from disclosure. If the reader of this message is not the intended recipient(s), you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by replying to the message and deleting it from your computer. NOTICE: The information contained in this message and any documents, files, previous messages or other information attached are intended for the recipient only and may be protected from disclosure. If the reader of this message is not the intended recipient(s), you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by replying to the message and deleting it from your computer.

SITE PLAN REVIEW APPLICATION

APPLICATION page 1,

Address of Proposed development: 47 W. Main St

Tax Map ID: Section _____ Block _____ Lot _____

Current Zoning: _____

Current Land use and existing Structures: _____

Applicant Name: Outpour ministries Phone: 716 2370214

Email: outpourproject@gmail.com Address: 47 W Main St

Proposed Site Use (s): Include primary and secondary uses if necessary. Include details of all proposed buildings, number of units, parking spaces, loading zones etc.

Construction Information:

Anticipated construction time: n/A

Staged development details: _____

Estimated cost of improvements: _____

Estimated number of residents, shoppers, employees, etc. _____

Site Development: (As required) Layout sketch, Landscaping, grading, buffer zones, architectural drawings, floor plans, elevations, sections, open space, engineering plans, engineering feasibility study, street improvements, storm drainage, water supply, sanitary sewer facilities, fire protection, traffic circulation, parking, loading, walkways, environmental, wetlands, signs (dimensions). See Corfu Law Section 708.

Additional Forms: (As required) SEQR form _____
County Referral form _____
Special use Permit _____
D.O.T. actions _____

Short Environmental Assessment Form

Part 1 - Project Information

Instructions for Completing

Part 1 - Project Information. The applicant or project sponsor is responsible for the completion of Part 1. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification. Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information.

Complete all items in Part 1. You may also provide any additional information which you believe will be needed by or useful to the lead agency; attach additional pages as necessary to supplement any item.

| | | | | |
|--|--------|------------|---|--|
| Part 1 - Project and Sponsor Information | | | | |
| Hub & Distribution Center | | | | |
| Name of Action or Project: | | | | |
| Outpour ministries | | | | |
| Project Location (describe, and attach a location map): | | | | |
| the 47 W. Main St Corfu NY | | | | |
| Brief Description of Proposed Action: | | | | |
| Food Distribution Center Prayer, Worship, Equipp | | | | |
| Name of Applicant or Sponsor: | | Telephone: | | |
| Address: | | E-Mail: | | |
| Erika Lopez | | | | |
| City/PO: | State: | Zip Code: | | |
| Batavia | NY | 14020 | | |
| 1. Does the proposed action only involve the legislative adoption of a plan, local law, ordinance, administrative rule, or regulation? If Yes, attach a narrative description of the intent of the proposed action and the environmental resources that may be affected in the municipality and proceed to Part 2. If no, continue to question 2. | | | NO <input type="checkbox"/> | YES <input checked="" type="checkbox"/> |
| 2. Does the proposed action require a permit, approval or funding from any other governmental Agency? If Yes, list agency(s) name and permit or approval: | | | NO <input checked="" type="checkbox"/> | YES <input type="checkbox"/> |
| 3.a. Total acreage of the site of the proposed action? _____ acres | | | | |
| b. Total acreage to be physically disturbed? _____ acres | | | | |
| c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? _____ acres | | | | |
| 4. Check all land uses that occur on, adjoining and near the proposed action. | | | | |
| <input type="checkbox"/> Urban <input type="checkbox"/> Rural (non-agriculture) <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Residential (suburban) | | | | |
| <input type="checkbox"/> Forest <input type="checkbox"/> Agriculture <input type="checkbox"/> Aquatic <input type="checkbox"/> Other (specify): _____ | | | | |
| <input type="checkbox"/> Parkland | | | | |

| | | | | |
|---|--|-------------------------------------|-------------------------------------|--------------------------|
| 5. Is the proposed action, | | NO | YES | N/A |
| a. A permitted use under the zoning regulations? | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b. Consistent with the adopted comprehensive plan? | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 6. Is the proposed action consistent with the predominant character of the existing built or natural landscape? | | NO | YES | |
| | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 7. Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area? | | NO | YES | |
| If Yes, identify: _____ | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 8. a. Will the proposed action result in a substantial increase in traffic above present levels? | | NO | YES | |
| | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| b. Are public transportation service(s) available at or near the site of the proposed action? | | <input type="checkbox"/> | <input type="checkbox"/> | |
| c. Are any pedestrian accommodations or bicycle routes available on or near site of the proposed action? | | <input type="checkbox"/> | <input type="checkbox"/> | |
| 9. Does the proposed action meet or exceed the state energy code requirements? | | NO | YES | |
| If the proposed action will exceed requirements, describe design features and technologies: _____ | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 10. Will the proposed action connect to an existing public/private water supply? | | NO | YES | |
| If No, describe method for providing potable water: _____ | | <input type="checkbox"/> | <input type="checkbox"/> | |
| 11. Will the proposed action connect to existing wastewater utilities? | | NO | YES | |
| If No, describe method for providing wastewater treatment: _____ | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 12. a. Does the site contain a structure that is listed on either the State or National Register of Historic Places? | | NO | YES | |
| | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| b. Is the proposed action located in an archeological sensitive area? | | <input type="checkbox"/> | <input type="checkbox"/> | |
| 13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency? | | NO | YES | |
| | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody? | | <input type="checkbox"/> | <input type="checkbox"/> | |
| If Yes, identify the wetland or waterbody and extent of alterations in square feet or acres: _____ | | | | |
| 14. Identify the typical habitat types that occur on, or are likely to be found on the project site. Check all that apply: | | | | |
| <input type="checkbox"/> Shoreline <input type="checkbox"/> Forest <input type="checkbox"/> Agricultural/grasslands <input type="checkbox"/> Early mid-successional <input type="checkbox"/> Wetland <input type="checkbox"/> Urban <input checked="" type="checkbox"/> Suburban | | | | |
| 15. Does the site of the proposed action contain any species of animal, or associated habitats, listed by the State or Federal government as threatened or endangered? | | NO | YES | |
| | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 16. Is the project site located in the 100 year flood plain? | | NO | YES | |
| | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 17. Will the proposed action create storm water discharge, either from point or non-point sources? | | NO | YES | |
| If Yes, | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| a. Will storm water discharges flow to adjacent properties? <input type="checkbox"/> NO <input type="checkbox"/> YES | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)? | | | | |
| If Yes, briefly describe: <input type="checkbox"/> NO <input type="checkbox"/> YES | | | | |

| | | |
|--|---------------------|-----|
| 18. Does the proposed action include construction or other activities that result in the impoundment of water or other liquids (e.g. retention pond, waste lagoon, dam)? If Yes, explain purpose and size: _____ _____ | NO | YES |
| 19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste management facility? If Yes, describe: _____ _____ | NO | YES |
| 20. Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste? If Yes, describe: _____ _____ | NO | YES |
| I AFFIRM THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE | | |
| Applicant/sponsor name: <u>Erika Lopez</u> | Date: <u>1/8/24</u> | |
| Signature: <u>Erika Lopez</u> | | |

PRINT FORM

To: Corfu Village Board

From: Adjacent neighbors to 47 West Main Street

Date: April 1, 2024

Re: Property buffers on property lines at 47 West Main Street

We the under signed prefer to have no barriers along the property lines at 47 West Main Street in the Village. We regularly use 47 West Main Street with the approval of the owners to access our backyards. Any barriers would significantly restrict our normal activities in our back yards that we have engaged in for years.

Adam J. Warchocki

Adam Warchocki, 45 West Main Street, Corfu

4-21-24

Date

To: Corfu Village Board

From: Adjacent neighbors to 47 West Main Street

Date: April 1, 2024

Re: Property buffers on property lines at 47 West Main Street

We the under signed prefer to have no barriers along the property lines at 47 West Main Street in the Village. We regularly use 47 West Main Street with the approval of the owners to access our backyards. Any barriers would significantly restrict our normal activities in our backyards that we have engaged in for years.

In the event of a housing project in the back of the property, it is agreed that the owners will build a fence along my property line.



Richard James, 51 West Main Street, Corfu

4-21-24

Date

Planning Board Minutes 1/25/2024

Inbox

Mark Zimmermann <josephpaulzim55@gmail.com>

Sat, Jan 27,
9:10 AM

to Jennifer, Kyle, Katleen, Mike, Joelle, me, Thomas

Re
ply

In attendance: Mark Zimmermann, Kyle Wruck, Katleen Dethier, Robin Johnson

Call to order: 6:30 pm

Motion to accept November 2024 minutes. Kyle W. Seconded Katleen D. Motion carried 3-0

New business: 47-49 West Main St. Corfu, NY

The board began a site plan review for the above address following a village approved temporary permit issued by Mr. Johnson. Date of issue 1/19/24. Term of permit: 6 months.

It was determined that:

1) In preparation for NB regulations, the board will circulate a letter of information to neighbors within 200 ft of property. Said letter to include an invitation to attend the next planning board meeting rescheduled for February 15, 2024 at 6:30 pm.

2) A notice by email will be sent by Chair Zimmermann to Erika Lopez, proposed tenant, and to Ron Long, representative landowner, to attend the same meeting at 6:00 pm in order to submit all required information as follows:

a) Nature of proposed business, 501C3 Status. Copies of documents. In detail. To include Hours of operation, Staffing, Defined parking spaces, designated loading zones, dumpster location and protection. Definition of 'hub', definition of primary and secondary uses of site.

b) \$100 fee receipt for Site Plan review, \$50 fee receipt for Temporary Use Permit, 7 copies of the following: Sketch plan layout of foremost existing portion of property to a depth of 300 ft. to include all relevant information required in section 708C2 of Village of Corfu Zoning Law, especially proposed buffers to 45 W. Main on the East side, and 51A W. Main on the West side of property

It is proposed, if reasonable, to adhere to the following schedule:

Feb. 15 planning board meeting

March 7 submission to Genesee County

March 14 County planning board meeting

March 15 County determination.

Meeting adjourned at 8:15 pm

Mark Zimmermann <josephpaulzim55@gmail.com>

Tue, Jan 30,
12:23 PM

to Kyle, Katleen, Mike, Joelle, Jennifer, Thomas, Robin, Outpourproject, Ronald, me **Re
ply**

Please be advised that the planning board will NOT initiate contact with the property owners surrounding 47-49 E.Main St. at this time. We anticipate doing so following our February 15th meeting.

Please note that our meeting will remain at the regular time of 6:30 on the 15th. The invitation for Mr. Long and Mrs.Lopez will be extended for that time.

Jennifer, please arrange for the proper notices: Our regularly scheduled meeting for February 22nd will be changed to February 15th at 6:30 pm.

Kyle, the procedure for resolving any differences of interpretation between the planning board, the village board, or the zoning officer would be to refer the matter to the ZBA. Robin will be at the meeting on the 15th, and we, the planning board ,can establish our interpretation of the special use permit, and try to reach consensus with Robin.

The following is a copy of the email I have sent to Ron Long and Erika Lopez regarding the site plan review.:

Village of Corfu

Planning Board
116 E. Main St.
Corfu, NY 14036

APPLICATION for BUILDING PERMIT
VILLAGE OF CORFU
 116 East Main St.
 Corfu, NY 14036

Permit No. _____
 Renewal _____

LOCATION 47 W. Main St. Corfu
 (NO.) (STREET) ZONING DISTRICT _____

SBL # _____ LOT SIZE: _____

| OWNER: | NAME | MAILING ADDRESS | ZIP CODE | PHONE |
|--------|--------|---------------------|----------|--------------|
| | Ronald | 1448 Judge Rd Basen | 14013 | 716 982-2676 |

APPLICANT: Outpour Ministries Reuka Lopez

CONTRACTOR: None 716 237-0214

Insurance Expiration _____
 Or Homeowner's Affidavit _____

PROJECT TYPE: TEMPORARY Use Permit

| | | |
|--|---|--|
| Agricultural use only? <u>Y</u> <u>N</u> | Property in floodplain or wetlands? _____ | Town - County - State road (circle one) |
| Part of subdivision? <u>Y</u> <u>N</u> | Variance? <u>Y</u> <u>N</u> | New road cut (driveway permit) <u>Y</u> <u>N</u> |

I hereby certify that I have read and understand the General Construction Rules on page 3, that the proposed work is authorized by the owner of record, and that I have been authorized by the owner to make this application as his agent, and we agree to conform to all applicable laws of this jurisdiction:

Signature of Applicant: _____ Date: _____

Estimated Start Date: JAN 19th 2024 Estimated Finish Date: JUNE 19th 2024

(office use only)

| | |
|--|---------------------------------------|
| Permit Issue Date: <u>JAN 19th 2024</u> | Permit <u>Renewal</u> Date: _____ |
| Permit Expiration Date: <u>JUNE 19th 2024</u> | 6-Month Expiration Date: _____ |
| Permit Fee Paid: \$ _____ | Renewal Fee Paid: \$ _____ |
| Cash: _____ Check # _____ Debit: _____ | Cash _____ Check # _____ Debit: _____ |

APPROVED BY CODE ENFORCEMENT OFFICER: Robin Johnson Date: JAN 21 2024

DIMENSIONS:
 Number of stories excluding basement: _____
 Total floor area (exterior dimensions): _____ SQ. FT.
 Height _____ Width _____ Depth _____

TOTAL COST:
 Labor & Materials: \$ _____

SETBACK:
 distance from ROW _____ ft. distance from _____ side line _____ ft.
 distance from rear _____ ft. distance from _____ side line _____ ft.

TYPE OF IMPROVEMENT:

____ New Building
 ____ Addition-----What is being added? _____ Size: _____ sq. ft. Heated? _____ A/C? _____
X Alteration Location of addition in relation to existing structure: _____
 ____ Repair, Replacement
 ____ Relocation
 ____ Foundation only

Use Group _____ Occupancy Load _____

Consult your lawyer before signing this lease – it has important legal consequences

BUSINESS LEASE

The Landlord and the Tenant agree to lease the Rental Space for the Term and at the Rent stated, as follows: (The words Landlord and Tenant include all landlords and all tenants under this Lease.)

Landlord LGJ Investment Trust

Tenant Outpour Ministries

Address
6201 Kraus Road
Clarence Ctr. NY 14032 716-863-5922

8495 Stringham Dr.
Batavia, NY 14020 716-237-0214

Rental Space 3400 sq ft building

at 47 West Main St
Corfu, NY 14036

| | |
|--|---|
| Date of Lease: January 1, 2024 | The Rent is payable in advance on the first day of each month, as follows: \$400.00 per month for the first year. |
| Term Years 1 year Beginning: January 1, 2024 Ending: December 31, 2024 | |
| Security \$0 | |
| Broker | |
| Liability Insurance. Minimum amounts: for each person injured \$ 1,000,000.00 for any one accident \$2,000,000.00 Aggregate. | |
| Municipal Real Estate Taxes Included | |
| Use of Rental Space: building and parking area to be used for conducting Christian ministry on the premises. | |
| Additional agreements: tenant agrees to maintain the landscaping and snow removal servicing the property. Tenant also agrees to pay for any changes required to be made to the structure and the grounds upon the prior written approval of the landlord. | |

Village of Corfu

Date Received: 3/11/2024
Check Number: 40
Amount: \$ 50.00 - Permit Fee
Received By: ja



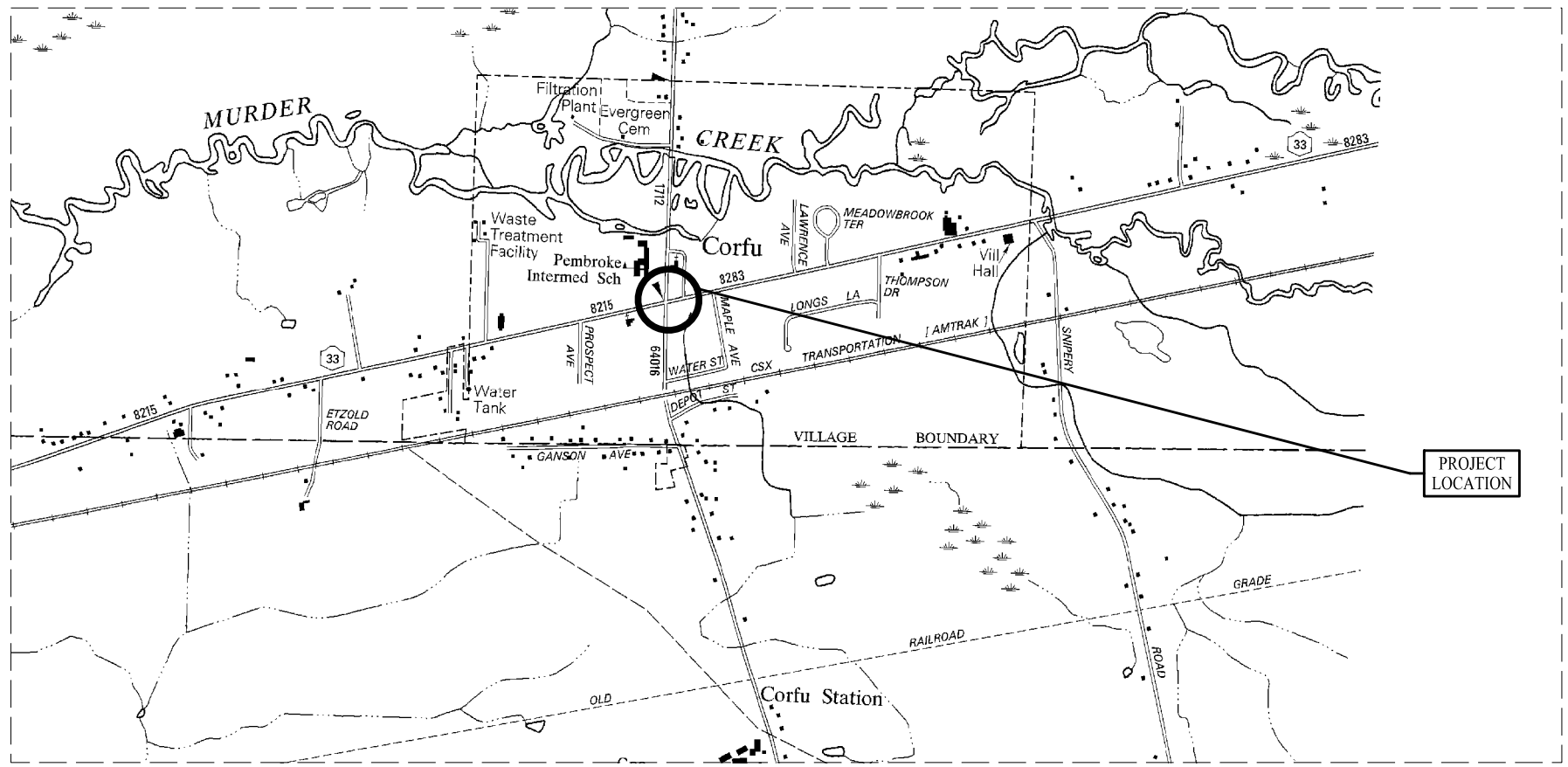
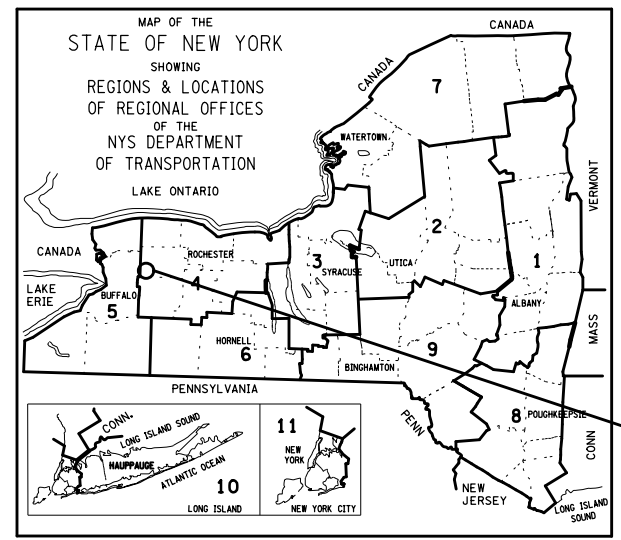
Department of Transportation

VM5 DRIVEWAY WIDENING SR 33

THE LATEST REVISIONS OF THE STANDARD SHEETS MAINTAINED BY THE DEPARTMENT, WHICH ARE CURRENT AS OF THE STANDARD SPECIFICATIONS ADOPTION DATE SHOWN ON THE PROPOSAL COVER, SHALL BE CONSIDERED TO BE IN EFFECT. ALL PAY ITEMS AND WORK CONTAINED IN THE CONTRACT AND ANY ADDITIONAL PAY ITEMS AND WORK ENCOUNTERED DURING THE COURSE OF THE CONTRACT SHALL BE SUBJECT TO THE APPLICABLE STANDARD SHEET(S) UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.

ALL WORK CONTEMPLATED UNDER THIS CONTRACT IS TO BE COVERED BY AND IN CONFORMITY WITH THE STANDARD SPECIFICATIONS (US CUSTOMARY) REFERENCED IN THE CONTRACT PROJECT "PROPOSAL" EXCEPT AS MODIFIED BY THESE PLANS OR BY CHANGES SET FORTH IN THE CONTRACT PROJECT "PROPOSAL."

