COLOR CODE FOR WIRING CONNECTING TRAFFIC SIGNAL LAMPS

NOTE: No splices allowed between traffic signal head and controller.

COLOR CODE FOR WIRING CONNECTING PEDESTRIAN SIGNAL LAMPS

( WALKING PERSON - HAND SYMBOL)
STANDARD - 3 COLOR SIGNAL DISPLAY

FLASHING YELLOW ARROW (FYA) - 4 COLOR SIGNAL DISPLAY

DOG HOUSE W/RIGHT TURNS - 5 COLOR SIGNAL DISPLAY

COLOR CODE FOR WIRING CONNECTING TRAFFIC SIGNAL LAMPS
NOTE:
For all cable poles, install 3/4" x 10'-0" ground rod(s) as shown on “ground rod installation”. Connect ground rod(s) with #6 min. copper wire to messenger wire with non-solder type connection.

STEEL POLE/PEDESTAL GROUNDING DETAIL
GROUNDING

Install 3/4" x 10'-0" copper clad ground rod(s)
as required to provide less than 10 OHM resistance
to ground.

Grounding wire #6 AWG min. bare copper grounding wire
shall be installed to meet N.E.C. and utility
company specs.

Ground wire from disconnect to ground rod to be in
moulding (wood pole or post) or inside the pole
(steel). Ground wire from disconnect to controller
cabinet to be in conduit (wood pole, wood post, and
steel pole).

CONTROLLER CABINET GROUNDING DETAIL
1) All ground rods shall be 3/4" x 10' in length copper clad.
2) Ground rods shall be drive straight down, so that only the required portions of the ground rod is exposed to attach the ground wires.
3) All ground rods shall be connected to each other or to a span wire with a single #8 AWG copper conductor.
4) Each ground wire attaching to a ground rod shall have its own approved acorn type connector.
5) Do not install any ground rods within 10' of any other ground rods from other grounding.
6) The grounding system shall measure 10 ohms or less.
7) A separate insulated green #8 AWG copper ground is required from the service disconnect (safety switch) to the ground busbar in the controller cabinet.
8) Ground rod for each steel pole, wood pole, pedestal and/or traffic signal controller cabinet shall be located in the adjacent handhole as indicated on the plans or as directed by the Engineer.
9) All metal bases must be connected to a ground rod with a #8 ground wire.

SYSTEM GROUNDING DETAIL

NOT TO SCALE