# Method 9: Boat Launch Improvement, Repair and Maintenance

# 9B: *Replace Ballast, Edge Armoring and Concrete Panels;*

# *Repair Concrete Panels*

**Project Title:**

**Project CIP Number:**

*See Section 3 of the SBE, Method 9 for a complete description of the activity and conservation measures for this method. You need this information to fill out this form.*

Replace Ballast, Edge Armoring and Concrete Panels; Repair Concrete Panels

1. Identify what work will be done and whether the footprint of the repaired or replaced boat launch will be larger, smaller or the same size as the existing boat launch?

| Work conducted | Larger | Smaller | Same Size | Boat Launch Element | Amt. Smaller or Larger |
| --- | --- | --- | --- | --- | --- |
| Yes  No |  |  |  | Ballast | yd3 |
| Yes  No |  |  |  | Edge armoring | ft2 |
| Yes  No |  |  |  | Pre-cast concrete panels | ft2 |
| Yes  No |  |  |  | Cast-in-place concrete panels | ft2 |
| Yes  No |  |  |  | Repair concrete panels | ft2 |
| Yes  No |  |  |  | Other: | ft2 |
| Yes  No |  |  |  | Other: | ft2 |

2. Will all work be conducted by hand?  Yes  No

3. Will all work be conducted in the dry?  Yes  No

4. If fresh concrete will be poured, what measures will be implemented to avoid or reduce exposure of wet concrete to water?

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

Conservation Measures

The following table contains the conservation measures identified for Method 9B. 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 |  |
| 15 | Clean equipment that will work below the OHW or MHHW lines or in riparian or shoreline areas |  |
| 16 | Fuel equipment in staging areas |  |
| 18 | Use vegetable-based hydraulic fluid when equipment operates in sensitive areas |  |
| 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 |  |
| 59 | Use clean, washed material |  |
| 63 | Take care to prevent spread of invasive plant species during their removal |  |
| 69 | No wet concrete or epoxy shall come in contact with water |  |

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