EXISTING UTILITIES

- EXISTING GUY WIRE
- EX.OH ELECTRIC
- EX POWER POLE
- EX TRANSFORMER
- EX.UG ELECTRIC
- EX GAS LINE
- EX GAS METER
- EX GAS VALVE
- EX WATER LINE
- EX FIRE HYDRANT
- EX WATER METER
- EX WATER VALVE
- EX SANITARY SEWER
- EX SS MANHOLE
- EX TELEPHONE MH
- EX OH TELEPHONE
- EX TELEPHONE POLE
- EX UG TELEPHONE
- EX OH CABLE TV
- EX UG CABLE TV

EXISTING SIGNAL

- CONTROLLER CABINET
- STRAIN POLE
- TIMBER POLE
- DOWN GUY
- MAST ARM
- STREET LIGHT
- 3 SECTION HEAD
- 5 SECTION HEAD
- OVERHEAD SIGN
- PEDESTAL POLE
- PED SIGNAL HEAD
- CURB CUT RAMP
- PULLBOX,TP 1
- PULLBOX,TP 2
- PULLBOX,TP 4
- PULLBOX,TP 5
- 6x6 PULSE LOOP
- 6x18 CALL LOOP
- 6x40 PRESENCE LOOP (DIPOLE)
- 6x40 PRESENCE LOOP (QUADRUPOLE)
- CONDUIT
- RAILROAD CONTROLLER
- SIGN POST

PROPOSED SIGNAL

- CONTROLLER CABINET
- STRAIN POLE
- TIMBER POLE
- DOWN GUY
- MAST ARM
- STREET LIGHT
- 3 SECTION OR 4 SECTION HEAD
- 3 SECTION OR 4 SECTION W/ BACKPLATE
- 5 SECTION HEAD
- 5 SECTION HEAD W/ BACKPLATE
- VIDEO DETECTION CAMERA
- OVERHEAD SIGN
- PEDESTAL POLE
- PED SIGNAL HEAD
- CURB CUT RAMP -(See ADA Detail)
- PULLBOX,PB-1
- PULLBOX,PB-2
- PULLBOX,PB-3
- PULLBOX,PB-6
- PULLBOX,PB-7
- 6x6 PULSE LOOP OR DETECTION ZONE
- 6x18 CALL LOOP OR DETECTION ZONE
- 6x40 PRESENCE LOOP(DIPOLE)OR DET ZONE
- 6x40 PRESENCE LOOP (QUADRUPOLE)
- CONDUIT,TRENCHED
- CONDUIT,DIRECTIONAL BORED
- RAILROAD CONTROLLER
- SIGN POST

PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS.....BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS —C— —F—	LIMIT OF ACCESS
EASEMENT FOR CONSTRUCTION & MAINTENANCE OF SLOPES	R/W AND LIMIT OF ACCESS
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

TRAFFIC SIGNAL GENERAL NOTES

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) 646-6689. THE CONTRACTOR SHALL CONTACT THE GEORGIA DEPARTMENT OF TRANSPORTATION DISTRICT OFFICE, TO ESTABLISH PARAMETERS FOR REMOVAL, STORAGE, AND DELIVERY OF EXISTING TRAFFIC SIGNAL EQUIPMENT 48 HOURS PRIOR TO DELIVERY.
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, AND THE DISTRICT'S TRAFFIC CONTROL CENTER. CLOSED LOOP SYSTEM DEMONSTRATION IS REQUIRED AT CENTRAL SITES, NOTED PRIOR TO FINAL ACCEPTANCE.
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.
13. ALL TRAFFIC SIGNAL WORK, MATERIALS AND INSTALLATION SHALL CONFORM TO THE DEPARTMENT'S SPECIFICATION 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. 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.
15. 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. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL CHARGES ASSOCIATED WITH MONTHLY UTILITY SERVICE TO THE TRAFFIC SIGNAL INSTALLATION 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.
16. ALL PULL BOXES FOR SET-BACK LOOP LEAD IN CABLE TO CONTROLLER SHALL BE TYPE 2 PULL BOXES. PULL BOX SPACING FOR SETBACK 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.
17. THE CONTRACTOR WILL BE RESPONSIBLE FOR ADJUSTMENTS TO EXISTING TRAFFIC SIGNAL INDICATIONS AS REQUIRED BY CONSTRUCTION FOR LANE SHIFTS AND TRAFFIC CONTROL, AND BE RESPONSIBLE FOR ADDITIONAL SIGNAL INDICATIONS REQUIRED BY CONSTRUCTION LANE SHIFTS, AT NO COST TO THE DEPARTMENT.
18. THE CONTRACTOR WILL CONTACT THE DISTRICT SIGNAL OFFICE AT LEAST 14 DAYS 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.
19. THE CONTRACTOR WILL ADVISE THE PROJECT MANAGER A MINIMUM 3 DAYS PRIOR TO ANY TRAFFIC SIGNAL WORK BEGINNING.
20. CONTRACTOR IS RESPONSIBLE FOR ENSURING PROPER CLEARANCES ARE MET CONCERNING UTILITIES, STRAIN POLES AND EDGE OF PAVEMENT, CLEAR ZONE REQUIREMENTS.

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ATKINS

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PROGRAM DELIVERY

SIGNAL PLANS

LEGEND

DRAWING No. 27-000