

Appendix D-1: Conceptual Design Deliverables

Project Deliverables	Conceptual Design	Project Phase		
		Preliminary Design	Final Design	Construction Project ¹
Conceptual Design Report and Drawings	✓	Application	Application	Application
Preliminary Design Report and Drawings		✓	✓	✓
Landownership Certification Form	✓	✓	✓	✓
Permit Applications		Optional	Optional	✓
Design Review Comments		Optional	✓	✓
Final Design Report and Drawings			✓	✓
Technical Specifications			✓	✓
Construction Quantities and Costs	3	✓	✓	✓
Bidding Documents			✓	✓
Permits			Optional	✓
Cultural Resources Compliance	2	2	2	✓
Control and Tenure Documents				✓
As-Built				✓

¹Design-build construction projects have an abbreviated set of design requirements before construction. See Appendix D-4.

²Cultural resources compliance may be required if sponsor is conducting ground-disturbing activities during the design phases.

³Rough cost estimate of the preferred alternative.

This appendix identifies the deliverables required when a planning project includes a conceptual design in the scope. Such planning projects may include watershed or reach assessments and feasibility studies. Projects resulting in a conceptual design require a minimum 15 percent match. This guidance intends to ensure that applicants, evaluators, and RCO grants managers have the same expectations for grant agreement deliverables.

Conceptual Design

The conceptual design is the first stage of developing site specific restoration actions. This process should use available watershed- and reach-level assessment information to address one or more priorities within a watershed strategy. The conceptual design should be guided by specific desired outcomes (objectives). Adequate technical information must be collected from the site to evaluate existing conditions and develop concept-level restoration techniques (alternatives). The preferred alternative concept must be documented with detailed drawings and a written report sufficient to explain and support proposed actions as well as guide the next stages of design.

Submit the following deliverables to the RCO grants manager.

Conceptual Design Deliverables

Submit the following deliverables to the RCO grants manager along with any assessment and feasibility deliverables funded in the scope of work.

- Description of the project site and the problems within the context of salmon recovery.
- Identification of specific goals and objectives to address the problems.
- Identification and conceptual design of alternatives to achieve the project objectives. Each conceptual design alternative must include a description of the design and a plan view drawing of existing site conditions and the proposed project on accurately scaled site plans. The plan view drawing must include an area/location map, property boundaries (either surveyed or approximated based on assessor's data), landownership, roads or other infrastructure as appropriate, scale, north arrow, water bodies and direction of flow, bank-full width or mean high water line for marine waters, and approximate dimensions of proposed elements.
- Evaluation and discussion of stakeholder comments and the pros and cons of each alternative.
- Selection of the preferred alternative(s).
- Rough construction cost estimate of the preferred alternative(s).