

TRAFFIC SIGNAL MAINTENANCE GUIDELINES



TRAFFIC SIGNAL ELECTRICIAN (ANNUAL INSPECTION)

1. CONTROLLER CABINETS
 - a. CHECK TIMING IN 170/NEMA CONTROLLER AGAINST TIMING SHEET; ALL PAGES
 - b. CHECK INTERNAL CONTROLLER BATTERY
 - c. CHECK 24 VOLT POWER SUPPLY
 - d. CHECK ALL DETECTION FOR PROPER OPERATION
 - e. CHECK CABINET FAN AND LIGHT
 - f. CHECK POLICE PANEL LOCK
 - g. CHECK CABINET DOCUMENTATION
 - h. CHECK BBS IF APPLICABLE
 - i. VACUUM / REPLACE FILTERS AS NECESSARY
2. SERVICE
 - a. CHECK SUPPLY VOLTAGE
 - b. CHECK C.B. CONNECTIONS
 - c. CLEAN / BRUSH OUT SERVICE
 - d. CHECK GROUND ROD CONNECTION
3. SIGNAL HEADS
 - a. ALIGNMENT
 - b. BACK PLATES (LOUVERED OR NOT)
 - i. WHEN REPORTING ALSO NOTE IF (SPECIAL CUT-OFF VISORS, PROG. VIS., ANY OTHER SPECIALS)
 - c. ALL LAMPS (ALL INDICATIONS OPERATING INCLUDING ADVANCE)
 - d. OVERALL CONDITION (INCLUDE MANUFACTURER WHEN REPORTING)
 - e. REPLACE OR REPAIR AS NECESSARY
4. PED HEADS
 - a. INDICATIONS
 - b. ALIGNMENT
 - c. OVERALL CONDITION (INCLUDING FLICKERING, MANUFACTURER WHEN REPORTING, ETC.).
 - d. REPLACE OR REPAIR AS NECESSARY
5. SIGNAL STANDARDS
 - a. ANY SIGNS OF DAMAGE OR MISSING PARTS
 - b. CONDITION OF HARDWARE
 - c. REPLACE HAND HOLE COVERS
 - d. REPORT DAMAGE
6. PUSH BUTTONS
 - a. CONDITION OF HARDWARE
 - b. REPLACE OR REPAIR AS NECESSARY
7. PULL-BOXES AND COVERS
 - a. CONDITION
 - b. SIZE AND TYPES OF COVERS
 - c. REPLACE OR REPAIR AS NECESSARY
8. STREET NAME SIGNS
 - a. OVERALL CONDITION

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9. HIGHWAY SAFETY LIGHTS
 - a. STUCK ON
 - b. WATTAGE (LOCATE ON FIXTURE)
 - c. REPORT ANY DAMAGE

10. LOOPS
 - a. OVERALL CONDITION OF LOOPS AND PAVEMENT

11. OVERALL OPERATION OF INTERSECTION

12. SIGNS / STRIPING SUPPORTING TRAFFIC SIGNALS
 - a. CONDITION OF EXISTING SIGNS
 - b. LOOK FOR STRAPS WITHOUT SIGNS (INDICATING MISSING SIGNS)