



# California Department of Transportation

## Authorization Criteria for

### Accessible Pedestrian Signals

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**General:** The procedure below outlines the Authorization Criteria requirements for adding a product to the Accessible Pedestrian Signals Authorized Materials List.

#### **Accessible Pedestrian Signal Authorization Criteria:**

All accessible pedestrian signals to be used by the State of California Department of Transportation shall be on the Caltrans Authorized Material List before incorporation into any construction project. Authorization of this material requires the following:

#### **Manufacturer/Supplier Submittal Checklist:**

1. Completed [Authorized Material List Submittal Form \(TL 9502\)](#).
2. Application for use (from Caltrans Specifications).
3. Test Report from a Nationally Recognized Testing Laboratory (NRTL), verifying the following parameters:
  - California MUTCD, chapter 4E compliance.
  - Fail Safety Operation- Feature that activates the pedestrian phase during any failure without causing the pedestrian phase to be on RECALL.
  - The housing for the signal assembly must be made of corrosion-resistant material. Theft-proof bolts used for mounting the housing to the standard must be stainless steel with a minimum content of 17 percent chromium and 8 percent nickel. The housing must be shaped to fit the pole's curvature.
  - The color of a metallic housing must match color no. 33538 of FED-STD-595.
  - The color of a plastic housing must match color no. 17038, 27038, or 37038 of FED-STD-595.
  - Have electronic switches, a potentiometer, or an access port for a device for controlling and programming the volume level and messaging.
  - Be weatherproof and shockproof.
  - Have an internal weatherproof speaker and microphone that senses the ambient sound level.
  - Specification required operational functionality
    - Audible speech message that plays when the push button is activated. The accessible pedestrian signal must have at least 5 audible message options.
    - Push button locator tone that clicks or beeps.
  - Feature that activates the pedestrians phase during any failure without causing the pedestrian phase to be on RECALL.
  - APS must function with the Department-furnished Model 170E/2070E controller assembly.
4. Product specification sheet.
5. Certificate of Compliance signed document. See Caltrans Standard Specification 86-1.02T, Accessible Pedestrian Signals, for a full list of requirements.
6. Caltrans failsafe operation identifier(s) – Identify model with Caltrans Failsafe operation.
7. Description of Manufacturers Quality Control Procedures.
8. Two Accessible Pedestrian Signal (APS) samples for each submittal.

**Note:** Caltrans reserves the right to remove a product from the Authorized Materials List at any time

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Provide an electronic copy of the requested documentation above and send it to **New Products** at [new.products@dot.ca.gov](mailto:new.products@dot.ca.gov).

Ship the requested accessible pedestrian signal samples to the Caltrans Transportation Laboratory in Sacramento:

California Department of Transportation  
Materials Engineering and Testing Services  
MS #5: Electrical Testing Branch  
ATTN: Craig Fearn  
5900 Folsom Boulevard  
Sacramento, CA 95819-4612

### Upon receipt, Caltrans will:

- Ensure all required documentation is received.
- Review the technical information.
- Evaluate submitted samples for Compliance with current Caltrans Specifications. Caltrans testing will verify the functionality, electrical and physical/mechanical performance of the Accessible Pedestrian Signal per 2015 Caltrans Standard Specifications, Revised Standard Specification, Section 86-1.02T Accessible Pedestrian Signals.
- Upon evaluation of the submitted technical information and Caltrans test results, we will issue an acceptance letter valid for two years or a rejection letter.
- Update the Caltrans Authorized Material List, if applicable.

### Reauthorization of Existing Products

Manufacturer/supplier must submit a reauthorization package before the end of the listed expiration date. All items required are listed under the “Manufacturer/Supplier Submittal Checklist”. Please send the reauthorization package documentation to Daniel Leong ([Daniel.l.leong@dot.ca.gov](mailto:Daniel.l.leong@dot.ca.gov)) or Phil Fong ([phil.fong@dot.ca.gov](mailto:phil.fong@dot.ca.gov)) and the Accessible Pedestrian Signal samples to the address listed above. Packages must be received 90 days prior to the expiration date to maintain an existing product on the AML.

For more information, you may contact the Department of Engineering Services, Office of Roadway Materials Testing, Electrical Testing Branch: Daniel Leong at (916) 227-7063 email: [Daniel.l.leong@dot.ca.gov](mailto:Daniel.l.leong@dot.ca.gov) and/or Phil Fong at (916) 227-7069 email: [phil.fong@dot.ca.gov](mailto:phil.fong@dot.ca.gov)

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