

Revision Log for *Guidelines for Checking Final Design Bridge Plans*

04/2020 Revision

- 1) General Plan and Elevation Sheet: Under "General Plan", clarified format for showing azimuth.
- 2) General Plan and Elevation Sheet: Under "General Plan", added requirement to show and label critical vertical clearance points. Also changed "...barrier/parapet..." to "...barrier/parapet/curb...".
- 3) General Plan and Elevation Sheet: Under "General Elevation", changed "...barrier..." to "...barrier/parapet/curb...".
- 4) General Plan and Elevation Sheet: Under "Title Block & Information Bar", changed "...barrier/rail." to "...barrier/parapet/curb and/or metal railing".
- 5) Transverse Section and Schedule of Quantities Sheet: Under "Transverse Section", changed "...barrier..." to "...barrier/parapet/curb...". Also changed "...median or sidewalk..." to "median/sidewalk/curb...".
- 6) Abutment Geometry Sheets: Under "Wingwall Plan", added requirement to provide XY coordinates at wingwall ends on Metro District projects.
- 7) Abutment Geometry Sheets: Under "Wingwall Elevation", changed "...barrier..." to "...barrier/parapet/curb...".
- 8) Abutment Reinforcement Sheets: Under "Plan View and Elevation", changed "...barrier..." to "...barrier/parapet...".
- 9) Abutment Reinforcement Sheets: Under "Abutment Wingwall", changed "...barrier..." to "...barrier/parapet/curb...".
- 10) Superstructure Sheets: Under "Framing Plan", revised diaphragm requirements to show and label end diaphragms only for bridges with parapet type abutments. Also, removed requirement to show additional fascia bay diaphragms to protect from traffic hits.
- 11) Superstructure Sheets: Under "Prestressed Concrete Beam Sheet", removed requirement to fill in approximate beam weight.
- 12) Superstructure Sheets: Under "Prestressed Concrete Beam Sheet", changed, "Box out and cross-hatch diaphragm..." to "Box out and hatch diaphragm...".
- 13) Superstructure Sheets: Under "Prestressed Concrete Beam Sheet", removed requirement to fill in prestressing strand diameter boxes.
- 14) Superstructure Sheets: Under "Deck Plan", changed "...barrier..." to "...barrier/parapet/curb...".
- 15) Superstructure Sheets: Under "Transverse Section", changed "...barrier..." to "...barrier/parapet/curb...". Also changed "...railing..." to "...barrier/parapet/curb...".
- 16) Superstructure Sheets: Under "Transverse Section", clarified 2 requirements regarding how to show bottom of deck under sidewalk and crown.
- 17) Superstructure Sheets: Changed sheet name titles from "Concrete Barrier/Parapet..." to "Concrete Barrier/Parapet/Curb...". Also changed checklist items under the sheet names from "...barrier..." and "...barrier/parapet..." to the appropriate combination. Also changed, "Block out and cross-hatch details..." to "Box out and hatch details...".
- 18) Superstructure Sheets: Under "Waterproof Expansion Device Sheet", changed "...barrier" to "...barrier/parapet/curb".
- 19) Superstructure Sheets: Under "Waterproof Expansion Device Sheet", changed, "Label ends..." to "Label sides...".

- 20) Superstructure Sheets: Under “Waterproof Expansion Device Sheet”, added requirement to show Section B-B looking upstation.
- 21) Detail Sheets: Under “Standard Details”, added B307 and B919, and deleted B831. Also revised description for B830 and B950.
- 22) Additional Guidelines: Under “For All Sheets”, revised title of drafting standards document.
- 23) Additional Guidelines: Under “For All Sheets”, removed guidance regarding modifying standards.

2/2018 Revision

- 1) Title Page: Updated MnDOT logo.
- 2) General Plan and Elevation Sheet: Removed requirement to show location of benchmark.
- 3) General Plan and Elevation Sheet: Changed requirement to show radius and/or degree of curve per preliminary bridge plan.
- 4) General Plan and Elevation Sheet: Revised the note regarding horizontal dimension between roadway/pier to toe of slope to instead provide horizontal clearance from roadway edges to nearest obstruction. Also, if clearance varies, provide minimum clearance.
- 5) General Plan and Elevation Sheet: Added guidance to extend riprap to 1 ft above 100 yr headwater elevation.
- 6) General Plan and Elevation Sheet: Clarified that for state funds only projects, delete “FEDERAL PROJ. NO” and replace with “STATE FUNDS”.
- 7) Bridge Layout Sheet: Changed example azimuth from 152°02’13.40” to 152°02’13.4”
- 8) Abutment Geometry Sheets: Removed requirement to show location of benchmark.
- 9) Detail Sheets: Added B906 to list of standard details.
- 10) Bridge Survey Sheets: Changed subheading from “Bridge Survey – Plan and Profile” to “Borings”.
- 11) Bridge Survey Sheets: Combined items that require showing footings in plan and elevation into a single item and clarified wording.
- 12) Bridge Survey Sheets: Added requirement to label test pile numbers in elevation view and clarified existing note regarding how to number the test piles.
- 13) Bridge Survey Sheets: Removed requirement to label bottom of footing elevation.
- 14) Bridge Survey Sheets: Removed requirement to label test pile sizes, lengths, and bottom of pile elevations.
- 15) Additional Guidelines: Under “Order of Sheets”, revised first bullet from “General Plan, Elevation, Cross Section” to “General Plan and Elevation”. Also revised second bullet from “Pay Items” to “Cross Section and Pay Items”.
- 16) Additional Guidelines: Revised rounding guidelines such that for alignment and profile data given in the preliminary bridge plan, retain the number of decimal places when placed in the final bridge plan.
- 17) Updated references to LRFD Bridge Design Manual where needed.