

## Construction Lab Technician Certifications Matrix Showing Certifications Required to Receive Permanent Status to the Following Grades

Laboratory Technician Name: \_\_\_\_\_ Current Grade: \_\_\_\_\_

Tr. Engineer Worker (S1)			Tr. Construction Tech. I (S4)			Tr. Construction Tech. II (S5)			Tr. Construction Tech. III (S6)			Tr. Construction Tech. IV (S7)			Tr. Engineer Specialist (S9)		
Proficiency in 50% of the tests Required for ATI Soils/Agg certification (All Labs) *	R		ATTI Soils/Agg certification (All Labs) <b>CRT3401</b>		ATTI Soils/Agg certification (All Labs) <b>CRT3401</b>		ATTI Soils/Agg certification (1,2,3,4,6,7) <b>CRT3401</b>		ATTI Soils/Agg certification (1,2,3,4,6,7) <b>CRT3401</b>		ATTI Soils/Agg certification (3,6) <b>CRT3401</b>						
	T																
	C																
Daily Diary Documentation (1) <b>TCH3058</b>	R				ATI Asphalt Certification (1) <b>CRT3402</b>		ATI Asphalt Certification (1,2,3,5,6) <b>CRT3402</b>		ATI Asphalt Certification (1,2,3,5,6) <b>CRT3402</b>		ATI Asphalt Certification (3,6) <b>CRT3402</b>						
	T																
	C																
	R				ACI Concrete Strength Testing Certification (1) <b>CRT3412</b>		ACI Concrete Strength Testing Certification (1,2,6,7) <b>CRT3412</b>		ACI Concrete Strength Testing Certification (1,2,6,7) <b>CRT3412</b>		ACI Concrete Strength Testing Certification (6) <b>CRT3412</b>						
	T																
	C																
	R				ACI Field Technician Grade 1 Certification (1) <b>CRT3410</b>		ACI Field Technician Grade 1 Certification (1,6,7) <b>CRT3410</b>		ACI Field Technician Grade 1 Certification (1,2,6,7) <b>CRT3410</b>		ACI Field Technician Grade 1 Certification (6) <b>CRT3410</b>						
	T																
	C																
Introductory Applied Math (All Labs) <b>TCH3015</b>	R		Intermediate Applied Math (All Labs) <b>TCH3016</b>		Advanced Applied Math (All Labs) <b>TCH3017</b>		Demonstrate Proficiency in PG Binder Testing (5)		ATI Field Technician Certification (2,6) <b>CRT3400</b>		ATI Field Technician Certification (6) <b>CRT3400</b>						
	T																
	C																
Basic Work Zone Safety (All Labs) <b>TCH3004</b>	R		Introduction to Partnering (All Labs) <b>GEN5179</b>		Advanced Work Zone Safety (All Labs) <b>TCH3005</b>		Demonstrate Proficiency in Asphalt Rubber Testing (5)										
	T																
	C																
	R						Demonstrate Proficiency in Asphalt Emulsion Testing (5)		Applied Construction Statistics (All Labs) <b>TCH3010</b>								
	T																
	C																
	R						Coaching Techniques (All Labs) <b>TCH3316</b>		Coach for 2 Certifications (All Labs)		Coach All Applicable Certifications (All Labs)						
	T																
	C																

**Note:** All elements in prior grades required to receive permanent status. (if applicable).

Qualification to coach requires certification in corresponding module.

\* Proficiency required in the following test procedures

R = Registered T = Training Completed C = Passed Certification for the S1 classification:

1. Project and Area Labs

5. Central Lab (Liquid Asphalt)

ARIZ 201

ARIZ 245

2. Regional Labs

6. Central Lab (Quality Assurance)

ARIZ 210

AASHTO T89

3. Central Lab (Mix Design)

7. Central Lab (Structural Materials)

ARIZ 211

AASHTO T90

4. Central Lab (Soils & Agg)

ARIZ 225

AASHTO T 176

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