

MATERIALS DOCUMENTATION RECORD

Estimated Field Requirements for Minimum Materials
 Sampling, Testing, and Inspection and Record of Field
 and Central Laboratory Documentation of Materials.

Project: EcoTrail Recreation
 Location: Minturn
 Region: 3
 Date:
 Page No:
 Contractor:
 Project Code:

PROJECT TO BE TESTED AND DOCUMENTED PER THE 2009 FIELD MATERIALS MANUAL

Forward to the Bridge, Preinspection Unit, the list of materials suppliers and subcontractors upon receipt of the contractor.

UPON COMPLETION OF WORK

The contractor shall submit a certification verifying that all steel permanently incorporated in the project was produced or manufactured in the United States, either with no exception or with minor exception whose project delivered cost did not exceed the allowable amount.

Upon receiving this certification, the Project Engineer will attach original to the completed CDOT Form 250 and submit to appropriate files.

ITEM NUMBER	DESCRIPTION	TYPE OF TESTS	QUANTITY PLAN	TESTS REQUIRED	PROJECT ACCEPTANCE TEST REPORTED	FINAL QUANTITY	LABORATORY CHECK TESTS	# OF CHECK TESTS REQUIRED & SUBMITTED
203	Embankment Material (C.I.P.) Note: Project Acceptance Test: 500 cubic yards or less, visually inspect and document in Project Files.	TESTABLE In-Place Density	cubic yard	required		cubic yard		Preliminary Report #'s Construction Shear Tests
		Moist-Den Curve	1 per soil type	reported		cubic yard		
		Soil Survey (Classification)	CDOT Form 219	Date Submitted: _____				

ITEM NUMBER	DESCRIPTION	TYPE OF TESTS	QUANTITY PLAN	TESTS REQUIRED	PROJECT ACCEPTANCE TEST REPORTED	FINAL QUANTITY	LABORATORY CHECK TESTS	# OF CHECK TESTS REQUIRED & SUBMITTED
206	Import Select Wall Backfill (Class 1 Structural) (Note: required tests is based off of 905 cubic yards from the given 1,649 tons.)	Gradation, Atterberg Limits	ton	required		ton	1/per source/per project required	Preliminary Reports No.'s & Laboratory Check Tests Reports
		In-Place Density (See Schedule)		required				
				reported				
		Moist-Den Curve, If in roadbed - 1 per source		required				
				reported				
					Upon project completion, submit completed CDOT Form 194, to Region. Date submitted _____.			

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ITEM NUMBER	DESCRIPTION	Plan	Final	TESTS REQUIRED
207	Top Soil	_____ cubic yard	_____ cubic yard	Certified Test Result (CTR) Required. CTR and CDOT Form 157 Nos. _____

ITEM NUMBER	DESCRIPTION	PLAN QUANTITY	FINAL QUANTITY	TESTS REQUIRED
208	Erosion Control			Field Inspect.
	Culvert Inlet Protection (Erosion Log):	_____ each	_____ each	CDOT Form 157 Nos. _____
	Siltfence:	_____ lin ft.	_____ lin ft.	CDOT Form 157 Nos. _____
	Stabilized Construction Entrance:	_____ each	_____ each	CDOT Form 157 Nos. _____

ITEM NUMBER	DESCRIPTION	TESTS REQUIRED
212	Seeding & Sodding	Seed: COC and CDOT Form 157 Nos. _____ Sod: Contractor shall submit to the Project Engineer a sample of sod 6 1/2 ft x 2 ft for comparison standard. Document on CDOT Form No. 157: CDOT Form 157 Nos. _____ Fertilizer: Field inspect. Document on project records. COC and CDOT Form 157 Nos. _____

ITEM NUMBER	DESCRIPTION	TYPE OF TESTS	PLAN QUANTITY	TESTS REQUIRED	PROJECT ACCEPTANCE TEST REPORTED	FINAL QUANTITY	LABORATORY CHECK TESTS	# OF CHECK TESTS SUBMITTED
304	Aggregate Base Course Class 6	Gradation and Atterberg Limits	617 ton	required	_____	ton	1 per source per project	Preliminary Reports No.'s & Laboratory Check Tests Reports
				reported	_____		required	_____
		In-Place Density		required	_____			_____
				reported	_____			_____
		Moist-Den Curve		1 per source	_____			_____

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R-Value: Min. _____ Tested _____

