1 Quick Reference

The following pages show plan sheets to be used as examples for drafters that have experience preparing plans for ODOT traffic signal contract projects. These sheets are shown with a minimum of explanation. The following sheets are in the correct plan sheet order and show at the time of printing all the correct bubble notes, bubbles, symbols, line styles and line weights for ODOT traffic signal plans. The Railroad Preemption Plan Sheet shown is not part of the contract documents, but is part of the rail crossing order.

This chapter should not be used as a resource for drafters who are not familiar or uncomfortable with ODOT’s drafting standards. More detailed examples start in Chapter 2 of this manual.

For additional information on MicroStation V8i click on the following link: MicroStation Users Guide.

NOTE: Items in any color other than black are for instructional reference to the reader, unless otherwise noted on that page. These references are not intended to be part of your finished plan sheets.
### Figure 1-1 | Typical Line Styles, Scalable Items, and Sheet Cross Reference Notes (1 of 2)

**Common Line Styles**
- Center Line
- Curbs
- Crosswalk
- Edge Of Traffic
- Skip Stripe
- Skip/Solid Stripe
- Double Yellow Stripe
- Travel Lane Stripe
- Concrete Bridge Barrier/Concrete Barrier

**Common Signal Plans Symbols**
- Controller Cabinet
- Base Mounted Cabinet (BMC)
- Base Mounted Cabinet with Illumination (BMC1)
- Base Mounted Cabinet with Flasher (BMC2)
- Junction Box, Type J/B1, J/B2, and J/B3
- 6' round vehicle detector loop
- 6' diamond vehicle detector loop
- 2½' diamond bicycle detector loop
- 6' diamond pre-formed vehicle detector loop
- Entrance for loop wires into junction box (loop pocket)
- 6' round signal pole (no foundation)
- Signal pole w/foundation
- Pedestrian/vehicle pedestrian w/foundation
- Vehicle signal head (new)
- Vehicle signal head (existing)
- Pedestrian signal head (new)
- Pedestrian signal head (existing)
- Fire preemption head (single detector)
- Fire preemption head (double detector)
- Luminaire head
- Aluminum sign (mast arm or signal pole mounted)
- Interchange sign (mast arm or signal pole mounted)
- Crosswalk closure barriers
- Existing/Proposed power supply pole
- Radar Detector

**Common Sheet Notes**
- This note is for cross referencing the Legend sheet with all other sheets in the plan set.

**Note:**
See T.R.S. Dwg. 00000 thru 00000 for Signal and Detector Plans

**Note:**
See T.R.S. Dwg. 000000 for Legend

**Note:**
Right of way for ___ quadrant is outside of plan sheet view

**"Utilities Not Shown"**
See Utility Plan Sheet

**This note is shown on the Signal Detector, Interconnect and Ramp Water Plan sheets.**
Figure 1-2 | Plan Sheet Headings and Titleblocks (2 of 2)

**Sheet Headings**

**Legend**
- These exact sheet headings are to be used on the signal plan sheets. These are the same sheet names called out in Filenet.

**FIRE SIGNAL PLAN**
- Ramp Meter Plan
- Pedestrian Signal Plan
- Red Light Enforcement Plan
- Temporary Ramp Meter Plan
- Miscellaneous
- Illumination
- Variable Message Sign
- Automated Traffic Recorder Plan

**Existing Utilities**

*Note:* Use a sheet heading from the list that best describes your work.

The Sheet Heading Text is found by opening the “Text” tab within the Signals workflow.

Listed under both the Signals or General tabs Traffic 1st Sheet Titleblock
Figure 1-3 | Typical Signal Plan Set (1 of 7)
Figure 1-4  |  Typical Signal Plan Set (2 of 7)
Figure 1-5 | Typical Signal Plan Set (3 of 7)
Figure 1-6 | Typical Signal Plan Set (4 of 7)
Figure 1-7 | Typical Signal Plan Set (5 of 7)
Figure 1-8 | Typical Signal Plan Set (6 of 7)
Figure 1-9 | Typical Signal Plan Set (7 of 7)

### Pole Entrance Chart

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<th>Pole Number</th>
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<th>Luminaries</th>
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<td>X</td>
<td>L1, L2</td>
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<tr>
<td>2</td>
<td>X</td>
<td>L3, L4</td>
</tr>
<tr>
<td>3</td>
<td>X</td>
<td>L5, L6</td>
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</table>

You can use the Large or small Phase Number Text for larger or smaller signal pole workflows. List Geotech report data for sub-surface data.

Notes: Diagrams shown on Signal Plan Set. Pole Enl Chart 10a.

### MAST Arm Pole Orientation Diagram

Orientation Diagram of Subdivision, Adjacent Places, and Other Places. The Orientation Diagram is used to show the orientation of the signal pole and its components. It includes the direction of the signal arms and the orientation of the poles relative to each other.

### Pedestrian Pedestal Vehicle Diagram

Location Diagram of Pedestrian Pedestal and Vehicle. The Pedestrian Pedestal Vehicle Diagram shows the location and orientation of the pedestrian pedestal and the vehicle related to the signal pole. It includes the dimensions and orientation of the pedestrian pedestal and vehicle.
Figure 1-10 | Typical Temporary Traffic Signal Plan Set (1 of 3)
Figure 1-11 | Typical Temporary Traffic Signal Plan Set (2 of 3)
Figure 1-12 | Typical Temporary Traffic Signal Plan Set (3 of 3)
Figure 1-13 | Typical Flashing Beacon Plan Set (1 of 2)
Figure 1-14 | Typical Flashing Beacon Plan Set (2 of 2)
Figure 1-15 | Railroad Preemption Plan
Figure 1-16 | Typical Cabinet Print Sheets Requiring Drafting (1 of 3)
Figure 1-17 | Typical Cabinet Print Sheets Requiring Drafting (2 of 3)
<table>
<thead>
<tr>
<th>Field Outputs - Typical Wiring</th>
<th>Conflict Monitor Diode Card Output</th>
<th>Output File A (Front View)</th>
<th>Output File B (Rear View)</th>
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