CONTRACT PLANS HAVE BEEN DESIGNED IN ACCORDANCE WITH NYS DOT POLICIES AND GUIDELINES.



PROJECT LOCATION
GENESEE COUNTY
VILLAGE OF CORFU

RECOMMENDED BY
Peter Wlodarczyk
PETER WLODARCZYK, PROJECT MANAGER DATE 12/20/2023

FISHER ASSOCIATES IS RESPONSIBLE FOR THE DESIGN OF THIS PROJECT. PETER WLODARCZYK IS THE DESIGNER AND IS FAMILIAR WITH NYS DOT STANDARDS AND REQUIREMENTS AND SHALL BE CONTACTED AT 585.334.1310 x.232 TO RESOLVE ISSUES OR PROBLEMS DURING CONSTRUCTION. ALL REVISIONS, INCLUDING REVISIONS NECESSARY DUE TO FIELD CONDITIONS, SHALL BE APPROVED BY THE NYS DOT.

| | | |
|-----------------------|-------|-----------|
| VM5 DRIVEWAY WIDENING | | |
| VILLAGE OF CORFU | | |
| GENESEE COUNTY | | |
| COUNTY: | | |
| FED. ROAD REG. NO. | STATE | SHEET NO. |
| 1 | N.Y. | 1 |

FILE NAME = 28-JUN-2023 10:41
DATE/TIME =
USER = Tpi3el

PROJECT MANAGER
CHECK
DRAFTING
CHECK
DESIGN
JOB MANAGER
DESIGN SUPERVISOR

STANDARD GENERAL PLAN NOTES

- ROAD TO BE KEPT CLEAN OF MUD AND DEBRIS AT ALL TIMES.
- ROADSIDE DRAINAGE TO BE MAINTAINED AT ALL TIMES.
- MATERIALS, EQUIPMENT AND VEHICLES ARE NOT TO BE STORED OR PARKED WITHIN THE NEW YORK STATE RIGHT-OF-WAY.
- MAINTENANCE AND PROTECTION OF TRAFFIC MUST COMPLY WITH THE CURRENT NATIONAL MUTCD WITH NYS 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 NYS ENGINEER-IN-CHARGE.
- NOTIFY THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION'S ASSISTANT RESIDENT ENGINEER AT THE APPROPRIATE NUMBER, AS NOTED BELOW, FIVE (5) WORK DAYS PRIOR TO WORKING WITHIN THE STATE RIGHT-OF-WAY.

GENESEE CO. - DAN STAHLEY (585) 343-0502

IN ADDITION, THE PERMITTEE SHALL NOTIFY NYSDOT REGIONAL TRAFFIC OPERATIONS CENTER (RTOC) OF ALL LANE AND SHOULDER CLOSURES AT LEAST THREE (3) DAYS IN ADVANCE OF THE PROPOSED WORK UTILIZING RTOC'S CONSTRUCTION NOTIFICATION FORM.

PROPOSED CLOSURES WILL BE REVIEWED FOR CONCURRENT AND OVERLAPPING CLOSURE OR INCIDENT CONFLICTS AND WILL BE ENTERED INTO 511NY.ORG. CLOSURES INCLUDED IN THE NOTIFICATION SHALL CONFORM TO TIME, DATE, AND LOCATION RESTRICTIONS IN THE PERMIT. RTOC MAY DISALLOW OR REDUCE CLOSURES DUE TO OTHER CLOSURES OR WORK, EVENTS, OR INCIDENTS FOUND IN CONFLICT WITH THE PROPOSED CLOSURE(S). ALL LANE AND SHOULDER CLOSURES SHALL BE REMOVED DURING NON-WORKING HOURS, EXCEPT WHERE AUTHORIZED BY THE NYSDOT REGIONAL TRAFFIC ENGINEER OR DESIGNEE.

- NOTIFY THE NYSDOT TRAFFIC SIGNAL MAINTENANCE ENGINEER AT (585) 753-7792 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.
- 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.
- QUALITY CONTROL OF ASPHALT CONCRETE SHALL MEET THE REQUIREMENTS OF SECTION 401 OF THE STANDARD SPECIFICATION. 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.
- 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.
- 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 OF SIMILAR IMPEDIMENTS TO THE COMPLETION OF THE WORK PERMITTED HEREUNDER. SHOULD PERMITTEE FIND SOME PREVIOUSLY UNKNOWN UNDERGROUND IMPEDIMENTS TO ITS WORK, 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.
- ADA COMPLIANCE - ALL WORK ON PEDESTRIAN FACILITIES SHALL BE COMPLIANT WITH THE AMERICANS WITH DISABILITIES ACT (ADA).
- ANY DAMAGE TO ROADWAY FEATURES CAUSED DIRECTLY OR INDIRECTLY BY THE CONTRACTOR'S OPERATIONS WITHIN NYS ROW SHALL BE REPAIRED TO MEET NYSDOT STANDARDS AT THE CONTRACTOR'S EXPENSE.
- NYSDOT OPERATIONS TAKE PRECEDENCE OVER HIGHWAY WORK PERMIT OPERATIONS. CONTRACTOR SHALL NOT HAVE WORK OPERATIONS IN PAVEMENT DURING INCLEMENT WEATHER CONDITIONS OR DURING SNOW AND ICE REMOVAL OPERATIONS ON STATE HIGHWAYS.

CLOSURE RESTRICTIONS FOR MAJOR HOLIDAYS

| | | |
|------------------|--------------------|---|
| NEW YEAR'S DAY | SUNDAY OR MONDAY | - 6:00AM FRIDAY BEFORE TO 6:00 AM TUESDAY AFTER |
| INDEPENDENCE DAY | TUESDAY | - 6:00 AM SATURDAY BEFORE TO 6:00 AM WEDNESDAY AFTER (STARTING AT 6:00 AM FRIDAY BEFORE TO 6:00 AM WEDNESDAY AFTER FOR CHRISTMAS DAY) |
| CHRISTMAS DAY | WEDNESDAY | - 6:00 AM TUESDAY BEFORE TO 6:00 AM THURSDAY AFTER (STARTING AT 6:00 AM SATURDAY BEFORE TO 6:00 AM THURSDAY AFTER FOR CHRISTMAS DAY) |
| | THURSDAY | - 6:00 AM THURSDAY TO 6:00 AM MONDAY AFTER (STARTING AT 6:00 AM WEDNESDAY BEFORE TO 6:00 AM MONDAY AFTER FOR CHRISTMAS DAY) |
| | FRIDAY OR SATURDAY | - 6:00 AM THURSDAY TO 6:00 AM MONDAY AFTER |
| MEMORIAL DAY | MONDAY | - 6:00 AM FRIDAY 6:00 AM TUESDAY AFTER |
| THANKSGIVING DAY | THURSDAY | - 6:00 AM WEDNESDAY BEFORE TO 6:00 AM MONDAY AFTER |

•EXCEPTIONS CAN ONLY BE MADE UNDER THE FOLLOWING CONDITIONS:
 -EMERGENCY WORK
 -WORK WITHIN LONG-TERM STATIONARY LANE/SHOULDER CLOSURES
 -SAFETY WRK THAT DOES NOT ADVERLY IMPACT MOBILITY AND HAS BEEN AUTHORIZED BY THE REGIONAL TRAFFIC ENGINEER.

NOTE: THE DEPARTMENT REVERSES THE RIGHT TO CANCEL ANY WORK OPERATIONS, INCLUDING LANE CLOSURES AND/OR TOTAL ROAD CLOSURES, THAT WOULD CREATE TRAFFIC DELAYS BY UNFORSEEN EVENTS. THE CONTRACTOR WOULD BE NOTIFIED AT LEAST 7 CALENDER DAYS PRIOR TO THE PROPOSED WORK.

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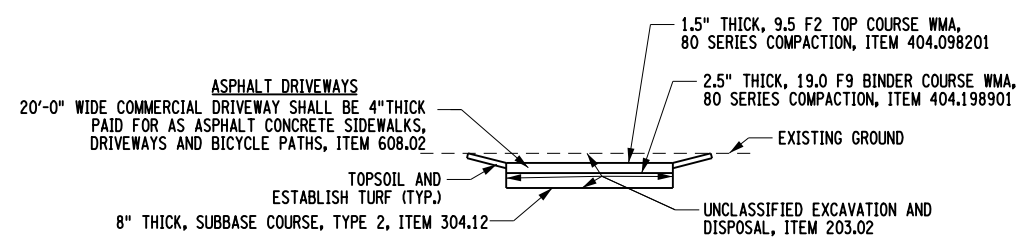
EA PROJECT NO. 185010-23
 PROJECT MANAGER P. WLODARCZYK
 DEAN/INCH J. GONZALES
 SCALE NO SCALE
 ISSUE DATE 06/20/2023



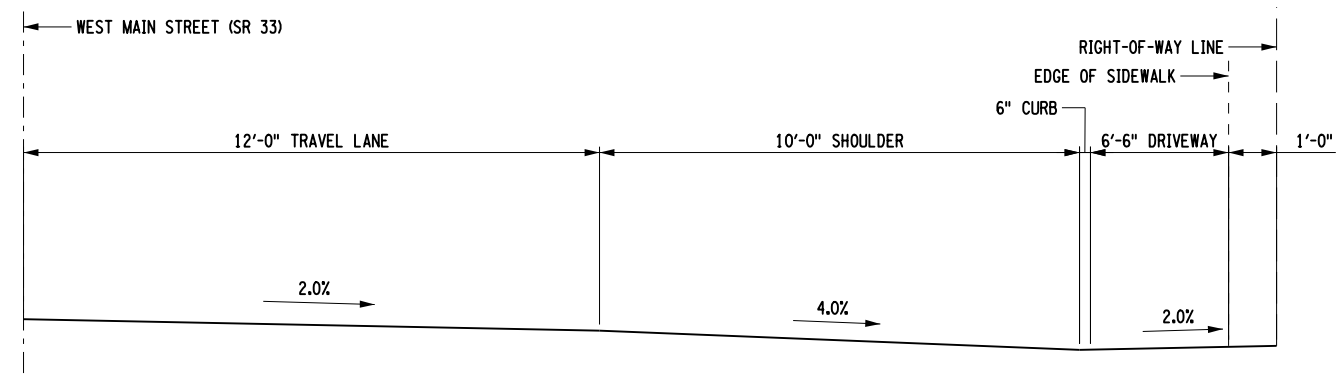
PROJECT NATIONAL FUEL GAS DISTRIBUTION CORPORATION
 VM5 DRIVEWAY WIDENING PROJECT
 STATE DOT PERMIT SR 33
 VILLAGE OF CORFU
 GENESEE COUNTY, NEW YORK

TITLE OF DRAWING VM5 DRIVEWAY WIDENING
 GENERAL NOTES

DRAWING NO. GN-1
 SHEET OF 3



DRIVEWAY RECONSTRUCTION SECTION
 NOT TO SCALE
 NOTE: TACK COAT IS REQUIRED BEFORE ALL LIFTS OF ASPHALT



DRIVEWAY PROFILE
 NOT TO SCALE

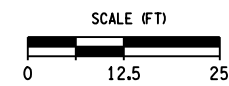
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LEGEND

- P --- PROPERTY LINE
- EDGE OF PAVEMENT
- ==== DOUBLE YELLOW PAVEMENT MARKING
- G — PROPOSED PIPELINE
- ➔ TRAVEL LANE



| | | |
|---|---|---|
| <p>PROJECT NATIONAL FUEL GAS DISTRIBUTION CORPORATION VM5 DRIVEWAY WIDENING PROJECT STATE DOT PERMIT SR 33 VILLAGE OF CORFU GENESEE COUNTY, NEW YORK</p> | <p>TITLE OF DRAWING VM5 DRIVEWAY WIDENING TURNING MOVEMENTS - SU-30</p> | <p>DATE REV DESCRIPTION DATE BY</p> |
| <p>EA PROJECT NO. 185010-23</p> <p>PROJECT MANAGER P. WLODARCZYK</p> <p>DRAWN BY J. GONZALES</p> <p>SCALE 1"=25'</p> | <p>ISSUE DATE 06/20/2023</p> | <p>REV 1 2 3 4 5 6 7</p> |
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| <p>FISHER ASSOCIATES www.fisherassoc.com</p> | | |
| <p>DRAWING NO. DT-1</p> | | |
| <p>SHEET 3 OF 4</p> | | |

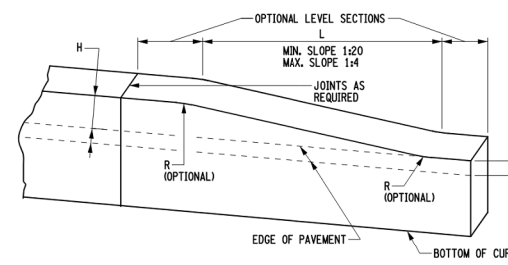


MATCH EXISTING CONCRETE CURB PER NYS DOT STANDARD SHEET 609-01, DETAIL BELOW

MATCH EXISTING CONCRETE CURB PER NYS DOT STANDARD SHEET 609-01, DETAIL BELOW

40' TO RESIDENTIAL DRIVEWAY
110' TO RESIDENTIAL DRIVEWAY
540' TO FIELDCREST DR.
785' TO WATER PLANT RD.
960' TO GENESSEE HEIGHTS ESTATES

160' TO RESIDENTIAL DRIVEWAY
235' TO RESIDENTIAL DRIVEWAY
320' TO RESIDENTIAL DRIVEWAY
375' TO RESIDENTIAL DRIVEWAY
445' TO RESIDENTIAL DRIVEWAY
585' TO PROSPECT ST.



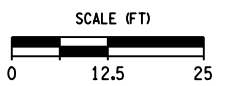
- OPTIONAL 1" NOTES:
1. USE 1" REVEAL AND CONTINUE CURB ACROSS DRIVEWAY ENTRANCES ONLY IF SHOWN IN THE CONTRACT DOCUMENTS, OR DIRECTED BY THE ENGINEER AS A FIELD CONDITION.
 2. TERMINATE CURB, CURB AND GUTTER BY TRANSITIONING ON A MAXIMUM SLOPE OF 1:12 TO PAVEMENT SURFACE.
 3. EXTEND JOINT FILLER 6" MINIMUM BEHIND CURB ON BOTH SIDES OF CURB BOX. TOS-07 NOT NEEDED WHEN VERTICAL FACED CURB WIDTH EQUAL TO WIDTH OF CURB BOX.

LEGEND

- P --- PROPERTY LINE
- — — — — EDGE OF PAVEMENT
- ==== DOUBLE YELLOW PAVEMENT MARKING
- G — PROPOSED PIPELINE
- ➔ TRAVEL LANE

NOTES:

CURB REMOVAL AND REPLACEMENT SHALL BE DONE WITHOUT DISTURBANCE TO THE ROADWAY. CURB SHALL BE REMOVED BY EXCAVATING FROM THE BACK SIDE. WHEN PLACING THE NEW CURB, THE JOINT AT THE ROAD EDGE TO THE CURB FRONT SHALL BE FILLED WITH NON-SHRINK CEMENT GROUT AND LEVEL WITH THE PAVEMENT SURFACE.



- APPLICABLE NYS DOT STANDARD SHEET DETAILS FOR WZTC:
- 619-04 PORTABLE TEMPORARY WOODEN SIGN SUPPORT
 - 619-10 WORK ZONE TRAFFIC CONTROL GENERAL NOTES
 - 619-11 WORK ZONE TRAFFIC CONTROL LEGENDS AND NOTES
 - 619-12 SIGN TABLE
 - 619-02 TYPE III CONSTRUCTION BARRICADES
 - 619-20 SHOULDER CLOSURE 2-LANE 2-WAY ROADWAY
 - 619-50 SIDEWALK DETOUR OR DIVERSION
 - 619-51 CROSSWALK CLOSURE AND PEDESTRIAN DETOUR
 - 619-310 NON-FREEWAY SHOULDER CLOSURE

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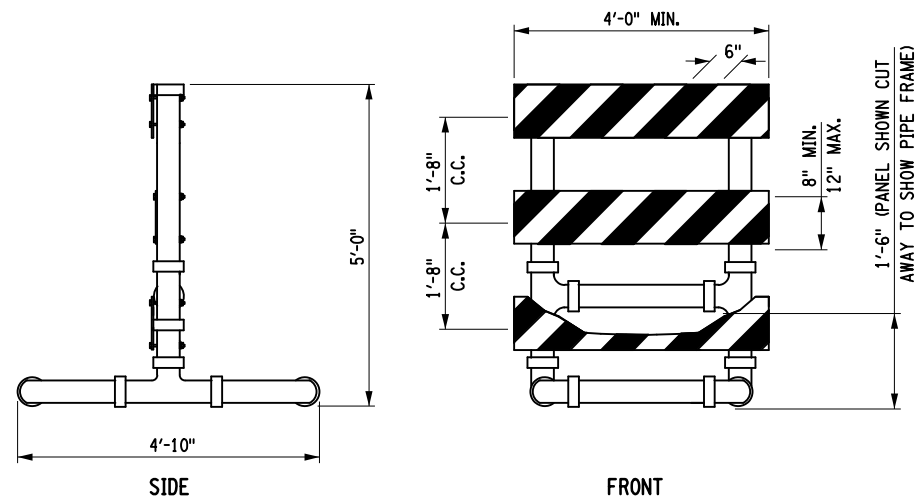
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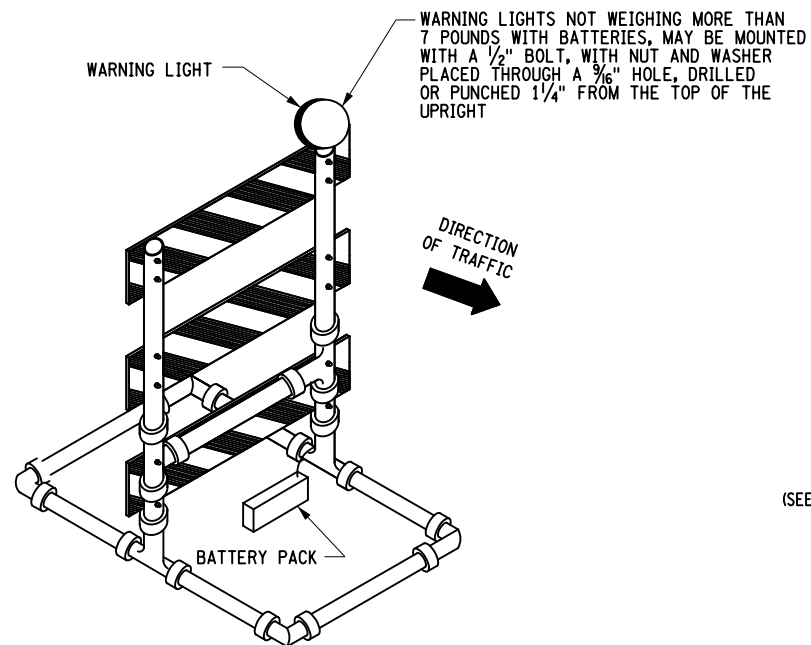
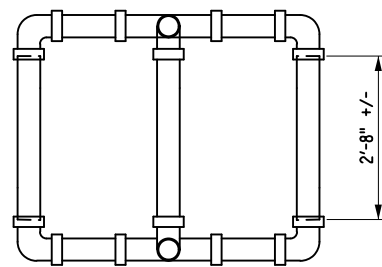
PROJECT NO. 185010-23
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PROJECT
 NATIONAL FUEL GAS DISTRIBUTION CORPORATION
 VM5 DRIVEWAY WIDENING PROJECT
 STATE DOT PERMIT SR 33
 VILLAGE OF CORFU
 GENESSEE COUNTY, NEW YORK
 TITLE OF DRAWING
 VM5 DRIVEWAY WIDENING

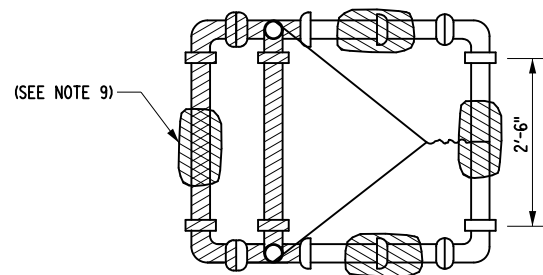
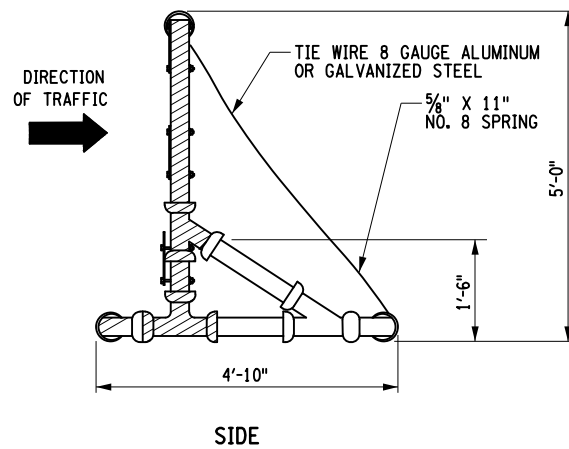
DRAWING NO.
PL-1
 SHEET 4 OF 4



