

COLORS
ALL THE WARNING SIGNS SHOWN ON THIS SHEET SHALL HAVE BLACK TEXT AND SYMBOLS ON REFLECTORIZED YELLOW BACKGROUND EXCEPT AS OTHERWISE NOTED. THE COLORS SHALL CONFORM WITH THE COLORS ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS AND APPROVED BY THE DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION.

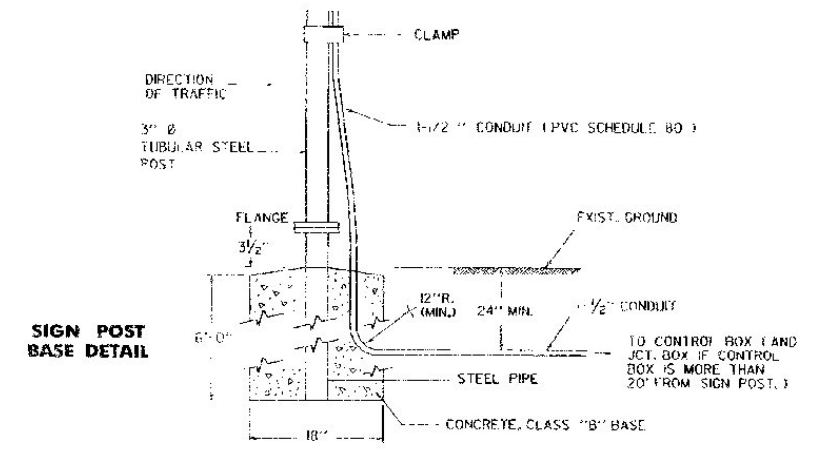
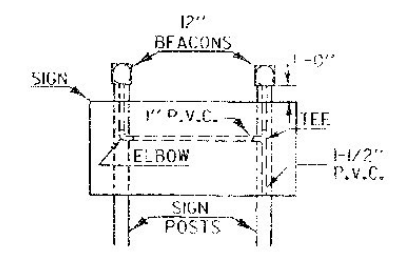
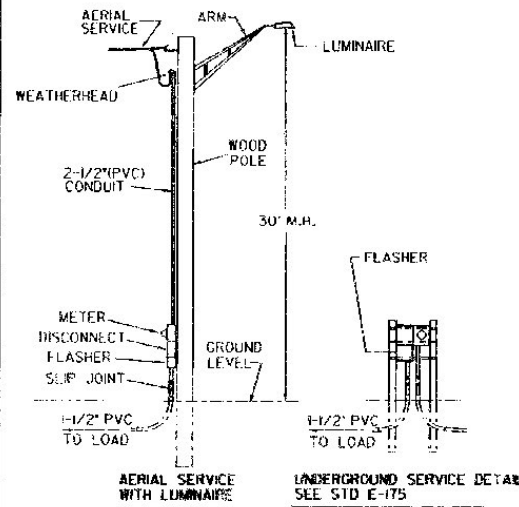
MATERIALS
THE SIGN BASE MATERIALS USED FOR THE WARNING SIGNS SHOWN ON THIS SHEET MAY BE ANY OF THE FOLLOWING:
A) EXTRUDED ALUMINUM PANELS, WITH REFLECTIVE SHEETING.
B) FORMED GALVANIZED STEEL PANELS, WITH REFLECTIVE SHEETING.

THE TEXT, BORDER AND SYMBOLS SHALL BE LETTERING FILM, SILK SCREENED OR HAND PAINTED. WHEN HAND PAINTED, POOR WORKMANSHIP SHALL BE CAUSE FOR REJECTION. THE REFLECTIVE MATERIAL SHALL BE REFLECTIVE SHEETING APPLIED TO THE ENTIRE BACKGROUND OF THE SIGN. ENCAPSULATED LENS REFLECTIVE SHEETING SHALL BE USED FOR THE SIGN BACKGROUND.

TEXT DESIGN
LETTERS, DIGITS, SYMBOLS, SPACINGS, AND TEXT DIMENSIONS SHALL CONFORM WITH THE STANDARD ALPHABETS AND DESIGNS PRESCRIBED IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".

SPECIFICATIONS
WARNING SIGNS SHALL MEET THE VERMONT STANDARD SPECIFICATIONS FOR "TRAFFIC SIGNS".

ALL SIGN DIMENSIONS ARE IN INCHES

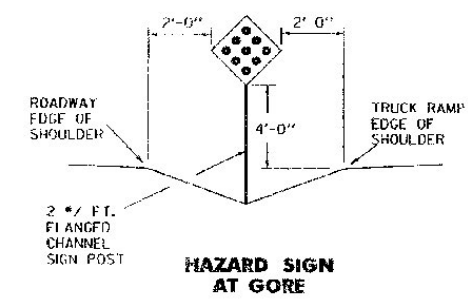


CONDUIT DETAILS BETWEEN BEACONS
(SIGN SHOWN FACING TRAFFIC)

