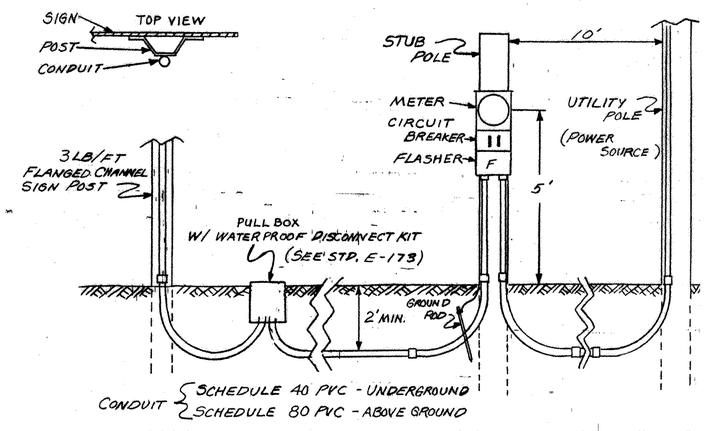
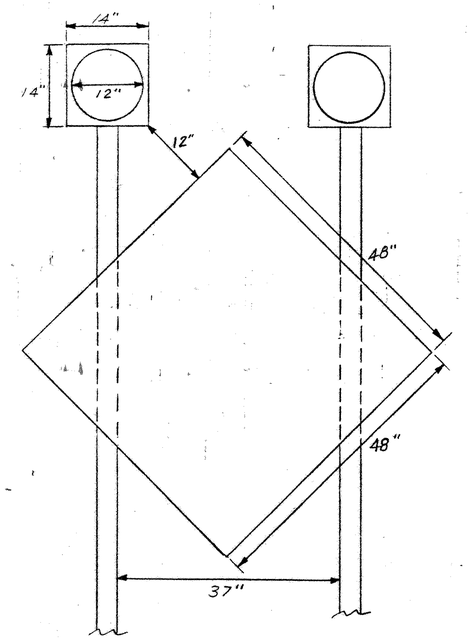
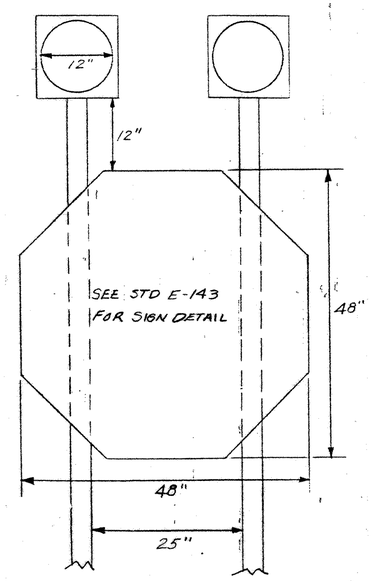
TYPICAL FLASHING BEACON INSTALLATION ON SIGN POST



FLASHING BEACONS ON WARNING SIGNS



FLASHING BEACONS ON STOP SIGNS



FLASHING BEACON (MODIFIED) NOTES

THESE NOTES APPLY TO THE FLASHING BEACON UNITS WHICH ARE ATTACHED TO THE STOP AND STOP AHEAD SIGNS AND WHICH ARE BID AS THE MODIFIED ITEM, EACH.

1.) ALL FLASHING BEACON HEADS SHALL BE 12" DIAMETER, HEAVY DUTY ALUMINUM AND MOUNTED ON FLANGED CHANNEL SIGN POSTS AS DETAILED ON THE SIGN DETAIL SHEET. THE PLACEMENT OF CONDUIT ON THE BACK OF THE SIGN AND POSTS FOR THE DOUBLE BEACON SYSTEM IS DETAILED ON STANDARD E-109. THE CONDUIT SHALL BE ATTACHED TO THE SIGN POST FARTHEST AWAY FROM THE ROADWAY.

2.) THE FLASHER UNITS FOR THE SIGNS AT THE FOLLOWING LOCATIONS SHALL BE HOUSED IN ONE COMMON CABINET WHICH SHALL ALSO CONTAIN THE FLASHER UNIT FOR THE OVER HEAD BEACON SYSTEM. THIS CABINET IS TO BE MOUNTED ON STRAIN POLE #1.

a.) STOP SIGN @ 10+65 LT (VT17 WEST)

b.) STOP AHEAD SIGN @ 15+20 LT (VT17 WEST)

c.) STOP SIGN @ 10+40 LT (VT17 EAST)

