

**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, INCLUDING SUBSEQUENT PUBLISHED RULINGS.
2. ALL SIGNAL INSTALLATION METHODS, PROCEDURES AND MATERIALS SHALL BE IN ACCORDANCE WITH THE GEORGIA DEPARTMENT OF TRANSPORTATION CURRENT STANDARD AND SUPPLEMENTAL SPECIFICATIONS AND STANDARD DETAILS FOR TRAFFIC SIGNAL INSTALLATION.
3. 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.
4. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL VERTICAL AND HORIZONTAL AERIAL CLEARANCES PER NEC AND GDOT SPECIFICATIONS.
5. ALL PUSH BUTTONS SHALL MEET ADA REQUIREMENTS FOR LOCATION AND FUNCTION.
6. ALL RAMPS SHALL BE ADA ACCESSIBLE. SEE CONSTRUCTION PLANS FOR TYPE AND PLACEMENT. SEE GDOT SPECIAL DETAILS REGARDING CURB CUT (WHEELCHAIR) RAMPS. DETECTABLE WARNING SURFACES ON RAMPS ARE TO BE OF RED COLOR.
7. ALL SIGNAL POLES SHALL BE GROUNDED SEPARATELY.
8. CONTROLLER SHALL BE GROUNDED SEPARATELY.
9. STRAIN POLE HAND-HOLES SHALL BE ON BACK OF POLE WITH RESPECT TO THE ROADWAY.
10. SHIELDED CABLE WILL BE USED FOR DETECTOR RUNS AS SHOWN ON THE DETAIL SHEET. DETECTORS SHALL HAVE SEPARATE LEAD-INS TO THE CONTROL CABINET.
11. CONDUIT INSTALLATIONS UNDER ANY ROADWAY SHALL BE HDPE OR EQUIVALENT AND INSTALLED BY DIRECTIONAL BORE
12. THE CONTRACTOR SHALL LOCATE UNDERGROUND UTILITIES IN VICINITY OF NEW TRAFFIC SIGNAL POLES BEFORE INSTALLATION. 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.
13. CLEAR ZONE SHALL BE MAINTAINED FROM EDGE OF TRAVEL LANE TO ALL FIXED OBJECTS.
14. COORDINATE WITH UTILITY COMPANIES FOR RELOCATION OF UTILITY POLES. A 10' CLEAR ZONE SHALL BE MAINTAINED BETWEEN OVERHEAD POWER UTILITIES AND SIGNAL EQUIPMENT.
15. 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 LOCATION(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.
16. VIDEO DETECTION CAMERAS SHALL BE FIELD LOCATED FOR OPTIMUM VEHICLE DETECTION. THE PROJECT ENGINEER MUST APPROVE THE CAMERA POSITION PRIOR TO CAMERA OR CABLE INSTALLATION. CONTRACTOR SHALL OBSERVE DETECTION DURING DAWN, NOON AND DUSK HOURS AND ADJUST FOR MAXIMUM PERFORMANCE.

17. ALL SIGNAL AND PEDESTRIAN HEADS SHALL BE LIGHT EMITTING DIODES (LED) AND HAVE RIGID MOUNTING HARDWARE BODY, DOOR AND VISOR SHALL BE COLORED BLACK.
18. INSTALLATION IS TO BE CHECKED AND ACCEPTED BY THE CITY OF AUGUSTA AND GDOT DISTRICT 2, AREA - TRAFFIC ENGINEERS PRIOR TO FINAL ACCEPTANCE.
19. SIGNAL EQUIPMENT TO BE DELIVERED TO CITY OF AUGUSTA EXCEPT FOR THE 5TH STREET SIGNAL EQUIPMENT, WHICH WILL BE DELIVERED TO GDOT DISTRICT 2 SIGNAL ENGINEER (478) 522-4625
20. FOR STRAIN POLE FOUNDATION SIZE AND REINFORCEMENT, SEE STRAIN POLE AND MAST ARM POLE FOUNDATION DETAIL TS-06.
21. MATERIAL CERTIFICATION IS REQUIRED PRIOR TO BEGINNING ANY SIGNAL INSTALLATION WORK. THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF AUGUSTA TRAFFIC ENGINEER
22. CONTRACTOR SHALL LABEL CONDUIT IN PULLBOXES WITH WEATHERPROOF TAGS AS TO DIRECTION OF CONDUIT RUNS, EXAMPLE. TO NW, TO SE, ETC.
23. ALL UTILITY WORK REQUIRES A UTILITY PERMIT FROM THE UTILITY OWNER TO THE GDOT UTILITY DEPARTMENT.
24. MAST ARM AND 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.
25. SAWCUTS AND REMOVAL OF ALL CONCRETE ASSOCIATED WITH CURB CUT RAMPS SHALL BE INCLUDED IN THE SIDEWALK PAY ITEM.
26. 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, GUARDRAILS, LANDSCAPING, GRASSINGS, UTILITY SERVICE LINES, STORM DRAIN PIPES, MASONRY WALLS AND PAVING THAT IS REMOVED, DAMAGED OR DESTROYED DUE TO CONTRACTOR'S ACTIVITY.
27. ALL TRAFFIC MARKING, SYMBOLS OR STRIPING TO BE REMOVED AND/OR REPLACED SHALL BE PAID FOR IN THE TRAFFIC CONTROL LUMP SUM ITEM. ERADICATION SHOULD BE DONE USING WATER BLASTING METHODS.
28. NOTICE OF INTENT (NOI) IS NOT REQUIRED FOR THIS PROJECT.
29. IF ANY CONTAMINATED SOIL IS ENCOUNTERED DURING THE CONSTRUCTION PROCESS IT WILL BE PLACED IN AN APPROPRIATE CONTAINER FOR DISPOSAL IN A LICENSED HAZARDOUS WASTE LANDFILL.
30. ALL STEEL STRAIN POLES, MAST ARMS, AND LIGHTING STD'S TO BE COATED WITH A BLACK MATTE POWDER COATED FINISH.
31. ALL EXISTING HISTORIC STREET NAME SIGNS CURRENTLY ATTACHED TO MAST ARMS ARE TO BE SALVAGED TO THE CITY OF AUGUSTA. CONTACT THE CITY TRAFFIC SIGNAL ENGINEER AT (706)-821-1710 TO ARRANGE DELIVERY.

