

## TRAFFIC SIGNAL / STREET LIGHTING NOTES

### A. NEW EQUIPMENT

1. A DISCONNECT BREAKER FOR EACH CIRCUIT SHALL BE INSTALLED IN A RAINPROOF (NEMA 3R), LOCKED CABINET ON THE SIDE OF THE STRAIN POLE BELOW THE METER SOCKET. USE OPTION #5 ON STD E-175.
2. ADD TO THE EXISTING CABINET APPROPRIATE EQUIPMENT FOR A FUTURE PHONE DROP. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, AN INTERSECTION MONITOR, PHONE JACK AND MODEM. THE NEW EQUIPMENT SHALL BE COMPATIBLE WITH THE EXISTING ECONOLITE ASC 8000 CONTROLLER. THE CONTRACTOR MUST VERIFY WHAT IS REQUIRED FOR THE FUTURE PHONE DROP AND INCLUDE ALL NECESSARY EQUIPMENT IN HIS BID PRICE.

### B. PULLBOXES AND JUNCTION BOXES

1. PULLBOXES AND JUNCTION BOXES ARE DETAILED ON STD E-173.
2. THE LOGO ON THE PULLBOX SHALL BE 'SIGNAL'.

### C. TRAFFIC SIGNAL CONDUIT

1. ALL TRAFFIC SIGNAL CONDUIT SHALL BE PVC.
2. MINIMUM CONDUIT SIZES SHALL BE:
  - A) 1-1/2" FOR LOOP LEAD-INS.
  - B) 2" FOR ALL OTHERS, OR AS SHOWN ON THE PLANS.
 SEE CHART ON STD E-172 FOR DESIGN VALUES

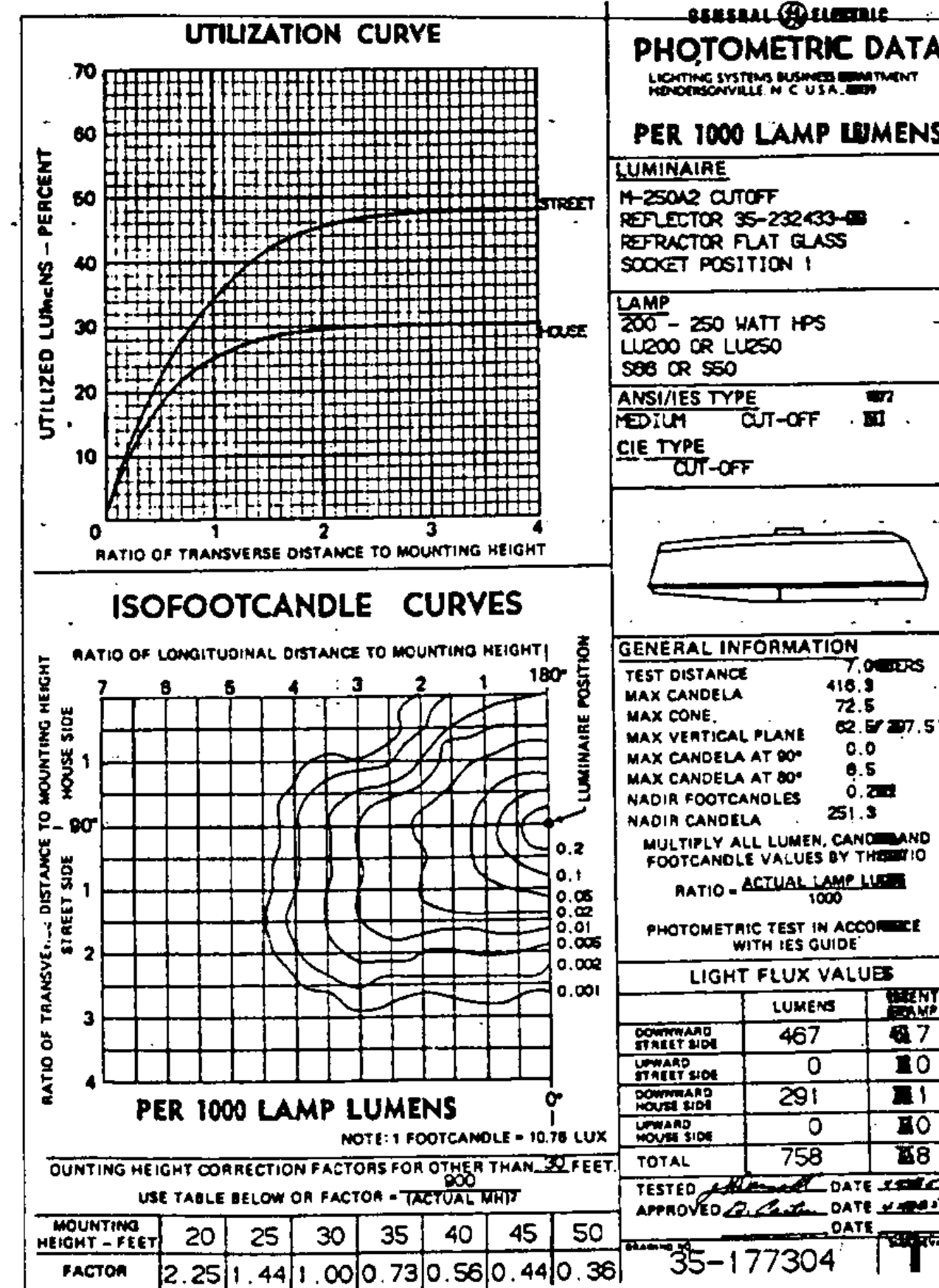
### D. VEHICLE LOOP DETECTORS - SEE STD E-172