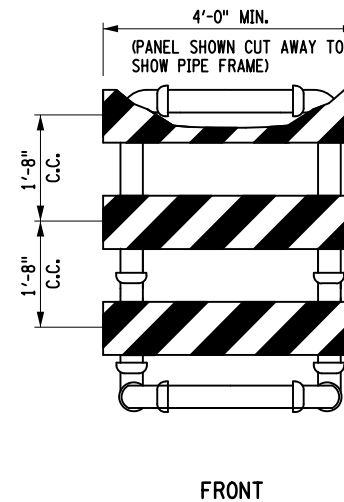
TYPE III CONSTRUCTION BARRICADE ALTERNATE "A"



DETAILS FOR FASTENING LIGHTS ON TOP OF BARRICADE



TYPE III CONSTRUCTION BARRICADE ALTERNATE "B"



NOTES:

1. THE DETAILS AND MATERIALS FOR TYPE III CONSTRUCTION BARRICADES ARE NCHRP 350 APPROVED. IF THE CONTRACTOR ELECTS TO USE AN ALTERNATE DESIGN OR MATERIALS, THE ALTERNATIVE SHALL BE NCHRP 350 APPROVED.
2. THE ALTERNATES SHOWN ON THIS SHEET ARE EQUALLY ACCEPTABLE AND THE CONTRACTOR MAY USE ANY ONE OR A MIXTURE OF TYPES.
3. PANELS SHALL HAVE 6" WIDE REFLECTORIZED ORANGE AND WHITE DIAGONAL STRIPES OF TYPE I OR TYPE III SHEETING SLOPING AT AN ANGLE OF 45° IN ACCORDANCE WITH §729-08, TYPE III CONSTRUCTION BARRICADES. THE STRIPES SHALL SLOPE DOWNWARD TOWARD THE SIDE ON WHICH TRAFFIC IS TO PASS.
4. BALLAST MAY BE PLACED ON THE BASE MEMBERS OF THE BARRICADE. BALLAST SHALL NOT EXTEND INTO THE ACCESSIBLE PASSAGE WIDTH OF 5' WHERE BARRICADES ARE USED TO CHANNELIZE PEDESTRIANS.
5. PANELS FOR BARRICADES MAY BE WOOD, PLASTIC, OR ALUMINUM. PIPE FOR BARRICADES SHALL USE SDR SIZES 21 TO 32.5.
6. WHEN THE BATTERY AND LIGHT WEIGH MORE THAN 7 LBS, THE BATTERY SHALL BE MOUNTED ON THE BOTTOM OF THE BARRICADE.
7. ALL PIPES SHALL BE WHITE. WHITE FITTINGS ARE PREFERRED, BLACK MAY BE USED. ALL JOINTS IN ALTERNATE "A" SHALL BE GLUED WITH A SOLVENT CEMENT COMPATIBLE WITH THE P.V.C. PIPE.
8. ALL JOINTS IN ALTERNATE "B" SHALL BE FREE TO SEPARATE UPON VEHICLE IMPACT. SHADED PIPES AND FITTINGS SHALL BE TIED TOGETHER WITH A MINIMUM 3/8" DIA. NYLON, OR EQUIVALENT ROPE THREADED INTO THE PIPE AND FITTING INTERIOR.
9. IF BARRICADES ARE USED TO TEMPORARILY CHANNELIZE PEDESTRIANS, THERE SHALL BE A CONTINUOUS DETECTABLE BOTTOM AND TOP RAILS WITH NO GAP BETWEEN INDIVIDUAL BARRICADES TO BE DETECTABLE TO BLIND OR VISUALLY IMPAIRED USERS OF LONG CANES. THE BOTTOM OF THE BOTTOM RAIL SHALL BE NO HIGHER THAN 2" ABOVE THE GROUND AND THE TOP OF THE TOP RAIL SHALL BE NO LOWER THAN 3' ABOVE THE GROUND.



Department of Transportation

U.S. CUSTOMARY STANDARD SHEET

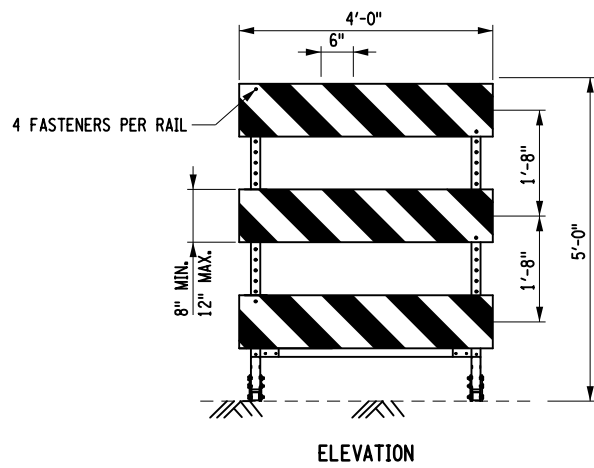
WORK ZONE TRAFFIC CONTROL
TYPE III CONSTRUCTION BARRICADES
(SHEET 1 OF 2)

APPROVED DECEMBER 2, 2021

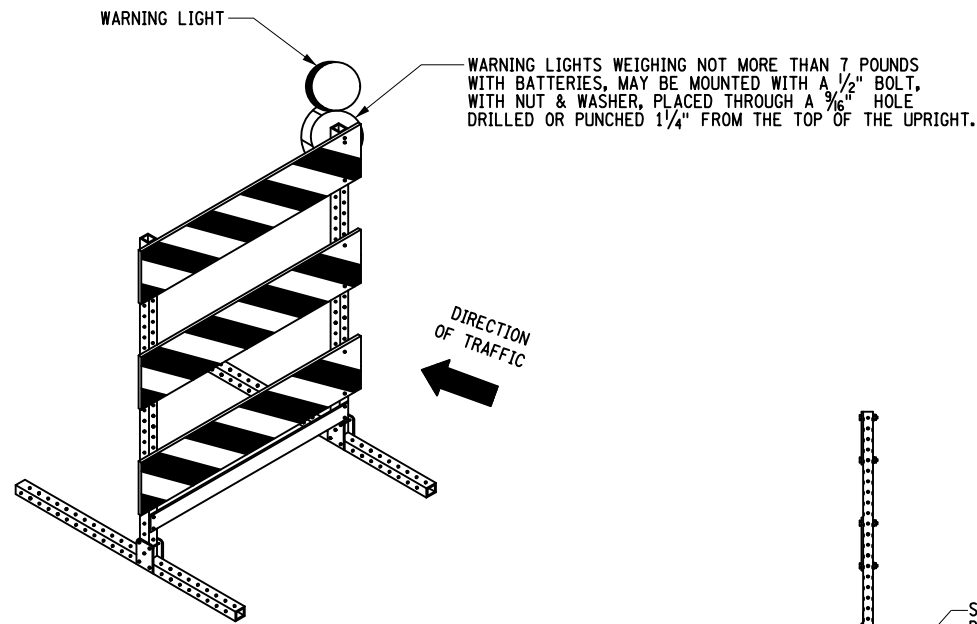
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Robert Limoges
ROBERT LIMOGES, P.E.
DIRECTOR, OTSM

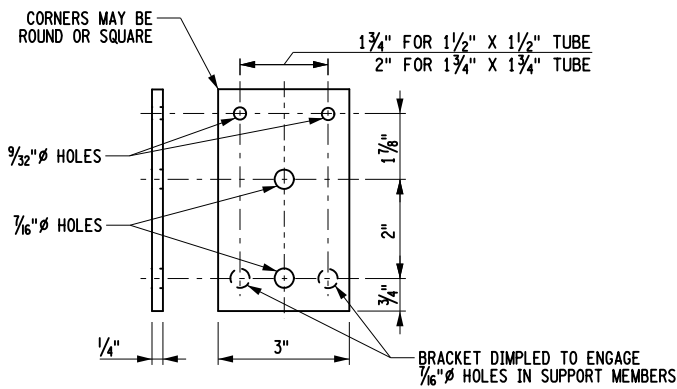
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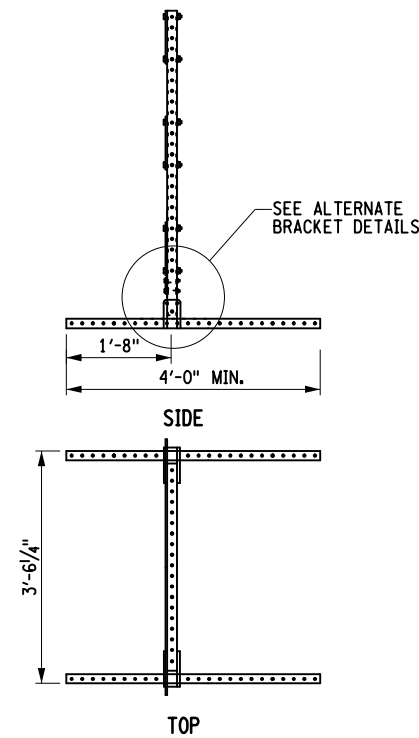
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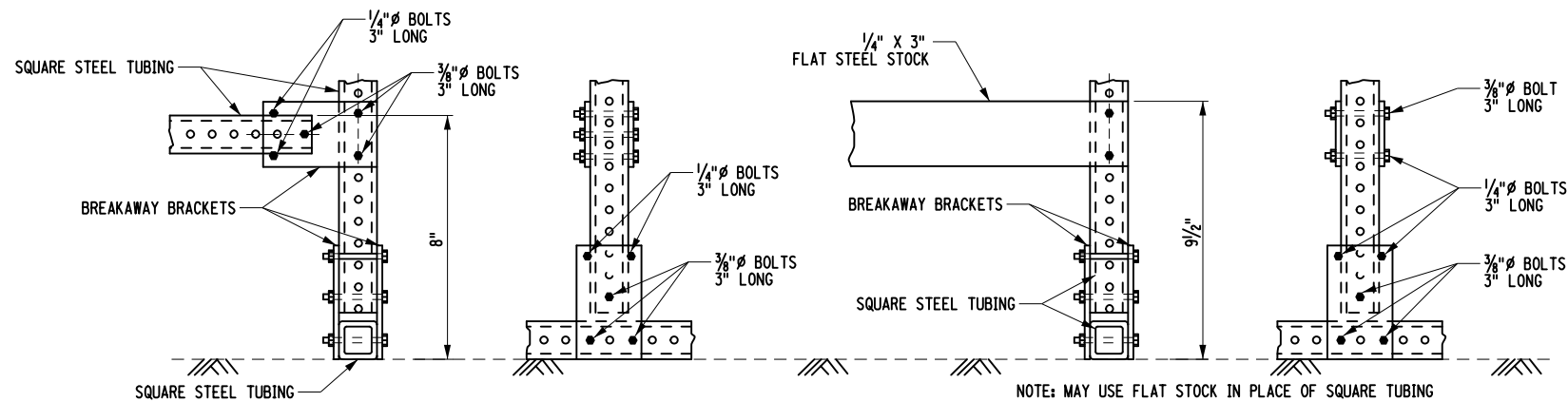
DETAIL FOR FASTENING LIGHT ON TOP OF BARRICADE



BRACKET DETAIL



TYPE III CONSTRUCTION BARRICADE ALTERNATE "M"



ALTERNATE BRACKET DETAIL

NOTE: SQUARE STEEL TUBING SHALL MEET ONE OF THE FOLLOWING MATERIAL REQUIREMENTS:

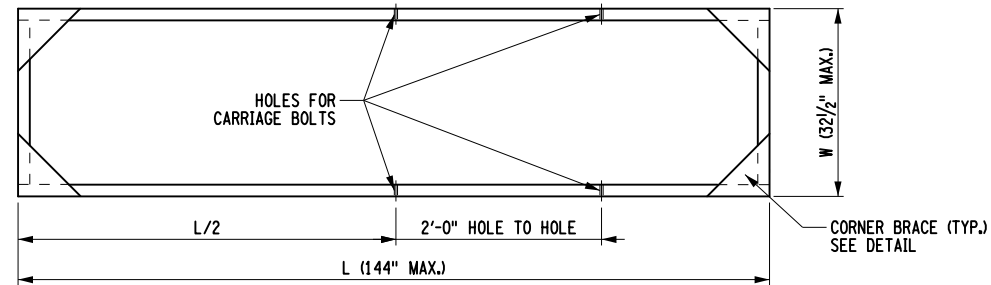
- 12 GAUGE 1 3/4" X 1 3/4", ASTM A653
 - 12 GAUGE 1 1/2" X 1 1/2", ASTM A653
 - 14 GAUGE 1 3/4" X 1 3/4", ASTM A1011
- ALL BOLTS ARE A325 OR EQUIVALENT BOLTS

NOTES:

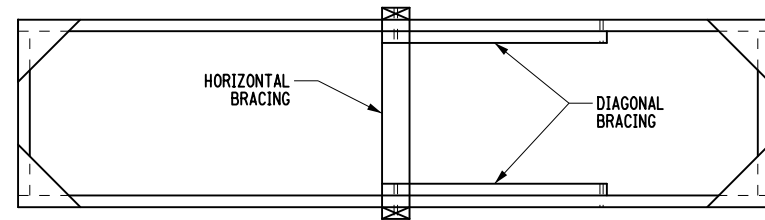
1. THE DETAILS AND MATERIALS FOR TYPE III CONSTRUCTION BARRICADES ARE NCHRP 350 APPROVED. IF THE CONTRACTOR ELECTS TO USE AN ALTERNATE DESIGN OR MATERIALS, THE ALTERNATIVE SHALL BE NCHRP 350 APPROVED.
2. THE ALTERNATES SHOWN ON THIS SHEET ARE EQUALLY ACCEPTABLE AND THE CONTRACTOR MAY USE ANY ONE OR A MIXTURE OF TYPES.
3. PANELS SHALL HAVE 6" WIDE REFLECTORIZED ORANGE AND WHITE DIAGONAL STRIPES OF TYPE I OR TYPE III SHEETING SLOPING AT AN ANGLE OF 45°, IN ACCORDANCE WITH §729-08. THE STRIPES SHALL SLOPE DOWNWARD TOWARD THE SIDE ON WHICH TRAFFIC IS TO PASS.
4. BALLAST MAY BE PLACED ON THE BASE MEMBERS OF THE BARRICADE. BALLAST SHALL NOT EXTEND INTO THE ACCESSIBLE PASSAGE WIDTH OF 5' WHERE BARRICADES ARE USED TO CHANNELIZE PEDESTRIANS.
5. PANELS FOR BARRICADES MAY BE WOOD, PLASTIC, OR ALUMINUM.
6. WHEN THE BATTERY AND LIGHT WEIGH MORE THAN 7 LBS, THE BATTERY SHALL BE MOUNTED AT THE BOTTOM OF THE BARRICADE.
7. ALTERNATE "M" BARRICADES SHALL BE EXTENDED WITH INTERNAL SPLICE MEMBERS. THE INTERNAL SPLICE MEMBERS SHALL BE ONE 1 FOOT LENGTHS OF SQUARE STEEL TUBING INSERTED 6" INTO EACH UPRIGHT. THE EXTENSION SHALL THEN BE PLACED OVER THE TOP OF THE INTERNAL SPLICE MEMBER. THE EXTENSION AND INTERNAL SPLICE MEMBER SHALL BE HELD IN PLACE WITH 3/8" BOLTS WITH NUTS AND WASHERS PLACED 4"(±1") ABOVE AND BELOW THE JOINT FORMED BY THE EXTENSION. THE INTERNAL SPLICE MEMBERS SHALL BE ONE OF THE FOLLOWING SIZES DEPENDING UPON THE TUBING USED TO FABRICATE THE BARRICADE. GAUGES FOR SQUARE TUBES SHALL BE UNITED STATES STANDARD GAUGE.

| BARRICADE MEMBERS | INTERNAL SPLICE MEMBERS |
|--------------------------|--------------------------|
| 12 GAUGE 1 3/4" X 1 3/4" | 12 GAUGE 1 1/2" X 1 1/2" |
| 14 GAUGE 1 3/4" X 1 3/4" | 14 GAUGE 1 1/2" X 1 1/2" |
| 12 GAUGE 1 1/2" X 1 1/2" | 12 GAUGE 1 1/4" X 1 1/4" |
8. IF BARRICADES ARE USE TO TEMPORALLY CHANNELIZE PEDESTRIANS, THERE SHALL BE CONTINUOUS DETECTABLE BOTTOM AND TOP RAILS WITH NO GAP BETWEEN INDIVIDUAL BARRICADES, TO BE DETECTABLE TO BLIND OR VISUALLY IMPAIRED USERS OF LONG CANES. THE BOTTOM OF THE BOTTOM RAIL SHALL BE NO LOWER THAN 2" ABOVE THE GROUND SURFACE. THE TOP OF THE TOP RAIL SHALL BE NO LOWER THAN 3' ABOVE THE GROUND SURFACE.

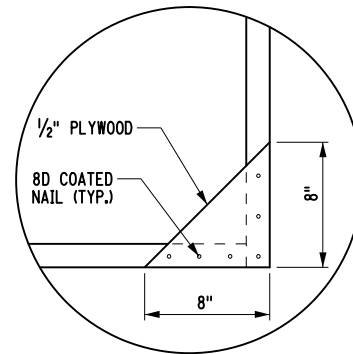
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| NEW YORK STATE OF OPPORTUNITY. | Department of Transportation |
| U.S. CUSTOMARY STANDARD SHEET | |
| WORK ZONE TRAFFIC CONTROL TYPE III CONSTRUCTION BARRICADES (SHEET 2 OF 2) | |
| APPROVED DECEMBER 2, 2021 | ISSUED UNDER EI 21-028 |
| <i>Robert Limoges</i> ROBERT LIMOGES, P.E. DIRECTOR, OTSM | 619-002 |



**BOTTOM FRAME
TOP VIEW**



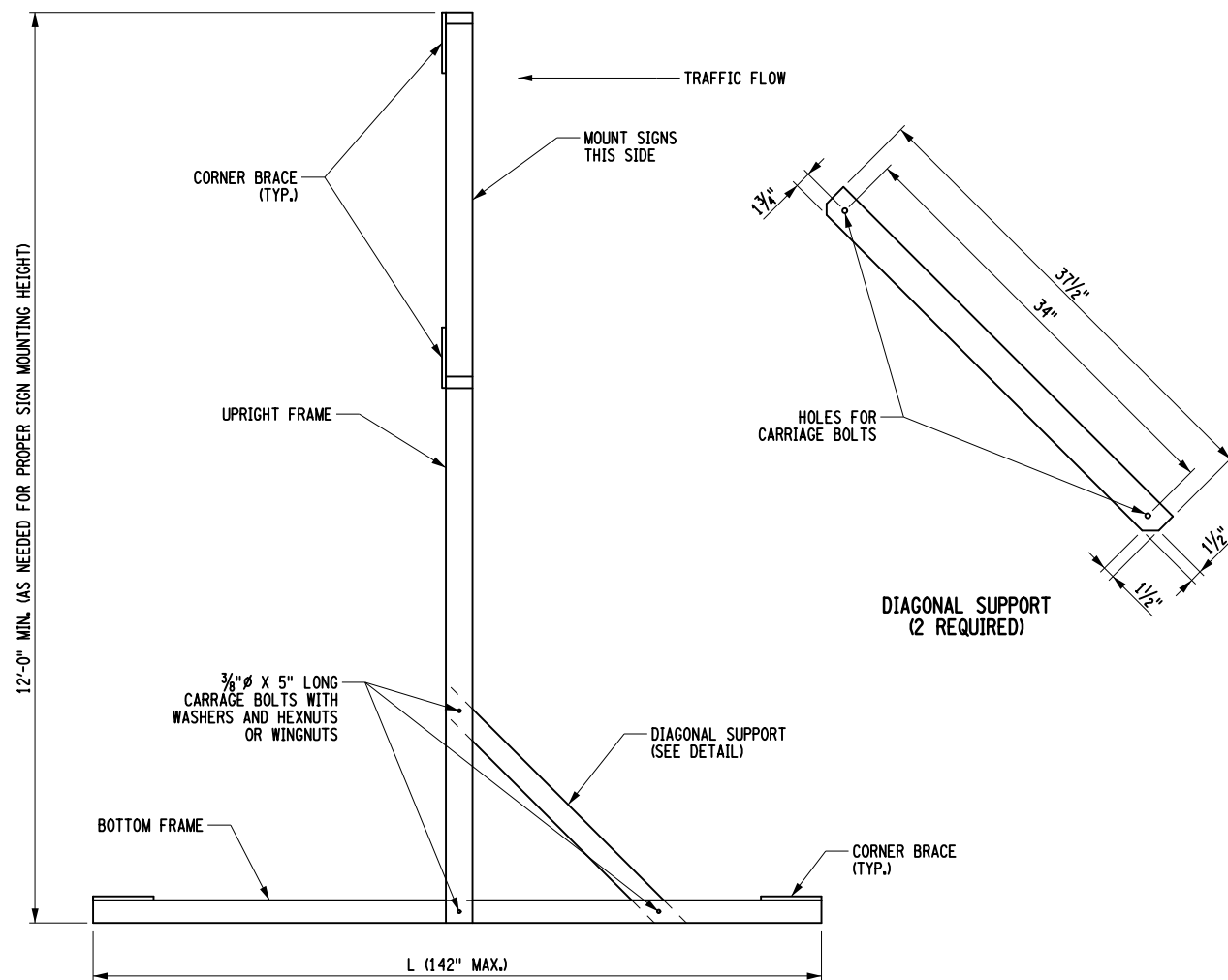
**TEMPORARY WOODEN SIGN STAND
TOP VIEW**



