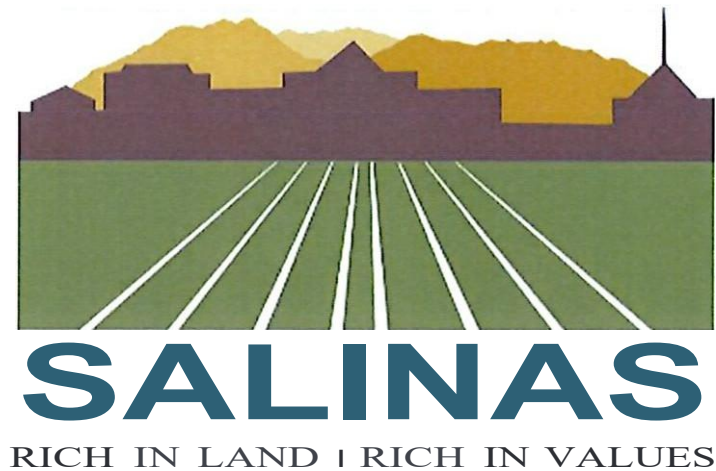




**CITY OF SALINAS
PUBLIC WORKS DEPARTMENT**

QUALITY ASSURANCE PROGRAM (QAP)

Approved By:

Date:

Stamp:


David Jacobs, Public Works Director

March 10, 2026



**A RESOLUTION APPROVING THE PUBLIC WORKS QUALITY ASSURANCE
PROGRAM**

RESOLUTION NO. 2026-036

WHEREAS, the City of Salinas Public Works Department is responsible for the planning, design, construction, and maintenance of public infrastructure, including streets, sidewalks, stormwater systems, sanitary sewer systems, and public facilities; and

WHEREAS, state and federal agencies, including the California Department of Transportation (Caltrans) and the Federal Highway Administration (FHWA), require local agencies receiving transportation or infrastructure funding to adopt and maintain a Quality Assurance Program (QAP); and

WHEREAS, the Quality Assurance Program establishes policies, procedures, and documentation standards to ensure that materials testing, construction inspection, and project administration are performed in accordance with applicable regulations, engineering standards, and industry best practices; and

WHEREAS, the Public Works Department has prepared an updated Quality Assurance Program that consolidates existing procedures, strengthens compliance, and supports the City's eligibility for state and federal funding; and

WHEREAS, the City Council finds that acceptance of the Quality Assurance Program is in the best interest of the City and will support consistent, high-quality delivery of public works projects.

NOW, THEREFORE, BE IT RESOLVED that the Salinas City Council hereby approves the Public Works Quality Assurance Program (QAP) attached hereto as Exhibit A; and

BE IT FURTHER RESOLVED that the Public Works Director or designee is hereby authorized and directed to update the QAP as necessary to meet federal, state and local requirements.

PASSED AND APPROVED this 24th day of March 2026, by the following vote:

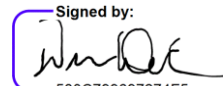
AYES: Councilmembers Barajas, Barrera, D'Arrigo, De La Rosa, Salazar, Sandoval and Mayor Donohue

NOES: None

ABSENT: None

ABSTAIN: None

APPROVED:

Signed by:

580C799697274F5...
Dennis Donohue, Mayor

ATTEST:

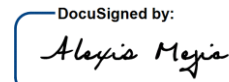
DocuSigned by:

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Alexis Mejia, Assistant City Clerk

Exhibit A: Quality Assurance Program

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1. **GENERAL**

The City of Salinas' (City) Quality Assurance Program (QAP) has been developed by the City to provide guidelines for testing of construction materials and assurance that the materials incorporated into the construction projects are in conformance with the contract specifications. The City's QAP is updated a minimum of every five years to address changes to project specifications, materials, and updates to the testing methods. The QAP is incomplete without Attachment 1 through 3.

Variations for Projects On or Off the SHS

The requirements of a QAP depend whether the project is on or off the SHS.

Projects OFF the State Highway System (SHS), follow the QAP outlined in this document

Projects ON the State Hwy System, follow the QAP outlined in Caltrans manual, Section 2.3 QAP Requirements for projects on the SHS:

QAP Documents

These QAP documents are to be used:

- The California Department of Transportation (Caltrans) Construction Manual
- Construction Manual Supplement for Local Agency RE's per LAPM chapter 16.11
- Local Assistance Structure Representatives Guidelines per LAPM chapter 16.11
- The Caltrans Independent Assurance (IA) Manual

The Caltrans Construction Manual provides the frequency of acceptance testing and outlines the acceptance testing program. The Caltrans IA Manual details the Caltrans Independent Assurance Program to be followed that has been approved by FHWA.

