

CONSTRUCTION MATERIAL SAMPLING AND TESTING MATRIX - 2 OF 2

Construction Operation	Standard Specifications		Standard Details	Applicable Testing	Minimum Frequency of Testing
	Material Specs	Construction Specs			
Surface Course	Testing - Section 3.7				
Hot-Mix Asphaltic Concrete Pavement	Section 3.3, Part 2	Section 3.3, Part 3	ST-3A , ST-3B , ST-3C , ST-3D	Extraction, Gradation, Stability & Flow, Densities, Thickness	1 sample per day of paving operations. Densities - one per 600 LF of paving. Thickness - each street per 1,000 LF in each lane
Portland Cement Concrete Pavement	Section 3.6, Part 2	Section 3.6, Part 3	G-7 , ST-1 , ST-4 , ST-3E , ST-3F , ST-3G , ST-3H , ST-6 , ST-7 , ST-8 , ST-9	Air Content (if specified) , Slump, Compressive Strength	1 set of 4 cylinders per 150 CY but no less than 2 sets per day
Concrete	Testing - Section 5.6				
Curb and Gutter	Section 5.1, Part 2 & 3	Section 5.3, Part 3	G-7 , ST-1 , ST-7 , ST-15 , ST-16 , ST-17 , ST-18 , ST-19 , ST-20A , ST-20B , ST-20C	Slump Compressive Strength	One set of 4 cylinders per placement for the first 5 placements then one set for every other placement thereafter. (max. of 2 sets per day) *Different trucks on the same site at different times of the day constitute different placements.
Drive Approach		Section 5.4, Part 3	G-7 , ST-1 , ST-23A , ST-23B , ST-24A , ST-24B , ST-25A , ST-25B , ST-26		
Valley & Fillet			G-7 ST-1 ST-18 ST-19		
Sidewalk, Curb Ramps, & Retaining Walls		Section 5.4, Part 3	G-7 , SW-1 , SW-2 , SW-3 , SW-4 , SW-5 , SW-6 , SW-7 , SW-8 , SW-9 , SW-10 , SW-11 , SW-12 , SW-13 , SW-14 , SW-15 , SW-16 , SW-17 , SW-18 , SW-19 , SW-21 , SW-22 , SW-23 , ST-1		
Concrete Lined Channel			G-7 SD-1 SD-14 SD-15 SD-16	Air (if specified) , Slump, Compressive Strength	
Cast-In-Place Sanitary Sewer Manholes		Section 4.8, Part 3.A.3	G-7 S-5 Note 15, S-6 S-11 S-12 S-13		
Storm Sewer Manholes			G-7 SD-1 SD-10 SD-11 SD-12 SD-13		
Inlets			G-7 SD-1 SD-2 SD-3 SD-4 SD-5 SD-6 SD-7		
Concrete Medians		Section 5.1, Part 3	ST-1 G-7 ST-5	Slump, Compressive Strength	
Reinforced Concrete Headers			G-7		
Concrete Steps	G-7				
Retaining Walls (Structural)	G-7		Air (if specified) , Slump, Compressive Strength	One set per placement	



ENGINEERING DIVISION

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REVISIONS			
NO.	COMMENTS	BY	DATE
1	UPDATE STANDARD DETAILS LINKS	MZ	04/28/2025
##	DESCRIPTION	FL	MM/DD/YYYY

DATE
01/01/2024

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