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| Revise CMM 810.1.1 to reflect updated Buy America provision. |
| Revise CMM 810.4.3 to be consistent with how price reduction change orders are to be entered into AASHTOWare Project Construction™ (AWP) Construction. |
| Revise CMM 810.4.4 to be consistent with how price reduction change orders are to be entered into AWP Construction. |

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Section 815 Density Testing	560
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| Revise CMM 815.2 to update contact information, the HTCP web page link, and location of BTS gauge blocks. |
| Revise CMM 815.10.4 to clarify duration of test and gauge placement and update example table information. |
| Revise CMM 815.12.1 to add description and figure for base aggregate dense testing area. |

Section 820 Independent Assurance Program.....	582
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| Revise CMM 820.1 to add scope subsection and information regarding the reason for the independent assurance program. |
| Revise CMM 820.2 to add Federal Requirements subsection and to add Code of Federal Regulations information and reference. |

Section 830 QMP - General	583
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| Revise CMM 834.2.1 information regarding base aggregate verification sample delivery and testing timelines, and sample transportation. |
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Section 835 QMP – Concrete.....	608
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| Revise and add numerous subsections within CMM 835 - QMP Concrete. |
| New or revised subsections include the following: definitions, concrete grades, quality control plan, contractor concrete mix designs, Class I and II mix designs, department review of mix designs, aggregate systems, optimized aggregate gradation, combined gradation, lots by lane feet, lots by cubic yard, class I cast-in-place barrier, class I structures, class II and III ancillary, temperature, air content, strength specimens, fabricating and curing strength specimens, class I pay adjustment for strength, pay adjustment for partial lots (less than 4 sublots), statistical pay adjustment (4 or more sublots), quality assurance testing, verification testing, independent assurance review, and documentation. |

Section 836 QMP - HMA.....	617
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| Revise CMM 836.6.3 to update that when department is using an ignition oven to determine AC, they must conform to CMM 836.6.3.7 (Initial Ignition Oven Correction Factor Determination). |
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Revise CMM 836.6.5 to state that dry mass is measured according to AASHTO R79 as modified in new subsection CMM 836.6.11 (Vacuum Drying Compacted Asphalt Specimens by WisDOT Modified AASHTO R79) .

Add CMM 836.6.11 regarding vacuum drying compacted asphalt specimens by WisDOT Modified AASHTO R79.

Section 838 Ride Quality 645

Section 840 Materials Sampling..... 653

Section 845 Materials Testing and Acceptance - General 658

Revise CMM 845.3.2.3 to reflect updated Buy America provision.

Revise CMM 845.5.1.2.3 Table 845-1 for bar couplers to require 125% of the specified yield strength.

Section 846 Materials Data Collection and Reporting Software System..... 675

Revise CMM 846.3.2 to add concrete surface resistivity to Table 846-1 along with its corresponding application information.

Revise CMM 846.6.1 to update user data oversight committee contact information.

Section 850 Materials Testing and Acceptance Guide 686

Revise two items in CMM 850.1 – Material Testing and Acceptance Guide.

Change the emulsified asphalt sample container size from 1 to 2 quarts, along with revising the remarks to clarify sampling volume and provide suggested sampling container. Add information in concrete reinforcement section to verify bar coupler system exceeds 125% of the specified yield strength.

Section 855 Materials Testing and Acceptance - Earthwork..... 711

Section 860 Materials Testing and Acceptance - Aggregates..... 714

Revise CMM 860.2 to add information to describe the four types of aggregate sampling and the sampling scenarios for each.

Section 865 Asphaltic Binder Materials 747

Section 866 Asphalt Mixture Design 749

Section 870 Materials Testing and Acceptance - Concrete..... 759

Revise and add numerous subsections within CMM 870 – Materials Testing and Acceptance – Concrete.

New or revised subsections include the following: component materials, cementitious materials, mixing water, aggregate, contractor aggregate testing responsibilities, contractor small quantity requirements, contractor requirements, department aggregate testing responsibilities, department small quantity responsibilities, department requirements, class I department small quantity aggregate and concrete pavement aggregate testing, structure aggregate testing, cast-in-place barrier aggregate testing, class II department concrete aggregate testing, department sampling, corrective action, optimized aggregate gradation (OAG) and combined aggregate gradation (CAG), and concrete sampling and testing standard procedures.

Add Attachment 870-2 for the test procedures for air content of fresh concrete measurement.

Add Attachments 870-9 to 870.15 for various test procedures

Section 871 Concrete Mixture Design 816

Add CMM 871 - Concrete Mix Design. Some information moved from CMM 870.2.2. Information revised and updated.

New or revised subsections include the following: general concrete mix design definition and requirements, laboratory trial batching, structures, structure compressive strength requirements under ACI 301, pavement and cast-in-place barrier, flexural strength for pavements, concrete mixture design submittal and reporting, department mixture design documentation review for Class I, Class II and Class III concrete, concrete mixture design modifications for cement and supplementary cementitious materials (SCMs), change in SCM replacement rates, changing sources for structures, fly ash, slag, silica fume and supplementary cementitious materials types, chemical admixtures, mixing water, aggregates, and optimized concrete mixtures.

Section 875 Materials Testing and Acceptance - Structures..... 822