THE POWER SOURCE FOR THE FLASHERS FOR THE SIGNS NOTED ABOVE AND THE OVERHEAD FLASHING BEACON SYSTEM IS OUTLINED UNDER THE OVERHEAD FLASHING BEACON NOTES. EACH SIGN SHALL BE PROVIDED WITH A SEPARATE SINGLE OR DUAL POLE (CIRCUIT) FLASHER UNIT, AS IS APPROPRIATE. THE ELECTRICAL WIRING FOR EACH SIGN SHALL BE RUN IN 1½" DIAMETER PVC CONDUIT AS SHOWN ON THE PLANS. A PULLBOX SHALL BE PROVIDED AT EACH SIGN LOCATION. AN INTERMEDIATE PULL BOX WILL BE REQUIRED BETWEEN THE INTERSECTION AND THE STOP AHEAD SIGN AT STATION 15+20 LT. A SIX INCH WIDE YELLOW PLASTIC MARKING TAPE SHALL BE PLACED IN THE EXCAVATED TRENCH 6 TO 12 INCHES BELOW THE FINISHED GRADE FOR ALL CONDUIT RUNS. PAYMENT SUBSIDIARY TO THE CONDUIT.

3.) THE POWER SOURCE FOR THE STOP AHEAD SIGN AT STATION 18+25 LT (VT17 EAST) SHALL BE FROM C.T.C.-VT POLE MARKED AS 2/7712 AND 2-2. THE INSTALLATION SHALL BE AS SHOWN ON THE BEACON INSTALLATION DETAIL. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT THE UTILITY COMPANY TO PROVIDE FOR THE POWER HOOK-UP. THE CONTRACTOR SHALL PROVIDE TO THE UTILITY COMPANY THE WEATHERHEAD, WIRE AND POLE RISER (CONDUIT) THAT RUNS UP THE UTILITY POLE. THE UTILITY COMPANY SHALL PROVIDE THE ATTACHMENT BRACKETS OR STAND OFFS AND SHALL INSTALL THE CONDUIT ON THE POLE. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL THE EQUIPMENT SHOWN ON THE FLASHING BEACON TYPICAL EXCEPT THE METER ITSELF. THE DISCONNECT BOX (100 AMP MINIMUM) SHALL BE SECURED WITH A MASTER #3220 PAD LOCK. THE COST OF THE POLE RISERS, WEATHER HEAD, METER BASE, DISCONNECT BOX AND LOCK, FLASHER UNIT, STUB POLE AND CONDUIT WHICH RUNS ABOVE GROUND ON THE STUB POLE AND SIGN POST(S) AND RELATED INCIDENTALS SHALL BE CONSIDERED A PART OF THE FLASHING BEACON (MODIFIED) UNIT BID PRICE. THE UNDERGROUND CONDUIT AND PULLBOX(ES) SHALL BE PAID SEPERATELY UNDER THE APPROPRIATE ITEM. CARE SHALL BE TAKEN IN THE PLACEMENT OF THE CONDUIT, PULL BOXES AND STUB POLES SO AS TO NOT BLOCK DRIVES, FIELD DRIVES AND TO CAUSE AS LITTLE INTERFERENCE AS POSSIBLE WITH MOWING OPERATION. ALL MATERIAL REMOVED FOR THE PLACEMENT OF CONDUIT SHALL BE REPLACED WITH LIKE MATERIAL AND SHALL BE PROPERLY COMPACTED, PARTICULARLY IN SHOULDER AND DRIVE AREAS. WHEN CONDUIT IS PLACED IN A GRASSED AREA THE EXCAVATION SHALL BE TOPPED WITH 2 INCHES OF TOP SOIL AND SEEDED. COST OF THIS WORK SHALL BE SUBSIDIARY TO THE CONDUIT TIEM.

4.) THE STOP AHEAD SIGN FLASHING BEACONS SHALL BE YELLOW AND SHALL FLASH ALTERNATELY

5.) THE STOP SIGN FLASHING BEACONS SHALL BE RED AND SHALL FLASH SIMULTAINOUSLY.

6.) THE PULL BOXES SHOULD BE PLACED AS CLOSE TO THE SIGN AS POSSIBLE. THE WIRING CONNECTIONS WITHIN THE PULLBOX SHALL BE MADE USING WATER PROOF DISCONNECT KITS.

7.) ALL FLASHER UNITS SHALL BE EQUIPPED WITH RADIO INTERFERENCE FILTERS OR SHALL BE OF SUCH A DESIGN AS TO MAKE THEM UNNECESSARY.

8.) THE COST OF THE SIGNS AND SIGN POSTS USED WITH THE FLASHING BEACON (MODIFIED) ITEM SHALL BE PAID UNDER THE APPROPRIATE SIGN OR POST ITEM.

DATUM
VERTICAL _____
HORIZONTAL _____

FLASHING BEACON (MODIFIED) NOTES & DETAILS

SURVEYED BY _____ DATE _____
DRAWN BY DSP DATE 06/89
SQUAD LEADER _____
DESIGN FILE NO. _____ DATE PLOTTED _____
PROJ. NAME ADDISON
PROJ. NO. HES 017-1(4)S
SHEET 34 OF 47 SHEETS