

11.1-1-1  
LAST REVISED: 06/30/2026

GENERAL NOTES:

1. ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION DATED 2025.
2. THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS 10<sup>TH</sup> EDITION 2024. DEAD LOAD INCLUDES ADDITIONAL FUTURE WEARING SURFACE OF 35 POUNDS PER SQUARE FOOT. THE BRIDGE TRAFFIC BARRIERS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS FOR TEST LEVEL 4 (TL-4) BARRIERS.
3. THE SEISMIC DESIGN OF THIS STRUCTURE HAS BEEN COMPLETED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AASHTO GUIDE SPECIFICATIONS FOR LRFD SEISMIC BRIDGE DESIGN 3<sup>RD</sup> EDITION 2023 USING THE SEISMIC DESIGN INFORMATION FROM THE GEOTECHNICAL RECOMMENDATIONS. SEE THE "SEISMIC RESPONSE SPECTRA" AND "SEISMIC DESIGN PARAMETERS" TABLES ON THIS SHEET FOR A SUMMARY OF THE SEISMIC DESIGN VALUES.
4. THE CONCRETE IN BRIDGE DECKS SHALL BE CLASS 4000D. THE CONCRETE IN BRIDGE APPROACH SLABS SHALL BE CLASS 4000A. THE CONCRETE IN SHAFTS AND PILES SHALL BE CLASS 5000P. ALL OTHER CAST-IN-PLACE CONCRETE SHALL BE CLASS 4000.
5. THE BACKFILL BEHIND THE ABUTMENTS MAY BE PLACED PRIOR TO PLACEMENT OF THE SUPERSTRUCTURE, IN ACCORDANCE WITH SECTION 2-09.3(1)E.
6. UNLESS OTHERWISE SHOWN IN THE PLANS, CONCRETE COVER MEASURED FROM THE FACE OF CONCRETE TO THE FACE OF ANY REINFORCING STEEL SHALL BE 2½" AT THE TOP OF THE BRIDGE DECK, 1" AT THE BOTTOM OF THE BRIDGE DECK (AND AT TOP AND BOTTOM OF BOTTOM SLAB), 3" AT THE BOTTOM OF FOOTING (SHAFT CAP) AND 2" AT ALL OTHER LOCATIONS.
7. FALSEWORK SHALL BE CAREFULLY RELEASED TO PREVENT IMPACT OR UNDUE STRESS IN THE STRUCTURE.
8. CONDUITS, JUNCTION BOXES, AND UTILITIES ARE SHOWN FOR REFERENCE ONLY. THE CONTRACTOR SHALL COORDINATE THESE PLANS WITH THE ELECTRICAL, I.T.S. AND OTHER CIVIL PLANS.
9. EXISTING FEATURES AND DIMENSIONS ARE BASED ON INSPECTION REPORTS AND AS-BUILT PLANS. ALL DIMENSIONS NOTED WITH AN ASTERISK (\*) SHALL BE FIELD MEASURED BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS AND PROCEEDING WITH CONSTRUCTION.
10. THE CONCRETE SEALS AT PIERS  AND  ARE DESIGNED FOR A SEAL VENT ELEVATION OF  AFTER THE SEALS ARE PLACED, COFFERDAMS SHALL NOT BE DEWATERED WHEN THE WATER SURFACE IS ABOVE THE DESIGN ELEVATION. PROVISIONS SHALL BE MADE TO FLOOD THE COFFERDAM IN THE EVENT THAT THE WATER SURFACE RISES ABOVE THE DESIGN ELEVATION. IF, IN THE OPINION OF THE ENGINEER, WATER CONDITIONS AT THE TIME OF CONSTRUCTION DO NOT REQUIRE SEALS FOR FOOTING (SHAFT CAP) CONSTRUCTION, THE ENGINEER MAY DELETE THE SEALS, AND EXCAVATION SHALL PROCEED ONLY TO THE BOTTOM OF THE FOOTING (SHAFT CAP).

11. NOMINAL BEARING RESISTANCE OF SPREAD FOOTING SHALL BE TAKEN AS FOLLOWS:

| PIER NO. | SERVICE LIMIT STATE | STRENGTH AND EXTREME EVENTS STATE |
|----------|---------------------|-----------------------------------|
| 1        | ==== KSF            | ==== KSF                          |
| 2        | ==== KSF            | ==== KSF                          |

12. PILES SHALL BE DRIVEN TO AN ULTIMATE BEARING RESISTANCE AS FOLLOWS:

| PIER NO. | ULTIMATE BEARING RESISTANCE |
|----------|-----------------------------|
| 1        | ==== TONS                   |
| 2        | ==== TONS                   |

