# Method 10: In-Water and Overwater Structure Repair and Replacement

# 10D: *Floats and Gangways*

**Project Title:**

**Project CIP Number:**

*See Section 3 of the SBE, Method* ***10D*** *for a complete description of the activity and conservation measures for this method. You need this information to fill out this form.*

Floats and Gangways

1. Will the footprint of the repaired or replaced structures be larger, smaller or the same size as the existing structure?

| Larger | Smaller | Same Size | Structure | Amt. Smaller or Larger |
| --- | --- | --- | --- | --- |
| [ ]  | [ ]  | [ ]  | Floats |       ft2 |
| [ ]  | [ ]  | [ ]  | Gangways |       ft2 |
| [ ]  | [ ]  | [ ]  | Other:       |       ft2 |
| [ ]  | [ ]  | [ ]  | Other:       |       ft2 |

2. Will the repaired or replaced structure have more, less or the same amount of light transmitting material as the existing structure? List the type of light transmitting material that will be placed in each structure: grating, glass block, glass prisms, glass floors, etc.

| More | Less | Same Size | Structure | Amt. More or Less | Type ofLight Transmitting Material |
| --- | --- | --- | --- | --- | --- |
| [ ]  | [ ]  | [ ]  | Floats |       ft2 |       |
| [ ]  | [ ]  | [ ]  | Gangways |       ft2 |       |
| [ ]  | [ ]  | [ ]  | Other:       |       ft2 |       |
|  | [ ]  | [ ]  | Other:       |       ft2 |       |

3. Identify the type of in-water lateral support that will be used:

 [ ]  Piles

 [ ]  Anchor and Chains

Provide additional information (if any) on this construction method:

Conservation Measures

The following table contains the conservation measures identified for Method 10D. 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 below. 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 |  |
| 6 | Establish staging and site access areas along existing roadways or other disturbed areas |  |
| 7 | Limit clearing and grubbing areas to minimum required, retain vegetation to maximum extent |  |
| 9 | Implement BMPs to prevent erosion of excavated material |  |
| 12 | Use sediment barriers to prevent erosion and sediment from entering waterbodies |  |
| 13 | Keep erosion control materials onsite to respond to emergencies |  |
| 14 | Use curb inlet sediment traps and geotextile filters to capture sediment before it leaves the site |  |
| 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 |  |
| 19 | Operate machinery from existing roads and paved areas |  |
| 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 |  |
| 33 | Minimize overwater structure size to reduce shading impacts |  |
| 35 | Use grating on fixed structures over water |  |
| 36 | Contain flotation for floats in a durable protective casing to prevent breakup of the flotation material |  |
| 37 | Replacement floats shall be at least 4 feet above marine vegetation |  |
| 38 | Floatation material shall not block any grating or other surface light treatment through the overwater structure |  |
| 63 | Take care to prevent spread of invasive plant species during their removal |  |
| 64 | Plant with native vegetation |  |
| 65 | Retrieve and remove debris that enters waterbody |  |

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