SUMMARY OF JUNE 2025 REVISIONS – VERSION 3.3.0.0

Since the release of BRADD Version 3.2.9.1, several operational issues have been addressed. This release of BRADD Version 3.3.0.0 contains the following revisions:

1. BRADD has been updated to use STLRFD version 2.9.0.0 (September 2024) (TFS 5911)

2. BRADD has been updated to use ABLRFD version 1.19.0.0 (February 2024) (TFS 5854)

3. BRADD has been updated to use ABLRFD version 1.20.0.0 (May 2025) (TFS 5909)

4. When (due to bearing design) both abutments have dowels, two Abutment End section details will be placed. (TFS 5858)

5. BRADD was modified to allow placement of a PPC overlay on the deck, defined by thickness. (TFS 5914, TFS 5926)

6. STLRFD 2.9.0.0 now includes the DOL (Deck Overhang Loads) input command. BRADD now displays an input menu for the parameters of this command. (TFS 5911)

7. BRADD has been updated to use STLRFD version 2.9.0.1 (March 2025) (TFS 5939, TFS 5931)

8. STLRFD version 2.9.0.1 has been revised and is installed as "2.9.0.2-brd". In STLRFD v2.8.0.0, the rolled beam design was changed to include a category C' fatigue check at the maximum fatigue moment location. STLRFD v2.9.0.2-brd now runs this fatigue check with a Fatigue II limit state for jobs with $(ADTT)_{SL}$ below 735, in accordance with DM-4 Table 6.6.1.2.3-2 -- 100-yr $(ADTT)_{SL}$ Equivalent to Infinite Life. (TFS 5941, STREV933)

9. The October 2024 Edition of the BD Standards (April 2016 Edition, Change 7) have been incorporated into BRADD. (TFS 5925)

10. The October 2024 Edition of the BC Standards (September 2016 Edition, Change 7) have been incorporated into BRADD. (TFS 5925)

11. Publication 13M (DM-2, Highway Design, March 2015 Edition, Change 11, March 2024) and Pub 13 (DM-2, Contextual Roadway Design, April 2021 Edition, Change 5, March 2024) have been incorporated into BRADD. (TFS 5905)

12. The 2010 Edition of the RC Standards (Change 12, December 2024) has been incorporated into BRADD. (TFS 5943)

13. Publication 408/2020 (Change 10, effective April 2025) has been incorporated into BRADD. (TFS 5904)

14. Revised the Effective Slab Thickness parameter on the SLB commands for both PSLRFD and STLRFD input files. This will be set to ½" less than the determined deck Slab Thickness, independent of the BRADD input Concrete Deck Slab Top Cover Adjustment. (TFS 5935)

15. BRADD has been updated to use NotePad.EXE, if WordPad.EXE is not installed. (TFS 5937)

16. For adjacent box beams, the default maximum overhang is 8". Only when a vertical wall barrier, not associated with a sidewalk, is present does the maximum overhang for the beam layout change to 4" (BD-618M sheet 11 of 12). (TFS 5954)