

THE NOTES ON THIS SHEET APPLY TO THE OVERHEAD FLASHING SYSTEM.

GENERAL NOTES

- 1.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE APPROPRIATE UTILITY COMPANY AND HAVING THE POWER CONNECTED AND METER INSTALLED, INCLUDING ALL COSTS OF PROVIDING POWER FOR THE NEW SYSTEM SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR UNTIL SUCH TIME AS THE SYSTEM IS ACCEPTED BY THE STATE. (SEE NOTE #2).
- 2.) BLANK
- 3.) THE FLASHER UNIT SHALL INCLUDE A RADIO INTERFERENCE FILTER AND A SURGE PROTECTION UNIT.
- 4.) ALL WORK SHALL MEET THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE AND STATE INSPECTOR.
- 5.) THE EXISTING OVERHEAD FLASHING BEACON AND SPAN WIRE SHALL NOT BE REMOVED UNTIL ALL NEW BEACONS HAVE BEEN INSTALLED AND ARE WORKING PROPERLY. THE COST OF REMOVING THE EXISTING SYSTEM SHALL BE INCLUDED AS A PART OF THE NEW SYSTEM.
- 6.) THE POWER SOURCES FOR THE FLASHERS FOR THE SIGNS, AS NOTED IN NOTE #2 OF THE FLASHING BEACON (MODIFIED) NOTES, AND THE OVERHEAD FLASHING BEACON SYSTEM SHALL BE THROUGH THE EXISTING METER WHICH IS MOUNTED ON THE SIDE OF THE UTILITY POLE AT STATION 551+ 20 LT. THE CONTRACTOR SHALL SUPPLY A NEW METER BASE AND NEW CONDUIT (2" PVC) WHICH SHALL EXTEND DOWN THE POLE AND UNDERGROUND TO PULLBOX 2. THE POWER SHALL RUN UNDERGROUND IN 2" PVC CONDUIT TO SIGNAL STRAIN POLE # 1. THE COST OF PROVIDING THE METER BASE, FLASHER CABINET AND ELECTRICAL WIRING INCLUDING ALL INCIDENTALS NECESSARY TO GET POWER TO THE FLASHER CABINET SHALL BE CONSIDERED A PART OF THE OVERHEAD FLASHING BEACON SYSTEM.

