

TRAFFIC SIGNAL GENERAL NOTES

1. 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.
2. THE CONTRACTOR SHALL LOCATE UNDERGROUND UTILITIES IN VICINITY OF NEW TRAFFIC SIGNAL POLES BEFORE INSTALLATION. MINOR SHIFTS (UP TO A MAXIMUM OF 5 FEET) IN LOCATION OF NEW SIGNAL POLES, AT THE DISCRETION OF THE ENGINEER, 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.
3. INSTALLATION IS TO BE CHECKED AND ACCEPTED BY THE DISTRICT TRAFFIC ENGINEER PRIOR TO FINAL ACCEPTANCE. NOTIFICATION OF REQUEST FOR INSPECTION MUST BE SENT IN WRITING TO THE DISTRICT TRAFFIC ENGINEER AT "GEORGIA DEPARTMENT OF TRANSPORTATION, 115 TRANSPORTATION BLVD, THOMASTON, GEORGIA 30286, ATTENTION DISTRICT SIGNAL ENGINEER" A MINIMUM OF ONE WEEK PRIOR TO THE DATE OF INSPECTION.
4. FOR MAST ARM STRAIN POLE FOUNDATION SIZE AND REINFORCEMENT, SEE STRAIN POLE AND MAST ARM POLE FOUNDATION SHEET.
5. MATERIAL CERTIFICATION IS REQUIRED PRIOR TO BEGINNING ANY SIGNAL INSTALLATION WORK. THE CONTRACTOR SHALL FOLLOW PROCEDURES OUTLINED IN THE SPECIFICATION AND SPECIAL PROVISIONS.
6. THE INSTALLATIONS SHALL BE CAPABLE OF "CLOSED LOOP" ISOLATED MONITORING OVER TELEPHONE LINES FROM EXISTING CENTRAL COMPUTERS LOCATED AT 115 TRANSPORTATION BOULEVARD, THOMASTON, GEORGIA 30286. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL FEES AND PERMITS NECESSARY FOR ESTABLISHING POWER AND COMMUNICATIONS, INCLUDING DSL COMMUNICATIONS, TO THE PROJECT TRAFFIC SIGNAL INSTALLATION. TRAFFIC SIGNAL INSTALLATIONS ON THIS PROJECT SHALL BE CAPABLE OF REMOTE COMMUNICATIONS AND DIAGNOSTICS OVER COMMUNICATIONS NETWORKS.
7. 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.
8. SHIELDED CABLE WILL BE USED FOR DETECTOR RUNS AS SHOWN ON THE DETAIL SHEET. DETECTORS SHALL HAVE SEPARATE LEAD INS TO THE SIGNAL CABINET. ONLY ONE (1) PHASE PER LEAD-IN-CABLE WILL BE ALLOWED.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC SIGNAL AND/OR CONTROL SYSTEM ADJUSTMENTS, INCLUDING TEMPORARY SUPPORT POLE LOCATIONS 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.
10. LOOP DETECTORS THAT ARE MADE INOPERABLE DUE TO CONSTRUCTION ACTIVITIES SHALL BE OPERATING WITHIN ONE WEEK.
11. ALL EXISTING STOP BARS AND CROSSWALKS THAT ARE NOT REMOVED OR RELOCATED SHALL BE REPAINTED.
12. ALL SIGNAL HEADS SHALL BE 12" LED PIXILATED (5MM) STYLE.
13. THE CONTRACTOR SHALL REPLACE IN KIND AND SIZE, AT NO SEPARATE EXPENSE TO THE DEPARTMENT, ANY BARRIER WALL, FENCE, DITCH PAVING, CURBING, SIDEWALK, GUTTER, SLOPE PAVEMENT, SIGNS, GUARDRAIL, LANDSCAPING, GRASSING, UTILITY SERVICE LINES, STORM DRAIN PIPES, MASONRY WALLS AND PAVING THAT IS REMOVED, DAMAGED OR DESTROYED.
14. ANY TRAFFIC MARKING, SYMBOLS OR STRIPING TO REMOVED SHALL BE PAID FOR IN THE TRAFFIC CONTROL LUMP SUM ITEM.
15. NOTICE OF INTENT (NOI) IS REQUIRED FOR THIS PROJECT.
16. ALL TRAFFIC SIGNAL WORK, MATERIALS, AND INSTALLATION SHALL CONFORM TO THE DEPARTMENT'S SPECIFICATION SECTIONS 647, 915, 925, 935, 938 AND THE MUTCD. TYPE 3 PULL BOX TO BE INSTALLED AT BASE OF EACH POLE WHERE INTERSECTION CONTROLLER IS LOCATED; PEDESTRAIN PUSH BUTTON SIGNS SHOULD BE 9" BY 15".
17. ALL TRAFFIC SIGNAL MATERIALS PROPOSED FOR USE ON THIS PROJECT WILL BE SUBMITTED TO THE DISTRICT SIGNAL SECTION FOR REVIEW AND APPROVAL AS REQUIRED BY CONTRACT SPECIFICATION. NO TRAFFIC SIGNAL MATERIALS OR WORK MAY BEGIN UNTIL ALL MATERIALS HAVE BEEN REVIEWED AND APPROVED BY THE DEPARTMENT. THE DEPARTMENT'S PROJECT MANAGER WILL COORDINATE PAYMENT OF MATERIALS AND INSPECTION OF THE TRAFFIC SIGNAL INSTALLATION WITH THE DISTRICT SIGNAL SECTION.
18. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL FEES ASSOCIATED WITH MODIFYING EXISTING AND ESTABLISHING NEW POWER AND COMMUNICATIONS SERVICES FOR TRAFFIC SIGNAL, VIDEO DETECTION SYSTEMS AND/OR CCTV CAMERAS ON THIS PROJECT. IF A UTILITY TRANSFORMER IS REQUIRED FOR TRAFFIC SIGNAL EQUIPMENT, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INCLUDE AS PART OF THEIR BID PRICE, FOR THAT TRAFFIC SIGNAL INSTALLATION OF THE RESPECTIVE UTILITY REQUIRES PAYMENT FOR INSTALLATION.
19. 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 DOOLY COUNTY.
20. 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. THIS INFORMATION SHALL BE SUPPLIED TO THE UTILITY COMPANY BEFORE ANY UTILITY ADJUSTMENT OR JOINT USE POLE INSTALLATION.
21. ALL TRAFFIC SIGNAL UTILITY WORK REQUIRED BY THIS PROJECT WILL REQUIRE SEPARATE UTILITY PERMITTING THROUGH THE DISTRICT UTILITY OFFICE. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF MODIFICATION TO EXISTING OR NEW POWER SERVICE AND COMMUNICATION SERVICES (UTILITIES) WITH THE PROJECT'S PRIME CONTRACTOR AND UTILITIES INVOLVED WITHIN THIS PROJECT.