**GENERAL NOTES FOR SIGNING**

1. ALL STANDARD HIGHWAY SIGNS SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE DETAILS SHOWN IN THE PLANS, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, AND THE GEORGIA STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND/OR SPECIAL PROVISION.
2. SIGN ERECTION LOCATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS WHERE NECESSARY, BUT SHALL BE WITHIN THE LIMITATIONS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION. NO SIGN LOCATION SHALL BE CHANGED BY THE CONTRACTOR OR BY THE PROJECT ENGINEER WITHOUT PRIOR APPROVAL FROM THE OFFICE OF TRAFFIC OPERATIONS.
3. ALL STANDARD HIGHWAY SIGNS SHALL BE ERECTED AT THE HEIGHT OF 7 FEET ABOVE THE NORMAL EDGE OF PAVEMENT TO THE BOTTOM OF THE SIGN OR ASSEMBLY.
4. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS ON ALL OTHER ROADWAYS SHALL BE 6 FEET FROM THE EDGE OF THE PAVED SHOULDER OR 12 FEET FROM THE NORMAL EDGE OF PAVEMENT TO THE NEARER EDGE OF THE SIGN(S), WHICHEVER IS GREATER. THE HORIZONTAL CLEARANCE IN NON-MOUNTABLE CURB SECTION SHALL BE AT LEAST 2 FEET FROM THE CURB FACE TO THE NEARER EDGE OF THE SIGN(S).
5. TYPE 1X (WIDE ANGLE PRISMATIC) REFLECTIVE SHEETING SHALL BE USED FOR ALL RED SERIES SIGNS (R1-1, R1-2, R1-3A, R1-4A, R5-1),
6. TYPE 1X (WIDE ANGLE PRISMATIC) FLUORESCENT YELLOW GREEN REFLECTIVE SHEETING SHALL BE USED FOR SCHOOL ZONE (S1-1, S2-1, S3-1, S4-3, AND THE TOP PORTION OF THE S5-1) SIGNS, BICYCLE CROSSING (W11-1) SIGNS, AND PEDESTRIAN CROSSING (W11-2 AND W11A-2) SIGNS. SIGNS WITHIN THE SAME ASSEMBLY AS THE SCHOOL ZONE SIGNS SPECIFICALLY LISTED ABOVE AND ALL REGULATORY SIGNS PLACED AS PART OF THE SCHOOL ZONE SIGNING SHALL HAVE TYPE 1X (WIDE ANGLE PRISMATIC) REFLECTIVE SHEETING BACKGROUNDS OF THE APPROPRIATE COLOR.
7. TYPE 1X (WIDE ANGLE PRISMATIC) FLUORESCENT YELLOW REFLECTIVE SHEETING SHALL BE USED FOR ALL WARNING SIGNS.



**Know what's below  
Call before you dig**



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REVISION DATES	
02/15/10	

STATE OF GEORGIA  
DEPARTMENT OF TRANSPORTATION  
**BROAD STREET SIGNAL AND  
LIGHTING UPGRADES**

GENERAL NOTES

DRAWING NO.  
**4-01**