

El Paso County	Minimum Testing Requirements	Sht. 1
Ute Pass Trail Phase 2 Base Bid	Contractor's Quality Control	

All testing types and frequencies shall be in accordance with CDOT 2024 Field Materials Manual and/or the Pikes Peak Region Asphalt Paving Specifications Version 6 (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 Completed in Place		
		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 per 500 cu yds or fraction thereof with one addition per change in material type.
206-00100	Structural Backfill		
For cast in-place concrete retaining walls in-place density testing every 50 LF of wall at every one foot vertical elevation		Gradation	1 per soil type
		Atterberg Limits	1 per soil type
		Moisture - Density Curve	1 per soil type
		In-Place Density/ % Relative Compaction	2 test every structure
304-06007	Aggregate Base Course (Class 6)		
		Gradation	1 per 500 cubic yards or fraction thereof.
		Atterberg Limits	1 per 500 cubic yards or fraction thereof.
		Moisture-Density Curve	1 per 500 cubic yards or fraction thereof.
		In-Place Density/ % Relative Compaction	1 per 500 cubic yards or fraction thereof.
403-00720	Hot Mix Asphalt (Patching)(Asphalt)		
		In-Place Density%	1 test every 100 LF of fraction thereof
504	Precast Modular Block Gravity Retaining Wall		
For cast in-place concrete retaining walls in-place density testing every 50 LF of wall at every one foot vertical elevation		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 50 LF horizontal or fraction thereof at every 1 ft vertical elevation.
601-010000	Concrete Class B		
		Slump, Air Content, Unit Weight, Temperature	The 1st three batches at the beginning of a day's production, plus one additional set of tests per set of cylinders
		Slump	1 per set of cylinders

	Compressive Strength	One set of 5 cylinders per 50 cu yds or fraction thereof for each day's production. Break 1 at 7 days and 3 at 28 days, hold 1 for 56 days.
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El Paso County	Minimum Testing Requirements	Sht. 2
Ute Pass Trail Phase 2 Base Bid	Contractor's Quality Control	

All testing types and frequencies shall be in accordance with CDOT 2024 Field Materials Manual 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
601-03000	Concrete Class D (Wall)		
		Slump, Air Content, Unit Weight, Temperature	The 1st three batches at the beginning of a day's production, plus one additional set of tests per set of cylinders
		Slump	1 per set of cylinders
		Compressive Strength	fraction thereof for each day's production. Break 1 at 7 days and 3 at 28 days, hold 1 for 56 days.
603-	RCP and/or CMP (Complete in Place)		
603-01180 18 inch RCP	603-10240 24 inch CMP 603-15018 18 inch CMP Arch 603-15021 21 inch CMP Arch 603-61240 24 inch Flex Pipe	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 250 LF horizontal or fraction thereof at every 2 ft vertical elevation.
608 and 609	Concrete Sidewalk, Curb Ramp (Special), Concrete Bikeway, Curb Type 2 (Section B), Curb & Gutter Type2 (Section II-B), Curb-Gutter & Sidewalk (Special), Gutter Type 2		
608-00006	608-00012 608-00028 609-20010 609-21020 609-22900 609-24008	Slump, Air Content, Unit Weight, Temperature	The 1st three batches at the beginning of a day's production, plus one additional set of tests per set of cylinders
		Slump	1 per set of cylinders
		Compressive Strength	One set of 5 cylinders per 100 cu yds or fraction thereof for each day's production. Break 1 at 7 days and 3 at 28 days, hold 1 for 56 days.