

Standard Guidelines for Product Review

## **Manhole & Inlet Accessories**

### **Section 00470.10**

May 31, 2011

#### **00470.10 – Manhole & Inlet Accessories**

**General** – This guideline covers cast iron accessories for Manholes and Inlets.

#### **Specifications**

**Manhole Frames & Covers:** ODOT allows cast iron manhole frames and covers as follows:

- Conforms to AASHTO M 306 Class 35B
- Must reasonably fit our existing manholes or covers without modification.

**Manhole Steps (plastic):** ODOT allows manhole riser rings that comply with the following:

- Conforms to AASHTO M 199 (ASTM C 478) and AASHTO T 280 (ASTM C 497).
- The steel shall be Grade 60, #4 (minimum), deformed reinforcing bar conforming to AASHTO M 31 (ASTM A 615).
- The plastic material surrounding the reinforcing steel bar shall be injection molded with a textured non-slip surface.
- Shall have a minimum thickness over the steel of 1/16 inch. Voids in the plastic will be cause for rejection of the step.
- You must comply with ODOT Standard Drawing RD336.

**Manhole Riser Rings:** ODOT allows manhole riser rings that comply with the following:

- AASHTO M 199 (ASTM C 478) and AASHTO T 280 (ASTM C 497).
- Must reasonably fit our existing manholes without modification.

**Inlet Frames & Grates:** ODOT allows cast iron inlet frames & grates that comply with:

- AASHTO M 306 Class 35B
- AASHTO M 227 (ASTM A 663) Class 65
- AASHTO M 270 (ASTM A 709) A 36 Class 36
- AASHTO M 103 (ASTM A 27) Class 65 - 35

**Process** – To have your product reviewed for possible inclusion on our QPL, submit the following:

- [Preliminary information for Product Evaluation Form](#)
- Independent Test Results showing compliance with Specs listed above.
- Legible copy of the MSDS as appropriate.
- Spec Data Sheet with detailed drawings.
- You must comply with our Standard Drawings:

[http://www.oregon.gov/ODOT/HWY/ENGSERVICES/roadway\\_drawings.shtml#Roadway\\_300\\_Drainage](http://www.oregon.gov/ODOT/HWY/ENGSERVICES/roadway_drawings.shtml#Roadway_300_Drainage)

#### **Please forward your information and/or questions to:**

Oregon DOT - Materials Laboratory  
Product Evaluation Coordinator - Construction Section  
800 Airport Rd SE  
Salem OR 97301-4792

<http://www.oregon.gov/ODOT/HWY/CONSTRUCTION/QPL/QPIndex.shtml>