

## Certificates for Randy Cortez

### Basic Information

|                   |        |
|-------------------|--------|
| <b>First Name</b> | Randy  |
| <b>Last Name</b>  | Cortez |
| <b>Status</b>     | Active |

### Associated Labs

Total 4 items.

| Lab Name                        | Manager Name  | Full Address                                          | District | Page Alias |
|---------------------------------|---------------|-------------------------------------------------------|----------|------------|
| BSK Associates                  | Adam Terronez | 700 22nd Street, Bakersfield, CA 93301                | 6        | Lab 1      |
| BSK Associates                  | Randy Cortez  | 691 North Laverne Avenue, Suite 101, Fresno, CA 93727 | 6        | Lab 2      |
| BSK Associates                  | Randy Cortez  | 399 Lindbergh Avenue, Livermore, CA 94551             | 4        | Lab 3      |
| BSK Associates - Rancho Cordova | Randy Cortez  | 9332 Tech Center Drive#100, Sacramento, CA 95826      | 3        | Lab 4      |

### Test Methods

## California Test (CT) Certifications

Total 50 items.

| Test Method                                           | Expiration Date | Status  | IA Responsible | Within Lab(s) Scope        | Comments      |
|-------------------------------------------------------|-----------------|---------|----------------|----------------------------|---------------|
| CT 105 Calculations - Gradings (JTCP - HMA I / S&A)   | 2025-03-11      | Active  | Avinash Ralla  | Lab 1, Lab 2, Lab 3, Lab 4 | (No comments) |
| CT 106 Definitions - Specific Gravity (SpG)           | 2023-06-30      | Expired | Matthew Chew   | Lab 1, Lab 2, Lab 3, Lab 4 | (No comments) |
| CT 125 ADMIX Sampling - ADMIXTURE                     | 2021-04-19      | Expired | Matthew Chew   | Lab 1, Lab 2               | (No comments) |
| CT 125 AGG Sampling - AGGREGATES (JTCP - HMA I / S&A) | 2025-03-11      | Active  | Avinash Ralla  | Lab 1, Lab 2, Lab 3, Lab 4 | (No comments) |
| CT 125 BIT Sampling - BITUMINOUS                      | 2021-04-19      | Expired | Matthew Chew   | Lab 1, Lab 2, Lab 3        | (No comments) |
| CT 125 CEM Sampling - CEM                             | 2021-04-19      | Expired | Matthew Chew   | Lab 1, Lab 2               | (No comments) |
| CT 125 GEN Sampling - GENERAL                         | 2021-04-19      | Expired | Matthew Chew   | Lab 1, Lab 2, Lab 3, Lab 4 | (No comments) |
| CT 125 HMA Sampling - HMA (JTCP - HMA I)              | 2025-05-13      | Active  | Avinash Ralla  | Lab 1, Lab 2, Lab 3, Lab 4 | (No comments) |

| Test Method                                                     | Expiration Date | Status | IA Responsible | Within Lab(s) Scope        | Comments      |
|-----------------------------------------------------------------|-----------------|--------|----------------|----------------------------|---------------|
| CT 201 Sample Preparation - Soil and Aggregates (JTCP - S&A)    | 2025-03-11      | Active | Avinash Ralla  | Lab 1, Lab 2, Lab 3, Lab 4 | (No comments) |
| CT 202 Sieve analysis - Fine and Coarse Aggregates (JTCP - S&A) | 2025-03-11      | Active | Avinash Ralla  | Lab 1, Lab 2, Lab 3, Lab 4 | (No comments) |
| CT 204 LL, PL, PI                                               | 2025-03-23      | Active | Ed Gamboa      | Lab 1, Lab 2, Lab 3, Lab 4 | (No comments) |
| CT 205 Percent Crushed Particles (JTCP - S&A)                   | 2025-03-11      | Active | Avinash Ralla  | Lab 1, Lab 2, Lab 3        | (No comments) |
| CT 206 SpG & Absorption - Coarse Aggregates                     | 2025-03-23      | Active | Ed Gamboa      | Lab 1, Lab 2, Lab 3, Lab 4 | (No comments) |
| CT 207 SpG & Absorption - Fine Aggregates                       | 2025-03-23      | Active | Ed Gamboa      | Lab 1, Lab 2, Lab 3, Lab 4 | (No comments) |
| CT 211 LA Rattler                                               | 2025-03-23      | Active | Ed Gamboa      | Lab 2, Lab 3               | (No comments) |
| CT 214 Sodium Sulfate Soundness                                 | 2025-03-23      | Active | Ed Gamboa      | Lab 3                      | (No comments) |

