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***Added guidance for use of polyethylene and polypropylene pipes, guidance for pipe foundation, excavation, storage, handling, bedding, backfill and deflection guidance updated.***

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**Chapter 8: Materials Testing, Sampling, Acceptance**

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*Material coordinator course is mandatory per 2017 standard specifications.*

Section 8-13 Weighed Materials

Section 8-15 Density Testing

*Removed use of ValiDator for calibration of gauges.*

*Gauge is run thru a comparison process verses a correlation process.*

Section 8-20 Independent Assurance Program

Section 8-30 QMP - General

*Paragraph 8-30.9.2 revised to require contractor must provide random numbers and sample locations.*

Section 8-32 QMP - Subgrade

Section 8-34 QMP - Aggregate

Section 8-35 QMP - Concrete

Section 8-36 QMP - HMA

*Removed optional contractor assurance, revised examples used to determine sampling.*

Section 8-38 Ride Quality

*Section has been rewritten to address many questions and concerns, added discussion/diagrams for roundabouts.*

Section 8-40 Materials Sampling

*Material specifications transition period edited.*

Section 8-45 Materials Testing and Acceptance - General

*Section was rewritten for better organization.*

Section 8-46 Materials Data Collection and Reporting Software System

*New section regarding materials reporting software.*

Section 8-50 Materials Testing and Acceptance Guide

*Section has been re-organized, please review.*

Section 8-55 Materials Testing and Acceptance - Earthwork

Section 8-60 Materials Testing and Acceptance - Aggregates

Section 8-65 Asphaltic Binder Materials

*Corrected link for Combined State Binder Group*

*Added example of a completed sample tag.*

Section 8-66 Asphalt Mixture Design

***Section revised for asphalt binder content testing, AASHTO T305 draindown testing, air void regression; 3% asphalt binder content, selected mixes are subject to performance-based testing, air void regression specs***

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