

Chapter 11

ASPHALT

11.1 Asphalt Quality Assurance (QA) Referee System for Non-QC 2000 Projects	Plant Operations	11-1-1
11.1.1 Purpose .....	.....	11-1-1
11.1.2 Authority .....	.....	11-1-1
11.1.3 General .....	.....	11-1-1
11.1.4 Referee System	Automated Plant w Batch Weight System	11-1-24
11.1.5 Plant Operation Requirement for Accuracy Condition & Tolerances.....	.....	11.1.4
11.2 Testing and Correction of Surface Deficiencies on Asphalt Pavement	Asphalt Mix Temperature Control	11-2-1
11.2.1 Purpose .....	.....	11-2-1
11.2.2 Authority .....	.....	11-2-1
11.2.3 General	Temperature Measurement Procedures	11-2-1
11.2.4 Verification	Corrective Action	11-2-24
11.2.5 Resolution .....	.....	11-2-4
11.2.5 Flowchart .....	.....	11-2-2
11.3 Asphalt Mix Temperature Control	Categorizing Asphalt and Other Base Courses	11-3-1
11.3.1 Purpose .....	.....	11-3-1
11.3.2 Authority .....	.....	11-3-1
11.3.3 Non-QC 2000 Projects	The Different Courses	11-3-1
11.3.4 Temperature Measurement Procedures .....	.....	11-3-1
11.3.5 Corrective Action .....	.....	11-3-2
11.4 Adjustments		11-4-1
11.4.1 Purpose .....	.....	11-4-1
11.4.2 Authority .....	.....	11-4-1
11.4.3 Types of Adjustments .....	.....	11-4-1
11.4.3.1 Spread Rate and Overall Adjustments .....	.....	11-4-1
11.4.3.2 Thickness Adjustments (Core-out Adjustments)(Limerock) .....	.....	11-4-8
11.4.3.3 Thickness/Spread Rate Adjustment (Composite Base) .....	.....	11-4-9
11.4.3.4 Composite Pay Factor Adjustments .....	.....	11-4-10
11.4.3.5 Bituminous Adjustments .....	.....	11-4-17

11.5 Testing and Correcting Asphalt Pavement Surface Deficiencies	11-5-1
11.5.1 Purpose	11-5-1
11.5.2 Authority	11-5-1
11.5.3 General	11-5-1
11.5.4 Verification	11-5-2
11.5.5 Resolution	11-5-4
11.5.6 Documentation of Deficiencies (Examples)	11-5-6
11.6 Documentation of Multi FIN Project ID Numbers under One Contract ..	11-6-1
11.6.1 Purpose	11-6-1
11.6.2 Authority	11-6-1
11.6.3 For Multi Projects Under One Contract (Same Pay Item)	11-6-1
11.6.4 For Multi Projects Under One Contract Including Non Federal Aid	11-6-2
11.7 Asphalt Construction Information for Contractor's Quality Control (CQC) Specifications	11-7-1
11.7.1 Purpose	11-7-1
11.7.2 Authority	11-7-1
11.7.3 Asphalt Construction Information for CQC Specifications	11-7-1
11.7.4 Department's Verification on Quality Control Documentation	11-7-1
11.7.5 Contractor & Department-Waste Asphalt Quantity Determination	11-7-2
11.7.6 Resolution Reports for AC Content, Gradation, Density Cores, & CPFs	11-7-2
11.8 Submittals	11-8-1
11.8.1 Purpose	11-8-1
11.8.2 Authority	11-8-1
11.8.3 Monthly Submittals	11-8-1
11.8.4 Residency's Responsibility	11-8-1
11.9 Salvage of Materials	11-9-1
11.9.1 Purpose	11-9-1
11.9.2 Authority	11-9-1
11.9.3 Salvage of Materials	11-9-1