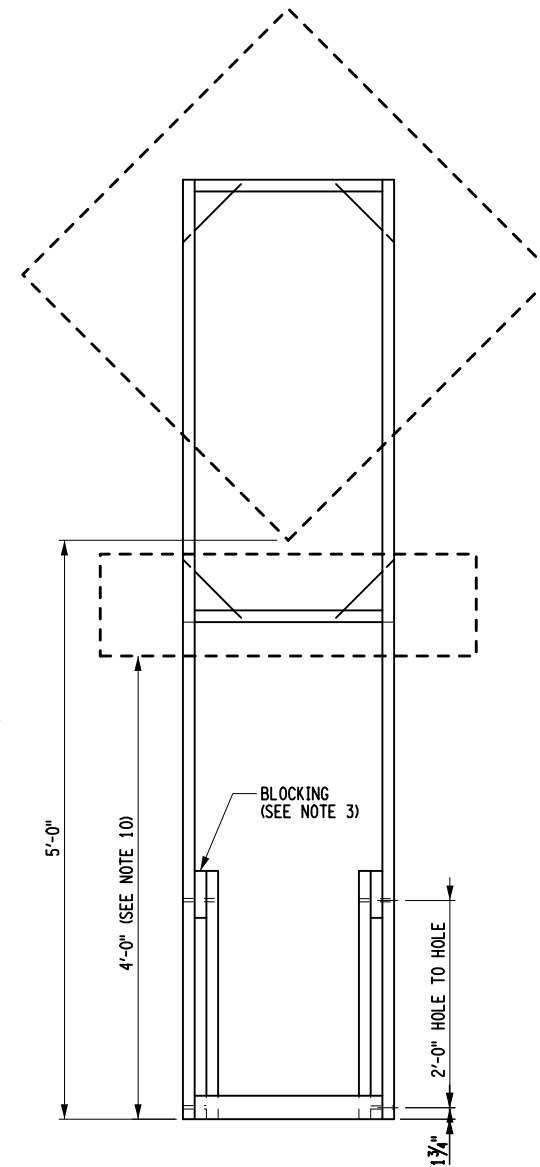
**CORNER BRACE DETAIL
(TO BE USED ON UPRIGHT AND BOTTOM FRAMES)**

NOTES:

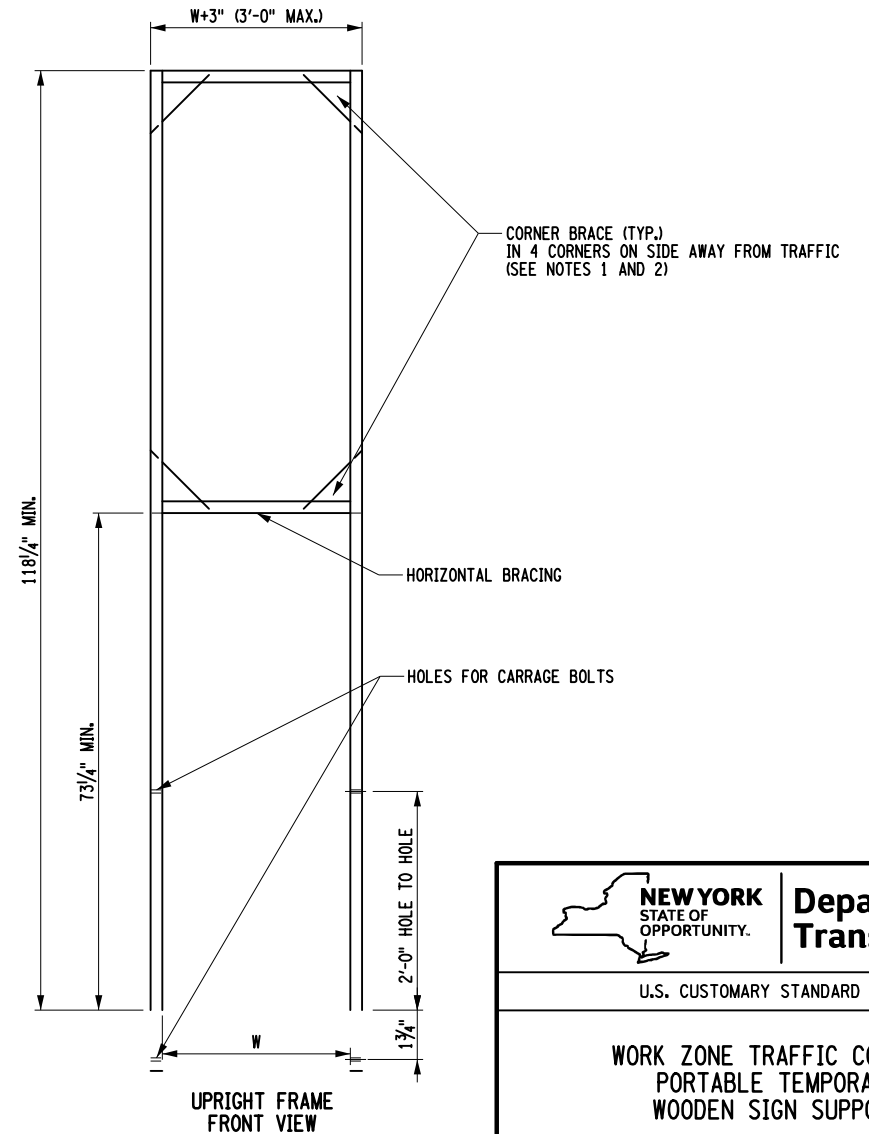
1. ALL LUMBER SHALL BE 2 X 4 DIMENSIONAL LUMBER. CONNECT FRAME MEMBERS WITH 2 EACH 12D COATED NAILS.
2. ALL HOLES SHALL BE DRILLED IN CENTERLINE OF FRAME MEMBERS AND DIAGONAL BRACES.
3. 6" BLOCK SPACER MAY BE USED BETWEEN DIAGONAL BRACE AND VERTICAL SUPPORT.
4. CONNECT FRAME CORNER BRACES TO FRAME MEMBERS WITH 6 EACH - 8D COATED NAILS. (3 NAILS INTO EACH FRAME MEMBER).
5. UPRIGHT FRAME MOUNTS ON THE OUTSIDE OF THE BOTTOM FRAME.
6. PAINT SIGN SUPPORT WITH 2 COATS OF WHITE PAINT.
7. DIAGONAL SUPPORTS MOUNT INSIDE BOTH UPRIGHT AND BOTTOM FRAMES. ALL UPRIGHT DIAGONAL BRACING SHALL BE SLOPED SUCH THAT BRACING COLLAPSES DOWNWARD UPON IMPACT BY A VEHICLE.
8. A SINGLE LAYER OF BALLAST PLACED ON THE BOTTOM FRAME MAY BE USED TO PREVENT SIGNS FROM TIPPING OVER FROM WIND AND VEHICLE GUSTS.
9. NO HORIZONTAL BRACING ALLOWED BETWEEN 2' AND 5' ON UPRIGHT VERTICALS, MEASURED FROM THE BOTTOM OF THE SKID BASE.
10. 5' MINIMUM SIGN MOUNTING HEIGHT, MEASURED FROM THE BOTTOM OF THE SKID BASE TO THE BOTTOM OF THE SIGN. VERTICAL SUPPORTS SHALL BE TALL ENOUGH TO ALLOW FOR HIGHER MOUNTING HEIGHTS FOR THOSE LOCATIONS REQUIRED BY THE MUTCD (I.E. SIDEWALKS, ROADSIDE PARKING AND EMBANKMENTS).
11. CONNECTIONS ALLOW FOR THE FOLDING, TRANSPORT AND STORAGE OF THE SUPPORT. WHEN FOLDED IN THE DOWN POSITION WITHIN THE CLEAR ZONE, THE MAXIMUM ASSEMBLY HEIGHT SHALL NOT EXCEED 4". SIMILAR NON-FOLDING SUPPORTS SHALL BE STORED OUTSIDE THE CLEAR ZONE OR BEHIND A BARRIER.
12. L = LENGTH OF BOTTOM FRAME.
W = WIDTH OF BOTTOM FRAME.



**TEMPORARY WOODEN SIGN STAND
SIDE VIEW**




**TEMPORARY WOODEN SIGN STAND
FRONT VIEW**



**UPRIGHT FRAME
FRONT VIEW**

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|  NEW YORK STATE OF OPPORTUNITY. | | Department of Transportation |
| U.S. CUSTOMARY STANDARD SHEET | | |
| WORK ZONE TRAFFIC CONTROL PORTABLE TEMPORARY WOODEN SIGN SUPPORT | | |
| APPROVED DECEMBER 2, 2021 <i>Robert Limoges</i> ROBERT LIMOGES, P.E. DIRECTOR, OTSM | ISSUED UNDER EI 21-028 619-004 | |

GENERAL NOTES

1. THE TYPICAL DETAILS DEPICTED ON THE STANDARD SHEETS AND IN THE MUTCD, REFLECT THE MINIMUM REQUIREMENTS.
2. PROPOSED REVISIONS TO THE TRAFFIC CONTROL PLAN SHALL BE PROVIDED, IN WRITING, TO THE DOT ENGINEER 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) WORK DAYS PRIOR TO IMPLEMENTATION OF SUCH REVISIONS.
3. THE NAMES, ADDRESSES, AND TELEPHONE NUMBERS OF STAFF WHO ARE AUTHORIZED TO SECURE LABOR, MATERIALS, AND EQUIPMENT FOR EMERGENCY REPAIRS OUTSIDE NORMAL WORKING HOURS SHALL BE PROVIDED, IN WRITING, TO THE NYSDOT ENGINEER. THE ENGINEER WILL PROVIDE THE SUBMITTED INFORMATION TO REGIONAL MANAGEMENT, THE NEW YORK STATE POLICE, THE RESIDENT ENGINEER, AND THE LOCAL POLICE.
4. STANDARD SHEET 619-503 MAY BE USED FOR AN OFFSITE DETOUR SETUP FOR BOTH LONG TERM AND SHORT TERM WORK DURATIONS.
5. REGIONAL HIGH-VOLUME RESTRICTIONS SHALL BE FOLLOWED. CONSULT WITH DOT ENGINEER IF EXCEPTION NEEDED.
6. PLAN AHEAD TO AVOID CONFLICTING WORK ZONES. CHECK FOR CONSTRUCTION PROJECTS, CLOSURES, & RESTRICTIONS AT WWW.511NY.ORG, WWW.DOT.NY.GOV/PROJECTS, AND WITH NYSDOT ENGINEER.
7. WORK ZONE INCIDENTS SHALL BE DOCUMENTED AND REPORTED USING EITHER THE DEPARTMENT'S WORK ZONE INCIDENT FORM, OR THE CONSTRUCTION INCIDENT REPORTING SYSTEM, AS APPROPRIATE.
8. CONSIDER CLOSURE WIDTH AND THE ABILITY TO ACCOMMODATE WIDE LOAD VEHICLES BEFORE ESTABLISHING WORK ZONES.
9. IF THE WORK ZONE AFFECTS AN EXISTING ACCESSIBLE AND DETECTABLE PEDESTRIAN FACILITY, ACCESSIBILITY AND DETECTABILITY SHALL BE PROVIDED ALONG THE ALTERNATE ROUTE.

ACTIVITY AREA

1. A 500' MINIMUM LONGITUDINAL DISTANCE SHALL BE MAINTAINED BETWEEN CONSTRUCTION OPERATIONS ON ALTERNATE SIDES OF THE ROADWAY, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
2. 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.

SIGNS

1. 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 OF THE ENGINEER.
2. FOR LONG TERM WORK DURATIONS, 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.
3. SIGNS AT OR NEAR INTERSECTIONS SHALL BE PLACED SO THAT THEY DO NOT OBSTRUCT A MOTORIST'S LINE OF SIGHT.
4. 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 OR OMITTED WITH THE APPROVAL OF THE DOT ENGINEER. LAYING THE SIGN DOWN IN A HORIZONTAL POSITION IS NOT PERMITTED.
5. 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.
6. NYR9-12 SHALL BE USED IN PLACE OF NYR9-11 WHEN A REDUCED REGULATORY SPEED LIMIT SIGN IS AUTHORIZED.
7. RIGID AND FLEXIBLE "ROLL-UP" SIGNS MAY BE USED FOR MOBILE, SHORT DURATION AND SHORT-TERM STATIONARY WORK. RIGID SIGNS MUST BE MOUNTED AT LEAST 5 FEET ABOVE GRADE (7 FEET WHERE THERE ARE PEDESTRIANS OR PARKED CARS). FLEXIBLE SIGNS SHALL BE MOUNTED AT LEAST ONE FOOT ABOVE GRADE. MESH SIGNS SHALL NOT BE USED. USE RETRO REFLECTORIZED RIGID SIGNS FOR NIGHTTIME WORK.

LANE WIDTHS

1. 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'.
2. A WRITTEN NOTE SHALL BE PROVIDED 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.
3. IF THE WORK ZONE AFFECTS PEDESTRIANS, A MINIMUM PEDESTRIAN PATHWAY WIDTH OF 5 FEET SHALL BE MAINTAINED UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.
4. TEMPORARY BICYCLE ACCOMMODATIONS SHALL NOT BE LESS THAN WHAT CURRENTLY EXISTS UNLESS AUTHORIZED BY THE ENGINEER.

PROTECTIVE VEHICLES

1. PROTECTIVE VEHICLES ARE DIVIDED INTO 2 CATEGORIES BASED ON THE GROSS VEHICLE WEIGHT (GVW):
 - PROTECTIVE VEHICLE LIGHT (PVL) SHALL HAVE A MINIMUM GVW OF 9,500 LBS. OR GREATER.
 - PROTECTIVE VEHICLE HEAVY (PVH) SHALL HAVE A MINIMUM GVW OF 22,000 LBS. OR GREATER.
2. IF THE PROTECTIVE VEHICLE ENCLOSED INTO THE TRAVEL LANE, OR IF IT REMAINS ENTIRELY ON THE SHOULDER OF ANY HIGH SPEED ROAD (≥45 MPH), IT SHALL BE EQUIPPED WITH A DEPLOYED TRUCK/TRAILER MOUNTED IMPACT ATTENUATOR (TMIA, SEE TABLE 011-01 ON SHEET 619-011). BALLAST MAY BE USED TO BRING A LIGHTER VEHICLE UP TO THE INDICATED WEIGHT PROVIDED THE BALLAST IS SECURELY CONTAINED WITHIN AN ENCLOSED BODY OR OTHERWISE SECURELY FASTENED TO THE VEHICLE PURSUANT TO FEDERAL MOTOR CARRIER SAFETY ADMINISTRATION (FMCSA) CARGO SECUREMENT RULES, SUCH THAT:
 - 1) THE BALLAST WILL NOT SEPARATE FROM THE VEHICLE UPON IMPACT AND
 - 2) THE BALLAST WEIGHT WILL NOT EXCEED THE MANUFACTURER'S GROSS VEHICLE WEIGHT RATING (GVWR).
 TRUCK/TRAILER MOUNTED IMPACT ATTENUATORS SHALL NOT BE MOUNTED/INSTALLED ON VEHICLES WITH A GROSS WEIGHT (GVW) LESS THAN WHAT IS MINIMALLY REQUIRED BY THE MANUFACTURER OF THE TMIA.
3. WHEN A PROTECTIVE VEHICLE(S) IS USED BETWEEN THE WORK VEHICLE (CREW) OR HAZARD AND THE TRAFFIC IN A MOVING OPERATION IT IS REFERRED TO AS A SHADOW VEHICLE(S).
4. WHEN A PROTECTIVE VEHICLE(S) IS USED BETWEEN THE WORK VEHICLE (CREW) OR HAZARD AND THE TRAFFIC IN A STATIONARY OPERATION IT IS REFERRED TO AS A BARRIER VEHICLE(S).
5. WHEN A PROTECTIVE VEHICLE IS USED IN ADVANCE OF EITHER MOVING OR STATIONARY OPERATIONS TO DISPLAY SIGN MESSAGES IT IS REFERRED TO AS AN ADVANCE WARNING VEHICLE. WHEN SIGNS ARE MOUNTED ON AN ADVANCED WARNING VEHICLE, THEY SHALL NOT OBSTRUCT VISIBILITY OF ANY LIGHTS (TAILLIGHTS OR WARNING LIGHTS), OR SIDE-VIEW MIRRORS ON THE VEHICLE, OR TRUCK MOUNTED ARROW BOARDS.
6. IN A MOVING OPERATION OR A STATIONARY OPERATION THAT OCCUPIES A LOCATION FOR UP TO 1 HOUR, THE OPERATOR SHALL REMAIN IN THE PROTECTIVE VEHICLE WITH THE SAFETY BELT AND HEADREST PROPERLY ADJUSTED, MAINTAIN VEHICLE SPACING, AND KEEP THE WHEELS ALIGNED WITH THE LANE STRIPING AND LANE TO MAINTAIN LANE DISCIPLINE AND TO STAY IN LANE IF STRUCK. THE PARKING BRAKE SHALL BE SET WHENEVER POSSIBLE. TWO-WAY RADIOS SHOULD BE USED TO COMMUNICATE BETWEEN THE OPERATOR AND THE WORK CREW.
7. IN A STATIONARY OPERATION THAT OCCUPIES A LOCATION FOR MORE THAN 1 HOUR, ONCE THE PROTECTIVE VEHICLE HAS BEEN APPROPRIATELY PLACED, IT SHOULD BE UNOCCUPIED. UNOCCUPIED VEHICLE SHALL BE POSITIONED PARALLEL TO TRAFFIC, PARKING BRAKE SET, PLACED IN 2ND GEAR (MANUAL TRANSMISSIONS /ENGINE OFF) OR PARK / NEUTRAL (AUTOMATIC TRANSMISSIONS). THE FRONT WHEELS SHALL BE ALIGNED WITH THE LANE STRIPING AND LANE TO MAINTAIN LANE DISCIPLINE AND TO STAY IN LANE IF STRUCK.
8. NO WORK ACTIVITY, EQUIPMENT, VEHICLES AND/OR MATERIALS SHALL BE LOCATED BETWEEN THE PROTECTIVE VEHICLE AND THE ACTIVE WORK AREA (ROLL AHEAD DISTANCE).
9. DIRECT VERBAL COMMUNICATION BETWEEN THE PROTECTIVE VEHICLES AND THE WORK VEHICLE(S) / EQUIPMENT SHALL BE UTILIZED WHERE AVAILABLE.

CHANNELIZING DEVICES

1. WHERE POSSIBLE ALL CHANNELIZING AND GUIDING DEVICES ARE TO BE PLACED SO AS TO PROVIDE A MINIMUM 2' LATERAL CLEARANCE TO THE TRAVELED WAY.
2. A DROP-OFF OF GREATER THAN 24 INCHES WITHIN 10 FEET FROM THE EDGE OF THE TRAVELED WAY TO REMAIN AT THE END OF THE WORK SHIFT SHALL BE SEPARATED FROM TRAFFIC WITH POSITIVE BARRIER. FOR POSTED SPEED LIMIT OF 45 MPH AND LESS, A DROP-OFF OF GREATER THAN 24 INCHES WITHIN 10 FEET FROM THE EDGE OF THE TRAVELED WAY THAT IS 100 FEET OR LESS IN LENGTH WILL BE ALLOWED WITH CHANNELIZING DEVICES CONSISTING OF DRUMS, EXTRA TALL CONES, OR OVERSIZED VERTICAL PANELS ONLY AT A MAXIMUM SPACING OF 20 FEET FOR SHORT DURATIONS NOR TO EXCEED ONE WORK SHIFT.
3. TEMPORARY POSITIVE BARRIER MAY BE SUBSTITUTED WITH DRUM CHANNELIZING DEVICES, IN SOME CIRCUMSTANCES, WITH APPROVAL OF THE REGIONAL TRAFFIC ENGINEER BASED ON GUIDANCE FOUND IN THE HIGHWAY DESIGN MANUAL AND ENGINEERING JUDGEMENT.


PUBLIC ACCESS

1. PROPERTY OWNERS WHOSE DRIVEWAYS WILL BE MADE INACCESSIBLE SHALL BE NOTIFIED 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.
2. SUITABLE RAMPS SHALL BE INSTALLED TO MAINTAIN SMOOTH TRANSITIONS FROM RESIDENTIAL AND COMMERCIAL DRIVEWAYS TO AND FROM THE WORK AREA.

