

STANDARD SIGN SUMMARY GENERAL NOTES

- 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 SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS, AND/OR SPECIAL PROVISIONS.
- SIGN ERECTION STATIONS 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 SAFETY AND DESIGN.
- ALL STANDARD HIGHWAY SIGNS SHALL BE ERECTED AT A HEIGHT OF SEVEN (7) FEET ABOVE THE NORMAL EDGE OF PAVEMENT TO THE BOTTOM OF THE SIGN OR ASSEMBLY.
- HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS ON ALL OTHER ROADWAYS SHALL BE SIX (6) FEET FROM THE EDGE OF THE PAVED SHOULDER OR TWELVE (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 SECTIONS SHALL BE AT LEAST TWO (2) FEET FROM THE CURB FACE TO THE NEARER EDGE OF THE SIGN(S).
- HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS MOUNTED BEHIND GUARD RAIL SHALL BE SIX (6) FEET FROM THE FACE OF THE GUARD RAIL TO THE NEARER EDGE OF THE SIGN(S).
- SIGNAL PLATE, HORIZONTAL RECTANGULAR SIGNS OVER FORTY-EIGHT (48) INCHES IN WIDTH SHALL BE MOUNTED ON TWO (2) POSTS WITH TWO (2) EACH 2 INCH X 1/2 INCH X (WIDTH OF SIGN) ALUMINUM OR GALVANIZED STEEL STRAPS. THE STRAPS SHALL BE FLUSH WITH THE BACK OF THE SIGN WITH ONE EACH ACROSS THE TOP AND BOTTOM OF THE SIGN. THE CENTERLINE OF EACH POST SHALL BE INSET 1/6TH OF THE SIGN WIDTH FROM THE EDGE OF THE SIGN. SIGN PLATE BOLT HOLES SHALL BE 3/8 INCH DIAMETER, DRILLED OR PUNCHED, AS SHOWN ON THE SIGN PLATE DETAILS.
- EACH 42 OR 48 INCH WIDE X 18 OR 24 INCH HIGH SIGN REQUIRES ONE 2 INCH X 1/2 INCH X (WIDTH OF SIGN) ALUMINUM OR GALVANIZED STEEL STRAP LOCATED IN THE CENTER OF THE SIGN AND FLUSH WITH THE BACK OF THE SIGN.
- SIGN ASSEMBLIES SHALL BE MOUNTED ON ALUMINUM OR GALVANIZED STEEL STRAP FRAMES. FOR DETAILS AND STRAP SPECIFICATIONS REFER TO SIGN ASSEMBLY - TYPICAL FRAMING DETAILS.
- TYPE 111 (ENCAPSULATED LENS) REFLECTIVE SHEETING SHALL BE USED FOR ALL STANDARD HIGHWAY SIGNS REQUIRING REFLECTORIZED BACKGROUNDS EXCEPT AS SPECIFIED BELOW OR SPECIFIED OTHERWISE IN THE PLANS. EITHER CLASS 1 OR CLASS 2 ADHESIVE BACKING IS PERMISSIBLE.
- 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, R5-1A).
- 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 VI (WIDE ANGLE PRISMATIC) REFLECTIVE SHEETING BACKGROUNDS OF THE APPROPRIATE COLOR.
- TYPE 1X (WIDE ANGLE PRISMATIC) FLUORESCENT YELLOW REFLECTIVE SHEETING SHALL BE USED FOR ALL WARNING SIGNS.
- A 1/2 INCH MINIMUM AIR SPACE SHALL BE REQUIRED BETWEEN ALL SIGN PLATES WITHIN AN ASSEMBLY.
- WHERE SIGNS WITHIN AN ASSEMBLY EXTEND BELOW THE STANDARD MOUNTING HOLES ON THE POST(S), ADDITIONAL 3/8 INCH DIAMETER HOLES(S), DRILLED OR PUNCHED, SHALL BE REQUIRED TO PROPERLY MOUNT THE ASSEMBLY.

- FOR DETAILS OF SPECIAL DESIGN HIGHWAY SIGNS, SEE DETAILS OF MISCELLANEOUS SIGNS.
- CONTRACTOR WILL, AS REQUIRED BY THE DISTRICT TRAFFIC OPERATIONS ENGINEER, BE REQUIRED TO REMOVE ANY EXISTING SIGNS THAT ARE DUPLICATED OR ARE CONTRARY TO THESE SIGN PLANS.
- CONTRACTOR WILL RETURN ALL SALVAGEABLE SIGNS TO THE DEPARTMENT OF TRANSPORTATION.

