

29. CONTRACTOR SHALL REMOVE AND RESET LIGHTING STANDARDS AS REQUIRED FOR CONSTRUCTION ACTIVITIES. ALL COSTS ASSOCIATED WITH CONDUIT AND WIRING WILL BE PAID FOR UNDER REMOVE AND REST LIGHTING STANDARD PAY ITEMS.
30. IF THE SHOULDER PAVING ALTERNATE FOR PLAIN PC CONC PVMT, CL1 CONC, 8 INCH THK IS CHOSEN AND THE MAINLINE PAVING ALTERNATE FOR PLAIN PC CONC PVMT, CL1 CONC, 12 INCH THK IS CHOSEN, THEN THE SHOULDERS SHALL BE TIED TO THE MAINLINE AND THE SHOULDER SLABS SHALL BE DOWELED. THE CENTER OF THE TIEBARS TO THE MAINLINE SHALL BE PLACED AT HALF THE SHOULDER DEPTH OF 4 INCHES.
31. IF THE SHOULDER PAVING ALTERNATE FOR PLAIN PC CONC PVMT, CL 1 CONC, 8 INCH THK IS CHOSEN AND THE MAINLINE PAVING ALTERNATE FOR CONT REINF CONC PVMT, CL 1 CONC, 12 INCH THK IS CHOSEN, THEN THE SHOULDERS SHALL NOT BE TIED TO THE MAINLINE. THE SHOULDERS SLABS SHALL BE DOWELED.
32. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING GDOT UTILITIES THAT SERVICE THE REST AREA.

**SIGNING & MARKING GENERAL NOTES**

1. OVERHEAD HIGHWAY SIGNS SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, AND ALL SUPPLEMENTS THERE TO, AS WELL AS TO THE GEORGIA STANDARD SPECIFICATIONS AND/OR SPECIAL PROVISIONS.
  2. OVERHEAD HIGHWAY SIGNS SHALL BE FABRICATED WITH ALUMINUM BOLTED EXTRUDED PANELS.
  3. BACKGROUNDS FOR OVERHEAD HIGHWAY SIGNS SHALL BE STANDARD INTERSTATE GREEN, TYPE III (ENCAPSULATED LENS) REFLECTIVE SHEETING, UNLESS SPECIFIED OTHERWISE IN THE PLANS.
  4. LEGENDS FOR OVERHEAD HIGHWAY SIGNS SHALL BE WHITE, TYPE IX (PRISMATIC LENS) REFLECTIVE SHEETING LETTERS, NUMERALS, SYMBOLS, AND BORDERS ON 0.032 INCH ALUMINUM CUTOUTS.
  5. SHIELDS SHALL BE 0.08 INCH ALUMINUM OF THE SIZE AND SHAPE SPECIFIED IN THE PLANS. U.S. AND GEORGIA SHIELD LEGEND SHALL BE BLACK NUMERALS AND LETTERS SILK SCREENED ON WHITE, TYPE IX (PRISMATIC LENS) REFLECTIVE SHEETING BACKGROUNDS WITH NO BORDERS. INTERSTATE SHIELDS SHALL BE PER THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION.
  6. FOR DETAILS OF U.S. AND INTERSTATE SHIELDS AND ARROWS, REFER TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION.
  7. LEGENDS FOR OVERHEAD HIGHWAY SIGNS SHALL BE FASTENED TO SIGN WITH ALUMINUM PULL-THROUGH BLIND RIVETS OR WITH AN APPROVED NON-CORROSIVE FASTENER.
  8. SPACING BETWEEN LETTERS OR OTHER CHARACTERS THAT IS NOT SHOWN IN THE PLANS MAY BE RECOMMENDED BY THE MANUFACTURER, BUT SHALL CONFORM TO INTERSTATE SIGNING REQUIREMENTS.
  9. YELLOW OVERLAYS SHALL BE 0.08 INCH ALUMINUM OF THE SIZE SPECIFIED IN THE PLANS. LEGENDS SHALL BE BLACK LETTERS, NUMERALS, AND SYMBOLS SILK SCREENED ON STANDARD INTERSTATE YELLOW, TYPE III (ENCAPSULATED LENS) REFLECTIVE SHEETING BACKGROUNDS. SEE GENERAL NOTE NO. 4 FOR BORDER. SIGN PANELS BEHIND YELLOW OVERLAYS SHALL BE THE SAME COLOR AS THE REST OF THE SIGN.
  10. STRUCTURE NUMBER SHALL BE PLACED ON OUTSIDE SHOULDER VERTICAL SUPPORT OF STRUCTURE USING DIE CUT, 6 INCH SERIES "E MOD," WHITE TYPE I (ENCLOSED LENS) REFLECTIVE SHEETING CHARACTERS ON STANDARD INTERSTATE GREEN, TYPE I (ENCLOSED LENS) REFLECTIVE SHEETING. THE STRUCTURE NUMBER, WHICH SHALL READ FROM TOP TO BOTTOM, SHALL BE PLACED AT EYE LEVEL AND POSITIONED SO THAT IT IS VISIBLE TO ONCOMING TRAFFIC. COAT AREA WHERE STRUCTURE IS TO BE PLACED WITH PRIMER AND ALLOW TO DRY BEFORE PLACING STRUCTURE NUMBER.  
  