LANE CLOSURES

1. LANE CLOSURES SHALL BE LOCATED TO PROVIDE OPTIMUM VISIBILITY, I.E. BEFORE CURVES AND CRESTS, TO THE EXTENT CONDITIONS PERMIT.
2. 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.
3. EACH ARROW PANEL SHALL BE VISIBLE 1500 FEET IN ADVANCE FROM ANY POINT WITHIN THE ROADWAY.

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| U.S. CUSTOMARY STANDARD SHEET | |
| WORK ZONE TRAFFIC CONTROL GENERAL NOTES (SHEET 1 OF 2) | |
| ERRATA 2 EFF. 09/01/23 ISSUED WITH EB 23-016 | APPROVED DECEMBER 21, 2022 <i>Robert Limoges</i> ROBERT LIMOGES, P.E. DIRECTOR, OTSM |
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WORK DURATION DEFINITIONS

1. THERE ARE MAINLY FIVE WORK DURATIONS:
 - A. LONG-TERM IS STATIONARY WORK THAT OCCUPIES A LOCATION MORE THAN 3 CONSECUTIVE DAYS.
 - B. INTERMEDIATE-TERM IS STATIONARY WORK THAT OCCUPIES A LOCATION MORE THAN ONE DAYLIGHT PERIOD UP TO 3 CONSECUTIVE DAYS, OR NIGHTTIME WORK LASTING MORE THAN 1 HOUR.
 - C. SHORT-TERM IS STATIONARY DAYTIME WORK THAT OCCUPIES A LOCATION FOR MORE THAN 1 HOUR WITHIN A SINGLE DAYLIGHT PERIOD.
 - D. SHORT DURATION IS WORK THAT OCCUPIES A LOCATION UP TO 1 HOUR. IT CAN BE PERFORMED DURING THE DAYTIME OR AT NIGHT IN ACCORDANCE WITH NOTES N1 TO N11 NOTES ON NIGHTTIME WORK.
 - E. MOBILE IS WORK THAT MOVES INTERMITTENTLY OR CONTINUOUSLY WHERE THE WORK AT ANY SPECIFIC LOCATION COMPLETES WITHIN 15 MINUTES. IT IS USED FOR VEHICLE BASED OPERATIONS AND DOES NOT INVOLVE WORKERS ON FOOT. IT CAN BE PERFORMED DURING THE DAYTIME OR AT NIGHT IN ACCORDANCE WITH NOTES N1 TO N10 NOTES ON NIGHTTIME WORK.
2. SPECIAL OPERATIONS ARE WORK OPERATIONS THAT DO NOT FIT INTO ONE OF THE ABOVE FIVE CATEGORIES. SPECIAL OPERATIONS INCLUDE:
 - A. STOP AND GO OPERATIONS - WORK THAT COMPLETES WITHIN 5 MINUTES AND ALLOWS WORKERS ON FOOT.
 - B. OTHER OPERATIONS INCLUDING MOWING, MULCHING/HERBICIDE OPERATIONS, TEMPORARY ROAD/INTERSECTION CLOSURES, ETC.

ROADWAY TYPE DEFINITIONS

1. FREEWAY:
 - A. INTERSTATE: INTERREGIONAL HIGH-SPEED, HIGH-VOLUME, DIVIDED FACILITIES WITH COMPLETE CONTROL OF ACCESS.
 - B. PARKWAY: DIVIDED HIGHWAYS FOR NON-COMMERCIAL TRAFFIC WITH FULL CONTROL OF ACCESS, GRADE PARKWAY SEPARATIONS, INTERCHANGES, AND OCCASIONAL AT-GRADE INTERSECTIONS. PARKWAYS ARE DESIGNATED BY LAW.
2. EXPRESSWAY: DIVIDED HIGHWAYS FOR THROUGH TRAFFIC WITH FULL OR PARTIAL CONTROL OF ACCESS AND GENERALLY WITH GRADE SEPARATIONS AT MAJOR CROSSROADS. ALL FREEWAY STANDARD SHEETS ARE APPLICABLE TO EXPRESSWAY.
3. NON-FREEWAY:
 - A. MULTILANE DIVIDED HIGHWAY
 - B. MULTILANE UNDIVIDED HIGHWAY
 - C. TWO-LANE TWO-WAY ROADWAY

ALL NON-FREEWAYS CAN BE EITHER URBAN OR RURAL:

URBAN: (MEETS MORE THAN 1 OF THE FOLLOWING CRITERIA)

- HIGH DENSITY DEVELOPMENT
- ON-STREET PARKING
- VARIED BUILDING SETBACKS
- MULTI-STORY AND LOW-TO MEDIUM-RISE STRUCTURES FOR RESIDENTIAL
- COMMERCIAL, AND EDUCATIONAL USES, STRUCTURES THAT ACCOMMODATE MIXED USES: COMMERCIAL, RESIDENTIAL, AND PARKING
- LIGHT INDUSTRIAL, AND SOMETIMES HEAVY INDUSTRIAL, LAND USE
- PROMINENT DESTINATIONS WITH SPECIALIZED STRUCTURES, E.G., LARGE THEATERS, SPORTS FACILITIES OR CONFERENCE CENTERS
- HIGH LEVELS OF PEDESTRIAN AND BICYCLIST ACTIVITY, WITH NEARLY CONTINUOUS SIDEWALKS AND MARKED CROSSWALKS
- HIGHER DENSITY OF TRANSIT STOPS AND ROUTES
- DRIVEWAY DENSITIES GREATER THAN 25 DRIVEWAYS/MILE ON EACH SIDE OF THE ROAD
- MINOR COMMERCIAL DRIVEWAY DENSITIES OF 10 DRIVEWAYS/MILE OR GREATER
- MAJOR COMMERCIAL DRIVEWAYS
- HIGH DENSITY OF CROSS STREETS

RURAL: DOES NOT MEET MORE THAN ONE OF THE ABOVE CRITERIA.

NOTES FOR NIGHTTIME OPERATIONS:

- N1. WORK OCCURRING AFTER SUNSET AND BEFORE SUNRISE WILL BE CONSIDERED NIGHTTIME OPERATIONS.
- N2. ALL SIGNS, STOP/SLOW PADDLES AND RED FLAGS USED TO WARN/ALERT/CONTROL TRAFFIC SHALL BE RETROREFLECTIVE.
- N3. ALL WORKERS INVOLVED SHALL WEAR PROTECTIVE HELMETS AND NIGHTTIME APPAREL IN ACCORDANCE WITH §107-05A. HIGH VISIBILITY APPAREL AT ALL TIMES.
- N4. VEHICLES OPERATING ON THE PAVEMENT OF A CLOSED ROADWAY OR TRAVEL LANE SHALL DISPLAY ROTATING AMBER BEACONS OR FLASHING LED BEACONS AT ALL TIMES.
- N5. LEVEL I ILLUMINATION SHALL BE PROVIDED NEAR THE BEGINNING OF LANE CLOSURE TAPERS AND AT ROAD CLOSURES, INCLUDING THE SETUP AND REMOVAL OF THE CLOSURE TAPERS.
- N6. LEVEL II ILLUMINATION SHALL BE PROVIDED FOR FLAGGING STATIONS, ASPHALT PAVING, MILLING, AND CONCRETE PLACEMENT AND/OR REMOVAL OPERATIONS, INCLUDING BRIDGE DECKS, 50 FEET AHEAD OF AND 100 FEET BEHIND A PAVING OR MILLING MACHINE.
- N7. LEVEL III ILLUMINATION SHALL BE PROVIDED FOR PAVEMENT OR STRUCTURAL CRACK FILLING, JOINT REPAIR, PAVEMENT PATCHING AND REPAIRS, INSTALLATION OF SIGNAL EQUIPMENT OR OTHER ELECTRICAL/MECHANICAL EQUIPMENT, AND OTHER TASKS INVOLVING FINE DETAILS OR INTRICATE PARTS AND EQUIPMENT.
- N8. ALL LIGHTING SHALL BE DESIGNED, INSTALLED, AND OPERATED TO AVOID GLARE THAT AFFECTS TRAFFIC ON THE ROADWAY OR THAT CAUSES ANNOYANCE OR DISCOMFORT FOR RESIDENCES ADJOINING THE ROADWAY.
- N9. PRIOR TO THE START OF NIGHTTIME OPERATIONS, A WRITTEN NIGHTTIME OPERATIONS AND LIGHTING PLAN IS REQUIRED FOR APPROVAL FROM THE DOT ENGINEER.
- N10. SEE STANDARD SPECIFICATIONS §619 FOR ADDITIONAL REQUIREMENTS AND CONSIDERATIONS. REFER TO SECTION 619-3.19B FOR BALLOON LIGHTING REQUIREMENTS.
- N11. FLAGGERS SHALL USE A FLASHLIGHT WITH RED GLOW CONE/RED LED BATON FOR FLAGGING IN NON-ILLUMINATED FLAGGER STATIONS DURING NIGHTTIME OPERATIONS.

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U.S. CUSTOMARY STANDARD SHEET

**WORK ZONE TRAFFIC CONTROL
GENERAL NOTES
(SHEET 2 OF 2)**

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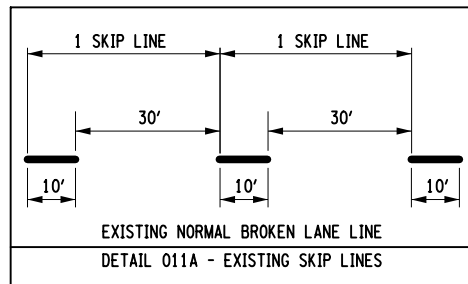
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| WORK ZONE TRAFFIC CONTROL LEGEND | |
|----------------------------------|--|
| SYMBOL | DESCRIPTION |
| | ARROW PANEL |
| | ARROW PANEL, CAUTION MODE |
| | ARROW PANEL TRAILER OR SUPPORT |
| | CHANGEABLE MESSAGE SIGN (PVMS) |
| | CHANNELIZING DEVICE |
| | CONE |
| | CRASH CUSHION/TEMPORARY IMPACT ATTENUATOR |
| | DIRECTION OF TEMPORARY TRAFFIC DETOUR |
| | DIRECTION OF TRAFFIC |
| | AUTOMATED FLAGGER ASSISTANCE DEVICE WITH OPERATOR |
| | FLAGGER |
| | FLAG TREE |
| | LUMINAIRE |
| | MOWER |
| | PARKWAY GRASS SHOULDER |
| | PAVEMENT MARKINGS THAT SHALL BE REMOVED FOR A LONG TERM PROJECT |
| | PORTABLE VARIABLE MESSAGE SIGN |
| | ADVANCE WARNING SIGN WITH ORANGE FLAGS |
| | TRAILER FOR ARROW PANEL OR PORTABLE VARIABLE MESSAGE SIGN (PVMS) |

| WORK ZONE TRAFFIC CONTROL LEGEND | |
|----------------------------------|--|
| SYMBOL | DESCRIPTION |
| | SIGN, TEMPORARY |
| | SPOTTER |
| | TEMPORARY POSITIVE BARRIER |
| | TEMPORARY POSITIVE BARRIER WITH WARNING LIGHTS |
| | TEMPORARY TRAFFIC SIGNAL HEAD |
| | TYPE III BARRICADE |
| | WARNING LIGHTS |
| | WORK AREA |
| | WORK VEHICLE |
| | WORK VEHICLE (MULCHING/HERBICIDE OPERATION) |
| | WORK VEHICLE (PAVEMENT MARKING) |
| | WORK VEHICLE (SIGNAL WORK) |
| | PROTECTIVE VEHICLE |
| | PROTECTIVE VEHICLE LIGHT |
| | PROTECTIVE VEHICLE HEAVY |
| | TRUCK/TRAILER MOUNTED IMPACT ATTENUATOR (TMIA) |



U.S. CUSTOMARY STANDARD SHEET

WORK ZONE TRAFFIC CONTROL
GENERAL TABLES AND LEGEND
(SHEET 1 OF 2)

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TABLE 011-01: PROTECTIVE VEHICLE REQUIREMENTS A,B

| CLOSURE TYPE | DURATION | MOBILE OPERATION AND STOP & GO | | | | SHORT DURATION OPERATION | | | | SHORT TERM OPERATION | | | | INTERMEDIATE TERM OPERATION | | | | LONG TERM OPERATION | | | |
|----------------------------------|--|--------------------------------|-------------|-------------|----------|--------------------------|----------|-------------|-------------|----------------------|----------|-------------|------------|-----------------------------|-------------|-------------|------------|---------------------|------------|------------|------------|
| | | ROAD TYPE & SPEED | | NON-FREEWAY | | NON-FREEWAY | | NON-FREEWAY | | NON-FREEWAY | | NON-FREEWAY | | NON-FREEWAY | | NON-FREEWAY | | NON-FREEWAY | | | |
| | EXPOSURE CONDITIONS (SEE NOTE 1) | | FREEWAY | NON-FREEWAY | FREEWAY | NON-FREEWAY | FREEWAY | NON-FREEWAY | FREEWAY | NON-FREEWAY | FREEWAY | NON-FREEWAY | FREEWAY | NON-FREEWAY | FREEWAY | NON-FREEWAY | FREEWAY | NON-FREEWAY | | | |
| | | ≥ 45 MPH | 35 - 40 MPH | ≤ 30 MPH | ≥ 45 MPH | 35 - 40 MPH | ≤ 30 MPH | ≥ 45 MPH | 35 - 40 MPH | ≤ 30 MPH | ≥ 45 MPH | 35 - 40 MPH | ≤ 30 MPH | ≥ 45 MPH | 35 - 40 MPH | ≤ 30 MPH | ≥ 45 MPH | 35 - 40 MPH | ≤ 30 MPH | | |
| LANE CLOSURE OR ENCROACHMENT | WORKERS ON FOOT OR WORK VEHICLE EXPOSED TO TRAFFIC | PVH+TMIA | PVH+TMIA | PVL+TMIA | PVL | PVH+TMIA | PVH+TMIA | PVL+TMIA | PVL | PVH+TMIA | PVH+TMIA | PVL+TMIA | PVL | PVH+TMIA | PVH+TMIA | PVL+TMIA | SEE NOTE 2 | PVH+TMIA | PVH+TMIA | PVL+TMIA | SEE NOTE 2 |
| | -NO WORKERS ON FOOT -NO WORK VEHICLE EXPOSED TO TRAFFIC -OTHER HAZARDS EXPOSED (IE EQUIPMENT, MATERIALS) | | | | | PVH+TMIA | PVH+TMIA | PVL | PVL | PVH+TMIA | PVH+TMIA | PVL | SEE NOTE 2 | PVH+TMIA | PVH+TMIA | SEE NOTE 2 | SEE NOTE 2 | PVH+TMIA | PVH+TMIA | SEE NOTE 2 | SEE NOTE 2 |
| SHOULDER CLOSURE OR ENCROACHMENT | WORKERS ON FOOT OR WORK VEHICLE EXPOSED TO TRAFFIC | PVH+TMIA | PVH+TMIA | PVL+TMIA | PVL | PVH+TMIA | PVH+TMIA | PVL | PVL | PVH+TMIA | PVH+TMIA | PVL | PVL | PVH+TMIA | PVH+TMIA | SEE NOTE 2 | SEE NOTE 2 | PVH+TMIA | PVH+TMIA | SEE NOTE 2 | SEE NOTE 2 |
| | -NO WORKERS ON FOOT -NO WORK VEHICLE EXPOSED TO TRAFFIC -OTHER HAZARDS EXPOSED (IE EQUIPMENT, MATERIALS, EXCAVATION) | | | | | PVH+TMIA | PVH+TMIA | PVL | PVL | PVH+TMIA | PVH+TMIA | PVL | SEE NOTE 2 | PVH+TMIA | SEE NOTE 3 | SEE NOTE 2 | SEE NOTE 2 | PVH+TMIA | SEE NOTE 3 | SEE NOTE 2 | SEE NOTE 2 |

LEGEND
 PVL - PROTECTIVE VEHICLE LIGHT (MINIMUM GROSS WEIGHT 9,500 LBS. OR GREATER) (SEE NOTE 5)
 PVH - PROTECTIVE VEHICLE HEAVY (MINIMUM GROSS WEIGHT 22,000 LBS. OR GREATER)
 TMIA - TRUCK/TRAILER MOUNTED IMPACT ATTENUATOR

A. THESE PROTECTIVE VEHICLE REQUIREMENTS ARE NOT APPLICABLE TO PAVING AND MILLING OPERATIONS. A STANDARD BUFFER SPACE SHALL BE PROVIDED FOR THESE OPERATIONS IN ACCORDANCE WITH TABLE 011-03.
 B. THESE PROTECTIVE VEHICLE REQUIREMENTS ARE NOT APPLICABLE TO FLAGGING OPERATIONS. PROTECTIVE VEHICLES WITH APPROPRIATE ROLL AHEAD DISTANCE MAY BE USED IN ADVANCE OF THE WORK AREA IF DEEMED NECESSARY BY THE DOT ENGINEER AND THEIR DESIGNEE.

NOTES
 1. THE EXPOSURE CONDITIONS ASSUME THERE IS NO POSITIVE PROTECTION PRESENT.
 2. EITHER A PROTECTIVE LIGHT (PVL) OR THE STANDARD BUFFER SPACE (SEE TABLE 011-03) SHALL BE PROVIDED.
 3. EITHER A PROTECTIVE VEHICLE HEAVY (PVH) OR THE STANDARD BUFFER SPACE (SEE TABLE 011-03) SHALL BE PROVIDED.
 4. TRUCK/TRAILER MOUNTED IMPACT ATTENUATORS (TMIA) SHALL NOT BE MOUNTED/INSTALLED ON VEHICLES WITH A GROSS VEHICLE WEIGHT (GVW) LESS THAN WHAT IS MINIMALLY REQUIRED BY THE MANUFACTURER OF THE TMIA.
 5. THE USE OF A PROTECTIVE VEHICLE LIGHT (PVL) AS A SHADOW VEHICLE IS LIMITED TO NON-FREEWAY ROADWAYS WHERE THE POSTED SPEED LIMITS IS ≤ 40 MPH UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.

TABLE 011-02: TAPER LENGTHS & NUMBER OF CONES CHART

| PRECONSTRUCTION POSTED SPEED LIMIT (MPH) | TAPER LENGTH: (FT.) / * OF SKIP LINES / * OF CHANNELIZING DEVICES | | | | | | | | | | SHOULDER TAPER LENGTH: (FT.) / * OF SKIP LINES / * OF CHANNELIZING DEVICES FOR SHOULDER WIDTH | | | | | |
|--|---|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|---|---------|---------|---------|---------|---------|
| | LATERAL SHIFT OF TRAFFIC FLOW PATH (FT.) | | | | | | | | | | | | | | | |
| | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | ≤ 4 FT. | 5 - 7 FT. | 8 FT. | 9 FT. | 10 FT. | 11 FT. | 12 FT. |
| 25 | 40/1/2 | 80/2/3 | 80/2/3 | 80/2/3 | 80/2/3 | 120/3/4 | 120/3/4 | 120/3/4 | 120/3/4 | 40/1/2 | 40/1/2 | 40/1/2 | 40/1/2 | 40/1/2 | 40/1/2 | 40/1/2 |
| 30 | 80/2/3 | 80/2/3 | 80/2/3 | 120/3/4 | 120/3/4 | 160/4/5 | 160/4/5 | 160/4/5 | 200/5/6 | 40/1/2 | 40/1/2 | 40/1/2 | 40/1/2 | 80/2/3 | 80/2/3 | 80/2/3 |
| 35 | 80/2/3 | 120/3/4 | 120/3/4 | 160/4/5 | 160/4/5 | 200/5/6 | 200/5/6 | 240/6/7 | 240/6/7 | 40/1/2 | 40/1/2 | 80/2/3 | 80/2/3 | 80/2/3 | 80/2/3 | 80/2/3 |
| 40 | 120/3/4 | 160/4/5 | 160/4/5 | 200/5/6 | 240/6/7 | 240/6/7 | 280/7/8 | 320/8/9 | 320/8/9 | 40/1/2 | 80/2/3 | 80/2/3 | 80/2/3 | 120/3/4 | 120/3/4 | 120/3/4 |
| 45 | 200/5/6 | 240/6/7 | 280/7/8 | 320/8/9 | 360/9/10 | 400/10/11 | 440/11/12 | 520/13/14 | 560/14/15 | 80/2/3 | 80/2/3 | 120/3/4 | 120/3/4 | 120/3/4 | 120/3/4 | 160/4/5 |
| 50 | 200/5/6 | 240/6/7 | 320/8/9 | 360/9/10 | 400/10/11 | 440/11/12 | 520/13/14 | 560/14/15 | 600/15/16 | 80/2/3 | 120/3/4 | 160/4/5 | 160/4/5 | 160/4/5 | 160/4/5 | 160/4/5 |
| 55 | 240/6/7 | 280/7/8 | 320/8/9 | 400/10/11 | 440/11/12 | 520/13/14 | 560/14/15 | 600/15/16 | 680/17/18 | 80/2/3 | 120/3/4 | 160/4/5 | 160/4/5 | 160/4/5 | 200/5/6 | 200/5/6 |
| 60 | 240/6/7 | 320/8/9 | 360/9/10 | 440/11/12 | 480/12/13 | 560/14/15 | 600/15/16 | 680/17/18 | 720/18/19 | 80/2/3 | 120/3/4 | 160/4/5 | 200/5/6 | 200/5/6 | 240/6/7 | 240/6/7 |
| 65 | 280/7/8 | 320/8/9 | 400/10/11 | 480/12/13 | 520/13/14 | 600/15/16 | 640/16/17 | 720/18/19 | 800/19/20 | 80/2/3 | 160/4/5 | 200/5/6 | 240/6/7 | 240/6/7 | 280/7/8 | 280/7/8 |

* THIS TABLE WAS CREATED WITH REFERENCE TO MUTCD TABLE 6H-4.
 ** THE NUMBER OF CHANNELIZING DEVICES SHOWN IS CALCULATED BASED ON A 40FT DEVICE SPACING. THE NUMBER OF CHANNELIZING DEVICES CAN BE ADJUSTED AS NECESSARY.