EQUIPMENT NOTES

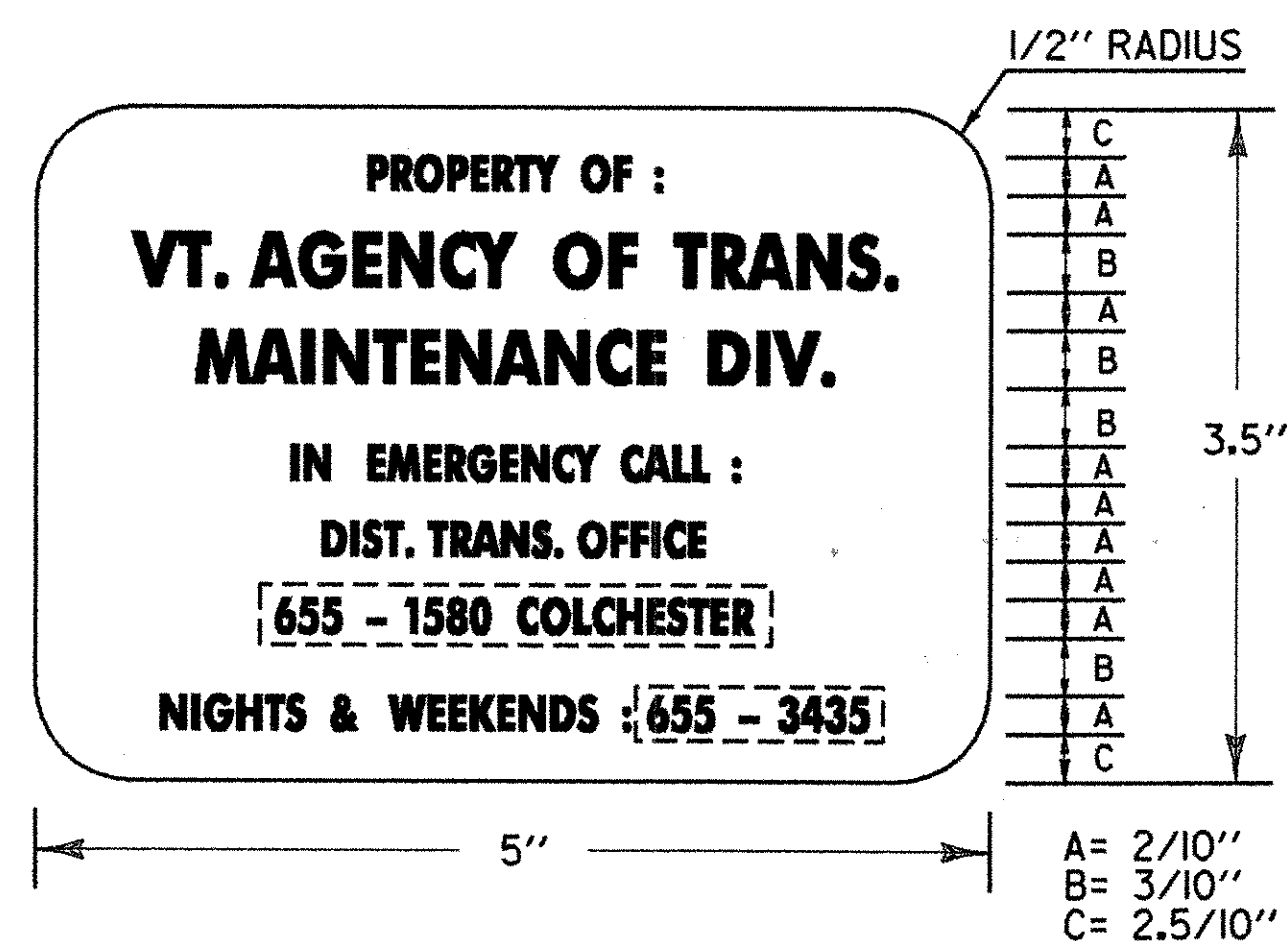
- 1.) THE SIGNAL HEADS SHALL CONSIST OF FOUR - WAY SINGLE SECTION 3- M PROGRAMMABLE (UNMASKED) UNITS. THEY SHALL BE MOUNTED USING DISCONNECT AND STAINLESS STEEL BUSHED BALANCE ADJUSTER FITTINGS. THE HOUSING SHALL BE FEDERAL YELLOW WITH FLAT BLACK DOORS AND VISORS.
- 2.) ELECTRICAL CABLE SHALL BE ATTACHED TO THE SPAN WIRE WITH STAINLESS STEEL LASHING WIRE (ALLOY 430).
- 3.) THE FLASHER UNIT SHALL BE HOUSED IN A POLISHED ALUMINUM CABINET WITH A # 2 LOCK. A 100 AMP DISCONNECT BOX SECURED WITH A MASTER LOCK # 3220, SHALL BE MOUNTED ON THE FLASHER CABINET. THE FLASHER CABINET SHALL BE MOUNTED ON STRAIN POLE # 1.
- 4.) THE LUMINAIRE SHALL BE 250 - W HIGH PRESSURE SODIUM OF A MEDIUM CUT - OFF TYPE II. SEE PHOTOMETRIC DATA ON THIS SHEET. THE POWER FOR THIS UNIT SHALL BE THROUGH THE SAME METER AS THE FLASHING BEACONS.
- 5.) THE FLASHER CABINET SHALL BE LARGE ENOUGH SO AS TO HOUSE THE FLASHER FOR THE OVERHEAD FLASHING SYSTEM AND THREE SEPERATE FLASHERS FOR THE FLASHING BEACONS ON THE "STOP AHEAD" AND "STOP" SIGNS. (THE FOURTH STOP AHEAD BEACON UNIT RUNS OFF A SEPERATE POWER SOURCE.

SHOP DRAWING SUBMITTAL

THE MANUFACTURER SHALL SUBMIT FOR APPROVAL SHOP DRAWINGS FOR THE FLASHING BEACON SYSTEM. THE SUBMITTAL SHALL CONTAIN A MINIMUM OF THE FOLLOWING:

- A.) SOLID STATE FLASHER
MANUFACTURER, MODEL, TYPE, ASSURANCE OF CONFORMANCE TO NEMA STANDARDS. NO BENCH TEST IS REQUIRED.
- B.) FLASHING BEACON HEADS
MANUFACTURER MODEL, LAMP WATTAGE, WIRING, HOUSING MATERIAL AND COLOR. THE HEADS SHALL MEET ITE STANDARDS.
- C.) FLASHER CABINET
SIZE, MANUFACTURER, ACCESSORIES, MATERIALS AND FINISH.
- D.) STRAIN POLES, ANCHOR BOLTS
SEE NOTES ON STRAIN POLE DETAIL SHEET.
- E.) LUMINAIRE
 - 1.) FIXTURES
 - a.) voltage rating
 - b.) wattage and lamp type
 - c.) ballast type
 - d.) photo cell
 - 2.) PHOTOMETRIC DATA
 - a.) IES distribution type
 - b.) utilization curve
 - c.) ISO - footcandle curves
 - d.) maintenance

CONTROLLER IDENTIFICATION PLAQUE



LIST OF MAJOR EQUIPMENT

EQUIPMENT	QUANTITY
STRAIN POLES	1
NEW 12" TRAFFIC SIGNAL HEADS WITH VISORS, DISCONNECT HANGERS & MOUNTING HARDWARE 3-M PROGRAMMABLE - UNMASKED 4-WAY SINGLE SECTION	2
* SOLID STATE FLASHER, DUAL CIRCUIT, W/CABINET	1
LUMINAIRE	1