These manuals are available at the following websites:

<https://dot.ca.gov/programs/construction/construction-manual>

<https://dot.ca.gov/-/media/dot-media/programs/construction/documents/policies-procedures-publications/construction-manual/cm-supplement-lare-al ly.pdf>

<https://dot.ca.gov/programs/construction/publications>

<https://dot.ca.gov/programs/engineering-services/manuals>

Plans and Specifications

Caltrans and local agency projects on the SHS are required to use Caltrans approved plans specifications.

Test Methods

On Caltrans (CT) and local agency projects on the SHS, CT methods are required to be

followed. All CT methods are available at the following website:

[California Tests \(CT\) | Caltrans](#)

2. **DEFINITION OF TERMS**

Quality Assurance Program (QAP): A sampling, testing and inspection program to provide assurance that the materials and workmanship incorporated into the project conform to the contract specifications.

The main elements of a QAP are a Material Acceptance Program and an Independent Assurance Program that meets the criteria in 23 CFR 637

Acceptance Testing: Testing of project materials to determine compliance with the contract specification criteria.

Certificate of Compliance: A signed document from the material manufacturer committing that the delivered goods meet the contract specifications.

Independent Assurance Program (IAP): A program that verifies that acceptance testing is being performed correctly by certified testers using accredited laboratories and calibrated equipment.

Materials Acceptance Program: Sampling, testing, inspection, and certification of project materials to determine compliance with the contract specifications.

Quality Assurance Program (QAP): A program that will ensure materials and workmanship incorporated into the project conform to the contract specifications. The main elements of a QAP are the Material Acceptance Program and the Independent Assurance Sampling and Testing Program.

Source Inspection: Sampling, testing, and/or inspection of manufactured or prefabricated structural materials at a location other than the job site, generally at the manufactured location.

3. **MATERIALS ACCEPTANCE PROGRAM**

Material incorporated into the work is accepted by one or more of the following methods, as specified in the contract specifications and this document:

Field Sampling and Acceptance Testing

Manufacturer's Certificate of Compliance

Source Inspection and Testing

Visual Inspection

Field Sampling and Acceptance Testing:

- Acceptance sampling and testing are performed by certified materials personnel.
- Acceptance testing is performed utilizing accredited materials laboratories and properly calibrated equipment.
- Certifications and accreditations are specific to the tests being performed.
- A materials testing results log is maintained for any test method performed more than once on a project.
- Test results for materials incorporated into the work are to be in compliance with the contract specifications.
- Actions taken regarding material with failing test results will be fully documented, including details documenting remove/replace, rework/re-test, and deduction/change order.
- Justification will be provided for any failing material allowed to remain in-place.

Acceptance Sampling and Testing Locations / Frequencies:

- Sample and testing locations and frequencies are to be in accordance with the contract specifications.
- If not specified in the contract documents, sampling and testing locations / frequencies are shown in Attachment 1: Acceptance Sampling and Testing Frequencies.
- When sampling products such as Portland Cement Concrete, cement-treated base, hot mix asphalt, or similar materials, sampling is varied with respect to the time of the day, in so far as possible, in order to *avoid a predictable sampling routine*.

Acceptance Test Methods:

- The test methods used are as specified in the contract documents. If not specified, testing is done with the California Tests (CT) Method.
- For a material specified to comply with a property shown in the following table, testing is performed utilizing the noted test method(s):

Table 1: Acceptance Test Methods by Material Property per Caltrans Standard Specifications

Test Property	Test
Relative compaction	CT 216 & CT 231
Sand Equivalent	CT 217
Resistance (R-Value)	CT 301
Grading (sieve analysis)	CT 202
Durability Index	CT 229
Cleanness Value	CT 227

Test Methods equivalents to the test listed above require written approval.

Acceptance Materials Testing Laboratory

- Acceptance testing will be performed as applicable by one or more of the following:
 - a) Consultant Materials Testing Laboratory

- b) Other as specified and authorized by City of Salinas – Public Works Department
- The materials laboratory is under the responsible management of a California Registered Engineer with experience in sampling, inspection, and testing of construction materials.
- The Engineer will certify the results of all tests performed by laboratory personnel under the Engineer's supervision.
- The Materials Laboratory is properly accredited.
- The Materials Laboratory testing personnel are appropriately certified.
- Testing equipment is properly calibrated.
- Materials Laboratories will comply with Section IV. Independent Assurance Program (IAP) of this document.