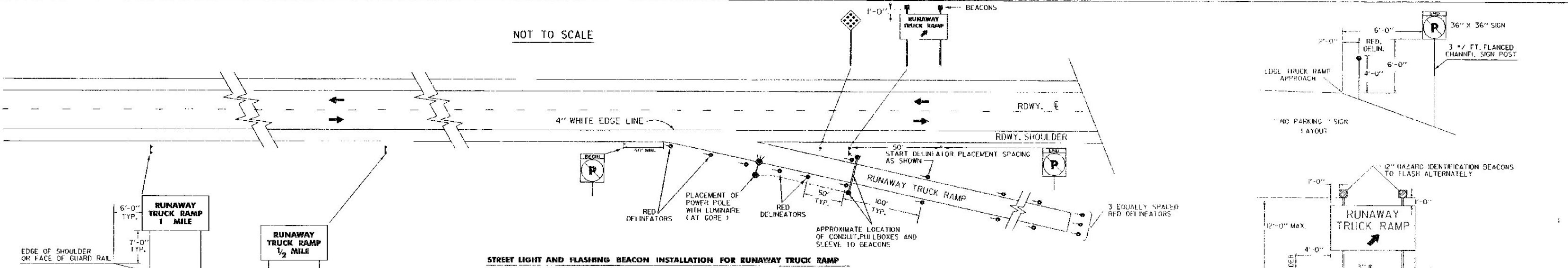
SIGN POST BASE DETAIL

FLASHING BEACON NOTES:

1. POWER MAY COME FROM THE SAME SOURCE AS A TRAFFIC SIGNAL AND/OR STREET LIGHT.
2. THE FLASHER UNIT SHALL BE A ONE CIRCUIT FOR A SINGLE BEACON INSTALLATION AND A TWO CIRCUIT FOR A TWO BEACON INSTALLATION, AND SHALL INCLUDE A RADIO INTERFERENCE FILTER.
3. BATTERY OPERATED FLASHERS WILL NOT BE ALLOWED.
4. BOTTOM OF BEACON (S) SHALL BE A MINIMUM OF 8'-0" AND A MAXIMUM OF 12' 0" ABOVE EDGE OF PAVEMENT.
5. FOR URBAN AREA PLACEMENT SEE APPROPRIATE STANDARD SHEETS.
6. THE CONTRACTOR SHALL SUPPLY AND INSTALL THE INDICATED EQUIPMENT AND HARDWARE: BEACONS, 3" Ø TUBULAR STEEL POSTS AND FOUNDATIONS, WIRE #12 AWG. COPPER MINIMUM 1/2 METER SOCKET, DISCONNECT CABINET WITH APPROPRIATE CIRCUIT BREAKERS, CONDUIT, POLE RISER WITH WEATHER HEAD, POWER DROP STANCHION, JUNCTION BOX (ES) AND ALL OTHER MISC. MATERIALS AND HARDWARE TO MAKE THE BEACONS OPERATIONAL.
7. A CLAMPING DEVICE AS APPROVED BY THE ENGINEER SHALL BE USED TO ATTACH THE CONDUIT TO THE SIGN POST (S).
8. PAYMENT FOR THE ABOVE INSTALLATION (S) SHALL BE AS FOLLOWS: BEACON (S) SHALL BE PAID UNDER ITEM 678.16, SIGN (S) AND POST (S) SHALL BE PAID UNDER THEIR APPROPRIATE ITEM NUMBER (S).



HAZARD SIGN AT GORE



NOT TO SCALE

STREET LIGHT AND FLASHING BEACON INSTALLATION FOR RUNAWAY TRUCK RAMP

INSTALL A WOOD POLE OF SUFFICIENT LENGTH TO MOUNT A LUMINAIRE WITH A 30 FOOT MOUNTING HEIGHT.
THE LOCATION OF THIS POLE SHALL BE BEYOND THE CLEAR ZONE OF THE THROUGH LANE AND AT LEAST 10 FEET OFF THE EDGE OF PAVEMENT OF THE TRUCK ESCAPE RAMP. LIGHT POLE TO BE SET APPROXIMATELY AT THE GORE AREA OF THE THRU WAY AND THE TRUCK ESCAPE RAMP.
INSTALL A RAINTIGHT ENCLOSURE ON THIS POLE (OPTION WHEN PERMITTED) WITH METER SOCKET, FLASHER AND AT LEAST TWO CIRCUIT BREAKERS AND MAIN DISCONNECT FOR STREET LIGHT AND FLASHING BEACONS.
THE LUMINAIRE TO BE EITHER A 150 WATT HIGH PRESSURE SODIUM OR A 250 WATT MERCURY VAPOR WITH CUT-OFF OPTICS, TYPE III DISTRIBUTION AND BRACKET ARM OF SUFFICIENT LENGTH SO LUMINAIRE IS OVER PAVED EDGE OF TRUCK ESCAPE RAMP.

THE ELECTRICAL CIRCUITRY FOR THE FLASHING BEACONS SHALL BE RUN UNDERGROUND FROM THE ABOVE MENTIONED POWER DROP POLE TO THE NEAR POLE OF THE FLASHING BEACON INSTALLATION. USE 1-1/2\"/>

PAYMENT FOR THE ABOVE INSTALLATION OF THE STREET LIGHT AND BEACONS SHALL BE UNDER ITEM 678.16 FLASHING BEACONS, SIGNS AND POSTS TO BE PAID AS SEPARATE ITEMS.

OTHER STDS. E-160 E-163 E-173 E-175 REQUIRED:

REVISIONS AND CORRECTIONS
AUG. 02, 1988 - DATE OF ORIGINAL ISSUE
AUG. 08, 1995 - REVISED LUMINAIRE DETAIL AND MISC. NOTES.

APPROVED

Stephen P. MacArthur
DIRECTOR OF ENGINEERING

David A. Ross
TRAFFIC AND SAFETY ENGINEER

**RUNAWAY TRUCK RAMP
SIGN DETAIL SHEET**



**STANDARD
E-129**