

## Exhibit 16-T1: Materials Requiring a Certificate of Compliance per Caltrans Standard Specifications

Caltrans 2018 Standard Specifications	Material	Additional Info and/or Attachments Required*
<b>6-1.04 BUY AMERICA</b>		
6-1.04B	Crumb rubber	COC
6-1.04C	Steel and iron materials	COC + cert. mill test reports
<b>11-2 WELDING QUALITY CONTROL</b>		
11-2.03D	Welding	COC
<b>12-3 TEMP. TRAFFIC CONTROL DEVICES</b>		
12-3.03A(3)	Plastic traffic drums	COC
12-3.20A(3)	Type K temporary railing	COC
12-3.23A(3)	Attenuator	COC
12-3.32A(3)	Portable CMS	COC
<b>13-2 WATER POLLUTION CONTROL PROGRAM</b>		
<b>13-9 TEMP. CONCRETE WASHOUTS</b>		
13-9.01C	Fabric bags for gravel-filled bags	COC
	Plastic liner	COC
<b>13-10 TEMP. LINEAR SEDIMENT BARRIERS</b>		
13-10.01C	Fiber rolls	COC
	Silt fence fabrics	COC
	Sediment filter bags	COC
	Foam barriers	COC
	Fabric for gravel-filled bags	COC
<b>16-2.03 TEMP. HIGH-VISIBILITY FENCES</b>		
16-2.03A(3)	High-visibility fabric	COC
<b>18 DUST PALLIATIVES</b>		
18-1.01C	Dust suppressant	COC
	Dust control binders	COC
	Fibers	COC
<b>20 LANDSCAPE</b>		
<b>20-2 IRRIGATION</b>		
20-2.08A(3)	Polyethylene pipe	COC
	Plastic pipe supply line	COC

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<b>20-3 PLANTING</b>		
20-2.08A(3)	Sod	COC
	Soil amendment	COC
<b>20-5 LANDSCAPE ELEMENTS</b>		
20-5.03A(1)(c)	Filter fabric	COC + product data
20-5.03D(1)(c)	Solidifying emulsion	COC + product data & samples
20-5.04A(3)	Wood mulch	COC + sample & authorization
<b>21-2 EROSION CONTROL WORK</b>		
21-2.01C(1)	Straw	COC
	Weed-free straw	COC + cert. of quarantine
	Fiber	COC
	RECP	COC
	Fasteners	COC
	Hydraulically applied erosion control materials	Submit records
21-2.01C(2)	Compost	Submit reports
21-2.01C(3)	Seed	Submit reports
21-2.01C(4)	Tackifier	COC
	Bonded fiber matrix	COC
<b>24 STABILIZED SOILS</b>		
24-1.01C(1)	Stabilizing agent	COC + sample
<b>24-3 CEMENT STABILIZED SOIL</b>		
24-3.01C	Cement	COC + sample
<b>36-2 BASE BOND BREAKER</b>		
36-2.01C	Base bond breaker	COC
<b>37 BITUMINOUS SEALS</b>		
37-1.01C	Asphalt binder	COC + test results
	Asphalt emulsion	COC + test results
<b>37-3 SLURRY SEALS AND MICRO-SURFACINGS</b>		
37-3.01A(3)	Asphaltic emulsion	COC + samples & test results
	Polymer modified asphaltic emulsion	COC + samples & test results
	Micro-surfacing emulsion	COC + sample & test results
<b>37-2.04 ASPHALT RUBBER BINDER CHIP SEALS</b>		
37-2.04A(3)	Asphalt rubber binder ingredients	COC + permits & submittals

