

Bridge Design Details 7.9 August 2025

Main Bent Cap Top Reinforcement (Wide)

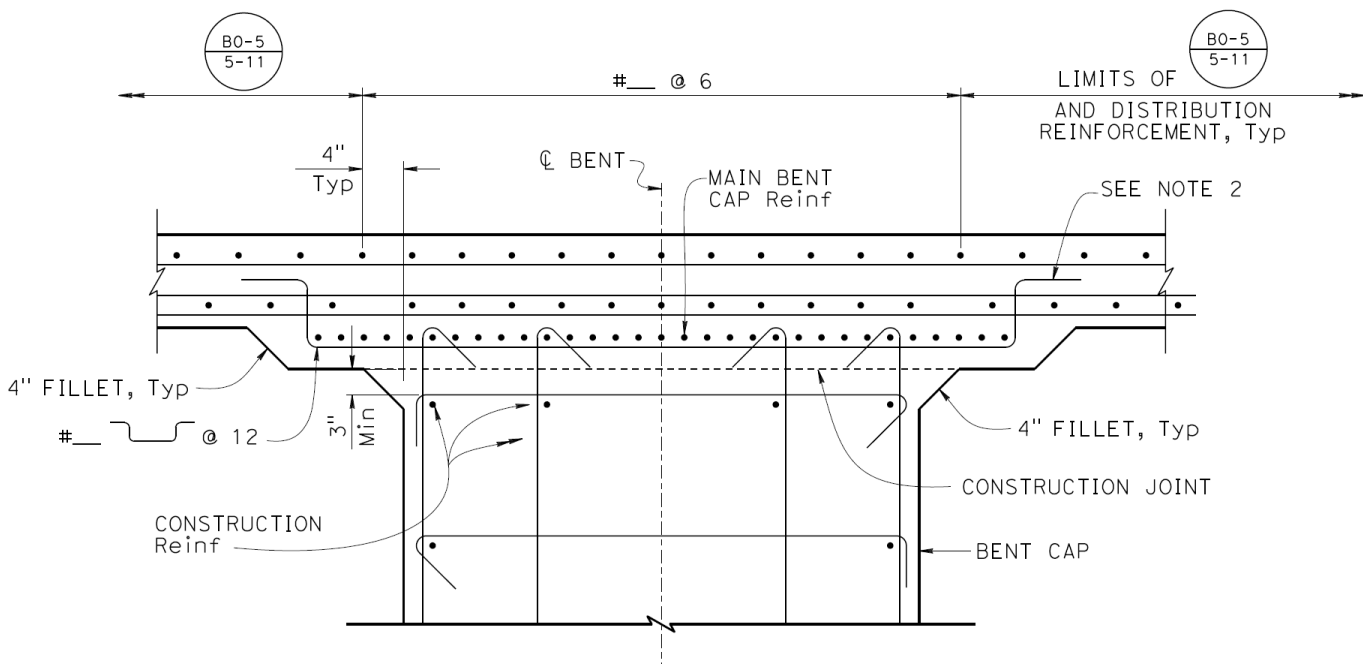
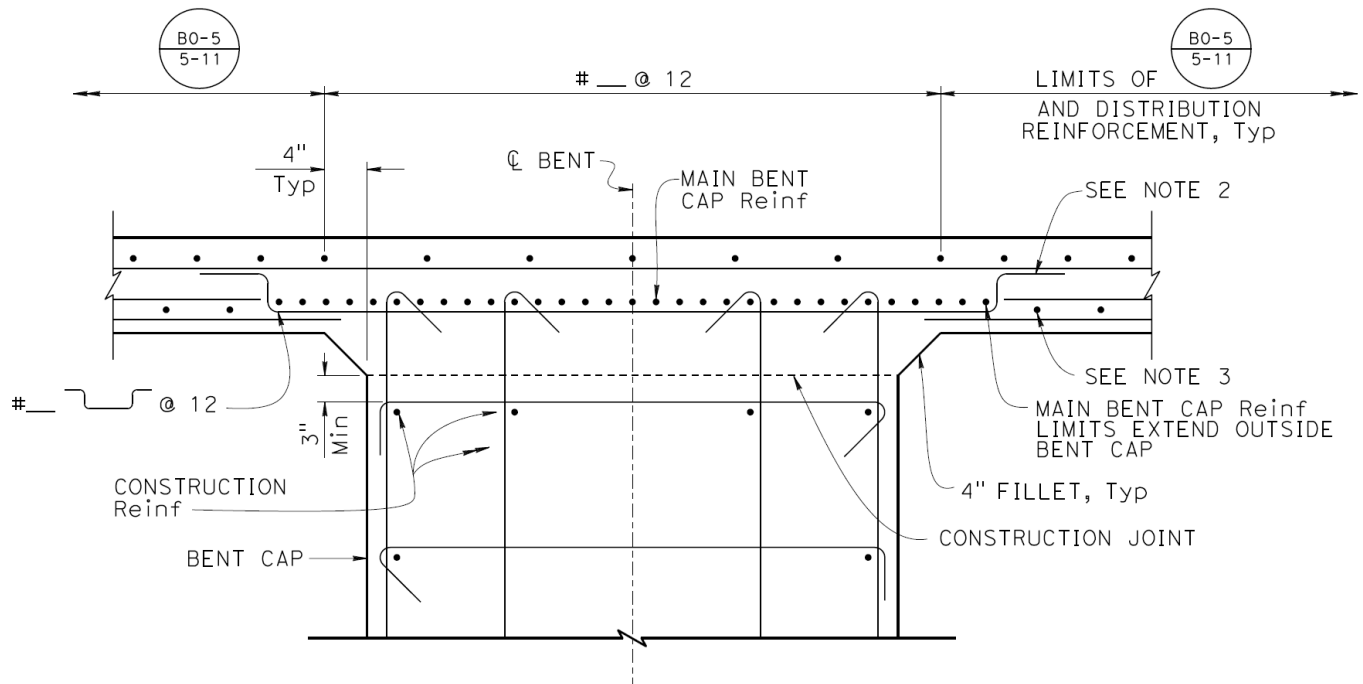


Figure 7.9.2 Bent Cap Reinforcement (Over 20° Skew)



Notes:

1. Main bent cap top reinforcement may be bundled vertically or horizontally wider than bent cap section. Vertical bundles should be avoided in post-tensioned/prestressed girder bridges.
2. Hooks should be tied to top deck longitudinal reinforcement (0° to 20° Skew); hooks to be located between top and bottom deck longitudinal reinforcement (Over 20° Skew).
3. Distribution and transverse bars in deck may need to be terminated beyond the typical 3" minimum from face of bent cap to allow placement of additional top bent cap reinforcement.
4. A "dropped" deck section may be required if main bent cap bars are bundled vertically or if skew is greater than 20° .