Aluminum Pedestal
6063-T6 alloy, 4" x .237"
wall schedule 40-3.73 #/ft.
spun finish.

3/8" x 1/4" stainless
steel set screw

Cover held in place with a
3/4" x 20 UNC Hex head 300 grade
stainless steel machine screw.

Frangible Square
aluminum base
See Note 41 on
sheet 3 of 3.

3/8" x 2 UNC x 2"
stainless
steel set screw

Cover held in place with a
3/4" x 20 UNC Hex head 300 grade
stainless steel machine screw.

Frangible Octagonal
aluminum base
See Note 41 on
sheet 3 of 3.
See Note 51 on sheet 3 of 3
for RCUC preference.

3/4" Bolt circle

12 1/4"

Ground lug

Socket head
bolt

Roll pin

NOTE: Use pedestal collar for pedestal length greater
than or equal to 14' (typical for 3 color traffic
signals with pedestrian signals)

Octagonal Base

SQUARE BASE
BOTTOM PLAN

SQUARE ALUMINUM BASE

Octagonal Base

OCTAGONAL BASE
BOTTOM PLAN

OCTAGONAL BASE

Collar (SQUARE BASE)

Collar (OCTAGONAL BASE)

2 1/4"

16 1/2"

1 3/4"

1 3/4" Bolt circle

13 5/8"
5/8" anchor bolts (4 required) See Sheet 3 of 3 for RCOC Preference

\[ \text{22"} \times 3/4" \text{ dia. bolt circle} \]

- \#6 min. copper ground wire (shall be attached to inside of bowl).
- 24" Below Grade
- 2" Non-Walking Grade

Walking Grade level

- Use non-solder type connection
- Ground wire
- (1) 3/4" schedule 80 PVC conduit
- 12"

3/4"x10'-0" copper clad ground rods. (Ground rods) must be installed in handhole outside of film. (a min. of 12" from film, 6" below grade) or as directed by the Engineer.

PEDESTAL FOUNDATION

See notes 1, 2 & 3 on sheet 3 of 3.

HANDHOLE DETAIL

- (1) 1 1/2" schedule 80 PVC conduit
- \#6 or larger standard ground wire with 18" min. slack above foundation top
- Gravel
- 36"
- Use non-solder type connection
- Bell End

3/4" x 10'-0" copper clad ground rods a variable distance from foundation as directed by Engineer and in accordance with the current N.E.C.
For use on MDDT Trunkline.  

For use on Oakland County Roads only.  

ANCHOR BOLT DETAIL

NOTE: Anchor bolts are to be ASTM-A307 steel (4 required)

NOTES:
1) Alternate foundation may be constructed 22"x22" square - 48" deep.
2) Grounding system shall measure 10 ohm or less to ground.
3) Construction joints not permitted in foundation.
4) Pedestal base must meet the requirements of National Cooperative Highway Research Program Report 350 (NCHRP 350) or Manual for Assessing Safety Hardware (MASH) and have Federal Highway Administration (FHWA) acceptance. Pedestal base must also be certified to have a 4-inch maximum stub height after the support has broken away from its base, as specified in the AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaries, and Traffic Signals and the AASHTO Roadside Design Guide.
5) Use the Octagonal Base as a preference by the Road Commission for Oakland County (RCOC), for use on Oakland County roads only.

NOT TO SCALE