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<b>37-5 PARKING AREA SEALS</b>		
37-5.01C	Parking area seal material	COC + sample & test results
<b>37-6 CRACK TREATMENTS</b>		
37-6.01C	Crack treatment materials	COC or sample & test results
<b>39-2 HOT MIX ASPHALT</b>		
39-2.01A(3)(f)	Liquid antistrip	COC + sample & production data
39-2.03A(3)(c)	Crumb rubber modifier	COC + test results
	Asphalt modifier	COC + test results
39-2.05A(1)(c)	Asphaltic emulsion	COC + test results
<b>40 CONCRETE PAVEMENT</b>		
40-1.01C(2)	Tie bars	COC
	Splice couplers for threaded bars	COC
	Dowel bars	COC
	Tie bar baskets	COC
	Joint filler	COC
	Epoxy-powder coating	COC
<b>41 EXISTING CONCRETE PAVEMENT</b>		
<b>41-5 JOINT SEALS</b>		
41-5.01C	Liquid joint sealant	COC + SDS & instructions
	Backer rods	COC + SDS & instructions
	Compression joint seal	COC + SDS & instructions
	Lubricant adhesives	COC + SDS & instructions
<b>41-10 DRILL AND BOND BARS</b>		
41-10.01C	Tie bars	COC
	Dowel bars	COC
	Dowel bar lubricant	COC
	Chemical adhesive	COC
	Epoxy powder coating	COC
<b>48-2 FALSEWORK</b>		
48-2.01C(1)	Structural composite lumber	COC + submittals
<b>49-2 DRIVEN PILING</b>		
49-2.02A(3)(d)	Steel pipe piles	COC + tests & mill reports
49-2.03A(3)	Structural shape steel piling	COC + test reports

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<b>51 CONCRETE STRUCTURES</b>		
51-1.01C(3)	Bonding materials	COC or sample & authorization
<b>51-2 JOINTS</b>		
51-2.01A(3)	Polyethylene material for snowplow deflectors	COC
51-2.02B(1)(c)	Sealant	COC + test reports & samples
51-2.02C(1)(c)	Elastomeric joint seal	COC + test reports
	Lubricant-adhesive	COC + test reports
51-2.02D(1)(c)	Joint seal materials	COC + authorization
51-2.02E(1)(c)(iii)	Joint seal assembly materials	COC
51-2.02F(1)(c)(iv)	Material used in the joint seals	COC + test reports
51-2.04A(3)	Waterstop material	COC + a statement
<b>51-3 BEARINGS</b>		
51-3.02A(3)(c)	Elastomer for bearing pads	COC + test reports
<b>51-4 PRECAST CONCRETE MEMBERS</b>		
51-4.01C(1)	Concrete box culvert	COC
<b>52 REINFORCEMENT</b>		
52-1.01C(3)	Reinforcement (rebar)	COC + mill test report
<b>52-2 EPOXY-COATED REINFORCEMENT</b>		
52-2.02A(3)(c)	Epoxy-coated reinforcement	COC + submittals
	Patching material	COC + a statement
52-5.01C(4)	Headed bar reinforcement	COC + test reports
<b>52-6 SPLICING</b>		
52-6.01C(5)	Service or butt splice material	COC + submittals
<b>54 WATERPROOFING</b>		
<b>54-3 PREFORMED MEMBRANE WATERPROOFING</b>		
54-3.01C	Prefomed membrane sheet	COC + report
<b>54-5 DECK SEAL</b>		
54-5.01C	Prefomed membrane sheet	COC + report
<b>57-2 WOOD STRUCTURES</b>		
57-2.01A(3)	Timber and lumber	COC + report
	Glued laminated timbers/decking	COC
<b>57-3 PLASTIC LUMBER STRUCTURES</b>		
57-3.01C(1)	Plastic lumber	COC + test report & sample

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<b>58-2 MASONRY BLOCK</b>		
58-2.01C(7)	CMUs	COC
	Aggregate for grout	COC
	Grout	COC
<b>59 STRUCTURAL STEEL COATINGS</b>		
59-1.01C	Blast cleaning material	COC + SDS
<b>59-5 THERMAL SPRAY COAT STRUCTURAL STEEL</b>		
59-5.01C(1)	Wire feedstock	COC
<b>60-3.04B POLYESTER CONCRETE OVERLAYS</b>		
60-3.04B(1)(c)	Methacrylate resins	COC + samples & test report
	Polyester resins	COC + samples & test report
	Aggregates	COC + samples & test report
<b>61-2 CULVERT AND DRAINAGE PIPE JOINTS</b>		
61-2.01C	Joint systems	COC + test results & reports
	Couplers	COC
<b>64 PLASTIC PIPE</b>		
64-1.01C	Plastic pipe	COC + report
<b>65-2 REINFORCED CONCRETE PIPE</b>		
65-2.01C	RCP, direct design method	COC + report
<b>66 CORRUGATED METAL PIPE</b>		
66-1.01C	Corrugated steel materials	COC
	Corrugated aluminum materials	COC
<b>67-3 METAL LINE PLATE PIPE</b>		
67-3.01C	Metal liner plate pipe	COC + mill test reports
<b>68 SUBSURFACE DRAINS</b>		
68-1.01C	Subsurface drain	COC
<b>68-2 UNDERDRAINS</b>		
68-2.01C	Pipe	COC
	Tubing	COC
	Fittings	COC
<b>68-7 GEOCOMPOSITE DRAIN SYSTEMS</b>		
68-7.01C	Geocomposite drain	COC + flow capability graph