TYPE OF PIPE INSTALLATION	C O M P O S I T I O N	CORRUGATED STEEL AASHTO M-36		CORRUGATED ALUMINUM AASHTO M-196	PLASTIC			
		ALUMINUM COATED (TYPE 2) CORR. STEEL	PLAIN ZINC COATED	PLAIN UNCOATED ALUMINUM	CORR. POLY-ETHYLENE AASHTO M-252	CORR. POLY-ETHYLENE SMOOTH LINED AASHTO M-294 TYPE 'S'	POLY VINYL CHLORIDE (PVC) PROFIL WALL AASHTO M-304	POLY VINYL CHLORIDE (PVC) CORRUGATED SMOOTH INTER ASTM F-949
LONGITUDINAL INTERSTATE AND TRAVEL BEARING	X							
LONGITUDINAL NON-INTERSTATE AND NON-TRAVEL BEARING	X	X		X	X	X	X	X
CROSS DRAIN	GRADE ≤ 10%	ADT < 250	X	X	X	X	X	X
		250 < ADT < 1500	X		X	X	X	X
		1,500 < ADT < 15,000	X			X	X	X
		ADT > 15,000	X					
GRADE > 10%	ADT < 250		X	X	X	X	X	
	ADT > 250			X	X	X	X	
SIDE DRAIN	X	X	X	X	X	X	X	
PERMANENT SLOPE DRAIN		X	X	X	X	X	X	
PERFORATED UNDERDRAIN		X	X	X	X	X	X	

1. ALLOWABLE MATERIALS ARE INDICATED BY AN "X".
 2. STRUCTURAL REQUIREMENTS OF STORM DRAIN PIPE WILL BE IN ACCORDANCE WITH GEORGIA STANDARD 1030-D OR 1030-F, WHICHEVER IS APPLICABLE, AND THE STANDARD SPECIFICATIONS.
 3. Graded aggregate backfill shall be used in cross drain applications for all plastic pipes (AASHTO M-294, HDPE pipe; AASHTO M-304, PVC pipe; ASTM F-949, PVC pipe).
 4. The Contractor shall provide additional storm sewer capacity calculations if a pipe material other than concrete is selected.
 5. Pipe used under mechanically stabilized earth (MSE) walls, within MSE wall backfill, or within five feet of an MSE wall face.
 6. Project specific pH and Resistivity values are entered into the respective boxes above to determine allowable pipe materials.
 Cross Drain and Storm Drain Pipe
 Unless noted otherwise in the plans, the pipe sizes specified for cross drain pipe and storm drain pipe are based on a Manning's 'N' design value of 0.012. Alternate pipe materials with Manning's 'N' design values less than or equal to 0.012 may be used as noted in the Allowable Pipe Materials Chart.
 The Contractor may, at his own expense, submit other designs considering alternative pipe materials with Manning's 'N' design values greater than 0.012 to the Project Engineer for approval. The submitted designs shall be stamped and sealed by a qualified Professional Engineer.
 Side Drain Pipe and Under Drain Pipe
 Alternate pipe materials may be used as noted in the Allowable Pipe Materials Chart. Side drain pipe is normally designed using a Manning's 'N' value for corrugated metal pipe. Submission of alternate designs with lesser friction coefficients is not required.

