# Method 5: Vactoring, Jetting, and Excavating Accumulated

# Sediments; Debris, Sediment Test Boring; and Pipe, Culvert and Bridge Maintenance

# 5D: Pipe, Culvert and Bridge Maintenance

**Project Title:**

**Project CIP Number:**

*See Section 3 of the SBE, Method 5 for a complete description of this activity and conservation measures for this method. You need this information to fill out this form.*

Pipe, Culvert, and Bridge Maintenance

1. Identify methods that will be used:

Pipe  Repair of structural deficiency  Removal of non-embedded material

Culvert  Repair of structural deficiency  Removal of non-embedded material

Bridge  Repair of structural deficiency  Removal of non-embedded material

1. Will the non-embedded material (LWD) be removed and placed downstream of the pipe, culvert, or bridge?  Yes  No
2. Provide additional information (if any) on this construction method:

Conservation Measures

The following table contains the conservation measures identified for Method 5D. The table only provides a brief summary of the conservation measures. Please see Section 4 of the SBE for a complete description of each conservation measure. To get programmatic coverage by the Corps and Services for projects using this method, all conservation measures identified below must be included with the project (see Section 10 of the SBE). If, for some reason, a conservation measure is not applicable, or will not be used, you MUST provide a reason the conservation measure is not applicable or will not be used in the “Provide additional information” section below. Provide any additional conservation measures that may be implemented but are not listed. These may be found in Section 4: Conservation Measures of the SBE or in the City Standard Specifications.

| **Conservation Measures** | **Description** | **Included in**  **Project?** |
| --- | --- | --- |
| 1 | Approved work windows |  |
| 2 | Onsite Temporary Erosion and Sediment Control Plan |  |
| 3 | Onsite Spill Prevention and Control Plan |  |
| 4 | Maintain a spill kit onsite |  |
| 15 | Clean equipment that will work below the OHW or MHHW lines or in riparian or shoreline areas |  |
| 16 | Fuel equipment in staging areas |  |
| 17 | Onsite oil absorbing floating booms |  |
| 18 | Use vegetable-based hydraulic fluid when equipment operates in sensitive areas |  |
| 21 | Stockpile native streambed or substrate material |  |
| 25 | Minimize stream and riparian crossings |  |
| 26 | Manage stream crossings to minimize erosion |  |
| 27 | Place erosion and water quality control devices prior to beginning of work |  |
| 28 | If mechanized equipment is used within the OHW or MHHW, only an extension arm with bucket or similar attachment shall enter the water. Conduct debris removal and work below OHW or MHHW during low water levels (fresh waters) or at low tide (marine waters) |  |
| 29 | Confine use of equipment operating below OHW or MHHW to designated access corridors |  |
| 57 | Perform all work in the dry when possible |  |
| 58 | Conduct work during minus tides or low water levels |  |
| 60 | Slope or fill excavated trenches in open water between tidal cycles |  |
| 61 | Equipment and materials are mobilized to and from the site via upland access or construction barge |  |
| 62 | Do not ground or rest construction barge on substrate or on vegetation |  |
| 65 | Retrieve and remove debris that enters waterbody |  |

Please provide any additional information on Conservation Measures used or not used for this Method: