

TRAFFIC SIGNAL GENERAL NOTES

- | | | |
|--|--|---|
| <ol style="list-style-type: none"> 1. THE COMPLETE SIGNAL INSTALLATION SHALL CONFORM TO ALL APPROPRIATE PARTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES CURRENT EDITION. 2. SIGNAL HEADS SHALL BE ERECTED TO PROVIDE AT LEAST 17 FEET BUT NO MORE THAN 19 FEET CLEARANCE FROM BOTTOM OF SIGNAL HEADS TO TOP OF ROAD SURFACE AND A MINIMUM OF 8 FEET MEASURED HORIZONTALLY BETWEEN CENTERS OF SIGNAL FACES. 3. SHIELDED CABLE SHALL BE USED FOR DETECTOR RUNS AS SHOWN ON THE DETAIL SHEET, DETECTORS SHALL HAVE SEPARATE LEAD-INS TO THE CONTROL CABINET. 4. THE CONTRACTOR SHALL LOCATE UNDERGROUND UTILITIES IN VICINITY OF NEW TRAFFIC SIGNAL POLES PRIOR TO ORDERING. AT THE DISCRETION OF THE ENGINEER, MINOR SHIFTS, (UP TO A MAXIMUM OF 5 FEET), IN LOCATION OF NEW SIGNAL POLES, ARE ACCEPTABLE TO AVOID UNDERGROUND UTILITIES. MINIMUM CLEARANCES FROM EDGE OF PAVEMENT SHALL BE MAINTAINED. PLACEMENT OF THE SIGNAL HEADS SHALL BE RETAINED AS SHOWN ON THE PLANS. 5. THE CONTRACTOR SHALL MAINTAIN EXISTING TRAFFIC SIGNALS DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC SIGNAL AND/OR CONTROL SYSTEM ADJUSTMENTS, INCLUDING TEMPORARY SUPPORT POLE LOCATIONS(S) REQUIRED BY THE PROJECT DURING THE INTERIM PERIOD THROUGH INSTALLATION OF NEW SIGNAL EQUIPMENT. AT NO TIME SHALL THE CONTRACTOR CAUSE ANY PART OF THE SIGNAL OPERATION TO BE INOPERABLE. 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NEW GUYS ON EXISTING UTILITY TIMBER POLES WHEN ATTACHING SPAN WIRE OR INTERCONNECT CABLE TO THE POLES UNLESS OTHERWISE DIRECTED BY THE ENGINEER. 7. INSTALLATION SHALL BE CHECKED AND ACCEPTED BY THE DISTRICT TRAFFIC ENGINEER PRIOR TO FINAL ACCEPTANCE. 8. WHEN REMOVED, EXISTING EQUIPMENT SHALL BE DELIVERED BY THE CONTRACTOR TO THE GDOT DISTRICT TRAFFIC SIGNAL SHOP AT (706) 646-6651. THE CONTRACTOR SHALL CONTACT THE GEORGIA DEPARTMENT OF TRANSPORTATION DISTRICT OFFICE, TO ESTABLISH PARAMETERS FOR REMOVAL, STORAGE, AND DELIVERY OF EXISTING TRAFFIC SIGNAL EQUIPMENT. | <ol style="list-style-type: none"> 9. FOR STRAIN POLE FOUNDATION SIZE AND REINFORCEMENT, SEE STRAIN POLE AND MAST ARM POLE FOUNDATION SHEET. 10. MATERIAL CERTIFICATION IS REQUIRED PRIOR TO BEGINNING ANY SIGNAL INSTALLATION WORK. THE CONTRACTOR SHALL FOLLOW PROCEDURES OUTLINED IN THE SPECIFICATIONS. 11. THE INSTALLATIONS SHALL BE CAPABLE OF "CLOSED LOOP" ISOLATED MONITORING OVER TELEPHONE LINES FROM EXISTING CENTRAL COMPUTERS LOCATED AT THE LOCAL DOT DISTRICT OFFICE, TRAFFIC ENGINEERING SECTION. 12. PROPOSED SIGNAL SUPPORT WIRE ATTACHMENT HEIGHTS ON POLES ARE PROVIDED AS GENERAL GUIDELINES TO INSTALLER, ACTUAL ATTACHMENT HEIGHTS SHALL BE FIELD DETERMINED BY INSTALLER TO PROVIDE REQUIRED SIGNAL HEAD MOUNTING HEIGHTS AND CLEARANCE FROM EXISTING UTILITIES. | <ol style="list-style-type: none"> 13. ALL TRAFFIC SIGNAL WORK, MATERIALS AND INSTALLATION SHALL CONFORM TO THE DEPARTMENT'S SPECIFICATIONS SECTIONS 647, 925, 935, 938 AND THE MUTCD. TYPE 3 PULL BOX TO BE INSTALLED AT BASE OF EACH POLE WHERE INTERSECTION CONTROLLER IS LOCATED; PEDESTRIAN PUSH BUTTON SIGNS ARE SHOULD BE 9" BY 15". 14. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL FEES ASSOCIATED WITH MODIFYING EXISTING AND ESTABLISHING NEW POWER AND COMMUNICATIONS SERVICES FOR PROJECT TRAFFIC SIGNALS, VIDEO DETECTION SYSTEMS AND OR CCTV CAMERAS ON THIS PROJECT AS NOTED ON THE PLAN SHEETS. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL MONTHLY POWER AND COMMUNICATIONS SERVICE TO THE TRAFFIC SIGNAL INSTALLATION AND SUPPORT DEVICES, UNTIL THE NEW TRAFFIC SIGNAL INSTALLATION HAS SATISFACTORILY COMPLETED A TEST PERIOD OF UNINTERRUPTED OPERATION, FOR 30 DAYS. UPON COMPLETION OF THE TEST PERIOD, THE CONTRACTOR WILL COMPLETE A TRANSFER OF UTILITY COSTS TO HOUSTON COUNTY OR THE CITY OF WARNER ROBINS. 15. FOR JOINT USE POLE APPLICATIONS, THE PRIME CONTRACTOR SHALL SUPPLY ATTACHMENTS HEIGHTS, POLE CLEARANCES, AND OTHER CALCULATIONS AS REQUIRED TO ENSURE SIGNAL INSTALLATION WILL NOT INTERFERE WITH UTILITIES AND OR UTILITY CLEARANCES. THIS INFORMATION SHALL BE SUPPLIED TO THE UTILITY COMPANY BEFORE ANY UTILITY DJUSTMENT OR JOINT USE POLE INSTALLATION. 16. FOR NEW CONSTRUCTION OF CONCRETE ISLAND(S), WHERE LOOP(S) ARE TO BE CUT TO ISLAND(S), PROVISIONS SHALL BE MADE FOR LOOP(S) TO ENTER PULL BOXES WITHOUT SAW CUTTING OF THE ISLAND(S) AND/ OR PULL BOXES. FOR NEW CONCRETE ISLAND CONSTRUCTION, OR REPLACEMENT OF EXISTING CONCRETE ISLANDS, CONDUIT MAY BE PLACE IN THE ISLAND TO FACILITATE LOOP WIRE FROM SAW CUTS TO PULL BOXES INSTALLED IN CONCRETE ISLANDS (TRAFFIC SIGNAL DETAIL SHEETS). 17. ALL PULL BOXES FOR SET-BACK LOOP LEAD IN CABLE TO CONTROLLER SHALL BE TYPE 2 PULL BOXES. PULL BOX SPACING FOR SET- BACK LOOP LEAD IN CABLE SHALL BE 100' MAXIMUM BETWEEN PULL BOXES. INSTALL TYPE 3 PULL BOX AT CONTROLLER FOUNDATION UNLESS OTHERWISE NOTED ON PLANS. ALL FIBER OPTIC PULL BOXES SHALL BE TYPE 5. ALL UNUSED CONDUIT SHALL CONTAIN DETECTABLE MULE TAPE FOR FUTURE USE IN PULLING CABLE INTO CONDUIT. 18. UPON ACTIVATION OF NEW TRAFFIC SIGNAL EQUIPMENT, THE CONTRACTOR WILL BE RESPONSIBLE FOR RESPONDING TO ALL REPORTS OF TRAFFIC SIGNAL "TROUBLE" OR MALFUNCTION UNTIL THE TRAFFIC SIGNAL EQUIPMENT AND OPERATION HAS SUCCESSFULLY COMPLETED AN OPERATING TEST PERIOD OF A MINIMUM OF 30 DAYS. IF DISTRICT THREE FORCES MUST RESPOND TO REPORTS OF SIGNAL TROUBLE OR MALFUNCTION, AFTER ATTEMPTS TO CONTACT THE CONTRACTOR HAVE FAILED, OR THE CONTRACTOR DOES NOT RESPOND, ALL COSTS ASSOCIATED WITH DISTRICT TRAFFIC SIGNAL RESPONSE WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND MAY BE WITHHELD FROM FINAL CONTRACT PAYMENT. 19. THE CONTRACTOR WILL BE RESPONSIBLE FOR ADJUSTMENTS TO EXISTING TRAFFIC SIGNAL INDICATIONS AS REQUIRED BY CONSTRUCTION FOR LANE SHIFTS AND TRAFFIC CONTROL, AT NO COST TO THE DEPARTMENT. 20. THE CONTRACTOR WILL ADVISE THE PROJECT MANAGER A MINIMUM 3 DAYS PRIOR TO ANY TRAFFIC SIGNAL BEGINNING. THE CONTRACTOR WILL CONTACT THE DISTRICT SIGNAL OFFICE AT LEAST 14 DAY PRIOR TO REQUESTING INSPECTION ACTIVITIES FOR TRAFFIC SIGNAL INSTALLATIONS. THE CONTRACTOR WILL CONTACT THE DISTRICT SIGNAL SHOP 14 DAYS PRIOR TO REQUESTING ACTIVATION OF THE TRAFFIC SIGNAL SO SIGNAL TIMING CAN BE DEVELOPED AND INSTALLED IN CONTROL EQUIPMENT. 21. THE CONTRACTOR WILL BE RESPONSIBLE FOR REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT. THE CONTRACTOR WILL CONTACT THE DISTRICT SIGNAL ENGINEER TO DETERMINE SALVAGEABLE MATERIALS. THE DISTRICT SIGNAL ENGINEER MAY RECEIVE SALVAGED EQUIPMENT OR REQUIRE THE MATERIAL TO BE DELIVERED TO THE DISTRICT SIGNAL SHOP. ALL UNSALVAGEABLE MATERIAL WILL BE DISPOSED OF BY THE CONTRACTOR, AT NO COST TO THE DEPARTMENT. |
|--|--|---|


REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PROGRAM DELIVERY
GENERAL NOTES

SR 96 WIDENING

 DRAWING No.
27-00B