TABLE 011-03 LONGITUDINAL BUFFER SPACE

| PRECONSTRUCTION POSTED SPEED LIMIT (MPH) | DISTANCE (FT.) / * OF SKIP LINES |
|--|----------------------------------|
| 25 | 155 / 4 |
| 30 | 200 / 5 |
| 35 | 250 / 6 |
| 40 | 305 / 8 |
| 45 | 360 / 9 |
| 50 | 425 / 11 |
| 55 | 495 / 13 |
| 65 | 645 / 16 |

* THIS TABLE IS THE SAME AS MUTCD TABLE 6C-2.

TABLE 011-04: ROLL AHEAD DISTANCE FOR PROTECTIVE VEHICLES

| PRECONSTRUCTION POSTED SPEED LIMIT (MPH) | ROLL AHEAD DISTANCE (FT.) / * OF SKIP LINES FOR VEHICLES | | | |
|--|--|--------------------------------|---|--------------------------------|
| | PROTECTIVE VEHICLES WEIGHING 9,500 TO 21,999 LBS. GVW | | PROTECTIVE VEHICLES WEIGHING 22,000 LBS. OR GREATER GVW | |
| | STATIONARY OPERATION | MOVING OPERATION (15 MPH MAX.) | STATIONARY OPERATION | MOVING OPERATION (15 MPH MAX.) |
| ≥ 60 | 200/5 | 240/6 | 160/4 | 200/5 |
| 45 - 55 | 160/4 | 200/5 | 120/3 | 160/4 |
| ≤ 40 | 120/3 | 120/3 | 80/2 | 120/3 |

TABLE 011-05 FLARE RATES FOR POSITIVE BARRIER

| TYPE OF POSITIVE BARRIER | POSTED SPEED LIMIT | | | | |
|--|--------------------|--------|--------|--------|--------|
| | 30 MPH | 40 MPH | 50 MPH | 55 MPH | 65 MPH |
| TEMPORARY POSITIVE BARRIER | 8:1 | 11:1 | 14:1 | 16:1 | 20:1 |
| BOX BEAM OR HEAVY POST CORRUGATED BEAM | 7:1 | 9:1 | 11:1 | 12:1 | 15:1 |

TABLE 011-06 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 | AHEAD | AHEAD |
| URBAN (35-40 MPH*) | 200 | 200 | 200 | AHEAD | AHEAD |
| URBAN (≥ 45 MPH*) | 350 | 350 | 350 | 1000 FT. | AHEAD |
| RURAL | 500 | 500 | 500 | 1500 FT. | 1000 FT. |
| FREEWAY | 1000 | 1500 | 2640 | 1 MILE | 1/2 MILE |

* PRECONSTRUCTION POSTED SPEED LIMIT.
 ** THIS TABLE IS THE SAME AS MUTCD TABLE NY6H-3.

TABLE 011-07 TAPER LENGTH FOR TEMPORARY TRAFFIC CONTROL ZONES

| TYPE OF TAPER | TAPER LENGTH (L) |
|---------------------------------|-------------------------|
| MERGING TAPER | L |
| SHIFTING TAPER | L/2 |
| SHOULDER TAPER | L/3 |
| ONE-LANE, TWO-WAY TRAFFIC TAPER | 50 FT. MIN -100 FT. MAX |
| DOWNSTREAM TAPER | 50 FT. MIN -100 FT. MAX |

* THIS TABLE IS THE SAME AS MUTCD TABLE 6C-3.

FILE NAME = 619-011-2.dgn
 DATE/TIME = 04-MAY-2023 10:57
 USER = rfoote



U.S. CUSTOMARY STANDARD SHEET

WORK ZONE TRAFFIC CONTROL
 GENERAL TABLES AND LEGEND
 (SHEET 2 OF 2)

ERRATA 2 EFF. 09/01/23
 ISSUED WITH EB 23-016
 ERRATA 1 EFF. 05/01/2023
 ISSUED WITH EB 22-033

APPROVED DECEMBER 21, 2022
 Robert Limoges
 ROBERT LIMOGES, P.E.
 DIRECTOR, OTSM
 ISSUED UNDER EI 22-033
 619-011

WORK ZONE TRAFFIC CONTROL SIGN TABLE

| SIGN | SIGN DESIGNATION | COLOR CODE | NON-FREEWAY | EXPRESSWAY | FREEWAY |
|------|------------------------|---------------|--------------------------|------------|---------|
| | E5-1 | C | ----- | 72"x60" | 72"x60" |
| | G20-1 | A | 36"x18" | 48"x24" | 48"x24" |
| | G20-2 | A | 36"x18" | 48"x24" | 48"x24" |
| | G20-4 | A | 36"x18" | ----- | ----- |
| | G20-5aP | A | 24"x18" | 36"x24" | 36"x24" |
| | M1-1 | G | 1 OR 2 DIGITS 24"x24" | 36"x36" | 36"x36" |
| | M1-1t | G | 3 DIGITS 30"x24" | 45"x36" | 45"x36" |
| | M1-4 | B | 1 OR 2 DIGITS 24"x24" | 36"x36" | 36"x36" |
| | M1-4t | B | 3 DIGITS 30"x24" | 45"x36" | 45"x36" |
| | M3-1 | SEE NOTE 3 | 24"x12" | 36"x18" | 36"x18" |
| | M3-2 | | | | |
| | M3-3 | | | | |
| | M3-4 | | | | |
| | M4-8 | A | 24"x12" | 36"x18" | 36"x18" |
| | M4-8a | A | 24"x18" | 24"x18" | 24"x18" |
| | M4-9 M4-9L M4-9R | A | 30"x24" | 48"x36" | 48"x36" |
| | M4-9a | A | 30"x24" | 30"x24" | ----- |
| | M4-9b | A | 30"x24" | 30"x24" | ----- |
| | M4-9c | A | 30"x24" | 30"x24" | ----- |
| | M4-10L | A | 48"x18" | 48"x18" | 48"x18" |
| | M4-10R | | | | |
| | M5-1 | SEE NOTE 3 | 21"x15" | 30"x21" | 30"x21" |
| | M5-2 | SEE NOTE 3 | 21"x15" | 30"x21" | 30"x21" |
| | M6-1 | SEE NOTE 3 | 21"x15" | 30"x21" | 30"x21" |
| | M6-2 | | | | |
| | M6-3 | | | | |
| | M6-4 | | | | |
| | NYM3-1 | B | 24"x24" | 36"x36" | 36"x36" |
| | NYM3-2 | B | 30"x24" | 45"x36" | 45"x36" |
| | NYM3-3 | B | 30"x24" | 45"x36" | 45"x36" |

WORK ZONE TRAFFIC CONTROL SIGN TABLE

| SIGN | SIGN DESIGNATION | COLOR CODE | NON-FREEWAY | EXPRESSWAY | FREEWAY |
|------|-------------------------|------------|--|-------------|-------------|
| | NYR9-11 | B | 24"x42" | 48"x84" | 48"x84" |
| | NYR9-12 | B | 24"x36" | 36"x54" | 48"x72" |
| | NYW4-17 | A | 36"x36" | 48"x48" | 48"x48" |
| | NYW8-30 | A | 48"x24" | 48"x24" | 48"x24" |
| | NYW8-31 | A | 48"x24" | 48"x24" | 48"x24" |
| | NYW8-32 | A | 48"x24" | 48"x24" | 48"x24" |
| | NYW8-33 | A | 48"x24" | 48"x24" | 48"x24" |
| | R1-1 | D | 36"x36" | 36"x36" | 48"x48" |
| | R1-2 | E | 36"x36"x36" | 48"x48"x48" | 60"x60"x60" |
| | R2-1 | B | 24"x30" OR 30"x36" (SEE NOTE 5) | 36"x48" | 36"x48" |
| | R2-11 | B | 24"x30" | 36"x48" | 36"x48" |
| | R2-12 | B | 24"x36" | 36"x54" | 36"x54" |
| | R4-1 | B | 24"x30" | 36"x48" | 36"x48" |
| | R4-7 R4-7c NARROW | B | 24"x30" | 36"x48" | 36"x48" |
| | R4-8 R4-8c NARROW | B | 24"x30" | 36"x48" | 36"x48" |
| | R4-9 | B | 24"x30" | 36"x48" | 36"x48" |
| | R5-1 | E | 36"x36" | 36"x36" | 48"x48" |
| | R8-3 | E | 24"x24" | 36"x36" | 48"x48" |
| | R9-8 | B | 36"x18" | 36"x18" | ----- |
| | R9-9 | B | 24"x12" | 24"x12" | ----- |
| | R9-10 | B | 24"x12" | 24"x12" | ----- |
| | R9-10L R9-10R | B | 24"x12" | 24"x12" | ----- |
| | R9-11L R9-11R | B | 24"x18" | 24"x18" | ----- |
| | R9-11dL R9-11dR | B | 24"x12" | 24"x12" | ----- |
| | R10-6 | B | 24"x36" | 24"x36" | ----- |

WORK ZONE TRAFFIC CONTROL SIGN TABLE

| SIGN | SIGN DESIGNATION | COLOR CODE | NON-FREEWAY | EXPRESSWAY | FREEWAY |
|------|------------------|----------------|-------------|------------|---------|
| | R11-2 | B | 48"x30" | 48"x30" | 48"x30" |
| | | | | | |
| | R11-2 (MOD.) | | | | |
| | R11-3a | B | 60"x30" | 60"x30" | ----- |
| | W1-4L W1-4R | A | 36"x36" | 48"x48" | 48"x48" |
| | W1-4bL W1-4bR | A | 36"x36" | 48"x48" | 48"x48" |
| | W1-4cL W1-4cR | A | 36"x36" | 48"x48" | 48"x48" |
| | W1-6L | A | 48"x24" | 60"x30" | 60"x30" |
| | W1-6R | A | | | |
| | W1-8L | A (NO BORDER) | 18"x24" | 30"x36" | 30"x36" |
| | W1-8R | A (NO BORDER) | | | |
| | W3-1 | A ⁴ | 36"x36" | 48"x48" | 48"x48" |
| | W3-2 | A ⁴ | 36"x36" | 48"x48" | 48"x48" |
| | W3-3 | A ⁴ | 36"x36" | 48"x48" | 48"x48" |
| | W3-4 | A | 36"x36" | 48"x48" | 48"x48" |
| | W3-5 | A ⁴ | 36"x36" | 48"x48" | 48"x48" |
| | W4-1L W4-1R | A | 36"x36" | 48"x48" | 48"x48" |
| | W4-2L W4-2R | A | 36"x36" | 48"x48" | 48"x48" |

WORK ZONE TRAFFIC CONTROL SIGN TABLE

| SIGN | SIGN DESIGNATION | COLOR CODE | NON-FREEWAY | EXPRESSWAY | FREEWAY |
|------|------------------|------------|-------------|------------|---------|
| | NYW23-1 | A | 36"x36" | 48"x48" | 48"x48" |
| | G20-5aP | 6F.12 | 24"x18" | 36"x24" | 36"x24" |
| | E5-2 | 6F.28 | 48"x36" | 48"x36" | 48"x36" |
| | E5-2a | 6F.28 | 48"x36" | 48"x36" | 48"x36" |

COLOR CODE LEGEND

| CODE | DESCRIPTION |
|------|--|
| A | BLACK LEGEND AND BORDER ON AN ORANGE BACKGROUND |
| B | BLACK LEGEND AND BORDER ON A WHITE BACKGROUND |
| C | WHITE LEGEND AND BORDER ON A GREEN BACKGROUND |
| D | WHITE LEGEND AND BORDER ON A RED BACKGROUND |
| E | RED LEGEND AND BORDER ON A WHITE BACKGROUND |
| F | BLACK LEGEND AND BORDER ON A FLOURESCENT YELLOW GREEN BACKGROUND |
| G | WHITE LEGEND AND BORDER ON A BLUE AND RED BACKGROUND |

NOTES:

- DIMENSIONS ARE SHOWN AS WIDTH X HEIGHT.
- FOR SIGNAGE NOT SHOWN ON THESE TABLES REFER TO THE M.U.T.C.D.
- COLORS FOR DIRECTION PLAQUES, ADVANCE TURN ARROWS, AND DIRECTIONAL ARROWS SHALL MATCH THE ROUTE OR INTERSTATE SIGN THAT THEY SUPPLEMENT AS PER THE M.U.T.C.D.
- MULTICOLORED SYMBOL IMPOSED ON SIGN WITH BLACK LEGEND AND BORDER ON AN ORANGE BACKGROUND.
- FOR R2-1 SIGN LARGER DIMENSIONS SHALL BE USED WHEN SIGN FACES MULTIPLE LANES ON A CONVENTIONAL ROAD.



U.S. CUSTOMARY STANDARD SHEET

WORK ZONE TRAFFIC CONTROL SIGN TABLE (SHEET 1 OF 2)

APPROVED DECEMBER 2, 2021 ISSUED UNDER EI 21-028

Robert Limoges
ROBERT LIMOGES, P.E.
DIRECTOR, OTSM

619-012

WORK ZONE TRAFFIC CONTROL SIGN TABLE

| SIGN | SIGN DESIGNATION | COLOR CODE | NON-FREEWAY | EXPRESSWAY | FREEWAY |
|------|--------------------|------------|-------------|------------|---------|
| | W5-1 | A | 36"X36" | 48"X48" | 48"X48" |
| | W5-4 | A | 36"X36" | 48"X48" | 48"X48" |
| | W6-3 | A | 36"X36" | 48"X48" | 48"X48" |
| | W7-3dP | A | 24"X18" | 36"X30" | 36"X30" |
| | W8-1 | A | 36"X36" | 48"X48" | 48"X48" |
| | W8-3 | A | 36"X36" | 48"X48" | 48"X48" |
| | W8-7 | A | 36"X36" | 48"X48" | 48"X48" |
| | W8-8 | A | 36"X36" | 48"X48" | 48"X48" |
| | W8-9 | A | 36"X36" | 48"X48" | 48"X48" |
| | W8-12 | A | 36"X36" | ----- | ----- |
| | W8-14 | A | 36"X36" | 48"X48" | 48"X48" |
| | W8-15 | A | 36"X36" | 48"X48" | 48"X48" |
| | W8-17 | A | 36"X36" | 48"X48" | 48"X48" |
| | W8-17p | A | 24"X18" | 30"X24" | 30"X24" |
| | W8-23 | A | 36"X36" | 48"X48" | 48"X48" |
| | W8-24 | A | 36"X36" | 48"X48" | 48"X48" |
| | W9-3 | A | 36"X36" | 48"X48" | 48"X48" |
| | W11-1L W11-1R | A OR F | 36"X36" | 36"X36" | ----- |
| | W11-2L W11-2R | F | 36"X36" | 36"X36" | ----- |
| | W11-15L W11-15R | F | 36"X36" | 36"X36" | ----- |
| | NYW5-32P | A | 24"X18" | 24"X18" | ----- |

WORK ZONE TRAFFIC CONTROL SIGN TABLE

| SIGN | SIGN DESIGNATION | COLOR CODE | NON-FREEWAY | EXPRESSWAY | FREEWAY |
|------|--------------------|-------------------|-------------|------------|---------|
| | W13-1P | A | 24"X24" | 30"X30" | 30"X30" |
| | W13-4 | A | 36"X36" | 36"X36" | 36"X36" |
| | W13-4P | A | 48"X48"X36" | ----- | ----- |
| | W16-2P | A | 24"X18" | 30"X24" | ----- |
| | W16-4P | SEE NOTE 3 A OR F | 30"X24" | ----- | ----- |
| | W16-5PL W16-5PR | A | 24"X18" | ----- | ----- |
| | W16-7PL W16-7PR | SEE NOTE 3 A OR F | 24"X12" | 30"X18" | ----- |
| | W16-9P | SEE NOTE 3 A OR F | 24"X12" | 30"X18" | ----- |
| | W20-1 | A | 36"X36" | 48"X48" | 48"X48" |
| | W20-2 | A | 36"X36" | 48"X48" | 48"X48" |
| | W20-3 | A | 36"X36" | 48"X48" | 48"X48" |
| | W20-4 | A | 36"X36" | 48"X48" | 48"X48" |
| | W20-5 | A | 36"X36" | 48"X48" | 48"X48" |
| | W20-5 | A | 36"X36" | 48"X48" | 48"X48" |
| | W20-5a | A | 36"X36" | 48"X48" | 48"X48" |
| | W20-5a | A | 36"X36" | 48"X48" | 48"X48" |
| | W20-7 | A | 36"X36" | 48"X48" | 48"X48" |

WORK ZONE TRAFFIC CONTROL SIGN TABLE

| SIGN | SIGN DESIGNATION | COLOR CODE | NON-FREEWAY | EXPRESSWAY | FREEWAY |
|------|--------------------|------------|-------------|------------|---------|
| | W21-1 | A | 36"X36" | 48"X48" | 48"X48" |
| | W21-4 | A | 36"X18" | 48"X24" | 48"X24" |
| | W21-5 | A | 36"X36" | 48"X48" | 48"X48" |
| | W21-5dL W21-5dR | A | 36"X36" | 48"X48" | 48"X48" |
| | W21-5dL W21-5dR | A | 36"X36" | 48"X48" | 48"X48" |
| | W21-8 | A | 36"X36" | 48"X48" | 48"X48" |
| | W22-1 | A | 36"X36" | 48"X48" | 48"X48" |
| | W22-2 | A | 42"X36" | 42"X36" | 42"X36" |
| | W22-3 | A | 42"X36" | 42"X36" | 42"X36" |
| | W23-1 | A | 48"X24" | 48"X24" | 48"X24" |
| | W23-2 | A | 36"X36" | 48"X48" | 48"X48" |
| | W24-1L W24-1R | A | 36"X36" | 48"X48" | 48"X48" |
| | W24-1dL W24-1dR | A | 36"X36" | 48"X48" | 48"X48" |
| | W24-1bL W24-1bR | A | 36"X36" | 48"X48" | 48"X48" |

| COLOR CODE LEGEND | |
|-------------------|--|
| CODE | DESCRIPTION |
| A | BLACK LEGEND AND BORDER ON AN ORANGE BACKGROUND |
| B | BLACK LEGEND AND BORDER ON A WHITE BACKGROUND |
| C | WHITE LEGEND AND BORDER ON A GREEN BACKGROUND |
| D | WHITE LEGEND AND BORDER ON A RED BACKGROUND |
| E | RED LEGEND AND BORDER ON A WHITE BACKGROUND |
| F | BLACK LEGEND AND BORDER ON A FLOURESCENT YELLOW GREEN BACKGROUND |
| G | WHITE LEGEND AND BORDER ON A BLUE AND RED BACKGROUND |

NOTES:

- DIMENSIONS ARE SHOWN AS WIDTH X HEIGHT.
- FOR SIGNAGE NOT SHOWN ON THESE TABLES REFER TO THE M.U.T.C.D.
- WHEN USED IN CONJUNCTION WITH A BICYCLE SIGN (W11-1) OR PEDESTRIAN CROSSING (W11-2) COLOR CODE SHALL MATCH.



