

El Paso County Beacon Lite Road Phase II	Minimum Testing Requirements Contractor's Process Control	Sht. 1
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All testing types and frequencies shall be in accordance with CDOT 2024 Field Materials Manual, El Paso County Engineering Criteria Manual (updated January 9, 2025) and/or the Pikes Peak Region Asphalt Paving Specifications (dated March 28, 2022) whichever is more stringent, except as modified herein.

Pay Item	Description	Type of Test	Sampling & Testing Frequency
203-00010	Unclassified Excavation (CIP)		
		Moisture - Density Curve	1 per soil type
		Gradation	1 per soil type
		Atterberg Limits	1 per soil type
		In-Place Density/ % Relative Compaction	1 test every 1000 cubic yards or fraction thereof
304-06007	Aggregate Base Course (Class 6)		
		Gradation	1 test every 1000 cubic yards or fraction thereof
		Atterberg Limits	1 test every 1000 cubic yards or fraction thereof
		Moisture - Density Curve	1 per source
		In-Place Density/ % Relative Compaction	1 test every 300 cubic yards or fraction thereof
403-34751	Hot Mix Asphalt (Grading SX)(75)(PG- 64-28)		
		Asphalt Content	1 test every 1000 tons or fraction thereof
		Gradation	1 test every 1000 tons or fraction thereof
		Theoretical Max. SG (Rice Value)	1 per day
		In-Place Density%	1 test every 250 tons or fraction thereof
		Longitudinal Joint Density	1 test every 1000 linear ft of joint. Minimum 5 tests per project
412-00600	Concrete Pavement (6 Inch)		
		Slump, Air Content, Unit Weight, Temperature	Sample first three batches then one random test per 50 cubic yards. One set of tests per set of Cylinders
		Compressive Strength	One set of 5 cylinders per 50 cu yds or fraction thereof. Break 1 at 7 days, 3 at 28 days, 1 hold.
601-01000	Concrete Class B		
		Slump, Air Content, Unit Weight, Temperature	Sample first three batches then one random test per five batches. One set test per set of Cylinders
		Compressive Strength	One set of 5 cylinders per 50 cu yds or fraction thereof. Break 1 at 7 days, 3 at 28 days, 1 hold.

El Paso County Beacon Lite Road Phase II	Minimum Testing Requirements Contractor's Process Control	Sht. 2
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603-	Reinforced Concrete Pipe (Complete in Place)		
603-01185 18 inch		Gradation	1 per source or soil type
603-01245 24 inch		Atterberg Limits	1 per source or soil type
603-01305 30 inch		Moisture - Density	
603-01365 36 inch		Curve	1 per source or soil type
603-02305 38x24 Elliptical		In-Place Density/ % Relative Compaction	1 test every 2 foot vertical elevation each pipe
604-	Inlet Type C, D, R L5 & Outlet Structure		
604-00305 Inlet Type C (5 foot)		Gradation	1 per source or soil type
604-00310 Inlet Type C (10 foot)		Atterberg Limits	1 per source or soil type
604-00505 Inlet Type D (5 foot)		Moisture - Density	
604-00510 Inlet Type D (10 foot)		Curve	1 per source or soil type
604-19105 Inlet Type R L5 (5 foot)		In-Place Density/ % Relative Compaction	1 test every 2 foot vertical elevation each inlet
604-19110 Inlet Type R L5 (10 foot)			
609-21020	Curb & Gutter Type 2 (Section II-B)		
		Slump, Air Content, Unit Weight, Temperature	Sample first three batches then one random test per 100 cubic yards. One set of tests per set of Cylinders
		Compressive Strength	One set of 5 cylinders per 100 cu yds or fraction thereof. Break 1 at 7 days, 3 at 28 days, 1 hold.