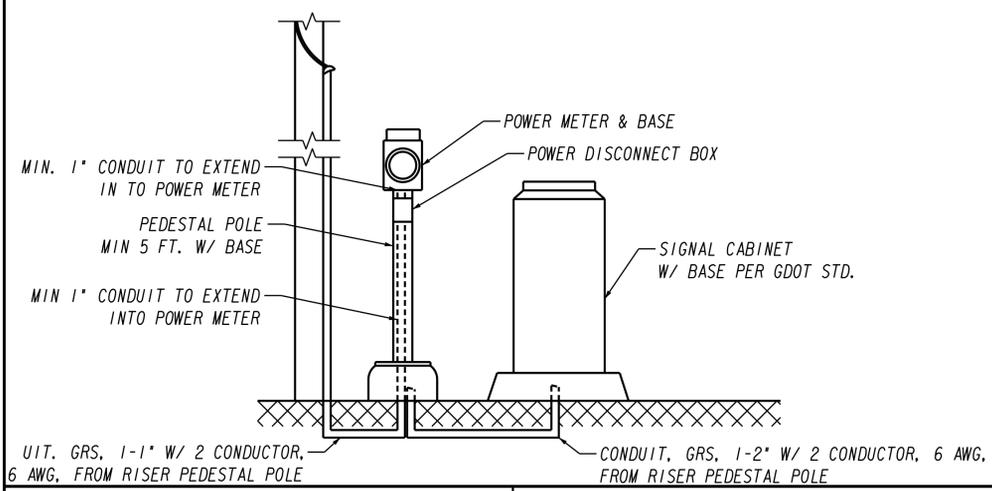


1. THIS WORK SHALL CONFORM TO THE GEORGIA DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF TRANSPORTATION SYSTEMS, INCLUDING ALL SUPPLEMENTAL SPECIFICATIONS (SPECIFICALLY SECTIONS 647 & 925), THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE NATIONAL ELECTRIC CODE AND DETAIL SHEETS.
2. SIGNAL HEADS SHALL BE ERECTED TO PROVIDE AT LEAST 17 FT. BUT NO MORE THAN 19 FT. CLEARANCE FROM THE BOTTOM OF THE SIGNAL HEADS TO TOP OF ROAD SURFACE AND MINIMUM OF 8 FT. MEASURED HORIZONTALLY BETWEEN CENTERS OF SIGNAL FACES.
3. SHIELDED CABLE WILL BE USED FOR DETECTOR RUNS AS SHOWN ON THE DETAIL SHEET. DETECTORS SHALL HAVE SEPARATE LEAD-INS TO THE CONTROL CABINET. ONLY ONE (1) PHASE PER LEAD-IN CABLE WILL BE ALLOWED
4. THE CONTRACTOR SHALL LOCATE UNDERGROUND UTILITIES IN THE VICINITY OF NEW SIGNAL POLES AND/OR IN THE VICINITY OF ANY UNDERGROUND WORK. MINOR SHIFTS (UP TO 5 FT.) IN NEW POLE LOCATIONS AS THE DISCRETION OF THE ENGINEER ARE ACCEPTABLE TO AVOID UNDERGROUND UTILITIES. MINIMUM CLEARANCE FROM EDGE OF PAVEMENT SHALL BE MAINTAINED.
5. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL VERTICAL AND HORIZONTAL UTILITY CLEARANCES PER NEC AND GDOT SPECIFICATIONS. ANY EXISTING OVERHEAD UTILITIES THAT ARE IN CONFLICT WITH THE TRAFFIC SIGNAL INSTALLATION WILL HAVE TO BE ADJUSTED. MINOR SHIFTS (UP TO 5 FT.) IN NEW STRAIN POLE LOCATIONS AT THE DISCRETION OF THE ENGINEER ARE ACCEPTABLE TO AVOID OVERHEAD UTILITIES. 10' CLEAR ZONE SHALL BE MAINTAINED BETWEEN OVERHEAD POWER UTILITIES AND SIGNAL EQUIPMENT.
6. WHERE APPLICABLE, THE CONTRACTOR WILL 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 TO BE CHECKED AND ACCEPTED BY THE DISTRICT TRAFFIC SIGNAL ENGINEER PRIOR TO FINAL ACCEPTANCE. NOTIFICATION OF REQUEST FOR INSPECTION MUST BE SENT IN WRITING TO THE DISTRICT SIGNAL ENGINEER AT "GEORGIA DEPARTMENT OF TRANSPORTATION, 801 HIGHWAY 15 SOUTH, TENNILLE, GEORGIA 30189, ATTENTION: DISTRICT SIGNAL ENGINEER" A MINIMUM OF ONE WEEK PRIOR TO THE DATE OF INSPECTION.
8. A PRELIMINARY TRAFFIC SIGNAL WALKAROUND IS TO BE CONDUCTED PRIOR TO THE SIGNAL BEING ACTIVATED. THE CONTRACTOR WILL CONTACT THE DISTRICT SIGNAL ENGINEER AT GEORGIA DEPARTMENT OF TRANSPORTATION, 801 HIGHWAY 15 SOUTH, TENNILLE, GEORGIA 30189, (478) 552-4625 A MINIMUM OF 10 DAYS PRIOR TO THE DATE OF ACTIVATION.
9. MATERIAL CERTIFICATION IS REQUIRED PRIOR TO ORDERING ANY SIGNAL EQUIPMENT OR BEGINNING ANY INSTALLATION WORK. THE CONTRACTOR SHALL FOLLOW PROCEDURES OUTLINED IN THE LATEST EDITION OF THE GEORGIA DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF TRANSPORTATION SYSTEMS, INCLUDING ALL SUPPLEMENTAL SPECIFICATIONS (SPECIFICALLY SECTIONS 647 & 925).
10. MAST ARM OR SIGNAL SUPPORT WIRE ATTACHMENT HEIGHTS ON POLES SHALL BE FIELD DETERMINED BY INSTALLER PRIOR TO ORDERING POLES. ALL NECESSARY SIGNAL HEAD MOUNTING HEIGHTS AND CLEARANCE FROM EXISTING/PROPOSED UTILITIES AND ROADWAY SHALL BE MAINTAINED.
11. SPECIAL TYPE OF PUSH BUTTONS: (NOT THE HOUSING, JUST THE BUTTON ITSELF): COLUMBIA COUNTY WILL FURNISH THE FOLLOWING EQUIPMENT: PEDESTRIAN PUSH BUTTONS SHOULD BE PIEZO ELECTRIC SWITCHES, NOT MICRO SWITCHES, PROVIDED BY EITHER POLARA ENGINEERING OR CAMPBELL (DEPENDING ON TYPE OF HOUSING ASSEMBLY FOR SWITCHES [ROUND, RECTANGLE, OR OVAL]). THE PEDESTRIAN PUSHBUTTON STATIONS WITH BUTTONS AND SIGNS AS ON THE LIST OF MATERIALS WILL STILL NEED TO BE ORDERED. COLUMBIA COUNTY WILL JUST CHANGE OUT THE ACTUAL BUTTON INSIDE THE PEDESTRIAN BUTTON HOUSING.
12. COLUMBIA COUNTY WILL FURNISH AN INSYNC FUSION ADAPTIVE TRAFFIC CONTROL SYSTEM (BY RHYTHM ENGINEERING); INCLUDING 4 CAMERAS, INTERFACE CONTROL UNIT, PROCESSOR, PEDESTRIAN MODULE, ETC.
13. THE CONTRACTOR WILL INSTALL THE INSYNC FUSION ADAPTIVE TRAFFIC CONTROL SYSTEM (BY RHYTHM ENGINEERING); INCLUDING 4 CAMERAS, INTERFACE CONTROL UNIT, PROCESSOR, PEDESTRIAN MODULE, ETC.
14. THE CONTRACTOR SHALL FURNISH AND INSTALL THE CAMERA MOUNTING HARDWARE AND INSTALL THE CAMERAS.
15. THE CONTRACTOR SHALL FURNISH AND INSTALL CABLING REQUIRED TO CONNECT THE CAMERAS TO THE CONTROL CABINET.
16. COLUMBIA COUNTY & RHYTHM ENGINEERING SHALL PLACE THE INSYNC SYSTEM INTO OPERATION.
17. THE CONTRACTOR SHALL RUN A 12-COUNT FIBER OPTIC CABLE FROM THE NEAREST COLUMBIA COUNTY COMMUNITY BROADBAND UTILITY (C'BU) HANDHOLD (PULLBOX) AND TERMINATE SAID CABLE IN THE TRAFFIC CABINET'S FIBER TERMINATION PANEL. THE CONTRACTOR WILL CONTACT C'BU AND C'BU WILL BE RESPONSIBLE FOR COMPLETING THE SPLICING OF SAID CABLE INTO THEIR NETWORK IN THE ADJACENT C'BU HANDHOLD.
18. AS PER GEORGIA POWER COMPANY, IT IS REQUIRED THAT ALL TRAFFIC SIGNALS BE METERED. GEORGIA POWER REQUIRES THE DISCONNECT BOX BE INSTALLED BELOW THE METER. THE METER AND THE DISCONNECT BOX NEED TO BE INSTALLED ON A PEDESTAL MOUNTED STRUCTURE. SEE POWER SERVICE ASSEMBLY DETAIL.