Reporting Acceptance Test Results

- Submit the laboratory test results reports to the Resident Engineer (RE) as soon as possible by email or telephone.
- Copies of the complete material test result reports, including data and calculation sheets, are provided to the RE in accordance with the following timetable:

Table 2: Material Sampling, Testing, and Results Reporting Timetable Matrix

If the material is sampled ...	and the test performed is ...	submit results to the RE within ...
at the material plant	Sieve Analysis or Sand Equivalent (SE) or Cleanness Value (CV)	24 hours
at the jobsite	Compaction and/or maximum density	24 hours
	Sieve Analysis or Sand Equivalent (SE) or Cleanness Value (CV)	72 hours
	R value or Asphalt extraction	96 hours

Acceptance Testing Summary Logs

- The RE maintains a testing summary log for each test method performed on the project utilizing Attachment 2: Test Result Summary Log.
 - Test results Summary Log shall include, at minimum, the following:
 - Name and ID Number of the Test Method Performed
 - Date Tested
 - Name of Tester
 - Location Approximate Quantity of Material Represented by the Test
 - Required Passing Result
 - Actual Test Result
 - Resolution of any Failing Results

- The logs are used by the RE to track that:
 - Sampling is performed at the required frequencies.
 - Acceptance tests are performed at the required frequencies.
 - Tester certifications are current and on file.
 - All failing tests have been mitigated and documented.

Manufacturer's Certificate of Compliance:

- Various manufactured materials may be accepted for incorporation into the work without sampling or testing, based on the following:
 - Visual examination of material is performed
 - Supplier has furnished similar material with a history of having met specifications
 - Manufacturer certification that materials comply with contract specifications
 - The products, materials, or assemblies do not involve structural integrity or safety to the public
- Where required by the contract specifications, the contractor must submit a certificate of compliance and comply with Buy America certification requirements as applicable.
- Where required by the contract, the contractor must attach test data or other documents to the certificate of compliance.
- The RE may perform sampling and testing on such materials at any time.
- Certificates of compliance must:
 - Be submitted by the Contractor before the material is incorporated into the work;
 - Accompany the material to the job site.
 - Identify the lot (or heat) number for each lot delivered;
 - Include the contract number;
 - Include test data and other documents when required.
 - State that the material complies with the contract specifications; and
 - Be signed by the producer of the material.

List of Materials Accepted by Certificate of Compliance

- This agency uses the Caltrans 2023, Caltrans 2024, and 2008 City of Salinas Standard Specifications.
- In accordance with the Caltrans 2023, Caltrans 2024, and 2008 the materials listed in **Attachment 3** may be accepted by Certificate of Compliance
- This list may be supplemented or amended by the contract Special Provisions or Technical Provisions.

Source Inspection and Testing

- Some manufactured or pre-fabricated structural materials will be inspected or tested prior to arrival at the jobsite, generally at the manufacturer's location (a.k.a. source inspected.)
- Structural items categorized as "catastrophic consequences of failure" or

- “significant safety concern” may be source inspected. Materials that might be source inspected include structural steel, precast pre-stressed concrete girders and pilings; RCP greater than 60”, joint seals, bearing pads, lighting and signal poles, sign structures, electrical items.
- The RE may reject source inspected material at the job site if deemed not acceptable, including:
 - Material damage in shipment or installation;
 - Defective material (source inspection is usually a random sampling and may not have checked 100% of the material.)
 - One or more of the following materials laboratories will be used to perform source inspection and testing:
 - a. Consultant Materials Testing Laboratory
 - b. Other as specified and authorized by City of Salinas – Public Works Department

Acceptance of Minor Quantities Without Testing (Visual Inspections)

General:

- Relatively minor quantities of construction materials may be accepted without testing.
- The following 3 conditions must be met:
 1. Visual examination of the material is performed.
 2. The manufacturer or supplier has recently furnished similar materials found to be satisfactory using normal sampling and testing requirements.
 3. The manufacturer (or supplier in the case of HMA or concrete) provides certification that the material furnished complies with the contract specifications.

Approximate quantities that may be accepted by visual inspection:

- Aggregates other than for use in Portland Cement Concrete, not to exceed:
 - 100 tons per day, nor
 - 500 tons per project
- Bituminous mixtures (example: HMA), not to exceed:
 - 50 tons per day, nor
 - If project total is less than 500 tons, sample at engineer’s discretion
- Bituminous material (example: Liquid Asphalt), not to exceed:
 - 100 gallons per project

4. INDEPENDENT ASSURANCE PROGRAM (IAP)

General:

- The IAP verifies that:
 - Sampling and testing procedures are being performed correctly.
 - All acceptance testing (AT) performed on the project uses an accredited

laboratory and certified testing personnel.

