

Materials

Blue, Green and Red Sheets

- The “Blue” Sheets are described in detail, starting on page 3.
- The “Green” sheets are described in detail, starting on page 57.
- The “Red” sheets are described in detail, starting on page 2.

Pre-qualified materials (QPL)

There are several items used for traffic signal installations that are specified from the standard Qualified Products List (QPL):

- Backer rod material (used in loop detector sawcut): 00990.10
- Hot-melt loop sealant: 00990.10
- Crosswalk Closure Barricade Support (i.e. Mailbox supports): 00902 then 01070
- Portable Temporary Traffic Signal: 00225.15(b)
- Qualified manufacturers for reinforcing steel (for foundations): 00963.10 then 00530 & 02510

The QPL on-line at:

<http://www.oregon.gov/ODOT/HWY/CONSTRUCTION/Pages/qpl/QPIndex.aspx>

Pole & Luminaire Submittals

The following materials require submittals (00962.02 then 00150.35):

- Mast arm poles & arms (drawings and calculations)
- Strain poles (drawings and calculations)
- Luminaire extensions & arms (drawings)
- Luminaires and lamps (sample and cut sheets). 00970.02 & 00970.03.

Pole shop drawings must be stamped by an Oregon Registered Professional Engineer. Pre-approved manufacturing shop drawings must bear a “reviewed” stamp from the ODOT Traffic Structures Engineer prior to use on the project.

Non Field-Tested Materials Acceptance Guide

The NonField-Tested Materials Acceptance Guide contains a summary of information on required acceptance documents (00960 thru 00990). See 00165.10(b). On-line:

<http://www.oregon.gov/ODOT/HWY/CONSTRUCTION/docs/nftmag.pdf>

Verifying Stainless Steel

The majority of fasteners and hardware used for traffic signal installation are required to be stainless steel (Type 304 or 316). A quick and easy way to verify a material is stainless steel is to use a magnet. Stainless steel is NOT magnetic.

Red Sheet Materials

Pursuant to **ORS 479.540** and **OAR 918-261-0037** the following “qualified products list” now known as the “RED SHEETS” was created. This list **IS NOT** used for construction qualification or approval of products during construction, but as a statewide list of certification exempt traffic management systems components used by ODOT and other applicable public agencies. The exemption from certification removes the UL or NRTL certification requirements of RED SHEET listed items used in traffic management systems. The current version of the RED SHEETS can be found <http://www.oregon.gov/ODOT/HWY/TS/pages/signals.aspx>

The red sheets should be given to the State Building Code, City or County Electrical Inspector on the project if there are issues about a lack of UL or NRTL certification for traffic signal equipment.

Red Sheet List – Revised 7/16/14

Any item that is listed in the ODOT maintained prequalified products list known as the BLUE SHEETS.

Any item that is listed in the ODOT maintained prequalified products list known as the GREEN SHEETS.

BRAND / MANUFACTURER	MODEL	PART#	CODE*
CONTROLLER CABINET			
Safetran	337		COP
McCain	337	M30730	COP
PREEMPTION INTERFACE (Cabinet)			
3M Opticom	754		COP
CONDUIT REPAIR			
Carlson	Split Duct		ODOT
BRIDGE SUBMARINE CABLE			
Draka	Standard Bridge Submarine Cable		ODOT
MOVABLE BRIDGE VERTICAL WARNING GATES			
B&B Roadway	VW-4		ODOT
GROUND/BOND CONNECTORS			
Hubbell/Anderson/Fargo	GC5004		COP
Hubbell/Anderson/Fargo	LC522AXB		COP
Thomas & Betts	TTC2		COP

*** Agency Code:**

ODOT = Oregon Department of Transportation

COP = City of Portland