

Section 8 – Traffic Maintenance

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SECTION 8 – TRAFFIC MAINTENANCE

GENERAL REQUIREMENTS

Maintenance of traffic plans shall be designed based upon the latest edition of the Ohio Manual of Uniform Traffic Control Devices (OMUTCD), the Ohio Department of Transportation Location & Design Manual (L&D), Volume I and Volume III, the Ohio Department of Transportation Bureau of Design Services Standard Construction Drawings, MT series and the Ohio Department of Transportation Construction and Material Specifications.

I. MAINTAINING TRAFFIC

8.1 DETOUR

Written plans for any detour routes shall be submitted to, and approved by the City and shall be in accordance with the latest edition of the OMUTCD, Part 7. When planning detour routes, consideration shall be given to other construction projects within the City, traffic patterns, local activities and special events.

The party requesting the detour shall notify the following agencies at least seven working days prior to the implementation of the detour:

- All public and private schools operating in the City of Hudson, and their transportation departments.
- United States Post Office.
- Hudson Fire Departments.
- Hudson EMS Departments.
- Hudson Police Department.

In addition to these requirements, the party requesting the detour shall provide a written notice to the local Hudson newspaper describing the detour route(s) and expected times of closure. This notice must be published in the newspaper seven days prior to the implementation of the detour. The newspaper must be given sufficient advanced notice to meet this deadline.

If a detour route traverses through an adjacent municipality, on the Ohio Turnpike, on limited access highways or across railroad at grade intersections, the detour route must be approved by the affected owners.

8.2 TWO - LANE ROADWAYS

Closing of one lane on a two lane roadway shall follow the latest edition of the ODOT Standard Construction Drawings, MT series and the latest edition of the OMUTCD, Part 7.

The party requesting the lane restriction shall notify the following agencies at least seven working days prior to the implementation of the lane restriction:

- All public and private schools operating in the City of Hudson, and their transportation departments.
- United States Post Office.
- Hudson Fire Departments.
- Hudson EMS Departments.
- Hudson Police Department.

In addition to these requirements, the party requesting the lane restriction shall provide a written notice to the local Hudson newspaper describing the lane restriction and expected times of closure. This notice must be published in the newspaper seven days prior to the implementation of the lane restriction. The newspaper must be given sufficient advanced notice to meet this deadline.

Off duty City of Hudson Police shall be hired by the contractor to control traffic on all designated arterials and connectors or as required by the City. When an off duty City of Hudson Police Officer is not required to control traffic, flaggers shall be utilized. Off duty City of Hudson Police Officers and flaggers shall be utilized when lane closures are required during daylight hours and when lane closures can be removed at the end of each work day. A flagger shall be as defined in the latest edition of the OMUTCD, Part 7. Temporary traffic signals shall be used when lane closures cannot be accomplished with flaggers. Where an existing traffic signal will be close to a temporary signal, they shall be coordinated.

8.3 MULTI - LANE ROADWAYS

Closing of one or more lanes on multi-lane roadways shall follow the latest edition of the ODOT Standard Construction Drawings, MT series and the latest edition of the OMUTCD, Part 7.

The party requesting the lane restriction shall notify the following agencies at least seven working days prior to the implementation of the lane restriction:

- All public and private schools operating in the City of Hudson, and their transportation departments.
- United States Post Office.

- Hudson Fire Departments.
- Hudson EMS Departments.
- Hudson Police Department.

In addition to these requirements, the party requesting the lane restriction shall provide a written notice to the local Hudson newspaper describing the lane restriction and expected times of closure. This notice must be published in the newspaper seven days prior to the implementation of the lane restriction. The newspaper must be given sufficient advanced notice to meet this deadline.

8.4 DRIVEWAYS

Access to adjacent properties shall be maintained at all times during construction. When a residential driveway must be closed for construction, the resident shall be provided written notification by the contractor, a minimum of 24 hours prior to the closure, on a form approved by the City. The notice shall list the time the closure will be in effect and shall list 24 hour emergency phone numbers of the contractor responsible for the closure. The times shall be coordinated with each individual property owner and a temporary parking area shall be provided if necessary. Sufficient means shall be available to the Contractor to provide access at all times during an emergency situation. In the case of utility work, driveways shall be replaced as soon as work has progressed past the driveway in accordance with the applicable backfilling section for the affected utility. Commercial driveways shall be treated in the same manner as residential driveways except where the commercial driveway is wide enough to construct half of the driveway while maintaining two way traffic or where a property has more than two driveways and alternate closing can be accomplished. Access may be maintained with the use of temporary asphalt pavement, stabilized aggregate or steel plates.

