Appendix A. Introduction and List of Specific Project Information Forms (SPIFs)

Each project is required to submit the applicable Specific Project Information Forms (SPIFs), which are based on the construction methods described in SBE Section 3. The SPIFs are listed below and each form is provided in this Appendix A.

Begin by filling out the SPIF Cover Page. The Cover Page provides basic project information and lists the additional individual SPIFs applicable to the project, which also need to be filled out.

In addition, fill out one of the two Effects Templates given in Appendix B for a project effects determination. These forms provide an analysis for a determination of effects to ESA-listed species, their federally-designated critical habitat and to Essential Fish Habitat (EFH). Jim Muck\(^1\) will be able to assist you with the determination and in filling out the forms.

The SPIF Cover Page, all other appropriate SPIFs and the appropriate effects determination should be submitted to Jim Muck for review and approval. Once approved and signed, attach the package to the JARPA and submit it all to the US Corps of Engineers for permit processing.

List of SPIFs

SPIF Cover Page

Method 1: Delineation of Work Areas and Project Startup

Method 2: Clearing, Grubbing, Grading, and Placement of Temporary Fill

Method 3: Work Area Isolation and Fish Removal in Streams, Large Waterbodies and for Pipe Bypass

   3A1: Temporary Bypass for Stream Flow: Partial Channel
   3A2: Temporary Bypass for Stream Flow: Full Channel
   3A3: Isolating Work Areas in Large Waterbodies

3B: Isolation/Bypassing of Piped Infrastructure

Method 4: Pipe, Culvert and Outfall Installation, Removal and Replacement

Method 5: Vactoring, Jetting, and Excavating Accumulated Sediments; Debris, Sediment Test Boring; and Pipe, Culvert, and Bridge Maintenance

   5A: Vactoring and Jetting
   5B: In-water Excavating
   5C: Sediment Test Boring

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\(^1\) Under an Agreement between the City of Seattle, the US Fish and Wildlife Service and the National Oceanic and Atmospheric Administration (NOAA) Fisheries, Jim Muck (206-526-4740, Jim.Muck@NOAA.gov) provides ESA services to City of Seattle staff.
5D: Pipe, Culvert and Bridge Maintenance
Method 6: Bank Stabilization
   6A: Demolish Bulkheads, Revetments, Groins
   6B: Construct Sheet Pile Bulkhead
   6C: Construct Cast-in-place Concrete Bulkhead
   6D: Construct Log or Rock Toe
   6E: Biotechnical Stabilization
   6F: Repair Bulkheads
Method 7: Habitat Addition and Maintenance
   7A: Large Woody Material
   7B: Boulders and Boulder Clusters
   7C: Weirs or Groins
Method 8: Beach Nourishment and Substrate Addition
   8A: Beach Nourishment
   8B: Substrate Addition
Method 9: Boat Launch Improvement, Repair and Maintenance
   9A: Fill Prop Wash Holes
   9B: Replace Ballast, Edge Armoring and Concrete Panels
       Repair Concrete Panels
   9C: Pressure Washing Boat Ramps
Method 10: In-water and Overwater Structure Repair and Replacement
   10A: Piling
   10B: Anchor and Chain Systems
   10C: Superstructure, Decking and Utilities on Fixed Structures
   10D: Floats and Gangways
   10E: Floating Log Boom
   10F: Buoys
   10G: Fixed Breakwaters
   10H: Highway or Road Bridge Foundation or Footing Repair
   10I: Removal of Plants and Animals from Pilings for Inspection or Repair
Method 11: Seawall Repair and Maintenance
Method 12: Site Restoration
Method 13: Landscaping and Planting