GENERAL NOTES

- THIS PROJECT REQUIRES A N.O.I.
- THERE IS NO AVAILABLE BRIDGE BURIAL SITE WITHIN THE PROJECT LIMITS. THE CONTRACTOR WILL BE RESPONSIBLE FOR DISPOSING OF THE EXISTING BRIDGE.
- BORROW PITS WASTE AND STOCKPILE SITES SHALL BE ENVIRONMENTALLY APPROVED BEFORE USE
- SOIL CONTAMINATION WAS FOUND AT SITE 1/ PARCEL 6. ANY EXCAVATED SOIL FROM THIS SITE MUST BE DISPOSED OF AT A PERMITTED LINED MUNICIPAL SOLID WASTE LANDFILL.
- CONTAMINATION FROM USTS WAS NOT ENCOUNTERED WITHIN THE REQUIRED RIGHT-OF-WAY AT SITE NOS. 2, 3, AND 4. SINCE CONTAMINATION WAS NOT ENCOUNTERED, IT APPEARS THAT RIGHT-OF-WAY ACQUISITION AT THESE SITES MAY PROCEED. THE USTS DO NOT APPEAR TO BE WITHIN THE REQUIRED RIGHT-OF-WAY AT SITE NOS. 2 AND 3. THE LOCATION OF THE USTS AT SITE NO. 4 COULD NOT BE DETERMINED AT THIS TIME. IF USTS ARE ENCOUNTERED BY THE DEPARTMENT'S CONSTRUCTION PERSONNEL AT SITE NO. 4 DURING PROJECT IMPLEMENTATION, THEY SHALL BE HANDLED IN ACCORDANCE WITH GDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION, SECTION 217 - REMOVAL OF UNDERGROUND STORAGE TANK
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MATERIALS, INSTALLATION, MAINTENANCE, AND REMOVAL OF THE DETOUR AND THE COST WILL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL.
- ALL ABANDONED PIPES MUST BE REMOVED UNLESS OTHERWISE NOTED ON THE PLANS
- ANY TEMPORARY SHORING WILL NOT BE MEASURED FOR PAYMENT, BUT SHALL BE INCLUDED IN THE OVERALL BID SUBMITTED
- ALL PERMANENT SAFETY FEATURES SHALL BE INSTALLED AND FULLY OPERATIONAL BEFORE THE ROADWAY IS RE-OPENED. ALL PAVING OPERATIONS SHALL BE COMPLETED AND PERMANENT PAVEMENT MARKING, WORDS, AND SYMBOLS SHALL BE IN PLACE.
- CENTIPEDE SOD IS REQUIRED THROUGHOUT THE PROJECT
- THE CONTRACTOR SHALL REMOVE THE TACO BELL SIGN AT STATION 107+33.26, 82.48' RT AND THE DOUBLE BILLBOARD SIGN AT STATION 109+71.58, 61.52' LT. THE COST OF THE REMOVAL OF THESE SIGNS SHALL BE INCLUDED IN THE GRADING COMPLETE COST.
- PRICE OF THE REMOVAL OF THE TEMPORARY SIGNAL SHALL BE INCLUDED IN THE IN THE TEMPORARY TRAFFIC SIGNAL INSTALLATION LUMP SUMP COST

UTILITY OWNER	FACILITY
GA POWER TRANSMISSION-CITY OF MOULTRIE	TELEPHONE ELECTRICAL
MEDIACOM	CABLE TV
CITY OF MOULTRIE	SEWER/WATER/GAS



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ENVIRONMENTAL RESOURCES IMPACT TABLE

RESOURCE NAME/TYPE	LOCATION		SIDE	CONSTRUCTION ACTIVITY	PERMITTED ACTIVITY	CONTROLLING CRITERIA	SPECIAL PROVISION?	COMMENTS INCLUDING ANY PERMIT EXPIRATION DATES
	BEGINNING STA	ENDING STA						
WETLAND 1	106+50	108+10	LT	BRIDGE AND ROADWAY CONSTRUCTION, AND CONSTRUCTION OF SLOPES AND EMBANKMENTS	0.05 ACRES OF PERMANENT IMPACT AND 0.03 ACRES TEMPORARY IMPACT	A USACOE NW 23/33, SECTION 404 PERMIT WITH PRE-CONSTRUCTION NOTIFICATION		AREA DISTURBED WITHIN THE WETLAND SHALL BE REPLACED IN ACCORDANCE WITH THE SPECIFICATIONS. IMPACTS ARE PERMITTED TO THE RIGHT OF WAY
STREAM 2 BUFFER	107+90	109+04	LT	DEMOLITION OF OLD BRIDGE AND CONSTRUCTION OF NEW BRIDGE	ACTIVITIES WITHIN 100' OF PROPOSED BRIDGE	PROTECTION OF ENDANGERED SPECIES	107.23 G	ROADWAY DRAINAGE EXEMPTION-WORK BEYOND 100' OF PROPOSED BRIDGE WILL REQUIRE A BUFFER VARIANCE OR WRITTEN PERMISSION FROM EPD PRIOR TO COMMENCEMENT TO THE ACTIVITY
STREAM 2 BUFFER	107+90	109+04	RT	DEMOLITION OF OLD BRIDGE AND CONSTRUCTION OF NEW BRIDGE	ACTIVITIES WITHIN 100' OF PROPOSED BRIDGE	PROTECTION OF ENDANGERED SPECIES	107.23 G	ROADWAY DRAINAGE EXEMPTION-WORK BEYOND 100' OF PROPOSED BRIDGE WILL REQUIRE A BUFFER VARIANCE OR WRITTEN PERMISSION FROM EPD PRIOR TO COMMENCEMENT TO THE ACTIVITY

GEORGIA
DEPARTMENT
OF
TRANSPORTATION

REVISION DATES

4/14/11		
4/29/11		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 4
GENERAL NOTES