### E. STREET LIGHTING

1. STRAIN POLE #2 AND THE RELOCATED UTILITY POLE ON THE NORTH SIDE SHALL EACH HAVE A 250 WATT HIGH PRESSURE SODIUM LUMINAIRE, INSTALLED AT A 33' ± MOUNTING HEIGHT ABOVE THE PAVEMENT.  
  
THE LIGHT DISTRIBUTION IS BASED ON GENERAL ELECTRIC PHOTOMETRIC DATA DRAWING #35-177304, MEDIUM CUT-OFF, TYPE III DISTRIBUTION, DATED 4/25/85. THIS DATA SHEET WAS USED FOR DESIGN PURPOSES ONLY. OTHER MANUFACTURER'S PRODUCTS MAY BE USED IF THE INSTALLED LUMINAIRE LIGHT UTILIZATION AND MINIMUM FOOTCANDLES ON THE ROADWAY AND SHOULDER ARE AT LEAST AS GREAT AS THAT FOR THE DESIGN PHOTOMETRIC DATA SHEET.
2. THE STREET LIGHT ON STRAIN POLE #2 SHALL UTILIZE THE SAME POWER SOURCE AS THE TRAFFIC SIGNAL BUT WITH A SEPARATE DISCONNECT BREAKER.

### F. GENERAL

1. THE CONTRACTOR SHALL ACQUIRE ALL NECESSARY PERMITS AND MAKE ALL NECESSARY ARRANGEMENTS WITH THE UTILITY COMPANY TO PROVIDE A PERMANENT POWER SUPPLY TO THE SIGNAL AND STREET LIGHTING EQUIPMENT. THE ROUTING OF POWER TO THE INTERSECTION SHALL BE SUCH THAT THE STATE HAS FULL RESPONSIBILITY FROM THE TRANSFORMER THROUGH THE SIGNAL. NO INTERVENING OWNERSHIP/ RESPONSIBILITY SHALL BE ALLOWED.
2. THE CONTROLLER ID PLAQUE DETAIL IS SHOWN ON THIS SHEET.
3. SEE SUPPLEMENTAL SPECIFICATIONS FOR SECTIONS 678, 679, 752 & 753 FOR ADDITIONAL INFORMATION.



DESIGN PHOTOMETRIC

### CONTROLLER IDENTIFICATION PLAQUE

PROPERTY OF :  
**VT. AGENCY OF TRANS.  
MAINTENANCE DIV.**

IN EMERGENCY CALL :  
**DIST. TRANS. OFFICE  
828-2691**

**NIGHTS & WEEKENDS : 229-9191**

**INTERSECTION NO. MS-601**

LEGEND: - BLACK (NON-REFL.) - STAMPED PRIOR TO PAINTING  
BACKGROUND: NATURAL ALUMINUM OR BRASS SURFACE

#### NOTES:

- 1.) THE PLAQUE SHALL BE MOUNTED ON ALL TRAFFIC SIGNAL CONTROLLER CABINETS. IT SHALL BE FASTENED TO THE CONTROLLER CABINET IN SUCH A MANNER AS TO BE NOT EASILY REMOVED, SUCH AS WELDED, RIVETED OR BOLTED WITH VANDAL PROOF BOLTS.
- 2.) THE LETTERS SHALL BE PUNCHED OR STAMPED. SUCH STAMPING SHALL PENETRATE AT LEAST 1/2 THE BASE MATERIAL THICKNESS.
- 3.) THE BASE MATERIAL FOR THE PLAQUE SHALL BE BRASS OR ALUMINUM WITH A MINIMUM THICKNESS OF 0.100 INCHES.

**SIGNAL /  
LIGHTING  
NOTES &  
DETAILS**

PREPARED BY LKA DATE 4/93  
CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_  
DESIGN SUPERVISOR \_\_\_\_\_ DATE \_\_\_\_\_  
PROJ. **MONTPELIER**  
**F EGC-F 028-2(8)**  
TRAFFIC SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_  
SHEET 55 OF 118 SHEETS