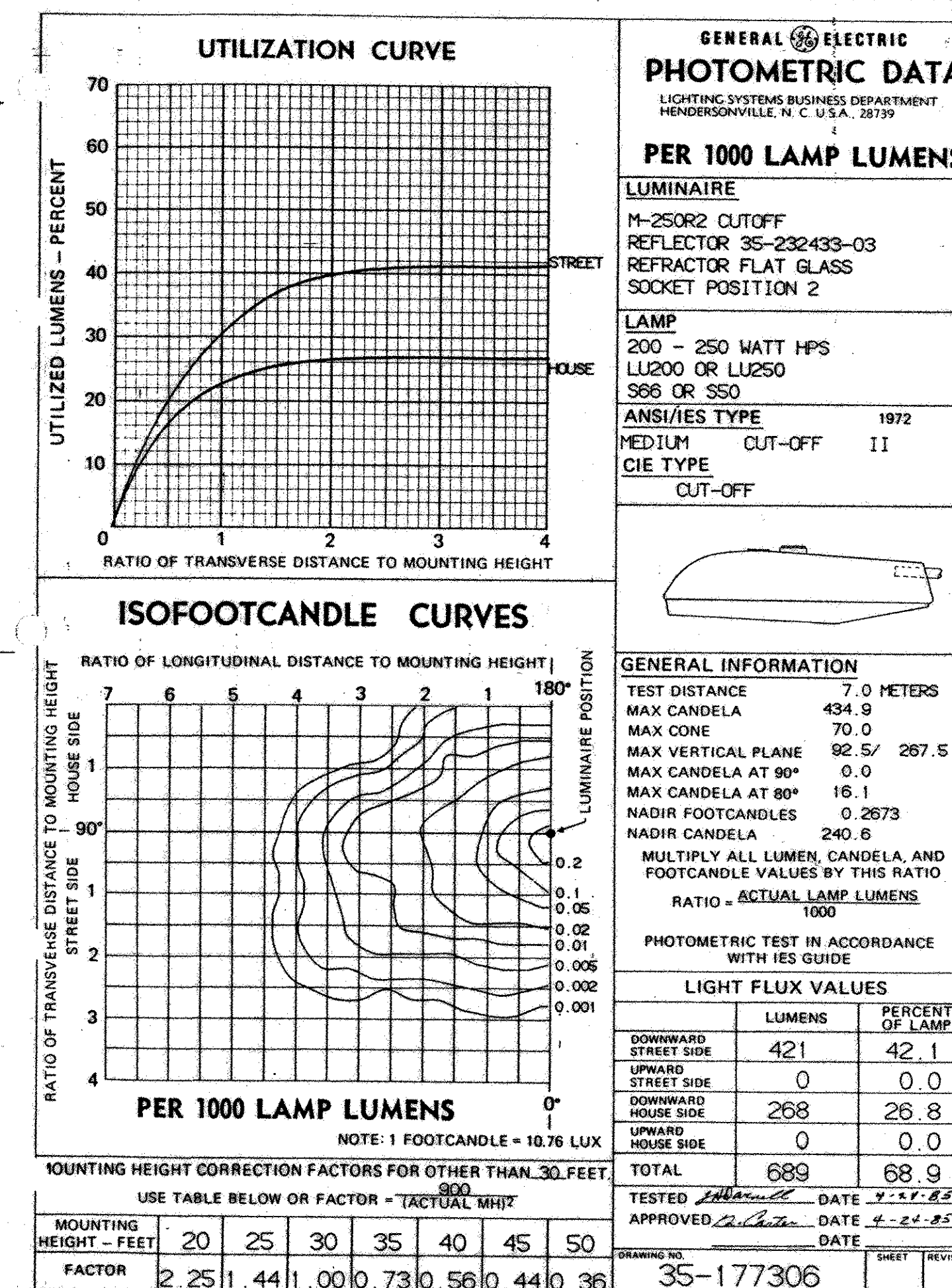
THE QUANTITIES LISTED ABOVE ARE APPROXIMATE AND ARE FURNISHED FOR INFORMATION ONLY. MISCELLANEOUS (UNLISTED) WIRE, CABLE, HARDWARE ETC., ARE REQUIRED TO PROVIDE FOR A FUNCTIONING FLASHING BEACON SYSTEM.

* SEE NOTES FOR ADDITIONAL CABINET SIZE REQUIREMENTS.

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

NOTES:

- 1.) THE PLAQUE SHALL BE MOUNTED ON ALL FLASHING BEACON CABINETS. IT SHALL BE FASTENED TO THE 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, STAMPED, OR ENGRAVED. 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.



OVERHEAD FLASHING BEACON NOTES

PREPARED BY DSP DATE 06/89
CHECKED BY DATE
DESIGN SUPERVISOR DATE
PROJ. ADDISON HES 017-(14)S

TRAFFIC SHEET NO. OF
SHEET 32 OF 47 SHEETS

SHEET 462 OF 477