



Field Lab & Personnel Qualification Checklist – 2023

Project No: _____ Contract ID _____

Project Location: _____

Consultant / Field Tester _____ Project Engineer _____

Qualified Laboratory? Yes No General Impression:

Current LIMS Access? Yes No

Region Inspection of Project Field Lab

Region Inspection of Contractor Lab

Region Inspection of Consultant Lab

GENERAL

- 6.1 Lab Cleanliness & Housekeeping.....
- 6.2 Equipment Cleanliness & Functionality.....
- 6.3 Calibration Checks & Personnel Qualification, Documents present & complete.....
- 6.4 Scales - Accurate & Level.....
- 6.5 Ovens-Verified as Accurate, Temperatures (140°, 230°, 275°, 300°F).....
- 6.6 Thermometer(s)-Accurate.....
- 6.7 Sieves - Good repair, and checked w/ comparator.....
- 6.8 Current CDOT Materials Forms.....
- 6.8 Forms up-to-date (# 250 & # 379, and all others).....
- 6.9 Equipment & Lab facility supplied by Contractor meet Specifications.....
- 6.10 Aggregate Splitter - Correct # of openings.....
- 6.10 Correct size openings.....
- 6.11 Shaker-sieving adequacy performed.....
- 6.11 Holds full set of sieves (10 + catch pan).....

Comments:

- CONCRETE** Applicable.....
- 6.12 Concrete curing water at correct temperature.....
 - Recording thermometer present and operating.....
- 6.13 Concrete Testing Equipment.....
 - Air Meter Calibrated.....
 - Slump Cone Dimensions are accurate.....
 - Strike off plate for Unit Wts is accurate.....
 - Approved Cylinder/Beam Molds.....
- 6.14 Concrete Compression Machine.....
 - Calibrated for Cylinders/Beams.....
 - Neoprene Pads checked/logged.....
 - Correct Loading Rate.....
 - Calibration records present.....

Comments:

- ASPHALT** Applicable.....
- 6.15 Square Splitting Pan for Asphalt.....
 - Square Sided Scoop for Asphalt.....
- 6.16 Maximum Specific Gravity (RICE) set up.....
 - Manometer free of air.....
 - Pump oil free of water.....
 - Desiccating crystals free of water.....
 - Flasks calibrated and logged.....
 - Vacuum Pump Pressure at 28 ± 2 mm Hg.....
- 6.17 Bulk Specific Gravity Equipment.....
 - Tank at Correct Temperature.....
 - Suspension line of smallest diameter.....

Comments:

- NUCLEAR** Applicable.....
- 6.18 Nuclear Gauge Stored Properly & Secured.....
- Caution Radioactive Materials placard posted correctly.....
- Nuclear Incident Procedures filled out.....
- Daily Gauge Logs filled out.....
- M/D Gauge Certified.....
- Stat & Drift Test performed.....

Comments:

- SOILS** Applicable.....
- 6.19 Soils & Base Equipment.....
- Hammers & Molds within specification.....
- Atterberg equipment within specification.....
- #4 Riddle within specification.....
- Compaction base of sufficient mass (>90 Kg).....

Comments:

Additional Comments:

PERSONNEL

Tester 1 (Name / Title)	Required (Y or N)	Certification	Expiration MM-DD-YY
		CDOT Materials Technician Certification TETP	*No Expiration Date
		ACI Concrete Field Testing Technician Grade I	
		ACI Aggregate Testing Technician – Level 1	
Comments:		ACI Aggregate Testing Technician – Level 2	
		ACI Concrete Laboratory Testing Technician Grade I or ACI Concrete Lab. Testing Tech. Level 1	
		ACI Concrete Laboratory Testing Technician Grade II or ACI Concrete Lab. Testing Tech. Level 2	
		ACI Concrete Strength Testing Technician	
		ACI Aggregate Base Testing Technician	
		WAQTC Embankment & Base Excavation & Embankment – Soils Inspector	
		LabCAT A	
		LabCAT B	
		LabCAT C	
		LabCAT E	