| Test Method                                                    | Expiration Date | Status  | IA Responsible | Within Lab(s) Scope        | Comments      |
|----------------------------------------------------------------|-----------------|---------|----------------|----------------------------|---------------|
| CT 216 Relative Compaction - Soils and Aggregates (JTCP - S&A) | 2025-03-11      | Active  | Avinash Ralla  | Lab 1, Lab 2, Lab 3, Lab 4 | (No comments) |
| CT 217 Sand Equivalent (JTCP - S&A)                            | 2025-03-11      | Active  | Avinash Ralla  | Lab 1, Lab 2, Lab 3, Lab 4 | (No comments) |
| CT 226 Moisture Content - Soils and Aggregates (JTCP - S&A)    | 2025-03-11      | Active  | Avinash Ralla  | Lab 1, Lab 2, Lab 3, Lab 4 | (No comments) |
| CT 227 Cleanness Value (JTCP - S&A)                            | 2025-03-11      | Active  | Avinash Ralla  | Lab 1, Lab 2, Lab 3, Lab 4 | (No comments) |
| CT 229 Durability (JTCP - S&A)                                 | 2025-03-11      | Active  | Avinash Ralla  | Lab 1, Lab 2, Lab 3, Lab 4 | (No comments) |
| CT 231 Relative Compaction - Nuclear Gage                      | 2020-03-02      | Expired | Matthew Chew   | Lab 1, Lab 2, Lab 3, Lab 4 | (No comments) |
| CT 234 Uncompacted void - Fine Aggregates                      | 2025-03-23      | Active  | Ed Gamboa      | Lab 1, Lab 2, Lab 3        | (No comments) |
| CT 235 Flat and Elongated Particles                            | 2025-03-23      | Active  | Ed Gamboa      | Lab 1, Lab 2, Lab 3        | (No comments) |
| CT 301 "R" Value                                               | 2025-03-23      | Active  | Ed Gamboa      | Lab 1, Lab 3               | (No comments) |

| Test Method                                                | Expiration Date | Status  | IA Responsible | Within Lab(s) Scope        | Comments      |
|------------------------------------------------------------|-----------------|---------|----------------|----------------------------|---------------|
| CT 304 Sample Preparation - HMA                            | 2025-03-23      | Active  | Ed Gamboa      | Lab 2, Lab 3               | (No comments) |
| CT 306 Reducing Samples of Asphalt Mixtures (JTCP - HMA I) | 2025-05-13      | Active  | Avinash Ralla  | (No lab)                   | (No comments) |
| CT 308 Bulk SpG and Density - HMA                          | 2025-03-23      | Active  | Ed Gamboa      | Lab 1, Lab 2, Lab 3, Lab 4 | (No comments) |
| CT 309 Max SpG and Density - HMA                           | 2025-03-23      | Active  | Ed Gamboa      | Lab 1, Lab 2, Lab 3        | (No comments) |
| CT 366 Stabilometer                                        | 2025-03-23      | Active  | Ed Gamboa      | Lab 1, Lab 3               | (No comments) |
| CT 367 OBC                                                 | 2025-03-23      | Active  | Ed Gamboa      | Lab 3                      | (No comments) |
| CT 368 OBC of OGAC                                         | 2025-03-23      | Active  | Ed Gamboa      | Lab 3                      | (No comments) |
| CT 370 Moisture Content by Microwave                       | 2025-03-23      | Active  | Ed Gamboa      | Lab 1, Lab 2, Lab 3        | (No comments) |
| CT 371 Moisture Induced Damage (TSR)                       | 2025-03-23      | Active  | Ed Gamboa      | Lab 3                      | (No comments) |
| CT 375 AC Density by Nuclear Gage                          | 2020-03-02      | Expired | Matthew Chew   | Lab 1, Lab 2, Lab 3, Lab 4 | (No comments) |