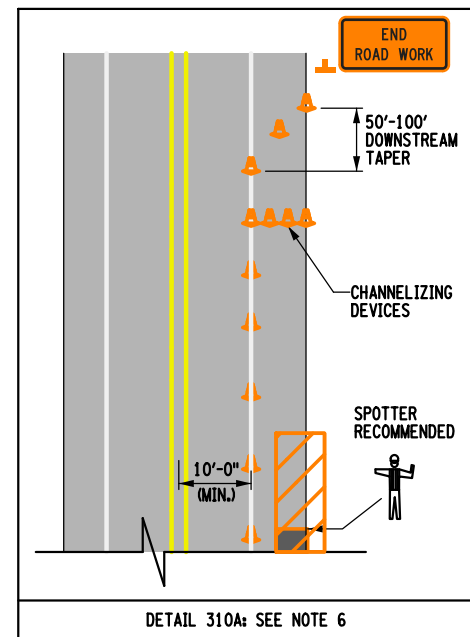
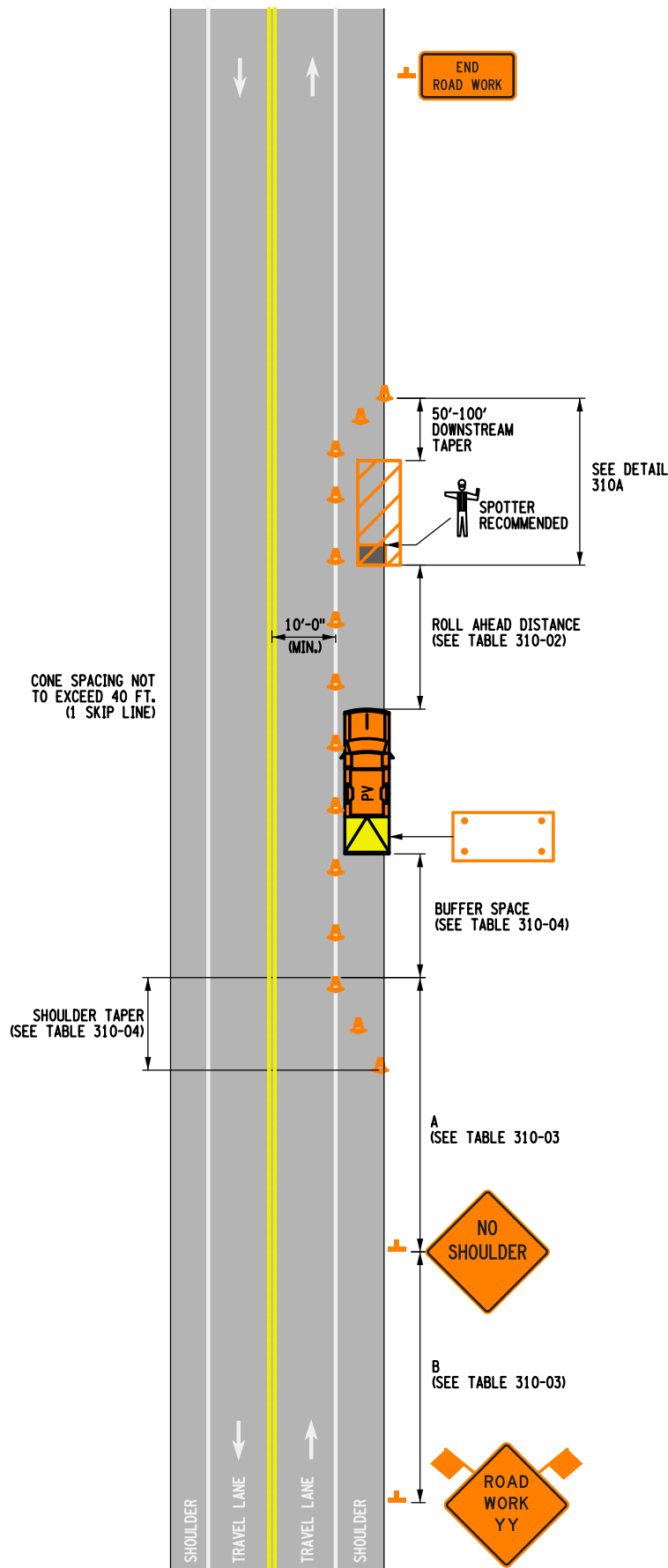
U.S. CUSTOMARY STANDARD SHEET

WORK ZONE TRAFFIC CONTROL SIGN TABLE (SHEET 2 OF 2)

APPROVED DECEMBER 2, 2021 ISSUED UNDER EI 21-028
 Robert Limoges
 ROBERT LIMOGES, P.E.
 DIRECTOR, OTSM
 619-012

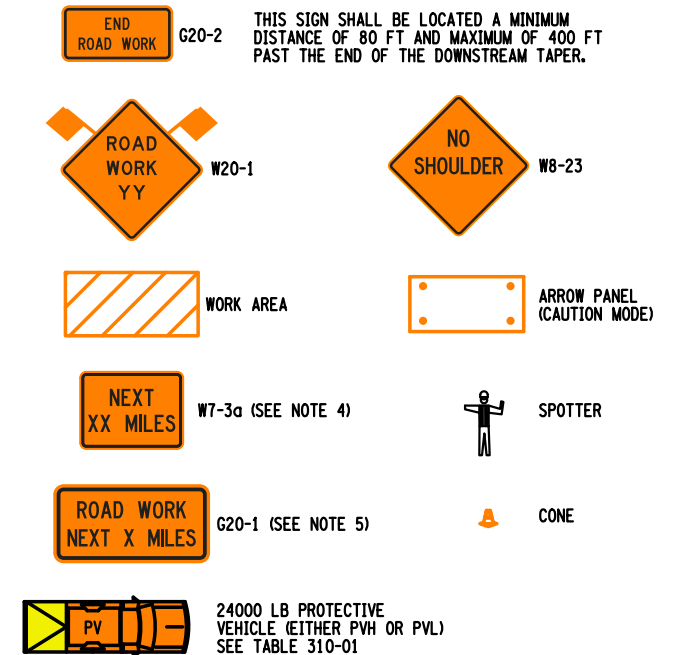
* A FLOURESCENT YELLOW-GREEN BACKGROUND COLOR SHALL BE USED FOR THIS SIGN PLAQUE.

FILE NAME = 619-310-1-LE1.dgn
 DATE/TIME = 14-JUN-2023 14:33
 USER = rfoote



NOTES:

1. SHORT-TERM STATIONARY IS DAYTIME WORK THAT OCCUPIES A LOCATION FOR MORE THAN 1 HOUR WITHIN A SINGLE DAYLIGHT PERIOD.
2. THE PROTECTIVE VEHICLE(S) SHALL MAINTAIN THE APPROPRIATE ROLL AHEAD DISTANCE, BE AN UNOCCUPIED TRUCK POSITIONED PARALLEL TO TRAFFIC, PARKING BRAKE SET, PLACED IN 2ND GEAR (MANUAL TRANSMISSIONS /ENGINE OFF) OR PARK / NEUTRAL (AUTOMATIC TRANSMISSIONS) AND HAVE THE FRONT WHEELS ALIGNED WITH THE LANE STRIPING.
3. THERE SHALL BE NO WORKERS, EQUIPMENT OR OTHER VEHICLES IN THE BUFFER SPACE OR THE ROLL AHEAD DISTANCE.
4. XX IS THE EXPECTED OVERALL LENGTH OF THE OPERATION TO BE COMPLETED WITHIN THE WORK DAY. A SUPPLEMENTAL DISTANCE PLAQUE W7-3a SHALL BE USED WITH SIGN W20-1 WHEN THE DISTANCE BETWEEN THE ADVANCE WARNING SIGNS AND WORK MAY BECOME GREATER THAN 2 MILES AS A RESULT OF THE FOLLOWING SITUATIONS:
 - MULTIPLE WORK LOCATIONS ARE ANTICIPATED WITHIN XX MILES FROM THE W20-1 SIGN
 - WORK AREA WILL BE RELOCATED DURING THE DURATION OF THE WORK WITHIN XX MILES FROM THE W20-1 SIGN.
 THE SUPPLEMENT SIGN W7-3a SHALL INDICATE THE MAXIMUM ANTICIPATED DISTANCE BETWEEN THE W20-1 SIGN AND THE FARTHEST WORK LOCATION.
5. WHEN MULTIPLE WORK LOCATIONS EXIST WITHIN XX MILES FROM THE W20-1 SIGN, A G20-1 SIGN SHALL BE PLACED EVERY TWO MILES INDICATING THE DISTANCE FROM THE SIGN TO THE FARTHEST WORK LOCATION.
6. CHANNELIZING DEVICES SHALL BE PLACED TRANSVERSELY A MINIMUM OF EVERY 800' AS SHOWN WHEN A PAVED SHOULDER HAVING A WIDTH OF 8' OR GREATER IS CLOSED FOR A DISTANCE GREATER THAN 800'.
7. IN URBAN CONDITIONS, ADVANCE WARNING SIGN SPACINGS MAY BE ADJUSTED IN ORDER TO ACCOMMODATE SIDE STREETS AND DRIVEWAYS. IF THERE IS A CONFLICT, MOVE THE SIGN UPSTREAM.



REFER TO SHEET 2 OF 2 FOR ALL TABLES

| | | | |
|---|--|--|--|
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| U.S. CUSTOMARY STANDARD SHEET | | | |
| WORK ZONE TRAFFIC CONTROL NON-FREEWAY SHOULDER CLOSURE SHORT TERM OPERATION (SHEET 1 OF 2) | | | |
| APPROVED DECEMBER 2, 2021 <i>Robert Limoges</i> ROBERT LIMOGES, P.E. DIRECTOR, OTSM | | ISSUED UNDER EI 21-028 619-310 | |

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NOT TO SCALE

| TABLE 310-01: PROTECTIVE VEHICLE REQUIREMENTS | | | | |
|---|--|-------------|-------------|------------|
| CLOSURE TYPE | ROAD TYPE & SPEED EXPOSURE CONDITIONS (SEE NOTE 1) | NON-FREEWAY | | |
| | | ≥ 45 MPH | 35 - 40 MPH | ≤ 30 MPH |
| LANE CLOSURE OR ENCROACHMENT | WORKERS ON FOOT OR WORK VEHICLE EXPOSED TO TRAFFIC | PVH+TMIA | PVL+TMIA | PVL |
| | -NO WORKERS ON FOOT -NO WORK VEHICLE EXPOSED TO TRAFFIC -OTHER HAZARDS EXPOSED (IE EQUIPMENT, MATERIALS) | PVH+TMIA | PVL | SEE NOTE 2 |
| SHOULDER CLOSURE OR ENCROACHMENT | WORKERS ON FOOT OR WORK VEHICLE EXPOSED TO TRAFFIC | PVH+TMIA | PVL | PVL |
| | -NO WORKERS ON FOOT -NO WORK VEHICLE EXPOSED TO TRAFFIC -OTHER HAZARDS EXPOSED (IE EQUIPMENT, MATERIALS, EXCAVATION) | PVH+TMIA | PVL | SEE NOTE 2 |

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

NOTES
1. THE EXPOSURE CONDITIONS ASSUME THERE IS NO POSITIVE PROTECTION PRESENT.
2. EITHER A PROTECTIVE LIGHT (PVL) OR THE STANDARD BUFFER SPACE (SEE TABLE 011-03) SHALL BE PROVIDED.
3. TRUCK/TRAILER MOUNTED IMPACT ATTENUATORS (TMIA) SHALL NOT BE MOUNTED/INSTALLED ON VEHICLES WITH A GROSS VEHICLE WEIGHT (GVW) LESS THAN WHAT IS MINIMALLY REQUIRED BY THE MANUFACTURER OF THE TMIA.
4. THE USE OF A PROTECTIVE VEHICLE LIGHT (PVL) AS A SHADOW VEHICLE IS LIMITED TO NON-FREEWAY ROADWAYS WHERE THE POSTED SPEED LIMITS IS ≤ 40 MPH UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.

| TABLE 310-02: ROLL AHEAD DISTANCE FOR PROTECTIVE VEHICLES | | |
|---|---|---|
| ROLL AHEAD DISTANCE (FT.)/# OF SKIP LINES FOR VEHICLES | | |
| PRECONSTRUCTION POSTED SPEED LIMIT (MPH) | STATIONARY OPERATION | |
| | PROTECTIVE VEHICLES WEIGHING 9,500 TO 21,999 LBS. GVW | PROTECTIVE VEHICLES WEIGHING 22,000 LBS. OR GREATER GVW |
| ≥ 60 | 200/5 | 160/4 |
| 45 - 55 | 160/4 | 120/3 |
| ≤ 40 | 120/3 | 80/2 |

| TABLE 310-03: ADVANCE WARNING SIGN SPACING | | | | |
|--|------------------------|---------|-------------|----------|
| ROAD TYPE | DISTANCE BETWEEN SIGNS | | SIGN LEGEND | |
| | A (FT.) | B (FT.) | XX | YY |
| URBAN (≤ 30 MPH*) | 100 | 100 | AHEAD | AHEAD |
| URBAN (35-40 MPH*) | 200 | 200 | AHEAD | AHEAD |
| URBAN (≥ 45 MPH*) | 350 | 350 | 1000 FT. | AHEAD |
| RURAL | 500 | 500 | 1500 FT. | 1000 FT. |

* PRECONSTRUCTION POSTED SPEED LIMIT

| TABLE 310-04: LONGITUDINAL BUFFER SPACE AND TAPER LENGTHS | | | | | | | | | | | |
|---|--|---|-----------|-----------|--|-----------|---------|---------|---------|---------|---------|
| PRECONSTRUCTION POSTED SPEED LIMIT (MPH) | LONGITUDINAL BUFFER SPACE DISTANCE (FT.)/ # OF SKIP LINES | TAPER LENGTH: (FT.) / # OF SKIP LINES / # OF CHANNELIZING DEVICES | | | SHOULDER TAPER LENGTH: (FT.) / # OF SKIP LINES / # OF CHANNELIZING DEVICES | | | | | | |
| | | LATERAL SHIFT OF TRAFFIC FLOW PATH (FT.) | | | FOR SHOULDER WIDTH | | | | | | |
| | | 10 | 11 | 12 | ≤ 4 FT. | 5 - 7 FT. | 8 FT. | 9 FT. | 10 FT. | 11 FT. | 12 FT. |
| 25 | 155 / 4 | 120/3/4 | 120/3/4 | 120/3/4 | 40/1/2 | 40/1/2 | 40/1/2 | 40/1/2 | 40/1/2 | 40/1/2 | 40/1/2 |
| 30 | 200 / 5 | 160/4/5 | 160/4/5 | 200/5/6 | 40/1/2 | 40/1/2 | 40/1/2 | 40/1/2 | 80/2/3 | 80/2/3 | 80/2/3 |
| 35 | 250 / 6 | 200/5/6 | 240/6/7 | 240/6/7 | 40/1/2 | 40/1/2 | 80/2/3 | 80/2/3 | 80/2/3 | 80/2/3 | 80/2/3 |
| 40 | 305 / 8 | 280/7/8 | 320/8/9 | 320/8/9 | 40/1/2 | 80/2/3 | 80/2/3 | 80/2/3 | 120/3/4 | 120/3/4 | 120/3/4 |
| 45 | 360 / 9 | 440/11/12 | 520/13/14 | 560/14/15 | 80/2/3 | 80/2/3 | 120/3/4 | 120/3/4 | 120/3/4 | 120/3/4 | 160/4/5 |
| 50 | 425 / 11 | 520/13/14 | 560/14/15 | 600/15/16 | 80/2/3 | 120/3/4 | 160/4/5 | 160/4/5 | 160/4/5 | 160/4/5 | 160/4/5 |
| 55 | 495 / 13 | 560/14/15 | 600/15/16 | 680/17/18 | 80/2/3 | 120/3/4 | 160/4/5 | 160/4/5 | 160/4/5 | 200/5/6 | 200/5/6 |

| TABLE 310-05: REQUIRED SIGN SIZES* | | |
|------------------------------------|-------------|---------|
| SIGN | NON-FREEWAY | FREEWAY |
| G20-1 | 36x18 | 48x24 |
| G20-2 | 36x18 | 48x24 |
| W7-3a | 24x18 | 36x30 |
| W8-23 | 36x36 | 48x48 |
| W20-1 | 36x36 | 48x48 |
| WARNING FLAG | 18x18 | 18x18 |

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

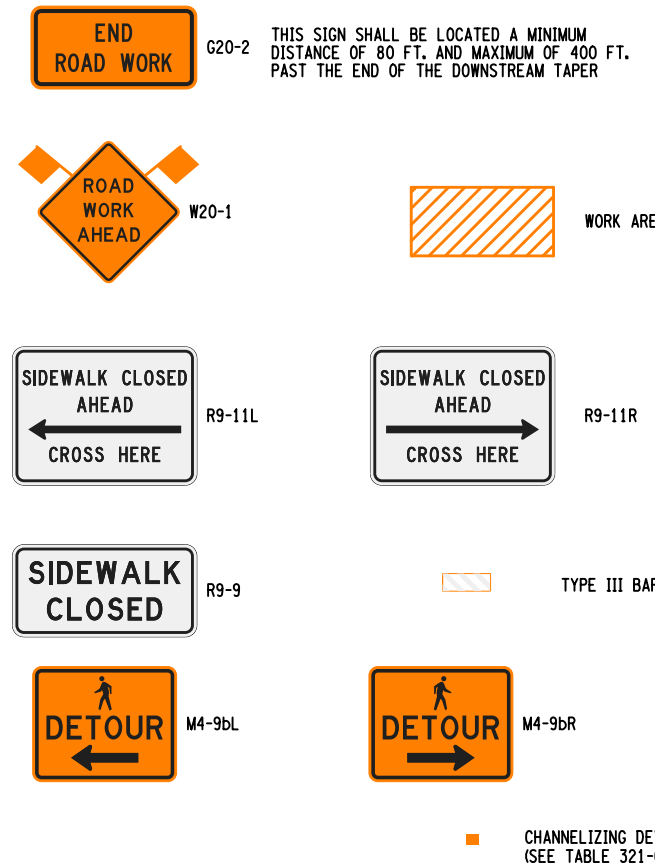
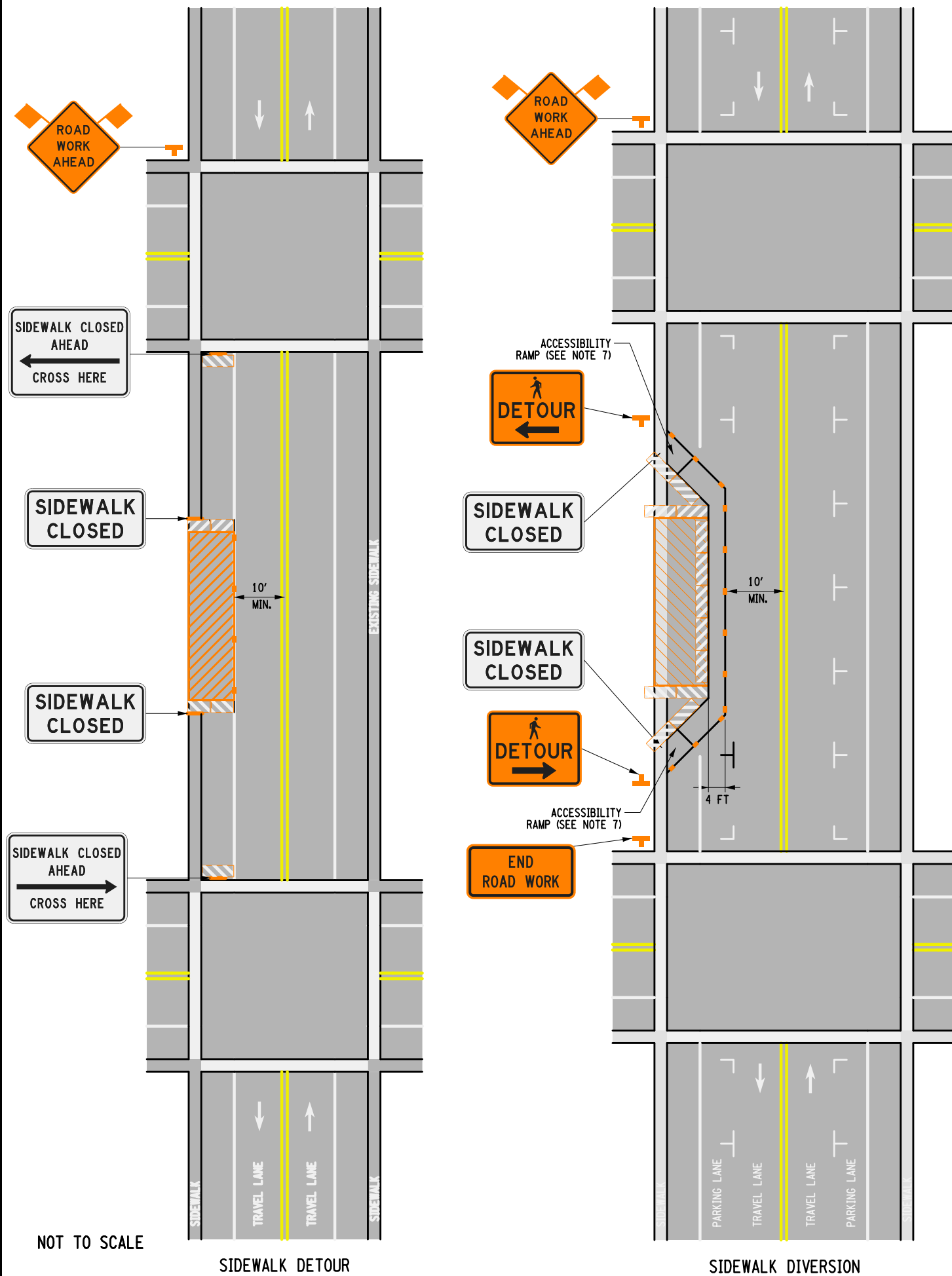
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|--|--|-------------------------------------|--|
|  NEW YORK STATE OF OPPORTUNITY. | | Department of Transportation | |
| U.S. CUSTOMARY STANDARD SHEET | | | |
| WORK ZONE TRAFFIC CONTROL NON-FREEWAY SHOULDER CLOSURE SHORT TERM OPERATION (SHEET 2 OF 2) | | | |
| APPROVED DECEMBER 2, 2021 | | ISSUED UNDER EI 21-028 | |
| <i>Robert Limoges</i> ROBERT LIMOGES, P.E. DIRECTOR, OTSM | | 619-310 | |