| SEISMIC RESPONSE SPECTRA                                                                                                                             |                           |                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------|
| PERIOD (SECONDS)                                                                                                                                     | SPECTRAL ACCELERATION (g) |                 |
|                                                                                                                                                      | S <sub>EE</sub>           | F <sub>EE</sub> |
| X.XX                                                                                                                                                 | X.XX                      | X.XX            |
| X.XX                                                                                                                                                 | X.XX                      | X.XX            |
| X.XX                                                                                                                                                 | X.XX                      | X.XX            |
| X.XX                                                                                                                                                 | X.XX                      | X.XX            |
| X.XX                                                                                                                                                 | X.XX                      | X.XX            |
| X.XX                                                                                                                                                 | X.XX                      | X.XX            |
| X.XX                                                                                                                                                 | X.XX                      | X.XX            |
| X.XX                                                                                                                                                 | X.XX                      | X.XX            |
| X.XX                                                                                                                                                 | X.XX                      | X.XX            |
| X.XX                                                                                                                                                 | X.XX                      | X.XX            |
| X.XX                                                                                                                                                 | X.XX                      | X.XX            |
| X.XX                                                                                                                                                 | X.XX                      | X.XX            |
| X.XX                                                                                                                                                 | X.XX                      | X.XX            |
| X.XX                                                                                                                                                 | X.XX                      | X.XX            |
| X.XX                                                                                                                                                 | X.XX                      | X.XX            |
| X.XX                                                                                                                                                 | X.XX                      | X.XX            |
| X.XX                                                                                                                                                 | X.XX                      | X.XX            |
| X.XX                                                                                                                                                 | X.XX                      | X.XX            |
| X.XX                                                                                                                                                 | X.XX                      | X.XX            |
| X.XX                                                                                                                                                 | X.XX                      | X.XX            |
| X.XX                                                                                                                                                 | X.XX                      | X.XX            |
| X.XX                                                                                                                                                 | X.XX                      | X.XX            |
| X.XX                                                                                                                                                 | X.XX                      | X.XX            |
| X.XX                                                                                                                                                 | X.XX                      | X.XX            |
| SITE CLASS - X<br>F <sub>EE</sub> = FUNCTIONAL EVALUATION EARTHQUAKE<br>S <sub>EE</sub> = SAFETY EVALUATION EARTHQUAKE<br>g = GRAVITATIONAL CONSTANT |                           |                 |

| SEISMIC DESIGN PARAMETERS                                                                            |                 |                 |
|------------------------------------------------------------------------------------------------------|-----------------|-----------------|
| PARAMETER DESCRIPTION                                                                                | S <sub>EE</sub> | F <sub>EE</sub> |
| SITE CLASS                                                                                           | X               | X               |
| MEAN MAGNITUDE (M <sub>w</sub> )                                                                     | X.X             | X.X             |
| SITE FACTORED PEAK GROUND ACCELERATION COEFFICIENT (A <sub>s</sub> )                                 | X.XXg           | X.XXg           |
| EQUIVALENT EARTHQUAKE RESPONSE SPECTRAL ACCELERATION COEFFICIENT AT SHORT PERIODS (S <sub>Ds</sub> ) | X.XXg           | -               |
| EQUIVALENT EARTHQUAKE RESPONSE SPECTRAL ACCELERATION COEFFICIENT AT 1 SECOND (S <sub>D1</sub> )      | X.XXg           | -               |
| SEISMIC DESIGN CATEGORY (SDC) BASED ON S <sub>D1</sub>                                               | X               | -               |

- NOTES TO DESIGNER:
1. Each project is unique, additional notes are allowed to meet project needs. Further adjustment of notes are permissible, however standard formats offer uniformity across projects.
2. Remove all clouds, notes to designer, inapplicable notes, and fill in generic xxx values prior to use of this standard drawings.
3. For simple span bridges the seismic response spectra and other seismic parameters unavailable may be omitted. Still include the seismic design parameters table inclusive of site class and A<sub>s</sub>. Revise note #3 accordingly.

|                                            |  |          |      |                        |                                                                                                                                                                                                                                                                                     |                                                                                                                                   |                                    |                                    |                                                         |             |
|--------------------------------------------|--|----------|------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------|------------------------------------|---------------------------------------------------------|-------------|
| FILE NAME11.1-1_General Notes - Bridge.dgn |  |          |      | REGION NO.10           | STATEWASH                                                                                                                                                                                                                                                                           | <br>PRELIMINARY PLAN<br>NOT FOR CONSTRUCTION | SEE<br>CERTIFICATION SHEET<br>DATE | SEE<br>CERTIFICATION SHEET<br>DATE | STANDARD DESIGN DRAWINGS<br>GENERAL NOTES AND SCHEDULES | PLAN REF NO |
| BRIDGE DES. ENG.                           |  |          |      | CONTRACT NO.           | SHEET<br>OF<br>SHEETS                                                                                                                                                                                                                                                               |                                                                                                                                   |                                    |                                    |                                                         |             |
| BRIDGE PROJ. ENG.                          |  |          |      |                        |                                                                                                                                                                                                                                                                                     |                                                                                                                                   |                                    |                                    |                                                         |             |
| SUPERVISOR                                 |  |          |      |                        |                                                                                                                                                                                                                                                                                     |                                                                                                                                   |                                    |                                    |                                                         |             |
| DESIGNED BY                                |  |          |      |                        |                                                                                                                                                                                                                                                                                     |                                                                                                                                   |                                    |                                    |                                                         |             |
| CHECKED BY                                 |  |          |      |                        |                                                                                                                                                                                                                                                                                     |                                                                                                                                   |                                    |                                    |                                                         |             |
| ENTERED BY                                 |  |          |      | GENERAL NOTES - BRIDGE |                                                                                                                                                                                                                                                                                     |                                                                                                                                   |                                    |                                    |                                                         |             |
| PRELIM. PLAN BY                            |  |          |      |                        |                                                                                                                                                                                                                                                                                     |                                                                                                                                   |                                    |                                    |                                                         |             |
| ARCH. / SPEC.                              |  | REVISION | DATE | BY                     | PLOT DATE: 30-Jun-2026 PLOT TIME: 2:09:47 PM PLOTTED BY: ChurcC FILE PATH: pw://projectstore.wsdot.wa.gov:WSDOT/Documents/_HQ/Bridge & Structures/Bridge Design/_Design Standards/Standard Drawings and Details/Standard Notes and Schedules/_DGN/11.1-1_General Notes - Bridge.dgn |                                                                                                                                   |                                    |                                    |                                                         |             |