- All testing equipment is in good condition and properly calibrated.
- A complete review of AT shall be performed by IAP personnel, or an independent materials laboratory chosen by the agency, when unresolved discrepancies related to poor correlation between acceptance tester's results and other test results occur.
- The IAP duties, including certification of testers and qualification of lab, shall be executed by:
 - a) Local Agency designated IAP person (Assigned by City Engineer)
 - b) Caltrans (for CT test methods only)
 - c) Consultant (this consultant shall be different from AT consultant)
- Independent assurance samples and tests are not to be used for determining compliance with contract requirements.
- Testing with only ASTM/AASHTO material testing will require the LPA hire a separate laboratory to perform independent assurance (see LAPM 16.11.2: Independent Assurance (IA) Program).

Laboratory Accreditation:

- The Acceptance Testing (AT) materials laboratory must participate and comply with one or more of the following Correlation Testing Programs:
 - a. AASHTO resource (formerly AMRL)
 - b. Cement and Concrete Reference Laboratory (CCRL)
 - c. Caltrans' Reference Samples Program (RSP)
- The Acceptance Testing Laboratory accreditation occurs annually or per issuance agency.
- A copy of the current laboratory accreditation certificate shall be kept in the project records.

Tester Certification:

- Sampling and testing personnel are certified for a maximum of 5 years by one or more of the following Personnel Certification Programs:
 - CT METS IA Representative (at JTCP or outside of JTCP for other tests methods)
 - American Concrete Institute
 - National Institute of Certification of Engineering Technologies
 - Other nationally recognized organization: _____
- This agency designated and qualified IA person (Independent Assurance Person may not perform Acceptance Testing)
- Proficiency tests are performed for testers to be certified on Sieve Analysis, Sand Equivalent, and Cleanness Value tests. All other types are witness tests.
- A copy of each tester's current and applicable certifications is kept in the project files.

Equipment Calibration:

- Laboratory testing equipment shall be:
 - Capable of performing the tests required.
 - Be in good working order.
 - Be calibrated at least once each year, and more frequently if required by test method or manufacturer's recommendation.
 - Be calibrated by impartial means using devices of accuracy traceable to the **National Institute of Standards and Technology**.
 - Have a *decal* firmly affixed to each piece of equipment showing:
 - Equipment Identification Number
 - Calibration Date
 - Calibration Expiration/Due
 - Calibrator Name/Company Name

5. RESIDENT ENGINEER'S CERTIFICATION OF PROJECT MATERIALS:

1. The RE shall complete and sign LAPM Exhibit 17-G, "Materials Certificate" of the Local Assistance Procedures Manual (LAPM), upon completion of a federal-aid project,
2. The form shall explain and justify all materials incorporated into the work which did not conform to specifications, including changes by virtue of contract change orders.
3. The form shall be filed in the project records.
4. The form shall be included in the Report of Expenditures submitted to the Caltrans District Local Assistance Engineer.

6. PROJECT QAP RECORDS:

Project construction files shall be organized and indexed, and will include the following items:

- Copy of Quality Assurance Plan
- Certificates of Proficiency
- Certificate of Accreditation for Testing Laboratory
- Notice of Materials to be Used
- Acceptance Testing Summary Logs and Test Results
- Certificates of Compliance (Buy America certification requirements as applicable; see LAPM)
- Source inspection records and reports
- Final Materials certification

All project records will be available in a single location for inspection by auditors and reviewers:

- At any time during the project
- For three years following the date of the final project voucher

ATTACHMENTS

ATTACHMENT NO. 1:	Sampling and Testing Frequencies Table
ATTACHMENT NO. 2:	Exhibit 16-Z2 Acceptance Testing Results Summary Log
ATTACHMENT NO. 3:	Exhibit 16T Materials Accepted by Certificate of Compliance

Sampling and Testing Frequency Table
for projects OFF the SHS

<i>Sample for Local Agency QAPs</i>			
Sampling and Testing Frequency Table <i>for projects OFF the SHS.</i>			
HOT MIX ASPHALT (HMA) / ASPHALT CONCRETE (AC)			
Quality Characteristic	Test Method	Minimum Sampling and Testing Frequency	Location/Time of Sampling
Aggregate Gradation (Sieve)	CT 202	1 Per 1000 Tons or Part Thereof ; Minimum 1 per day during production/placement of at least 300 tons per day.	At Plant Per CT 125 (a)
Sand Equivalent	CT 217		
Asphalt Binder Content	CT 382		Loose Mix Behind Paver Per CT 125
In-Place Density and Relative Compaction (Nuclear)	Nuclear (b) CT 375 or ASTM D2950 (c)	1 Per 1000 Tons or Part Thereof ; Minimum 1 per day during production/placement of at least 300 tons per day. (b)	Random Locations Per CT 375 (c)
Theoretical Maximum Specific Gravity and Density (Rice)	CT 309	1 Per Day During Production/Placement of At Least 300 Tons Per Day	Loose Mix Behind Paver Per CT 125
HMA Moisture Content	CT 226 or CT 370		
Stabilometer Value (d)	CT 366		
Asphalt Binder	Sample per Section 92	Sample 1 min. per day for production over 300 tons per day; See (f) regarding testing.	At Plant Per CT 125
Smoothness	12-foot Straightedge	As necessary to confirm contract compliance.	Final Pavement Surface

