

The Matrix

The following chart is not meant to include all duties of all project personel - when in doubt, read the specification.

Part 1

Operation	Frequency	Spec. Ref.	Contractor Personnel					Agency Personnel				
			Paving-L1	Paving-L2	Plant-L1	Plant-L2	QC Manager	Rdwy Inspector-VT	Plant Inspector-VT	DM	Other	
Submit QC Plan for approval	1 per job	5-8.5,105-4					X					
Approve QC Plan	1 per job	105-4										Engineer
Plant Operations												
Locate trucks to sample	Per randoms numbers	334-4.1,SCO 24-03								X		
Sample Mix at plant	Per randoms + 100#	334-4.3.1,4.4		X						assist		
Monitor Mix Temperature	1st 5 loads, every 5th	330-2.2,330-6.3				Delegate						
Verify Mix Temperature	As Needed	Materials Man.								X		
Process Control Testing	See QCP or QCM	330-2.1,2.2, 334-6		X		Delegate						
Process and Run QC tests	1 per subplot	334-4.1,4.4		X								
Process and Run VT tests	1 per Lot	334-4.3.3, 4.5								X		
General Inspection Duties	As needed	SCO 24-03,105-5.2	X	X	X	X	X	X	X	X	X	
Verify Weigh System Comparison	Once/ Two Weeks	320-2.2.4				X				X		
Mix Design Summary Spreadsheet	Per test/sublot	SCO 24-03								X		
Run QC-VT Analysis	Per Lot	334-4.5								X		
Enter data into CQR/LIMS	Daily	105-5.2					Delegate					
Monthly certifications	Monthly	105-2					Oversee					
Independent Sample Verification	1 per 4,000 tons	334-4.6,SCO 24-03									X	
Comparison Testing for IA	Start up, as needed	334-4.7									X	
Resolution Testing	As needed	334-4.5.1									X	Resolution
Verification Reports	Per test/lot	SCO 24-03						X	X			
Complete Daily Reports	Daily	105-5.2				X				check		
Viscosity Samples/RAP Mix	1st 1000, 1/4000 tons	334-2.5.5		X						X		
Administer implementation of QC Plan	Daily	5.8.5					X					

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Part 2

			Contractor Personnel					Agency Personnel			
			Paving-L1	Paving-L2	Plant-L1	Plant-L2	QC Manager	Rdwy Inspector-VT	Plant Inspector-VT	DM	Other
Operation	Frequency	Spec. Ref.									
Roadway Operations											
Monitor Mix Temperature	1st 5 loads, every 5th	330-2.2,330-6.3	delegate								
Collect Truck Tickets	Each truck	320-2.2	delegate								
Check Prime, Tack, & ARMI Spread	Min twice/day	300-7.8,341-6	delegate								
Check Mix Spread Rate	Min. once/200 tons	330-2.2	delegate								
Check Milling Cross-slope	Once/250 ft	327-3	delegate								
Check Cross-slope	Check/100ft or 250 ft	330-2.2, 12.5	delegate								
Check Thickness	Frequently	330-9.1.6	delegate								
Drill, patch, & deliver cores	Per subplot within 24h	330-2.2,334-5.2	X								
Process informational cores	3/layer/day	330-2.2	X								
Straightedge Transverse Joints	Each	330-12.1	X								
Perform Rolling Straightedge test	Per Lot	330-12.3	X								
Monitor Density with density gauge	Min per 1500 ft	330-2.2	X								
Monitor roadway temp with infrared	As needed	330-2.2	X								
Locate Core location	Post-compaction	334-5.1,5.2					X				
Verify Tack Coat Spread Rate	Once / Day	CPAM 5.10					X				
Verify HMA Spread Rate (Yield)	Once per layer / Day	CPAM 5.10					X				
Verify HMA Temperature	Once / Day	CPAM 5.10					X				
Verify Cross Slope (Milling)	Ten/1st 2 day-twice/day	327-3,CPAM 5.10					X				
Verify Milling Surface Texture	Once / Day	327-4,CPAM 5.10					X				
Verify HMA Cross Slope	Ten/1st 2 day-twice/day	330-12.5,CPAM 5.10					X				
Sawcut and Test Roadway Cores	Per subplot	334-5.1,5.2			X			observe			
Verify Roadway cores	Per Lot	334-5.3						X			
IVT Cores - Locate(All mixes)	5 per 4,000 tons	SCO 24-03							X		
IVT Cores - Sample, patch	Each	334-5.1, 5.4	X								
IVT Cores - Transport, Trim, Test	Each	334-5.4							X		
Complete Daily Reports	Daily	105-5.2		X		X	check	check			
Verification Reports	Per test/lot	SCO 24-03					X	X	X		
Administer implementation of QC Plan	Daily	5.8.5					X				