ON TYPE VII STRUCTURES, STRUCTURE NUMBER SHALL BE PLACED ON TYPE 1 ALUMINUM SIGN MATERIAL WITH GREEN, ENGINEERING GRADE, REFLECTIVE SHEETING BACKGROUND AND ATTACHED TO BRIDGE PIER ON OUTSIDE SHOULDER IN THE SAME ORIENTATION AS ABOVE.
  11. FOR ASSEMBLY DETAILS AND ASSEMBLY COMPONENTS DETAILS ON ALUMINUM BOLTED EXTRUDED PANELS, REFER TO GEORGIA STANDARDS 9041 AND 9042.
  12. ANCHOR BOLTS SHALL MEET THE REQUIREMENTS OF AASHTO M 314 GRADE 55.
  13. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO AVOID ANY INTERFERENCE WITH UNDERGROUND UTILITIES. ANY DAMAGE TO UTILITIES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. CONTRACTOR SHALL CALL 811 PRIOR TO ANY DIGGING.
- STANDARD SIGN NOTES**
14. 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.
  15. 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.
  16. ALL STANDARD HIGHWAY SIGNS SHALL BE ERECTED AT A HEIGHT OF 7 FEET ABOVE THE NORMAL EDGE OF PAVEMENT TO THE BOTTOM OF THE SIGN OR ASSEMBLY.
  - 17a. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS ON INTERSTATE HIGHWAYS SHALL BE 32 FEET FROM THE NORMAL EDGE OF PAVEMENT TO THE NEARER EDGE OF THE SIGN(S), UNLESS SPECIFIED OTHERWISE IN THE PLANS. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS ON RAMPS SHALL BE 2 FEET FROM THE NORMAL EDGE OF PAVED SHOULDER, OR EDGE OF GRADED SHOULDER WHEN PRESENT.

PIPE CULVERT MATERIAL ALTERNATES FOR COASTAL PLAIN REGION									
TYPE OF PIPE INSTALLATION	CONCRETE	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 SMOOTHED LINED AASHTO M-294 TYPE "S"	POLY VINYL CHLORIDE (PVC) PROFILE WALL AASHTO M-304	POLY VINYL CHLORIDE (PVC) CORRUGATED SMOOTH INTERIOR ASTM F-949	
LONGITUDINAL INTERSTATE AND TRAVEL BEARING	X								
LONGITUDINAL NON-INTERSTATE AND NON-TRAVEL BEARING	X	X		X		X	X	X	
STORM DRAIN	GRADE ≤ 10%	ADT < 250	X	X	X		X	X	X
		250 < ADT < 1500	X			X	X	X	
		1500 < ADT < 15000	X				X	X	X
		ADT > 15000	X						
GRADE > 10%	ADT < 250		X	X	X		X	X	
	ADT > 250				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	

**NOTE:**

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-P, 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; PVC PIPE; ASTM F-949, PVC PIPE).
4. THE CONTRACTOR SHALL PROVIDE ADDITIONAL STORM SEWER CAPACITY CALCULATIONS IS A PIPE MATERIAL OTHER THAN CONCRETE IS SELECTED.

**GEORGIA**  
DEPARTMENT  
OF  
TRANSPORTATION

**REVISION DATES**

STATE OF GEORGIA  
DEPARTMENT OF TRANSPORTATION  
OFFICE: ROADWAY DESIGN

**GENERAL NOTES**

DRAWING No.  
4-02