

**SACRAMENTO SOUTHERN RAILROAD SIGNAL DEPARTMENT**  
**111 'T' STREET, SACRAMENTO, CALIFORNIA 95814-2265**

**ANNUAL INSPECTION AND TEST CHECK LIST**

DATE: \_\_\_\_\_

WARNING SYSTEM NAME: \_\_\_\_\_ DOT No.: \_\_\_\_\_

- Inspect and Clean Flashing Light Fixture, roundels (lens), backgrounds and visors.
  - Paint backgrounds and visors as necessary.
- Inspect and Clean Flashing Light Fixture reflectors.
- Inspect and tighten Flashing Light Fixture wire connections.
- Align Flashing Light Fixtures. EB: \_\_\_\_ WB: \_\_\_\_
- Check/Count Number of Flashes per Minute: FPM are: \_\_\_\_\_ Required: 35 to 65 FPM
- Inspect Cross Buck Signs.
- Inspect and clean Gate Arms.
  - Inspect reflective material and for horizontal position.
  - Inspect Gate connection to Mech including tightness of all bolts
- Inspect and clean Gate Arm Light Fixtures.
- Inspect Gate Arm Light Fixture Cable and secure as necessary.
- Test Furthest Gate Arm Tip Light Fixture voltage at farthest junction box.
  - Greater then 8.5 volts?
  - Voltage Reading is: AC: \_\_\_\_\_ DC: \_\_\_\_\_
- Inspect Mechanism Cases.
  - Cracked or need repair: No: \_\_\_\_ Yes EB: \_\_\_\_ Yes WB: \_\_\_\_
  - Paint cases as necessary.
- Inspect Mechanism Gears. Clean away sloppy grease and apply new grease.
- Inspect Cam Switch Mechanism. Clean as necessary and/or apply new lube.
- Inspect Hold Clear Device.
  - Release all the way down?
  - Engages when fully raised?
- Gate Gong works: No: \_\_\_\_ Yes: \_\_\_\_
- Should be done: Inspect and lube Gate Gone.
- A-Gate Gong works: No: \_\_\_\_ Yes: \_\_\_\_
- Should be done: Inspect and lube A-Gate Gong.
- 3 Second delay before gates start to drop: No: \_\_\_\_ Yes: \_\_\_\_
- North Approach Train Timing:
  - 20 Seconds from start of Flashing Lights on until train touches side of roadway?
  - Actual Recorded Time: \_\_\_\_\_
  - Gates down 5 seconds before train touches side of roadway?
- South Approach Train Timing:
  - 20 Seconds from start of Flashing Lights on until train touches side of roadway?
  - Actual Recorded Time: \_\_\_\_\_
  - Gates down 5 seconds before train touches side of roadway?
- Verify Timing Delay of Timers. Set for: \_\_\_\_\_ Actual: \_\_\_\_\_
- Clean Instrument House or Cabinet and vacuum
- Remove tree limbs and shrubs blocking auto traffic view of Lights and Gates.
- Inspect Roadway RR Painting. Okay: No: \_\_\_\_ Yes: \_\_\_\_

= If Not Applicable - Put X in box.

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**TOOLS/MATERIALS/CONSUMABLES CHECK LIST**

DATE: \_\_\_\_\_

WARNING SYSTEM NAME: \_\_\_\_\_ DOT No.: \_\_\_\_\_

- Water for cleaning. Fill Spray Bottles.
- Empty clean coffee cans. Bring two minimum.
- Windex for roundel (lens) and reflector cleaning.
- Roundel (lens) Polish: Kens Cleaner Polish Gel-Gloss or Zep Cleaner \*
- Simple Green or 409 for Light Fixture body, background and visor cleaning.
- Soft clean cloths for cleaning. Should bring two per fixture minimum.
- Dirty rag/cloth receptacle. If open bring something to keep from blowing out.
- Gate Mechanism grease. Safetran Gate Grease from Signal Office
- Cam Switch lube. A Silicone Based lube.
- Gong lube oil.
- Grease Gun with grease. For Enclosure hinges.
- Battery grease.
- Black Matte spray paint.
- Silver spray paint.
- Hornet Spray/Ant Spray/Spider Spray/Weed (Roundup) Spray.
- Stop Watch. (We have two in the desk)
- Analog Volt Ohm Meter (Simpson TS-111-3)
- Digital Voltmeter.
- 1 Two Foot Step Ladder.
- 2 Six Foot Step Ladders.
- 2 Eight Foot Step Ladder.
- 1 Extension Ladder (If servicing Gongs and not on Cantilever).
- Ropes and Tool Holder to lift any tools to Cantilever.
- Railroad Radios (Communication with Locomotive Engineer for timing).
- Talkabout Radios
- Traffic Cones.
- Traffic Flagman Sign: "SLOW" - "STOP"
- Traffic Street Signs if required (Men Working, Flagman, Lane Closed)
- Signalmen's Track Shunt.
- Electrical Jumpers.
- Card to open a Cam Switch if required.
- 1/2" Nut Driver.
- 9/16" Wrench Sets.
- Complete Ratchet and Socket Set.
- Large Wrench Sets.
- Pruning tools.
- Vacuum Cleaner.
- Test Log Book.
- Signal Department Keys.

\* Suggested by Russ Holder of Quality Signal