April 2011 Update
ODOT Bridge Design & Drafting Manual

Update Summary

Section 1 – Design and Detailing Practices

1.1.2.7 Bridge End Panels and Supports – Remove references to local agency bridges and optional end panels.

1.1.2.9.12 ODOT Accelerated Bridge Construction (ABC) Guidelines – add explanation and figures for new Analytic Hierarchy Process (AHP) decision and cost analysis tool

1.1.2.12 Final Design, General – clarify language regarding P.E. stamping

1.1.8.3 Wingwall Design and Construction – add background and explanation on longtime Region 4 preference of having bottom of wingwalls level.

1.1.8.4 End Bents, Integral Abutments – use integral abutments where possible

1.1.8.6 Pile Cap Abutment Details – add guidance for girders which are set on elastomeric pads, then fixed to bent. Fig. 1.1.8.6A: convert metric dimensions

1.1.10.2-1 Seismic Retrofit – clarify Performance Levels for Lower Level Ground Motion with respect to FHWA-HRT-06-032 retrofitting manual

1.1.10.6 Liquefaction Evaluation and Mitigation Procedures – Note 3: add note for design submittals to HQ Bridge Section

1.1.12.5 Permanent Strengthening of Reinforced Concrete Bridges
(3) Epoxy Injection – revisions & clarifications (added 6/10/11)

1.1.20.1.1 Decks, Design and Detailing – new section for Precast Deck Panels

1.1.20.5 Deck Overlays – general cleanup, revise & clarify bid basis for Class 2 and Class 3 deck preparation

1.2.1.5 Bearing Stiffeners – delete skewed weld detail, add instructions for skewed bearing stiffeners.

1.2.1.8 Beam Camber, (2) Shrinkage Camber – remove numeric values from Ec and f'c, make generic.

1.4.9.4 Falsework, General – clarify capacity of jacking systems

1.4.11 Bat Habitat – added guidance for bat habitat on bridges

1.6 ODOT Design Instructions for AASHTO LRFD Bridge Design Specifications – add LRFD-BDDM Cross-Reference Table

Section 2 – Drafting Practices

2.1.1 Standard File Format – clarify MicroStation requirements

2.1.3.1 Drawings Start to Finish – various revisions