| Test Method                                                                   | Expiration Date | Status  | IA Responsible      | Within Lab(s) Scope        | Comments                                   |
|-------------------------------------------------------------------------------|-----------------|---------|---------------------|----------------------------|--------------------------------------------|
| CT 382 AC Content by Ignition Oven                                            | 2025-03-23      | Active  | Ed Gamboa           | Lab 1, Lab 2, Lab 3        | (No comments)                              |
| CT 384 Combined Grade for HMA using up to 25% RAP                             | 2021-04-19      | Expired | Matthew Chew        | Lab 3                      | (No comments)                              |
| CT 389 Hamburg Wheel-Track                                                    | 2026-03-13      | Active  | Ed Gamboa           | Lab 3                      | (No comments)                              |
| CT 504 Air Content of PCC - Pressure Method (JTCP - PCC)                      | 2023-01-20      | Expired | Biplab Bhattacharya | Lab 1, Lab 2, Lab 3, Lab 4 | (No comments)                              |
| CT 518 Unit Weight - PCC (JTCP - PCC)                                         | 2023-01-20      | Expired | Biplab Bhattacharya | Lab 1, Lab 2, Lab 3, Lab 4 | (No comments)                              |
| CT 521.2 Compressive Strength - PCC (ASTM C39 / C1231)                        | 2025-03-23      | Active  | Matthew Chew        | Lab 1, Lab 3, Lab 4        | Created based on CT521 certificate ID39398 |
| CT 521.1 Compressive Strength - PCC (ASTM C39 / C617)                         | 2025-03-23      | Active  | Matthew Chew        | Lab 1, Lab 3, Lab 4        | Created based on CT521 certificate ID39398 |
| CT 523.1 Section B.1 & B.2 Flexural Strength (Field Fabrication) (JTCP - PCC) | 2021-04-19      | Expired | Matthew Chew        | Lab 1, Lab 3, Lab 4        | (No comments)                              |

| Test Method                                                | Expiration Date | Status  | IA Responsible      | Within Lab(s) Scope        | Comments      |
|------------------------------------------------------------|-----------------|---------|---------------------|----------------------------|---------------|
| CT 523.2 Section B.3 Flexural Strength (Lab Test)          | 2025-03-23      | Active  | Ed Gamboa           | Lab 1, Lab 4               | (No comments) |
| CT 533 Ball Penetration - PCC                              | 2021-04-19      | Expired | Matthew Chew        | Lab 1, Lab 2, Lab 3, Lab 4 | (No comments) |
| CT 539 Sampling Fresh Concrete (JTCP - PCC)                | 2023-01-20      | Expired | Biplab Bhattacharya | Lab 1, Lab 2, Lab 3, Lab 4 | (No comments) |
| CT 540 Making Cylinders - PCC (JTCP - PCC)                 | 2023-01-20      | Expired | Biplab Bhattacharya | Lab 1, Lab 2, Lab 3, Lab 4 | (No comments) |
| CT 543 Air Content of PCC - Volumetric Method (JTCP - PCC) | 2023-01-20      | Expired | Biplab Bhattacharya | Lab 1, Lab 2, Lab 3, Lab 4 | (No comments) |
| CT 556 Slump - PCC (JTCP - PCC)                            | 2023-01-20      | Expired | Biplab Bhattacharya | Lab 1, Lab 2, Lab 3, Lab 4 | (No comments) |
| CT 557 Temperature - PCC (JTCP - PCC)                      | 2023-01-20      | Expired | Biplab Bhattacharya | Lab 1, Lab 2, Lab 3, Lab 4 | (No comments) |

## AASHTO/ASTM Proficiencies

Total **22** items.