8.5 INTERSECTIONS

Intersections shall be constructed part width with time limits established in the plan to limit the closure. Intersections shall be controlled with temporary traffic signals, stop signs or Law Enforcement Officers.

Detailed plans and notes shall be submitted and approved by the City prior to implementation of any lane restriction.

The party requesting the intersection restriction shall notify the following agencies at least seven working days prior to the implementation of the restriction:

- All public and private schools operating in the City of Hudson, and their transportation departments.
- United States Post Office.
- Hudson Fire Departments.
- Hudson EMS Departments.
- Hudson Police Department.

In addition to these requirements, the party requesting the intersection restriction shall provide a written notice to the local Hudson newspaper describing the restriction and expected times of closure. This notice must be published in the newspaper seven days prior to the implementation of the restriction. The newspaper must be given sufficient advanced notice to meet this deadline.

8.6 ROADWAY TRAVEL LANES AND CLEAR ZONE

It is desirable to maintain travel lane widths at least equal to those on the existing facility but not less than 10 feet wide. On projects where maintenance of traffic operations require the use of the existing paved shoulder as part of a traffic lane, the designer shall provide for the upgrade of the shoulder pavement and check the roadside for obstacles requiring protection. Required shoulder pavement buildup shall be as shown in Section 7 - Roadway. The clear zone values for the roadway under normal conditions may be reduced by 12 feet to a minimum of 2 feet. Clear zone values are given in the latest edition of the ODOT L&D Volume I.

8.7 CHANNELIZING DEVICES

Channelizing devices for use in maintenance of traffic applications are cones, reflectorized plastic drums, barricades and barriers. Channelizing devices shall conform to the latest edition of the OMUTCD, Part 7. Channelizing device offsets from the edge of the traveled lane shall be a minimum of 1.5 feet.

8.8 SIGNING

All signing, placement of signs, gates, barricades and temporary sign supports shall conform to the latest editions of the OMUTCD, Part 7 and the ODOT Standard Construction Drawings, MT series. Before driving temporary sign supports into the ground, the party installing the posts shall contact the Ohio Utility Protection Service (OUPS) and shall request that all existing utility locations be marked in the field.

8.9 PAVEMENT MARKINGS

Temporary pavement markings shall be placed according to the latest edition of the ODOT Standard Construction Drawings MT series. Temporary pavement markings shall also be provided at the end of each work day during resurfacing projects. Temporary pavement markings are not required on residential roadways. When temporary pavement markings are required on existing pavement that will not be resurfaced or on the final course of new pavement, the markings shall be reflective tape. Temporary pavement markings on lower courses of pavements shall be painted. All temporary reflection tape shall be removed prior to the installation of the permanent pavement markings.

8.10 LANE CLOSURE RESTRICTIONS

Lane closure restrictions shall not apply during the following times:

- National Holidays and Holiday weekends of Christmas, New Years, Memorial Day, Fourth of July, Labor Day and Thanksgiving.
- Periods involving community events.
- Periods when snow accumulation has occurred or is probable.

8.11 PEDESTRIANS

Whenever construction work zones encroach upon pedestrian facilities, the design of temporary pedestrian sidewalks and appropriate signage to guide pedestrians through the construction zone will be required. Temporary pedestrian sidewalks shall consist of 1 ½" of ODOT Item 304 aggregate and shall

be constructed as shown in Section 7 - Roadway. The temporary sidewalk location and building shall be submitted to the City for approval.

II. PLAN PREPARATION/SUBMITTAL

8.12 PLAN DETAILS

Plan details shall include written detour plans, maintenance of traffic plans, roadway typical section as per Section 7 - Roadway for each construction phase and details on intersection and driveway construction phases.

All written plans for traffic maintenance shall be submitted so that the City has an opportunity to review and approve the plan 14 calendar days prior to initiation of the work. The traffic maintenance plans shall meet the current ODOT Standards or be designed and stamped by a registered Professional Engineer in the State of Ohio.

8.13 GENERAL NOTES

Maintenance of traffic general notes shall conform to those provided in the latest edition of the ODOT L&D Volume III or as approved by the City.

8.14 STANDARD CONSTRUCTION DRAWINGS

The traffic maintenance plans shall include standard construction drawings. These drawings shall consist of but not limited to the latest edition of the ODOT Standard Construction Drawings, MT series and the latest edition of the OMUTCD, Part 7 figures or as approved by the City.