- (a) Exact tonnage of sample location to be determined by Random Sampling Plans
- (b) Compaction determined by Nuclear Density Device. Core testing required if compaction fails the nuclear test
- (c) Correlation between core densities and nuclear device required only if compaction fails the nuclear test
- (d) Report the average of 3 tested briquettes from a single split source
- (e) Use CT 309 to determine maximum theoretical density in lieu of CT 308 or CT 367 calculated maximum theoretical density
- (f) No testing required unless warranted by concern; sample and store until completion of project

SUBGRADE (DISTURBED BASEMENT SOIL) OR EMBANKMENT

Quality Characteristic	Test Method	Minimum Sampling and Testing Frequency	Location/Time of Sampling
Maximum Density and Relative Compaction	CT 216/CT 231	1 Min. Test per 5000 sq ft under vehicle traveled way and shoulder 1 Min. Test Per 300 linear foot under sidewalk	Random locations as determined by the Engineer in place after compaction.

AGGREGATE BASES AND SUBBASES, IMPORTED BORROW

Quality Characteristic	Test Method	Minimum Sampling and Testing Frequency	Location/Time of Sampling
Sieve Analysis	CT 202	1 Min. Test Per Material Source	Sample from site stockpile/plant prior to placement.
R-Value	CT 301		
Sand Equivalent	CT 217		
Maximum Density and Relative Compaction	CT 216/CT 231	1 Min. Test per 5000 sq ft	Random locations as determined by the Engineer in place after compaction.

STRUCTURE BACKFILL, SELECT BACKFILL

Quality Characteristic	Test Method	Minimum Sampling and Testing Frequency	Location/Time of Sampling
Sieve Analysis	CT 202	1 Min. Test Per Material Source	Sample from site stockpile/plant prior to placement
R-Value	CT 301		
Sand Equivalent	CT 217		
Maximum Density and Relative Compaction	CT 216/CT 231	1 Min. Test Per 2 Vertical Lifts of Placement	Random locations as determined by the Engineer in place after compaction.

PORTLAND CEMENT CONCRETE (PCC) - STRUCTURAL AND SIGNAL/LIGHTING FOUNDATIONS

COARSE AGGREGATE			
Quality Characteristic	Test Method	Minimum Sampling and Testing Frequency	Location/Time of Sampling
Sieve Analysis	CT 202	1 min. test per 500 cu yds and per each material source ; 1 min. test on smaller projects; If bridge, 1 min. set per separate pour per abutment/pier/deck.	Sample from site stockpile/plant prior to placement
Cleaness Value	CT 227		

FINE AGGREGATE			
Quality Characteristic	Test Method	Minimum Sampling and Testing Frequency	Location/Time of Sampling
Sieve Analysis	CT 202	1 min. test per 500 cu yds and per each material source ; 1 min. test on smaller projects; If bridge, 1 min. set per separate pour per abutment/pier/deck.	Sample from site stockpile/plant prior to placement
Sand Equivalent	CT 217		

WET MIX			
Quality Characteristic	Test Method	Minimum Sampling and Testing Frequency	Location/Time of Sampling
Slump/Penetration	CT 533	2 per day	Sample from truck/work site
Cylinders	CT 539/540	1 min. set of 3 per day; If bridge, 1 min. set per separate pour of abutment/pier/deck.	

Exhibit 16-Z2 Acceptance Testing Results Summary Log

Test Method Name: _____

Test Method Number: _____

Project Name: _____

Contract Number: _____

Table 3: Test Result Summary Log Template (QAP Attachment 2)

Test Number	Date Sampled	Name of Sampler or Tester		Production		Test Results			Remarks
		Tester Certification on file?		Location (Stations, depths, etc)	Production Quantity Represented	Required Result	Actual Result	Pass/Fail	Include action taken for any failing test result; note test number of any retest.
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									

Exhibit 16-T Materials Accepted By Certificate of Compliance

Table 6-2.3 Materials Accepted by Certificate of Compliance (1 of 7)