NOTES:

1. SHORT-TERM STATIONARY IS DAYTIME WORK THAT OCCUPIES A LOCATION FOR MORE THAN 1 HOUR WITHIN A SINGLE DAYLIGHT PERIOD.
2. ANY SIDEWALK DIVERSION MUST BE ADA COMPLIANT AND FOLLOW THE PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG). TEMPORARY RAMPS AND OTHER TEMPORARY PEDESTRIAN FACILITIES SHALL BE PAID FOR UNDER THE APPROPRIATE ITEM FOR ASPHALT SIDEWALKS.
3. PROWAG SECTION R205 AND MUTCD PART 6 SHALL APPLY TO ALL CONSTRUCTED TEMPORARY ALTERNATIVE PEDESTRIAN PATHWAYS.
4. ONLY THE WORK ZONE TRAFFIC CONTROL DEVICES RELATED TO PEDESTRIANS ARE SHOWN, OTHER DEVICES, SUCH AS LANE/SHOULDER CLOSURE, ROAD NARROWS SIGNS (W5-4), OR NO PARKING SIGNS MAY BE USED TO CONTROL VEHICULAR TRAFFIC.
5. TYPE III BARRICADES SHALL BE THE FULL WIDTH OF THE PATH BEING CLOSED.
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.
7. THE GRADE (RUNNING SLOPE) OF A TEMPORARY CURB RAMP FOR DESIGN AND LAYOUT SHALL BE A MAXIMUM OF 7.5%. THE GRADE FOR ADA ACCESSIBILITY AND WORK ACCEPTANCE SHALL BE A MAXIMUM OF 8.3%.

| WORK ZONE PROVISIONS | MAXIMUM DEVICE SPACING (CENTER TO CENTER) | CHANNELIZING DEVICE | | | | | | | | | |
|---|---|---------------------|----------------|------------|------------------|---------------------------|-------------------------|-----------------|---------------------------|--------------------|---------------------|
| | | DRUMS | STANDARD CONES | TALL CONES | EXTRA TALL CONES | TEMPORARY TUBULAR MARKERS | INTERIM TUBULAR MARKERS | VERTICAL PANELS | OVERSIZED VERTICAL PANELS | TYPE II BARRICADES | TYPE III BARRICADES |
| SHORT-TERM IS STATIONARY WORK ZONES INVOLVE WORK THAT OCCUPIES A LOCATION FOR MORE THAN 1 HOUR WITHIN A SINGLE DAYLIGHT PERIOD. | | | | | | | | | | | |
| SHOULDER/MERGING/SHIFTING TAPERS | 20 FT. | X | X | X | X | | | X | X | X | |

NOTES: X= ALLOWED BLANK = NOT ALLOWED



G20-2 THIS SIGN SHALL BE LOCATED A MINIMUM DISTANCE OF 80 FT. AND MAXIMUM OF 400 FT. PAST THE END OF THE DOWNSTREAM TAPER

| SIGN | NON-FREEWAY | FREEWAY |
|-----------------|-------------|---------|
| G20-2 | 36x18 | 48x24 |
| R9-11L/R9-11R** | 24x18 | 24x18 |
| R9-9** | 24x12 | 24x12 |
| W20-1 | 36x36 | 48x48 |
| M4-9bL/M4-9bR** | 30x24 | 30x24 |
| WARNING FLAG | 18x18 | 18x18 |

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

NEW YORK
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Department of Transportation

U.S. CUSTOMARY STANDARD SHEET

**WORK ZONE TRAFFIC CONTROL
 TWO-LANE TWO-WAY ROADWAY
 SIDEWALK DETOUR/DIVERSION
 SHORT TERM OPERATION**

APPROVED DECEMBER 2, 2021
 Robert Limoges
 ROBERT LIMOGES, P.E.
 DIRECTOR, OTSM

ISSUED UNDER EI 21-028
 619-321

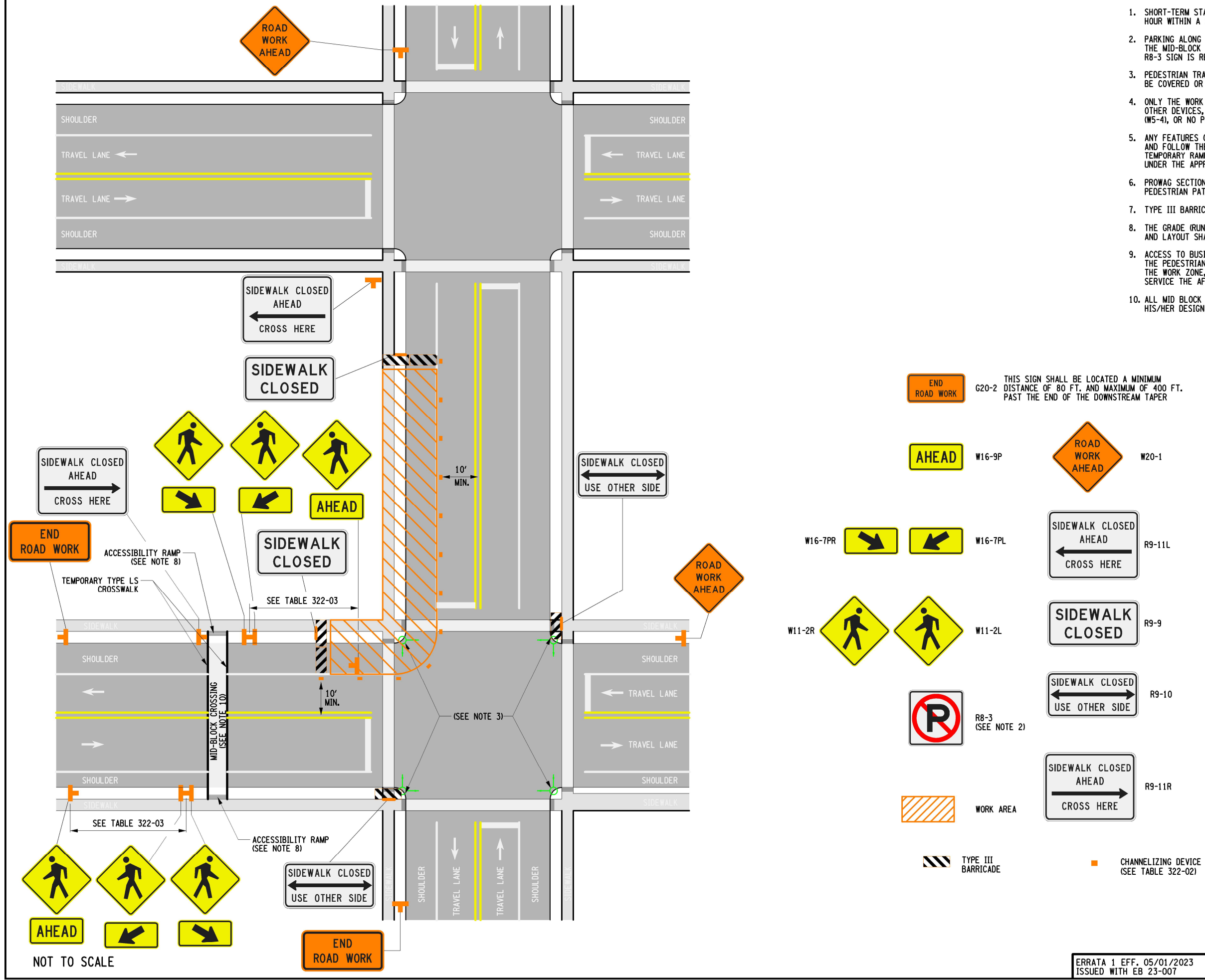
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- NOTES:
1. SHORT-TERM STATIONARY IS DAYTIME WORK THAT OCCUPIES A LOCATION FOR MORE THAN 1 HOUR WITHIN A SINGLE DAYLIGHT PERIOD.
 2. PARKING ALONG THE CURB SHALL BE PROHIBITED FOR AT LEAST 50' IN ADVANCE OF THE MID-BLOCK CROSSWALK. IF THE SHOULDER IS GREATER THAN OR EQUAL TO 8 FOOT, AN R8-3 SIGN IS RECOMMENDED TO PREVENT PARKING ON SHOULDER.
 3. PEDESTRIAN TRAFFIC SIGNAL DISPLAYS CONTROLLING CLOSED CROSSWALKS SHOULD BE COVERED OR DEACTIVATED.
 4. ONLY THE WORK ZONE TRAFFIC CONTROL DEVICES RELATED TO PEDESTRIANS ARE SHOWN. OTHER DEVICES, SUCH AS LANE/SHOULDER CLOSURE SIGNING, ROAD NARROWS SIGNS (W5-4), OR NO PARKING SIGNS MAY BE USED TO CONTROL VEHICULAR TRAFFIC.
 5. ANY FEATURES CONSTRUCTED AS PART OF A PEDESTRIAN DETOUR MUST BE ADA COMPLIANT AND FOLLOW THE 2011 PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG). TEMPORARY RAMPS AND OTHER TEMPORARY PEDESTRIAN FACILITIES SHALL BE PAID FOR UNDER THE APPROPRIATE ITEM FOR ASPHALT SIDEWALKS.
 6. PROWAG SECTION R205 AND MUTCD PART 6 SHALL APPLY TO ALL TEMPORARY ALTERNATIVE PEDESTRIAN PATHWAYS.
 7. TYPE III BARRICADES SHALL BE THE FULL WIDTH OF THE PATH BEING CLOSED.
 8. THE GRADE (RUNNING SLOPE), AND CROSS SLOPE OF A TEMPORARY CURB RAMP FOR DESIGN AND LAYOUT SHALL BE IN ACCORDANCE WITH STANDARD SHEET 608-01.
 9. 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.
 10. ALL MID BLOCK CROSSWALKS SHALL BE APPROVED BY THE DOT REGIONAL DIRECTOR OR HIS/HER DESIGNEE.



REFER TO SHEET 2 OF 2 FOR ALL TABLES

NEW YORK
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Department of Transportation

U.S. CUSTOMARY STANDARD SHEET

**WORK ZONE TRAFFIC CONTROL
TWO-LANE TWO-WAY ROADWAY
CROSSWALK CLOSURE AND PEDESTRIAN DETOUR
SHORT TERM OPERATIONS
(SHEET 1 OF 2)**

| | |
|---|------------------------|
| APPROVED APRIL 8, 2022 | ISSUED UNDER EI 22-008 |
| <i>Robert Limoges</i> ROBERT LIMOGES, P.E. DIRECTOR, OTSM | 619-322 |

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ISSUED WITH EB 23-007

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| SIGN | NON-FREEWAY | FREEWAY |
|-----------------|-------------|---------|
| G20-2 | 36x18 | 48x24 |
| R8-3 | 24x24 | 48x48 |
| R9-9** | 24x12 | 24x12 |
| R9-10** | 24x12 | 24x12 |
| R9-11L/R9-11R** | 24x18 | 24x18 |
| R11-2 | 48x30 | 48x30 |
| W16-9P** | 24x12 | - |
| W16-7PR** | 24x12 | - |
| W11-2R/W11-2L | 36x36 | - |
| W20-1 | 36x36 | 48x48 |


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

| WORK ZONE PROVISIONS | MAXIMUM DEVICE SPACING (CENTER TO CENTER) | MUTCD COMPLIANT CHANNELIZING DEVICE | | | | | | | | |
|--|---|-------------------------------------|----------------|------------|------------------|---------------------------|-------------------------|-----------------|---------------------------|---------------------|
| | | DRUMS | STANDARD CONES | TALL CONES | EXTRA TALL CONES | TEMPORARY TUBULAR MARKERS | INTERIM TUBULAR MARKERS | VERTICAL PANELS | OVERSIZED VERTICAL PANELS | TYPE III BARRICADES |
| SHORT-TERM STATIONARY WORK ZONES INVOLVE WORK THAT OCCUPIES A LOCATION FOR MORE THAN 1 HOUR WITHIN A SINGLE DAYLIGHT PERIOD. | 20 FT. | X | X | X | X | - | - | X | X | - |

NOTES: X= ALLOWED, BLANK = NOT ALLOWED

| POSTED OR 85 TH PERCENTILE SPEED (MPH) | ADVANCE PLACEMENT DISTANCE (FT.) ¹ | | | | | | | | | | | | |
|---|--|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | CONDITION A: SPEED REDUCTION AND LANE CHANGING IN HEAVY TRAFFIC ² | CONDITION B: DECELERATION TO THE LISTED ADVISORY SPEED (MPH) FOR THE CONDITION ⁴ | | | | | | | | | | | |
| | | 0 ³ | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | |
| 20 | 410 | 115 | 110 | 105 | 90 | 75 | - | - | - | - | - | - | - |
| 25 | 515 | 155 | 160 | 150 | 135 | 120 | 95 | - | - | - | - | - | - |
| 30 | 620 | 200 | 205 | 195 | 185 | 165 | 140 | 110 | - | - | - | - | - |
| 35 | 720 | 250 | 255 | 245 | 235 | 215 | 190 | 160 | 130 | - | - | - | - |
| 40 | 825 | 305 | 320 | 310 | 295 | 280 | 255 | 225 | 190 | 150 | - | - | - |
| 45 | 930 | 360 | 380 | 370 | 360 | 340 | 315 | 285 | 255 | 210 | 165 | - | - |
| 50 | 1030 | 425 | 455 | 450 | 435 | 415 | 390 | 360 | 330 | 285 | 240 | 185 | - |
| 55 | 1135 | 495 | 530 | 520 | 505 | 490 | 460 | 435 | 400 | 355 | 315 | 255 | 205 |

NOTES:
 1. THE DISTANCES HAVE NOT BEEN MODIFIED TO ACCOUNT FOR SIGN LEGIBILITY.
 2. TYPICAL CONDITIONS ARE LOCATIONS WHERE THE ROAD USER MUST USE EXTRA TIME TO ADJUST SPEED AND CHANGE LANES IN HEAVY TRAFFIC BECAUSE OF A COMPLEX DRIVING SITUATION. TYPICAL SIGNS ARE MERGE AND RIGHT LAND ENDS. THE DISTANCES ARE TAKEN FROM THE 2004 AASHTO POLICY, EXHIBIT 3-3, DECISION SIGHT DISTANCE, AVOIDANCE MANEUVER E.
 3. TYPICAL CONDITION IS THE WARNING OF A POTENTIAL STOP SITUATION. TYPICAL SIGNS ARE STOP AHEAD, YIELD AHEAD, SIGNAL AHEAD, AND INTERSECTION WARNING SIGNS.
 4. TYPICAL CONDITIONS ARE LOCATIONS WHERE THE ROAD USER MUST DECREASE SPEED TO MANEUVER THROUGH THE WARNED CONDITION. TYPICAL SIGNS ARE TURN, CURVE, REVERSE TURN, OR REVERSE CURVE. THE DISTANCES ARE DETERMINED BY PROVIDING A 2.5 SECOND PRT AND A VEHICLE DECELERATION RATE OF 10 FT./SECOND.²
 5. TYPICAL SIGNS ARE ADDED LANE, ROAD NARROWS, DIVIDED HIGHWAY, AND CONDITION B SIGNS DISPLAYED WITHOUT AN ADVISORY SPEED.

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| U.S. CUSTOMARY STANDARD SHEET | |
| WORK ZONE TRAFFIC CONTROL TWO-LANE TWO-WAY ROADWAY CROSSWALK CLOSURE AND PEDESTRIAN DETOUR SHORT TERM OPERATIONS (SHEET 2 OF 2) | |
| APPROVED APRIL 8, 2022 | ISSUED UNDER EI 22-008 |
| <i>Robert Limoges</i> ROBERT LIMOGES, P.E. DIRECTOR, OTSM | 619-322 |

ERRATA 1 EFF. 09/01/23
ISSUED WITH EB 23-016

| SIGN | NON-FREEWAY | FREEWAY |
|-----------------|-------------|---------|
| G20-2 | 36x18 | 48x24 |
| R8-3 | 24x24 | 48x48 |
| R9-9** | 24x12 | 24x12 |
| R9-10** | 24x12 | 24x12 |
| R9-11L/R9-11R** | 24x18 | 24x18 |
| R11-2 | 48x30 | 48x30 |
| W16-9P** | 24x12 | 30x18 |
| W16-7PR** | 24x12 | 30x18 |
| W20-1 | 36x36 | 48x48 |

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


| WORK ZONE PROVISIONS | MAXIMUM DEVICE SPACING (CENTER TO CENTER) | MUTCD COMPLIANT CHANNELIZING DEVICE | | | | | | | | |
|--|---|-------------------------------------|----------------|------------|------------------|---------------------------|-------------------------|-----------------|---------------------------|---------------------|
| | | DRUMS | STANDARD CONES | TALL CONES | EXTRA TALL CONES | TEMPORARY TUBULAR MARKERS | INTERIM TUBULAR MARKERS | VERTICAL PANELS | OVERSIZED VERTICAL PANELS | TYPE III BARRICADES |
| SHORT-TERM STATIONARY WORK ZONES INVOLVE WORK THAT OCCUPIES A LOCATION FOR MORE THAN 1 HOUR WITHIN A SINGLE DAYLIGHT PERIOD. | 20 FT. | X | X | X | X | | | X | X | |

NOTES: X= ALLOWED, BLANK = NOT ALLOWED

| POSTED OR 85 TH PERCENTILE SPEED (MPH) | ADVANCE PLACEMENT DISTANCE (FT.) ¹ | | | | | | | | | | | | | |
|---|--|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| | CONDITION A: SPEED REDUCTION AND LANE CHANGING IN HEAVY TRAFFIC ² | CONDITION B: DECELERATION TO THE LISTED ADVISORY SPEED (MPH) FOR THE CONDITION ⁴ | | | | | | | | | | | | |
| | | CONDITION C: NO SPEED REDUCTION NECESSARY ⁵ | | | | | | | | | | | | |
| | 0 ³ | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | | |
| 20 | 410 | 115 | 110 | 105 | 90 | 75 | - | - | - | - | - | - | - | - |
| 25 | 515 | 155 | 160 | 150 | 135 | 120 | 95 | - | - | - | - | - | - | - |
| 30 | 620 | 200 | 205 | 195 | 185 | 165 | 140 | 110 | - | - | - | - | - | - |
| 35 | 720 | 250 | 255 | 245 | 235 | 215 | 190 | 160 | 130 | - | - | - | - | - |
| 40 | 825 | 305 | 320 | 310 | 295 | 280 | 255 | 225 | 190 | 150 | - | - | - | - |
| 45 | 930 | 360 | 380 | 370 | 360 | 340 | 315 | 285 | 255 | 210 | 165 | - | - | - |
| 50 | 1030 | 425 | 455 | 450 | 435 | 415 | 390 | 360 | 330 | 285 | 240 | 185 | - | - |
| 55 | 1135 | 495 | 530 | 520 | 505 | 490 | 460 | 435 | 400 | 355 | 315 | 255 | 205 | - |

NOTES:

- THE DISTANCES HAVE NOT BEEN MODIFIED TO ACCOUNT FOR SIGN LEGIBILITY.
- TYPICAL CONDITIONS ARE LOCATIONS WHERE THE ROAD USER MUST USE EXTRA TIME TO ADJUST SPEED AND CHANGE LANES IN HEAVY TRAFFIC BECAUSE OF A COMPLEX DRIVING SITUATION. TYPICAL SIGNS ARE MERGE AND RIGHT LAND ENDS. THE DISTANCES ARE TAKEN FROM THE 2004 AASHTO POLICY, EXHIBIT 3-3, DECISION SIGHT DISTANCE, AVOIDANCE MANEUVER E.
- TYPICAL CONDITION IS THE WARNING OF A POTENTIAL STOP SITUATION. TYPICAL SIGNS ARE STOP AHEAD, YIELD AHEAD, SIGNAL AHEAD, AND INTERSECTION WARNING SIGNS.
- TYPICAL CONDITIONS ARE LOCATIONS WHERE THE ROAD USER MUST DECREASE SPEED TO MANEUVER THROUGH THE WARNED CONDITION. TYPICAL SIGNS ARE TURN, CURVE, REVERSE TURN, OR REVERSE CURVE. THE DISTANCES ARE DETERMINED BY PROVIDING A 2.5 SECOND PRT AND A VEHICLE DECELERATION RATE OF 10 FT./SECOND.²
- TYPICAL SIGNS ARE ADDED LANE, ROAD NARROWS, DIVIDED HIGHWAY, AND CONDITION B SIGNS DISPLAYED WITHOUT AN ADVISORY SPEED.

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|  NEW YORK STATE OF OPPORTUNITY. | Department of Transportation |
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| APPROVED APRIL 8, 2022 | ISSUED UNDER EI 22-008 |
| <i>Robert Limoges</i> ROBERT LIMOGES, P.E. DIRECTOR, OTSM | 619-322 |

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