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<b>69 OVERSIDE DRAINS</b>		
69-1.01C	Steel pipe piles	COC
	Aluminum	COC
	Plastic	COC
<b>70-6 GRATED LINE DRAINS</b>		
70-6.01C	Grated line drains	COC + docu. & inspec. report
<b>71-3.09 MACHINE SPIRAL WOUND PVC PIPELINERS</b>		
71-3.09A(1)(c)	Reel of PVC strip	COC + report
<b>72-16 GABIONS</b>		
72-16.01C	Gabion basket	COC
	PVC coating	COC + identify
<b>75-3 MISCELLANEOUS BRIDGE METAL</b>		
75-3.01C(1)	Anchorage devices	COC
<b>75-3.01C(2) BRIDGE DECK DRAINAGE SYSTEM</b>		
75-3.01C(2)	Fiberglass pipe and fittings	COC
<b>80-3 CHAIN LINK FENCES</b>		
80-3.01C	Protective coating system	COC
	Posts and braces	COC + test results
<b>81 MISCELLANEOUS TRAFFIC CONTROL DEVICES</b>		
<b>81-2 DELINEATORS</b>		
81-2.01C	Metal target plates	COC
	Enamel coating	COC
<b>81-3 PAVEMENT MARKERS</b>		
81-3.01C	Pavement markers	COC
<b>82 SIGNS AND MARKERS</b>		
<b>82-2 SIGN PANELS</b>		
82-2.01C	Aluminum sheeting	COC
	Retroreflective sheeting	COC
	Screened-process colors	COC
	Nonreflective, opaque, black film	COC
	Protective overlay film	COC

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<b>82-5 MARKERS</b>		
82-5.01C	Metal target plates	COC
	Enamel coating	COC
	Retroreflective sheeting	COC
<b>83-3 CONCRETE BARRIERS</b>		
83-3.01C	Type 60K portable concrete barrier	COC or test reports
<b>84-2 TRAFFIC STRIPES AND PAVEMENT MARKINGS</b>		
84-2.01C	Thermoplastic	COC + autho., SDS & data sheet
	Paint	COC + autho., SDS & data sheet
	Glass beads	COC + autho., SDS & data sheet
	Thermoplastic primer	COC + test results
<b>DIVISION X ELECTRICAL WORK</b>		
86-1.01C(6)	Signal heads	COC + test data
	Visors	COC + test data
<b>87-2 LIGHTING SYSTEMS</b>		
87-2.01C	High mast lighting luminaires	COC + test data
<b>90 CONCRETE</b>		
90-1.01C(3)	Cementitious materials	COC + app. signature
	Blended cement	COC + app. signature
90-1.01C(4)	Admixture	COC + authorization
90-1.01C(5)	Curing compound	COC + test samples
<b>90-2 MINOR CONCRETE</b>		
90-2.01C	Minor concrete	COC + weighmaster cert
<b>90-3 RAPID STRENGTH CONCRETE</b>		
90-3.01C(3)	Aggregate	COC + certified weight
	Cementitious materials	COC + certified weight
	Admixtures	COC + certified weight
<b>90-4 PRECAST CONCRETE</b>		
90-4.01C(2) and 90-4.01D(2)(a)	Cementitious materials	COC + app. signature
	Precast members (each)	COC + app. signature
	Curing compound	COC + test samples
<b>94 ASPHALTIC EMULSIONS</b>		
94-1.01C	Asphaltic emulsion	COC + reports

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<b>95 EPOXY</b>		
95-1.01C	Epoxy	COC
<b>96 GEOSYNTHETICS</b>		
95-1.01C(1)	Geosynthetic	COC + test samples

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