Highway Design Manual (Volume I)
List of Major Revisions to Chapter 09

1. Introduction
   a. Added reference to Title 23 Code of Federal Regulations (CFR) 645 Utilities and 646 Railroads as the guiding federal requirements for accommodating utilities and railroads.
   A. General
      a. Added additional Bureaus with which to coordinate utility issues.
   B. Jurisdiction
      a. No major changes.
   C. Reimbursement
      a. Removed and clarified wording regarding reimbursement.

2. Responsibility
   A. Utility
   B. Bureau of Highway Design and Bridge Design
      a. Changed heading to “Design Coordination” to incorporate other Bureaus and Departments that involve Utility/Railroad Coordination in the design process.
      b. Included the additional Bureaus and Departments that involve Utility/Railroad Coordination.
   C. Bureau of Construction
      a. No major changes.
   D. Bureau of Right-of-Way
      a. No major changes.

3. Procedure
   A. Highway Projects
      a. Updated to better describe the utility coordination process during design.
   B. Lighting
      a. Minor modifications to materials needed for lighting design and the references to design manuals.
   C. State Force Account Projects
      a. No major changes.
   D. Railroad Grade Crossing Projects
      a. Changed heading to “Railway-Highway Grade Crossing Projects”.
      b. No major changes.
   E. Railway Grade Separation
      a. No major changes.
   F. Utility or Railroad Force Account Projects
      a. No major changes.
4. Location and Design
   A. Updated list of additional designer reference material.
   B. Subsurface Utility Engineering (SUE)
      a. Added this section regarding the use of Subsurface Utility Engineering.

5. Traffic Control
   a. No major changes.

6. Utility Coordination Process

7. References
   a. New section.

8. Appendix
   b. New Appendix 9-2 Utility/Railroad Coordination Process (Scheduling Guidelines) moved from within chapter and updated.
   d. Updated and renumber Utility Request form to be Appendix 9-4.
   e. New Appendix 9-5 Utility & Railroad Certificate Template