Tester 2 (Name / Title)	Required (Y or N)	Certification	Expiration MM-DD-YY
		CDOT Materials Technician Certification TETP	*No Expiration Date
		ACI Concrete Field Testing Technician Grade I	
		ACI Aggregate Testing Technician – Level 1	
Comment:		ACI Aggregate Testing Technician – Level 2	
		ACI Concrete Laboratory Testing Technician Grade I or ACI Concrete Lab. Testing Tech. Level 1	
		ACI Concrete Laboratory Testing Technician Grade II or ACI Concrete Lab. Testing Tech. Level 2	
		ACI Concrete Strength Testing Technician	
		ACI Aggregate Base Testing Technician	
		WAQTC Embankment & Base Excavation & Embankment – Soils Inspector	
		LabCAT A	
		LabCAT B	
		LabCAT C	
		LabCAT E	

PERSONNEL

Tester 3 (Name / Title)	Required (Y or N)	Certification	Expiration MM-DD-YY
		CDOT Materials Technician Certification TETP	*No Expiration Date
		ACI Concrete Field Testing Technician Grade I	
		ACI Aggregate Testing Technician – Level 1	
Comments:		ACI Aggregate Testing Technician – Level 2	
		ACI Concrete Laboratory Testing Technician Grade I or ACI Concrete Lab. Testing Tech. Level 1	
		ACI Concrete Laboratory Testing Technician Grade II or ACI Concrete Lab. Testing Tech. Level 2	
		ACI Concrete Strength Testing Technician	
		ACI Aggregate Base Testing Technician	
		WAQTC Embankment & Base Excavation & Embankment – Soils Inspector	
		LabCAT A	
		LabCAT B	
		LabCAT C	
		LabCAT E	

Tester 4 (Name / Title)	Required (Y or N)	Certification	Expiration MM-DD-YY
		CDOT Materials Technician Certification TETP	*No Expiration Date
		ACI Concrete Field Testing Technician Grade I	
		ACI Aggregate Testing Technician – Level 1	
Comment:		ACI Aggregate Testing Technician – Level 2	
		ACI Concrete Laboratory Testing Technician Grade I or ACI Concrete Lab. Testing Tech. Level 1	
		ACI Concrete Laboratory Testing Technician Grade II or ACI Concrete Lab. Testing Tech. Level 2	
		ACI Concrete Strength Testing Technician	
		ACI Aggregate Base Testing Technician	
		WAQTC Embankment & Base Excavation & Embankment – Soils Inspector	
		LabCAT A	
		LabCAT B	
		LabCAT C	
		LabCAT E	

PERSONNEL

Tester 5 (Name / Title)	Required (Y or N)	Certification	Expiration MM-DD-YY
		CDOT Materials Technician Certification TETP	*No Expiration Date
		ACI Concrete Field Testing Technician Grade I	
		ACI Aggregate Testing Technician – Level 1	
Comments:		ACI Aggregate Testing Technician – Level 2	
		ACI Concrete Laboratory Testing Technician Grade I or ACI Concrete Lab. Testing Tech. Level 1	
		ACI Concrete Laboratory Testing Technician Grade II or ACI Concrete Lab. Testing Tech. Level 2	
		ACI Concrete Strength Testing Technician	
		ACI Aggregate Base Testing Technician	
		WAQTC Embankment & Base Excavation & Embankment – Soils Inspector	
		LabCAT A	
		LabCAT B	
		LabCAT C	
		LabCAT E	

Tester 6 (Name / Title)	Required (Y or N)	Certification	Expiration MM-DD-YY
		CDOT Materials Technician Certification TETP	*No Expiration Date
		ACI Concrete Field Testing Technician Grade I	
		ACI Aggregate Testing Technician – Level 1	
Comment:		ACI Aggregate Testing Technician – Level 2	
		ACI Concrete Laboratory Testing Technician Grade I or ACI Concrete Lab. Testing Tech. Level 1	
		ACI Concrete Laboratory Testing Technician Grade II or ACI Concrete Lab. Testing Tech. Level 2	
		ACI Concrete Strength Testing Technician	
		ACI Aggregate Base Testing Technician	
		WAQTC Embankment & Base Excavation & Embankment – Soils Inspector	
		LabCAT A	
		LabCAT B	
		LabCAT C	
		LabCAT E	

Inspected by: _____ Date: _____ Region Materials Lab: _____
(print name)

Inspected by _____
(Signature)

Approved by: _____ Date: _____
Project Engineer (print name)

Distribution:

- Region Materials Engineer- Original**
- Resident Engineer**
- Project Engineer**
- Field Lab Tester**