POWER SERVICE ASSEMBLY DETAIL



TRAFFIC SIGNAL LEGEND

EXISTING UTILITIES	EXISTING SIGNAL	PROPOSED SIGNAL
EXISTING GUY WIRE	CONTROLLER CABINET	CONTROLLER CABINET
EX.OH ELECTRIC	STRAIN POLE	STRAIN POLE
EX POWER POLE	TIMBER POLE	TIMBER POLE
EX TRANSFORMER	DOWN GUY	DOWN GUY
EX.UG ELECTRIC	MAST ARM	MAST ARM
EX GAS LINE	STREET LIGHT	STREET LIGHT
EX GAS METER	3 SECTION HEAD	3 SECTION HEAD W/ BACKPLATE
EX GAS VALVE	5 SECTION HEAD	4 SECTION HEAD W/BACKPLATE
EX WATER LINE	OVERHEAD SIGN	5 SECTION HEAD W/ BACKPLATE
EX FIRE HYDRANT	PEDESTAL POLE	OVERHEAD SIGN
EX WATER METER	PED SIGNAL HEAD	PEDESTAL POLE
EX WATER VALVE	CURB CUT RAMP	PED SIGNAL HEAD
EX SANITARY SEWER	PULLBOX,TP 2	CURB CUT RAMP
EX SS MANHOLE	PULLBOX,TP 4	PULLBOX,TP 2
EX OH TELEPHONE	PULLBOX,TP 5	PULLBOX,TP 3
EX OH TELEPHONE	6x6 CALL LOOP/VIDEO ZONE	PULLBOX,TP 4
EX UG TELEPHONE	6x18 CALL LOOP/VIDEO ZONE	PULLBOX,TP 7
EX OH CABLE TV	6x40 PRESENCE LOOP (DIPOLE)/VIDEO ZONE	6x6 PULSE LOOP/VIDEO ZONE
EX UG CABLE TV	6x40 PRESENCE LOOP (QUADRUPOLE)	6x18 CALL LOOP/VIDEO ZONE
EX STORM DRAIN	CONDUIT	6x40 PRESENCE LOOP (QUADRUPOLE) WITH OVERLAPPING VIDEO DETECTION ZONE
EX CATCH BASIN	RAILROAD CONTROLLER	CONDUIT
EX DROP INLET	SIGN POST	RAILROAD CONTROLLER
EX SD MANHOLE		SIGN POST
EX COMMUNICATIONS MANHOLE		
EX ELECTRICAL HAND HOLE		



REVISION DATES		STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION	
		OFFICE:	
		SIGNAL PLANS	
		S. R. 223 ROBINSON AVENUE	
		DRAWING No. 27-001	