

## Manufactured Water Quality Structure

### Qualified Product List      Specification Requirements

ODOT Construction and Materials SS- 995

### Requirements for inclusion on the Qualified Product List

#### Submit to the Office of Structural Engineering, Hydraulics Section:

1. Complete the table on the last page of this document.
2. Provide documentation providing test data that shows the total suspended solids removed at the above water quality flow rates. The testing data should indicate that an OK110 or F110 particle distribution with a specific gravity of 2.65 or less was used in the testing (if lab testing is used). Influent for laboratory testing shall be at a concentration of 450 mg/L or less. Testing will not be considered valid unless it is verified by a qualified independent third party.
3. Submit a maintenance plan for the manufactured water quality structure. Indicate if confined space entry is required for periodic sediment/trash removal.
4. Provide a detail drawing of the typical water quality structure with any diversion weirs that are required for an off-line system.
5. Provide any structural design calculations that indicate the capability of withstanding a HS-25 loading (inside of pavement) and HS-15 outside of pavement for a typical structure.
6. Submit 2 copies to:  
Ohio Department of Transportation  
Office of Hydraulics Engineering  
Attn: Jeff Syar, P.E.  
1980 West Broad Street  
Columbus, Ohio 43223

#### Submit to the Office of Materials Management the following information:

1. Manufacturer's letter certifying the manufactured water quality structure supplied to the project will meet or exceed Departmental specifications and include:
  - a. Documentation that the precast manufacturer is qualified under Supplement 1073.
  - b. For internal aluminum, stainless steel provide certified test data in conformance to the specific ASTM specification and the component sizes used in the actual equipment. For the steel provide proof of Domestic origin and a certified statement that all steel materials supplied will be of domestic origin.
  - c. For fiber reinforced polymer materials proposed for approval under SS 895, provide the mechanical requirements for each specific component and each specific quality control test data used to show your materials meet the design mechanical requirements.

2. Provide the following:
  - a. manufacturing company's full name
  - b. address
  - c. city
  - d. state
  - e. phone number for the responsible contact person to answer questions on the design, the product or materials
3. A electronic jpg format picture(s) of the actual ODOT type fabricated unit(s). Provide pictures for each ODOT type unit being supplied and conforming to supplemental specification 895 [SS 895]. Provide a picture of the markings that your company will use to identify the product and it's size to Department's field personnel.
4. Provide yearly recertification to the Office of Materials Management OMM for all components
5. Provide to OMM notarized documentation that the submitter will notify the Department of any materials and design changes before incorporation and request re-approval.
6. Submit to:  
Ohio Department of Transportation  
Office of Materials Management  
1600 West Broad Street  
Columbus, Ohio 43223

### **Acceptance by the Department**

The Office of Structural Engineering will notify the Office of Materials Management as to the acceptance of the initial product submittal. Upon acceptance or rejection, the Office of Materials Management will notify the manufacturer.

Accepted products will be listed on the Department's qualified product list web page and will be loaded into the Department's Construction Management System for acceptance in the field through the QPL screen.

### **Field Documentation Requirements**

Products on the QPL will be accepted if they can be identified by the field personnel to a supplier/manufacturer listed on the Department's Qualified Products List.