Material/Product	Remarks (Including Requirements for Additional Back-Up Information Required with Certificate of Compliance)
Asphalt	
Asphaltic emulsion	Certificate of compliance must include the following: 1. Shipment number and shipment date. 2. Source refinery, consignee, and destination. 3. Type and description of material with specific gravity and quantity. 4. Contract or purchase order number. 5. Signature by the manufacturer of the material and a statement that the material complies with the contract.
Asbestos cement pipe	
Asbestos sheet packing	
Asphalt modifier	Test results required with each truck load.
Asphalt rubber joint sealant	A certified test report of the results for the required tests performed within 12 months before the proposed use.
Backer rods	Must include manufacturer's statement of compatibility with the joint sealant to be used.
Barbed Wire	
Blast cleaning material	
Bonding Material	
Brick	
Cable-type restrainers Lock nuts	Certificate of compliance must be submitted with a copy of each required test report.
Cast iron pipe	
Cast iron manhole rings and covers	
Chemical adhesive for bonding tie bars and dowel bars in concrete pavement	
Chemical adhesive for structures	Certificate of compliance must state compliance with ICBO AC 58 and Caltrans. Augmentation/Revisions to ICBO AC 58.
Concrete Admixture	Certificate of compliance from the manufacturer must certify that the admixture furnished is the same as that previously authorized or the authorized materials list.
Concrete Cementitious material	Certificate of compliance must include the source name and location. If the cementitious material is delivered directly to the job site, the certificate of compliance must be signed by the cementitious material supplier. If the cementitious material is used in ready-mixed concrete, the certificate of compliance must be signed by the concrete manufacturer. If blended cement is used, the certificate of compliance must include a statement signed by the blended cement supplier that shows the actual percentage of SCM, by weight, in the blend.
Concrete Curing compound	Certificate of compliance must include: 1. Test results for the tests specified in Section 90-1.01D(6) [90-7.01B] of the <i>Standard Specifications</i> . 2. Certification that the material was tested within 12 months before use.
Concrete Minor concrete	Before placing minor concrete from a source not previously used on the contract, a certificate of compliance stating that the minor concrete to be furnished complies with the contract requirements, including the specified minimum cementitious material content.
Ceramic tile	
Chain link fencing and railing	Certificate required for protective coating system.
Concrete anchorage devices	

Table 6-2.3 Materials Accepted by Certificate of Compliance (2 of 7)

Material/Product	Remarks (Including Requirements for Additional Back-Up Information Required with Certificate of Compliance)
Concrete pipe Circular reinforced direct design method	Certificate of compliance must: 1. Be signed by the manufacturer's quality control representative. 2. State that all materials and workmanship comply with the specifications and authorized shop drawings.
Copper pipe	
Corrugated metal pipe	
Crack sealant	Certificate of compliance must include: 1. Manufacturer's name 2. Production location 3. Product brand or trade name 4. Product designation 5. Batch or lot number 6. Crack treatment material type 7. Contractor or subcontractor name 8. Contract number 9. Lot size 10. Shipment date 11. Manufacturer's signature
Crash cushions	
Crumb rubber modifier	Test results required with each truck load.
Culvert markers	
Delineators	Certificate of compliance required for: 1. Metal target plates 2. Enamel coating 3. Retroreflective sheeting
Dowel bar baskets	
Drop inlet grates and frames	
Drain tile	
Drip irrigation line	
Elastomeric Bearing Pads Plain	Certified test results for the elastomer.
Elastomeric Bearing Pads Steel-reinforced	Certified test results.
Electrical Battery back-up system	Certificates of compliance is required for: • External cabinet • Batteries
Electrical Conductor	
Electrical Conduit (galvanized and plastic)	
Electrical Equipment	
Electrical Pull boxes (concrete and plastic)	
Electrical Service cabinets	

Table 6-2.3 Materials Accepted by Certificate of Compliance (3 of 7)

