COLORADO DEPARTMENT OF TRANSPORTATION CP 16, PRETESTING MEETING AGENDA

The purpose of this meeting is to clarify the expectations of CDOT for the consultant materials tester and to review some of the common issues that arise during typical projects. This form shall be used for consultants and may be used when CDOT is performing the testing.

Region:	Residency:	
Contract ID:		Date
Project No.:		
Proj. location:		

Attendance: It is recommended that the following people be	in attendance:				
CDOT Project Engineer:	Consultant materials tester's super	visor:			
CDOT head tester:	Contractor quality control tester:				
Region Laboratory representative (if available):	Contractor representative(s):				
Consultant materials tester:	Supplier representative(s):				
It is recommended this meeting occur one week prior to the need for test resolved, then there will be time to address them.	I ing. If some of the issues brought up	at the me	eeting are	not initiall	у
1) Test result distribution:					
Payment to the contractor is dependent on test results of materials. There production. Computer printout of the Moving Quality Level (MQLs) needs		distribute	d before ti	ne next d	ay of
Have all forms for reporting test results been provided to the consultant materials tester and contractor?	Test results will be distributed by:				
Test results will be distributed to:	FAX:	CDOT Fo	orm #626* no	QI yes	Ls** no
1)					
2)					
3)					
4)					
5)					
*When test results fail, a CDOT Form #626 (Field Laboratory Test Results **When QLs (Quality Levels) and pay factors are calculated, they shall be			est it.		
What mix designs have been submitted and approved?					
Who is authorized to sign the Form #626?	Who will calculate the QLs and pay factors?				
Who will distribute the QLs and pay factors?	How often will the QLs and pay factors be distributed?				
Which versions of software will be used to calculate pay factors?	<u> </u>				
Does the consultant have this software installed?	Does the contractor have copies o	f this softw	vare?	⊒ yes	□no
Who from the contractor will be responsible for maintaining the MQLs?	,				

Previous editions are obsolete and may not be used.

2) Special reports In some instances that involve a long testing procedure (volumetrics, cylinders, etc.), the results need to be distributed no later than the day after the test is completed. The following protocol should be used for the distribution of these tests. Distributed by Distributed when Concrete cylinder breaks: Asphalt volumetrics: Rice: 3) Procedural review These are common areas of concern for testing materials on CDOT projects. It is recommended to review these during this meeting. Does the consultant materials tester have the Does the consultant materials tester have Does the consultant materials tester have Forms: Confidential Random Sampling Schedule? the Form #250? the Form #379? Concrete: Time constraints and procedures for making cylinders and beams (AASHTO T 141, 23, and 97) Field cured cylinders: Acceptance cylinders and/or beams: Sampling location within load: Special requirements: Sampling method (divert entire stream): (i.e. wheelbarrow preferred) Location of water tank for initial cure (first 24 hours): Bridge Deck Curing Measures (thermocouples etc.): Maturity meter calibrations for fast track paving, completed by? Weekend pours (sampling and handling after 24 hours): Location of cure (after 24 hours): Transportation (how and when): Gradation AC/Rice Asphalt: Binder Density Sample location: Sample taken by: Sample witnessed by: Sample method: Sample split by: Sample delivered by: Test location: Tested by: HBP: Aggregate: Binder: Review sample size: Special sampling requirements:

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4) Protocol for failing tests During production of materials, it is possible that test results of materials could fail. It is desirable to understand the protocol that will be followed when this happens. Typical actions could include: meeting, coring, retest, third party testing, check testing program, price reduction, test saved splits, etc. Concrete: Slump: Air. Compressive Strength (CP 65): Yield: How will the QLs and pay factor be handled? Flexural Strength: Asphalt: Density: Gradation: Asphalt Content: Stability: Binder: Volumetrics: How will the QLs and pay factor be handled? Soils: Density: Moisture: Soil Bearing Value: Soil type: Soil Profile: 5) Head tester commitments The CDOT head tester will assist the consultant materials tester with a limited amount of help. This assistance will be scheduled between the two testers. This will include: review of the Field Materials Manual, setting up the book for project documentation, reviewing the book throughout the project, new CDOT tests and protocols, and one copy of the project plans and specifications. The CDOT head tester will not assist in training the consultant materials tester in test procedures or protocol. Consultants will provide cylinder molds (Jatco), asphalt binder cans, and 3 ring binders (all shall be new). Current copies of the specification book, Field Materials Manual, and other publications/materials needed for the project will also be provided by the consultant. Cell: FAX: Head tester: 6) Protocol for switching consultant materials testers It is desirable for the consultant materials tester to be the same throughout the entire project. However, it is understood that situations arise that create the need for the consultant to switch the tester. This should be minimized. When a switch does occur, the following protocol is required for If known in advance - A reduced check testing program (at least 3 samples) needs to be performed. The replacement tester needs to spend at least one day on the project with the original tester. If not known in advance - A reduced check testing program (at least 3 samples) needs to be performed within one week. Additionally, the replacement tester's supervisor needs to be present for at least one full day or night of testing with the replacement tester and until the replacement tester is familiar with the project. Short term (only 1 or 2 days) - The replacement tester's supervisor needs to be present for the days or nights of testing with the replacement tester until the original tester returns. Any additional supervision costs incurred as a result of switching consultant materials testers will not be charged to the project. Supervisor's phone number: | Cell: Materials consultant tester's immediate supervisor is:

7) Equipment changes

The same equipment (nuclear moisture/density gauge, air meter, etc.) needs to be used throughout the project. When a tester is switched, the new tester needs to use equipment that was used previously on the project. If the equipment breaks down or is replaced, it has to be calibrated or correlated appropriately before use.

8) Check testing program					
The check testing program needs to be complete	ed before production begin	ns.			
Check testing started on:		Check testing completed on:			
What was the average of the differences in each	of the tests?				
Gradation:		Rice:			
Asphalt content:		Density:			
Did it correlate?	correlate? If not, then what is the next step?				
9) Independent Assurance Tests					
The Form #379 indicates the number of Indepensive schedule these tests. It is necessary to schedule					
Contact:	The toole a minimum of 2	Phone:	Cell:		
Additionally, the tests should be scheduled (when there are problems with the test results, it is better			he end of a job or small quantity. If		
10) Qualified laboratory					
The consultant laboratory needs to be qualified in also be documented and given to the head tester					
Contact:	4. III ordor to got and labor	Phone:	Cell:		
Date laboratory was qualified:		Ву:	I.		
AASHTO accredited laboratories will be consider	ed qualified.				
11) Certified personnel					
Do the testers have the appropriate certifications Level B or Level C), and soils (WAQTC, Embank		Lab Tech I, Lab Tech II or Field Tech	n I), asphalt testing (LabCAT Level A,		
Tester:		Certifications:			
Tester:		Certifications:			
12) Resolution of testing issues					
Issues may develop on the project between the that the issues be dealt with appropriately. The consultant tester should not try to resolve issues effort should be made to resolve the issue at the	CDOT Head Tester or Prosition with the contractor. If the	ject Engineer should deal with all issu	ues that arise from the testers. The		
13) Materials consultant supervisor					
The materials consultant tester project supervisor	· is:	Supervisor's phone number:	Cell or Mobile:		
14) Weekly meetings		1			
The purpose of weekly meetings is to ensure that meeting can be a regularly scheduled meeting o					
Attendance: CDOT representative, consultant tester, and contractor representative.		Where:			
Day:		Time:			
Who will attend? Name	Company		Phone		
1)					
2)					
3)					
4)					