

Typical Notes

The following notes may be used as a guide in developing General Notes, Plan Notes or Summary Notes. These notes must be modified to reflect the specific needs of the traffic signal design. Application of these notes as General Notes or Plan Notes will depend on the project design. Refer to Section IV, Chapter 4, paragraph 4.2, Step 16, (Page 4-11) for discussion on General Notes, Plan Notes or Summary Notes.

General Notes / Plan Notes*Controller Cabinets*

CONTROLLER CABINET FOUNDATION SHALL BE IN ACCORDANCE WITH ST'D. CF-1.

Controller Configuration

THE CONTROLLER SHALL REST IN &(2-6) (MINIMUM RECALL).

Controller Start-Up Notes

UPON ENERGIZING, A 72 HOUR FLASH PERIOD (IN NO CASE LESS THAN 24 HOURS) PRIOR TO STOP AND GO OPERATION IS REQUIRED UNLESS OTHERWISE APPROVED BY THE DISTRICT TRAFFIC ENGINEER.

Vehicle Detection

ALL 6' X 6' LOOP DETECTORS SHALL BE INSTALLED IN ACCORDANCE WITH ST'D. TD-1B. LOOPS SHALL BE PLACED AT 140' AND 285' BEHIND STOP BAR AND EQUIPPED WITH ONE AMPLIFIER PER GROUP AND OPERATED IN THE LOCK MODE.

ALL 6' X 50' LOOP DETECTORS SHALL BE INSTALLED IN ACCORDANCE WITH ST'D TD-1C, WITH ONE AMPLIFIER PER LOOP. LOOPS SHALL BE PLACED 5' IN FRONT OF STOP BAR AND OPERATED IN THE NON-LOCK MODE.

LOCATION OF CAMERA AND DETECTION ZONES FOR VIDEO DETECTION EQUIPMENT SHALL BE FIELD ADJUSTED, AS NECESSARY AND COORDINATED WITH THE ENGINEER.

Pole Foundations

SIGNAL POLE FOUNDATION SHALL BE IN ACCORDANCE WITH ST'D. PF-1.

SIGNAL POLE FOUNDATION SHALL CONFORM TO ST'D. PF-1 AND HAVE 1 ADDITIONAL 2" CONDUIT STUBBED AND CAPPED FOR FUTURE ROADWAY LIGHTING WITH A LOCATOR TAPE.

Poles

ALL MAST ARM POLES SHALL BE IN ACCORDANCE WITH ST'D.MP-1.

MAST ARM AND COMBINATION LUMINAIRE MAST ARM POLES SHALL BE IN ACCORDANCE WITH ST'D. MP-1.

Pedestals

PEDESTAL POLE AND FOUNDATIONS SHALL BE IN ACCORDANCE WITH ST'D. PF-2.

PEDESTAL POLES AND FOUNDATIONS SHALL BE IN ACCORDANCE WITH ST'D.PF-2 AND SHALL BE WIRED IN ACCORDANCE WITH ST'D. WD-4.

Mounting Mast Arm Signal Heads

ALL MAST ARM SIGNAL HEAD MOUNTINGS SHALL BE IN ACCORDANCE WITH ST'D.SM-3.

Pedestrian Signal Mounting, Operation and Wiring

PEDESTRIAN SIGNALS MOUNTED ON PEDESTAL POLES SHALL BE MOUNTED IN ACCORDANCE WITH ST'D. SMB-I AND WHEN MOUNTED ON SIGNAL POLES, SHALL BE IN ACCORDANCE WITH ST'D SMB-3. PEDESTRIAN SIGNALS SHALL BE ACTUATED IN ACCORDANCE WITH ST'D. PA-2 AND INDICATED IN ACCORDANCE WITH ST'D. SP-3.

Vehicle Signal Heads

ALL TRAFFIC SIGNAL HEAD SECTIONS SHALL BE 305MM AND INCLUDE BACKPLATES.

ALL TRAFFIC SIGNAL HEAD SECTIONS SHALL BE 12" ALUMINUM (WITH ALUMINUM VISORS) AND INCLUDE BACKPLATES.

Electrical Service

ELECTRICAL SERVICE SHALL BE IN ACCORDANCE WITH STD. SE-3 TYPE A AND COORDINATED WITH LOCAL POWER COMPANY FOR A NEW METER AND NEW SERVICE ACTIVATED.

ELECTRICAL SERVICE SHALL BE IN ACCORDANCE WITH STD. SE-5 EXCEPT THE GROUNDING CONDUIT SHALL BE 1" DIAMETER AND THE CONDUIT FOR THE UNDERGROUND SERVICE CABLE SHALL BE 1 1/4" GALVANIZED RIDGED STEEL. THE ELECTRICAL SERVICE SHALL BE COORDINATED WITH THE LOCAL POWER COMPANY FOR A NEW METER AND NEW SERVICE ACTIVATION.

EGC Conductor

INCLUDED IN THE COST OF PVC CONDUIT SHALL BE #8 AWG EQUIPMENT GROUNDING CONDUCTOR (EGC). EGC SHOWN ON THE PLANS ARE REQUIRED ONLY IF THE CONDUIT IS NON-METALLIC.

Trench Excavation

ALL TRENCH EXCAVATION SHALL CONFORM TO ST'D. ECI-1

Sign Mounting

SIGN MOUNTINGS SHALL BE IN ACCORDANCE WITH ST'D. SMB-2.

Other Notes To Be Considered

SIGNAL #2 (OVER LEFT TURN LANE) AND SIGNAL #8 ARE WIRED WITH 7C CABLE PER CITY'S REQUEST.

THE CONTRACTOR SHALL DELIVER THE REUSEABLE EXISTING SIGNAL EQUIPMENT (POLES, SIGNAL HEADS, CONTROLLER CABINET AND CABINET EQUIPMENT, ETC.) TO THE CITY TRAFFIC CONTROL SHOP, AT XXX ROAD., XXXX, VA XXXXX. CONTACT MR. XXXX XXXXX AT (XXX) XXX-XXXX 48 HOURS BEFORE DELIVERY. DELIVERY HOURS ARE 7:00 AM TO 3.00 PM MONDAY THROUGH THURSDAY. THE UNUSABLE SIGNAL EQUIPMENT (CABLE, CONDUIT, ETC.) SHALL BE DISPOSED OF BY THE CONTRACTOR.

Summary Notes

- 1 ALL LUMINAIRES ON COMBINATION POLES SHALL BE PAID FOR BY THE CITY AT 100% COST.
- 2 EACH CABINET AND POLE FOUNDATION SHALL BE PERMANENTLY MARKED TO INDICATE THE LOCATIONS OF ALL CONDUITS CAST IN THE FOUNDATION. THE MARKINGS SHALL CONSIST OF AN ARROW 4" TO 6" LONG AND A LETTER DESIGNATION AS FOLLOWS: (S) – SPARE CONDUIT; (T) – CONDUIT WITH DETECTOR OR SIGNAL CABLES; (E) CONDUIT WITH ELECTRICAL SERVICE CONDUCTORS FOR TRAFFIC SIGNALS; (L) – CONDUITS INSTALLED FOR LUMINAIRE CONDUCTORS ON JOINT USE POLES; AND (G) – CONDUIT WITH GROUNDING WIRES. THE MARKINGS SHALL BE ETCHED WITH A TROWEL ¼" DEEP WHILE THE CONCRETE IS BEING FINISHED.