Material/Product	Remarks (Including Requirements for Additional Back-Up Information Required with Certificate of Compliance)
Erosion control	Certificate of compliance is required for: • Straw • Fiber • RECP • Fasteners Certificate of compliance with attachments are required for: • Tackifier • Bonded fiber matrix • Polymer-stabilized fiber matrix Certificates of compliance attachments include: 1. Material Safety Data Sheet. 2. Product label. 3. List of applicable nonvisible pollutant indicators for soil amendment and stabilization products as shown in the table titled "Pollutant Testing Guidance Table" in the Caltrans Construction Site Monitoring Program Guidance Manual. 4. Report of acute and chronic toxicity tests on aquatic organisms conforming to EPA methods. 5. List of ingredients, including chemical formulation. 6. Properties of polyacrylamide in tackifier including (1) percent purity by weight, (2) percent active content, (3) average molecular weight, and (4) charge density.
Epoxy	
Epoxy powder coating for dowel bars and tie bars	
Expansion joint filler	
Fiberglass pipe	Certificate of compliance must be submitted with laboratory test results.
Gabions	If PVC coating is shown, a suitable UV resistance additive must be blended with the PVC and the additive must be shown on the certificate of compliance.
Geocomposite drain	Certificate of compliance must certify that the drain produces the specified flow rate. The certificate must be accompanied by a flow capability graph for the geocomposite drain showing flow rates and the externally applied pressures and hydraulic gradients. Verification must be by an authorized laboratory for the flow capability graph.
Geosynthetics	Test sample representing each lot and minimum average roll value.
Glass beads	
Glue laminated timbers and decking	
Guide markers	
Irrigation hose	
Irrigation pipe	Certificate of compliance required for: • Polyethylene pipe. • Plastic pipe supply line for pipe with wall thickness of the bell less than the specified minimum wall thickness of the pipe.
Joint filler material	
Joint seals (Type A and AL)	Certified test report for each batch of sealant.

Table 6-2.3 Materials Accepted by Certificate of Compliance (4 of 7)

Material/Product	Remarks (Including Requirements for Additional Back-Up Information Required with Certificate of Compliance)
Joint seal (Type B)	Certificate of compliance required for: • Elastomeric joint seal • Lubricant-adhesive Certificate of compliance must be submitted with certified test report for each lot of elastomeric joint seal and lubricant-adhesive. Test reports must include the seal movement rating, the manufacturer's minimum uncompressed width, and test results.
Joint seal assemblies with a movement rating of 4 inches or less	For alternative joint seal assemblies, a certificate of compliance must be submitted for each shipment of joint seal materials. The certificate must state that the materials and fabrication involved comply with the specifications and the data submitted in obtaining the authorization for the alternative joint seal assembly.
Joint seal assemblies with a movement rating over 4 inches	
Lime	Certificate of compliance must include a statement certifying the lime furnished is the same as on the authorized material source list.
Machine spiral wound PVC pipeliners	Certificate of compliance for each reel of PVC strip must include: 1. Name of manufacturer 2. Plant location 3. Date of manufacture and shift 4. Cell classification 5. Unit mass 6. Average pipeliner stiffness and profile type
Markers	Certificate of compliance required for: 1. Metal target plates 2. Enamel coating 3. Retroreflective sheeting
Masonry block	Certificate of compliance required for: 1. Concrete masonry units 2. Aggregate for grout 3. Grout
Micro surfacing emulsion	
Mulch	
Open steel flooring and grating	
Overside drains	Certificate of compliance based on steel materials, aluminum materials or plastic materials.
Parking area seal material	
Pavement markers	
Pavement marking Paint or thermoplastic	
Plastic lumber	Laboratory test report.
Plastic traffic drums	
Plastic pipe for drainage	Certificate of compliance must include average pipe stiffness, resin material cell classification, and date of manufacture. For corrugated polyethylene pipe, manufacturer's copy of plant audits and test results from the National Transportation Products Evaluation Program for the current cycle of testing for each pipe diameter furnished.
Portable changeable message sign	
Precast concrete Cementitious material used in precast concrete products	Certificate of compliance must be signed by the precast concrete product manufacturer.

Table 6-2.3 Materials Accepted by Certificate of Compliance (5 of 7)

Material/Product	Remarks (Including Requirements for Additional Back-Up Information Required with Certificate of Compliance)
Precast concrete Box culverts	Certificate of compliance must signed by the manufacturer's QC representative for each shipment.
Precast raised traffic bars	
Preformed compression seal for concrete pavement	
Preformed membrane sheet	Must include type of sheet and the conditioner or primer application rates.
Rapid strength concrete	Certificate of compliance is required for each delivery of aggregate, cementitious material, and admixtures used for calibration tests. The certificate of compliance must state that the source of the materials used for the calibration tests is the same source as to be used for the planned work.
Reinforcement	You may request that the contractor submits with certificate of compliance: 1. Copy of the certified mill test report for each heat and size of reinforcing steel showing physical and chemical analysis. 2. Two copies of a list of all reinforcement before starting reinforcement placement.
Reinforcement Epoxy-coated	Certificate of compliance for each shipment of epoxy-coated reinforcement must be submitted with: 1. Certification that the coated reinforcement complies with ASTM A 775/A 775M for bar reinforcement or ASTM A 884/A 884M, Class A, Type 1, for wire reinforcement 2. All certifications specified in ASTM A 775/A 775M for bar reinforcement or ASTM A 884/A 884M for wire reinforcement.
Reinforcement Epoxy-coated prefabricated reinforcement	Certificate of compliance for each shipment of epoxy-coated prefabricated reinforcement must be submitted with: 1. Certification that the coated reinforcement complies with ASTM A 934/A 934M for bar reinforcement or ASTM A 884/A 884M Class A, Type 2 for wire reinforcement. 2. All certifications specified in ASTM A 934/A 934M for bar reinforcement or ASTM A 884/A 884M for wire reinforcement.
Reinforcement Epoxy-coating patching materials	Certificate of compliance for the patching material must include certification that the patching material is compatible with the epoxy powder to be used.
Reinforcement Headed bar	Certificate of compliance for each shipment of headed bar reinforcement must be submitted with: 1. Mill test reports for the: 1.1. Bar reinforcement 1.2. Head material 2. Production test reports 3. Daily production logs
Reinforcement Splicing	Certificate of compliance for each shipment of splice material must be submitted with: 1. Type or series identification of the splice material, including tracking information for traceability. 2. Grade and size number of reinforcement to be spliced. 3. Statement that the splice material complies with the type of mechanical splice on the authorized material list. 4. For resistance-butt-welded material: 4.1. Heat number 4.2. Lot number 4.3. Mill certificates

