REAR VIEW

SIDE VIEW

FRONT VIEW

1" — 1 1/2" metal conduit

Aluminum traffic
signal head

1 1/2" Elbow with
serrated teeth

1 1/2" Type T
condulet outlet
with cover and gasket.

Beacons shall
flash alternately

Tee bars
or stiffeners

Nut — Washer

U-bolt

CHANNELLING TO POST
DETAIL

Channeling cut to
width of flange

1 1/2" metal conduit

20"

W4x13 Galvanized post

CONDUIT TO
CHANNELLING DETAIL

1 1/2" aluminum Type C
condulet outlet body with
cover and gasket.

1"

1"

1/2" pvc conduit

3"

4"

18"

Ground rod

Ground rod

4' 6"

1' 9"

Grounding lug

2 Washers

1 Hex nut

Grounding lug
galvanized bolt
ASTM-A307M

NOTES:

All signal lenses shall be yellow and shall be 12" diameter.
All elbows and condulets shall have set screws or locknuts to prevent rotation.
All channeling, and clamps shall be galvanized or stainless steel.
Miscellaneous hardware shall be stainless steel.
Post and sign panels shall be installed in accordance with SSP-VA.
A waterproof sealant shall be utilized between elbows and signal heads.
Foundation shall be in accordance with SSP-VA for a 4' 6"x1' 9"
foundation except for the following:

1. A 1 1/2" metal conduit shall be installed for electrical power.

2. A 1/2" PVC conduit,#6 wire and ground rod shall be installed
   for grounding purposes. Stub post shall be supplied with a grounding
   lug welded to post web.

3. A breakaway connector installed on the signal conductors
   within the type C condulet. Breakaway connectors shall be fused fpr
   the hot conductor and nonfused for the grounded conductor.

4. Part elevation on undivided highways shall be of the median type.

Voids remaining after conductors exit or enter grounding conduit
shall be sealed with silicone to prevent moisture and rodent entry.

FLASHING BEACON INSTALLATION
DETAILS
VIRGINIA DEPARTMENT OF TRANSPORTATION

1301.21