| Test Method                                                           | Expiration Date | Status | IA Responsible | Within Lab(s) Scope        | Comments      |
|-----------------------------------------------------------------------|-----------------|--------|----------------|----------------------------|---------------|
| AASHTO T11 Sieve Analysis (Washing) - Fine Aggregates (JTCP - HMA I)  | 2025-05-13      | Active | Avinash Ralla  | Lab 1, Lab 2, Lab 3, Lab 4 | (No comments) |
| AASHTO T27 Sieve Analysis - Fine and Coarse Aggregates (JTCP - HMA I) | 2025-05-13      | Active | Avinash Ralla  | Lab 1, Lab 2, Lab 3, Lab 4 | (No comments) |
| AASHTO R47 Reducing Samples of HMA (JTCP - HMA I)                     | 2025-05-13      | Active | Avinash Ralla  | Lab 1, Lab 2, Lab 3, Lab 4 | (No comments) |
| AASHTO R76 Reducing Samples of Agg (JTCP - HMA I)                     | 2025-05-13      | Active | Avinash Ralla  | Lab 1, Lab 2, Lab 3, Lab 4 | (No comments) |
| AASHTO T84 SpG & Absorption - Fine Aggregates                         | 2025-07-18      | Active | Ed Gamboa      | Lab 1, Lab 2, Lab 3, Lab 4 | (No comments) |
| AASHTO T85 SpG & Absorption - Coarse Aggregates                       | 2025-07-18      | Active | Ed Gamboa      | Lab 1, Lab 2, Lab 3, Lab 4 | (No comments) |
| AASHTO T96 L.A. Rattler                                               | 2025-07-18      | Active | Ed Gamboa      | Lab 2, Lab 3               | (No comments) |
| AASHTO T166 Bulk SpG of Compacted HMA - SSD (JTCP - HMA II)           | 2025-05-26      | Active | Avinash Ralla  | Lab 1, Lab 2, Lab 3        | (No comments) |



| Test Method                                            | Expiration Date | Status | IA Responsible | Within Lab(s) Scope        | Comments      |
|--------------------------------------------------------|-----------------|--------|----------------|----------------------------|---------------|
| AASHTO T176 Sand Equivalent (JTCP - HMA I)             | 2025-05-13      | Active | Avinash Ralla  | Lab 1, Lab 2, Lab 3, Lab 4 | (No comments) |
| AASHTO T209 Max SpG and Density - HMA (JTCP - HMA II)  | 2025-05-26      | Active | Avinash Ralla  | Lab 2, Lab 3               | (No comments) |
| AASHTO T210 Aggregate Durability Index                 | 2025-07-18      | Active | Ed Gamboa      | Lab 1, Lab 2, Lab 3, Lab 4 | (No comments) |
| AASHTO T255 Evaporable Moisture Content (JTCP - HMA I) | 2025-05-13      | Active | Avinash Ralla  | Lab 1, Lab 2, Lab 3, Lab 4 | (No comments) |
| AASHTO T269 Percent Air Voids - HMA (JTCP - HMA II)    | 2025-05-26      | Active | Avinash Ralla  | Lab 2, Lab 3               | (No comments) |
| AASHTO T275 Bulk SpG - HMA (JTCP - HMA II)             | 2025-05-26      | Active | Avinash Ralla  | Lab 1, Lab 2, Lab 3        | (No comments) |
| AASHTO T283 Moisture Induced Damage (TSR)              | 2025-07-18      | Active | Ed Gamboa      | Lab 3                      | (No comments) |
| AASHTO T304 Uncompacted Void - Fine Aggregate          | 2025-07-18      | Active | Ed Gamboa      | Lab 1, Lab 2, Lab 3        | (No comments) |

| Test Method                                                     | Expiration Date | Status | IA Responsible | Within Lab(s) Scope | Comments      |
|-----------------------------------------------------------------|-----------------|--------|----------------|---------------------|---------------|
| AASHTO T308 AC Content (Ignition Oven) - HMA (JTCP - HMA II)    | 2025-05-26      | Active | Avinash Ralla  | Lab 1, Lab 2, Lab 3 | (No comments) |
| AASHTO T312 Gyratory Compactor                                  | 2025-07-18      | Active | Ed Gamboa      | Lab 1, Lab 3        | (No comments) |
| AASHTO T324 Hamburg Wheel-Track                                 | 2025-07-18      | Active | Ed Gamboa      | Lab 3               | (No comments) |
| AASHTO T329 Moisture Content (Oven Method) - HMA (JTCP - HMA I) | 2025-05-13      | Active | Avinash Ralla  | Lab 1, Lab 2, Lab 3 | (No comments) |
| AASHTO T335 Percentage of Fracture (JTCP - HMA I)               | 2025-05-13      | Active | Avinash Ralla  | Lab 1, Lab 2, Lab 3 | (No comments) |
| ASTM D4791 Flat and Elongated Particles                         | 2025-07-18      | Active | Ed Gamboa      | Lab 3               | (No comments) |