

Structural Submittal Expectations Matrix

Deliverables	Bridge Preliminary Plan <i>(geometric design review)</i>	Constructability Review Set <i>(constructability review)</i>	PS&E Review Set <i>(pre-contract review)</i>	Signed PS&E Set <i>(contract ready)</i>
Bridge Plan and Elevation	Preliminary Plan as defined in Bridge Design Manual	Complete	100% complete	Address comments from previous reviews
General Notes	N/A	General template in place	100% complete	Address comments from previous reviews
Construction Sequence	Provide when staged construction or a complex construction sequence is required. (see notes 1,2)	Update as required. Sequence must consider and shall be compatible with permitting restrictions. Superstructure Construction Sequence shall be provided.	100% complete	Address comments from previous reviews
Foundation Layout	(see note 3)	Foundation location and preliminary sizes.	100% complete	Address comments from previous reviews
Abutment Plans and Elevations	(see note 3)	Plan and elevation views without reinforcement.	100% complete	Address comments from previous reviews
Intermediate Pier Plans and Elevations	(see note 3)	Plan and elevation views without reinforcement.	100% complete	Address comments from previous reviews
Intermediate Pier and Abutment Details	N/A	N/A	100% complete	Address comments from previous reviews
Framing Plan	N/A	Complete	100% complete	Address comments from previous reviews
Superstructure Typical Section	Preliminary Plan as defined in Bridge Design Manual	Complete	100% complete	Address comments from previous reviews
Primary Superstructure Details (girders, slabs, post-tensioning details, etc.)	N/A	General template in place.	100% complete	Address comments from previous reviews
Diaphragms and Other Secondary Structure Details	N/A	N/A	100% complete	Address comments from previous reviews
Bridge Bearing and Expansion Joint Details	N/A	N/A	100% complete	Address comments from previous reviews
Bridge Drainage Details	Bridge drainage requirements determined.	Inlet types, sizes, and locations shown on layout sheets.	100% complete	Address comments from previous reviews
Bridge Supported Utility Details	Bridge supported utility requirements determined.	The number and type of utilities, and their locations in the bridge layout and typical section.	100% complete	Address comments from previous reviews

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Signage and Other Traffic Related Attachments	N/A	Type and location shown on layout.	100% complete	Address comments from previous reviews
Bridge Barrier and Railing Details	N/A	General template in place.	100% complete	Address comments from previous reviews
Bridge Approach Slabs	Preliminary Plan as defined in Bridge Design Manual	Update geometry shown on bridge layout sheet as required.	100% complete	Address comments from previous reviews
Bar List	N/A	N/A	100% complete	Address comments from previous reviews
Detour Structures	Preliminary Plan as defined in Bridge Design Manual (see note 1)	Update as required. Detour structure must consider and shall be compatible with permitting restrictions.	100% complete	Address comments from previous reviews
Construction Quantities and Cost Estimate	(see note 4)	Quantities are based on preliminary foundation design sizes. Cost estimate is quantities based.	100% complete	Address comments from previous reviews
Special Provisions	N/A	Provide General Special Provisions. The need for certain project specific Special Provisions should be identified, but such project specific provisions need not be developed at this stage.	100% Complete, including runlist of current WSDOT Amendments, GSP's, and 100% complete project specific Special Provisions	Address comments from previous reviews

NOTES:

1. Construction activities may be important in the planning and permitting of the project. Construction activities for bridges can create temporary environmental impacts that may be of greater concern to permitting and regulatory agencies than the long-term or permanent environmental impacts. Additional concept level structure plans may be required.
2. A construction schedule and sequence may be required in order to identify the duration and timing of construction activities that may be important in the planning and permitting of the project. Pile driving activities, for example, may be limited to certain times of the year in order to avoid impacts to endangered or threatened species.
3. A foundation layout with dimensions showing the types and sizes of substructure elements may be required in order to complete environmental documentation for the projects, particularly if the bridge is to be constructed over or near water. Geotechnical explorations and a preliminary geotechnical report may be required to support this effort. Show approximate structural shoring limits on Foundation Layout sheet when overexcavation is not feasible.
4. Bridge Preliminary Plan construction costs: Costs for simple bridges may be based on unit costs for bridge deck area. Structure costs for non-conventional structures or conventional structures to be built with non-conventional construction methods should be based upon preliminary bid item quantities.
5. Retaining wall, bridge painting, bridge overlay, and sign structure projects typically do not have preliminary structure plans. Plan sheets associated with each submittal for these types of structures can be determined on a project-by-project basis.