Designated Source? (Y/N) _____

ITEM NUMBER	DESCRIPTION	TYPE OF TESTS	PLAN QUANTITY	TESTS REQUIRED	PROJECT ACCEPTANCE TEST REPORTED	FINAL QUANTITY	LABORATORY CHECK TESTS	# OF CHECK TESTS SUBMITTED
403	Hot Mix Asphalt Grading	Asphalt Content	_____ ton	required	_____	_____ ton	_____	_____
	Note: All tests, 500 tons or less, visually inspect and document in Project Files.			reported	_____			_____
		In-Place Density		required	_____		Bituminous Tolerance _____	_____
				reported	_____		RAP % _____	_____
		Gradation		required	_____		T.S.R. = _____	_____
				reported	_____			_____
		Fractured Faces		required	_____			_____
				reported	_____			_____
	_____ 1% _____	Hydrated Lime Gradation	_____ ton	required **	_____			_____
				Submitted **	_____			_____

(Add 1 to this number if applicable)

* Minimum of 1st rep and each 10k or fraction thereof. 1st rep required even if commercial source.

** HYDRATED LIME, Acceptance Samples, submitted to Central Laboratory for gradation testing. See Item 307 of Schedule. Chemical: CDOT Form 157 Nos. _____.

25 LB Aggregate Belt Cut Sample in accordance with CP30 is Required to be submitted with 1st Rep Sample

ITEM NUMBER	DESCRIPTION	Plan Quantity	Final Quantity	Field Inspect.
504	MSE Path Retaining Wall w/ Geogrid	_____ Sq. Ft.	_____ Sq. Ft.	CDOT Form 157 Nos. _____

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514	Pedestrian Path Rail	Plan Quantity	Final Quantity		
		_____	_____	CDOT Form 157 Nos. _____	CTR is required.
		lin ft.	lin ft.		

603	Culverts	Type	Size	Plan (Lin Ft or each)	Approved Quantities As Reported	Final Quantity	CDOT Form 157 Numbers.
		_____	_____	_____	_____	_____	_____
		_____	_____	_____	_____	_____	_____
		_____	_____	_____	_____	_____	_____
		_____	_____	_____	_____	_____	_____

See Item 604 in Schedule for Certification procedure for each type.
 Document that material is on the Preapproved list and tabulate final quantities on CDOT Form 157.
 Total reported quantity must meet or exceed final project quantities.
 RUBBER GASKETS AND JOINT FILLERS: See Schedule for requirements.

606	Guard Rail	Type	Plan Quantities	Final Quantities	Materials Represented & CDOT Form 157 Nos.
		_____	_____	_____	POSTS, BLOCKS and RAIL: See Item 606 in Schedule for Certification procedures.
		_____	_____	_____	
		_____	_____	_____	
		_____	_____	_____	

See Item 604 in Schedule for Certification procedure.

607	Fence	Pay Item	Plan Quantities (Lin Ft or Each)	Final Quantities (Lin Ft or Each)	Materials Represented CDOT Form 157 Nos.
		_____	_____	_____	See Schedule for Certification procedure for each type.
		_____	_____	_____	
		_____	_____	_____	
		_____	_____	_____	
					Other Form Nos/Dates: _____

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PROJECT PRICE REDUCTION DOCUMENTATION

ITEM NUMBER	DESCRIPTION	PRICE REDUCTION AMOUNT	CALCULATIONS 266/105 DATES	CMO/MCR NUMBERS	LINE ITEM NO. ON FINAL ESTIMATE
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

LABORATORY CHECK TEST DEVIATIONS

ITEM NUMBER	DESCRIPTION	MEMO DATE	157 NOS.
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Document Major and Significant Independent Assurance deviations as per 10.4 of the Program in the Field Materials Manual.

Attach additional sheets to this form if more space is needed for documentation.
 Isolated relatively small quantities of concrete, reinforcing steel, wire mesh, bolts etc. which are paid for incidentally shall be field inspected to determine conformance with specifications.
 Document in Project Records. If any questions arise concerning the proper documentation of materials during construction, contact the Documentation Unit of the Central Laboratory
 In Denver @ 303-398-6563.

FIELD DOCUMENTATION ENTERED BY: _____ DATE: _____ PROJECT ENGINEER: _____ DATE: _____

The entire / Completed Form #250
 Distribution: Resident Engineer
 Region Materials Engineer
 FHWA (Oversight Projects only)

Documentation Unit (Materials and Geotechnical Branch)
 Central Files