Table 6-2.3 Materials Accepted by Certificate of Compliance (6 of 7)

Material/Product	Remarks (Including Requirements for Additional Back-Up Information Required with Certificate of Compliance)
Sheet metal	
Sign panels	Certificates of compliance required for: 1. Aluminum sheeting 2. Retroreflective sheeting 3. Screened-process colors 4. Nonreflective, opaque, black film 5. Protective-overlay film
Silicone joint sealant	A certified test report of the results for the required tests performed within 12 months before the proposed use.
Slotted edge drain	
Snow poles	
Snow plow deflectors polyethylene material	
Soil amendment	
Steel crib wall	
Sheet metal	
Sign panels	Certificates of compliance required for: 1. Aluminum sheeting 2. Retroreflective sheeting 3. Screened-process colors 4. Nonreflective, opaque, black film 5. Protective-overlay film
Silicone joint sealant	A certified test report of the results for the required tests performed within 12 months before the proposed use.
Slotted edge drain	
Snow poles	
Snow plow deflectors polyethylene material	
Soil amendment	
Steel crib wall	
Steel pipe piles	The certificate of compliance must be signed by the plant's QC representative. The QC representative must be on record with the Department's Office of Structural Materials. certificate of compliance must include: 1. Statement that all materials and workmanship incorporated in the work and all required tests and inspections of this work have been performed as described. 2. Certified mill test reports for each heat number of steel pipe piles being furnished. 3. Test reports for tensile, chemical, and any specified non-destructive test (NDT). 4. Test reports must be based on test samples taken from the base metal, steel, coil or from the manufactured or fabricated piles. 5. Calculated carbon equivalent. The carbon equivalent may be shown on the mill test report.
Steel sheet piling	
Structural plate culverts	Certificate of compliance required for: 1. Structural metal plate pipe 2. Arches 3. Pipe arches 4. Metal liner plate pipe

Table 6-2.3 Materials Accepted by Certificate of Compliance (7 of 7)

Material/Product	Remarks (Including Requirements for Additional Back-Up Information Required with Certificate of Compliance)
Structural shape steel piles	Certificate of compliance must include: 1. Test reports for tensile, chemical, and any specified NDT. Test samples must be taken from the base metal, steel, or from the manufactured or fabricated pile. 2. A statement that all materials and workmanship incorporated in the work and all required tests and inspections of this work have been performed as described.
Structural composite lumber used in falsework	
Structural steel thermal spray coat	
Wire feedstock	
Styrofoam filler	
Subsurface drain	
Temporary concrete washout	Certificate of compliance required for: - Gravel-filled bag - Plastic liner
Temporary fence (Type ESA)	Certificate of compliance required for: - High visibility fabric - Safety caps for metal posts
Temporary linear sediment barrier	Certificate of compliance required for: - Fiber roll - Safety cap for metal posts - Silt fence fabric - Sediment filter bag - Foam barrier - Gravel-filled bag fabric
Temporary railing (Type K)	
Thermoplastic	
Tie bars	
Tie bar baskets	
Timber products (treated and untreated)	Certificate of compliance for timber and lumber must state the species of the material to be shipped and include a certified grading report. If treated, certified treating report.
Threaded tie bar splice couplers	
Traffic stripe Paint or thermoplastic	
Turf sod	
Underdrains	Certificate of compliance required for: - Type of pipe - Tubing - Fitting
Waterproofing fabric	
Waterstop	Certificate of compliance for waterstop material must state compliance with paragraph 6 of Army Corps of Engineers CRD-C 572.
Welded wire fabric	
Wire mesh fencing	