

29. OMITTED
30. IF THE OUTSIDE SHOULDER PAVING ALTERNATE FOR PLAIN PC CONC PVMT, CL1 CONC, 8 INCH THK IS CHOSEN THEN THE OUTSIDE SHOULDER SHALL BE TIED TO THE MAINLINE AND THE SHOULDER SLABS SHALL BE DOWELED. THE CENTER OF THE TIE BARS TO THE MAINLINE SHALL BE PLACED AT HALF THE SHOULDER DEPTH OF 4 INCHES.
31. OMITTED
32. OMITTED
33. IF THE CONTRACTOR CHOOSES TO USE ALTERNATE 2 (RCC) FOR THE SHOULDER CONSTRUCTION, THE CONTROL JOINTS WILL BE 1/8 INCH AND SAWN TO 1/4 DEPTH OF THE COMPACTED RCC SHOULDER. THE JOINTS WILL BE SPACED AT 30 FEET AND SEALED WITH A LOW MODULUS SILICONE SEALANT. THE COST OF THIS WORK WILL NOT BE MEASURED AND PAID FOR SEPARATELY. THE COST OF THIS WORK WILL BE INCLUDED IN THE BID PRICE SUBMITTED FOR ITEM 442 ROLLER COMPACTED CONCRETE PAVEMENT. ADDITIONALLY, IF THE CONTRACTOR'S PAVING EQUIPMENT OR CONSTRUCTION METHOD REQUIRES ADDITIONAL BASE MATERIAL ADJACENT TO LANE 3 OR THE SHOULDER, THE COST OF THIS WORK WILL BE INCLUDED IN THE BID PRICE SUBMITTED FOR ITEM 442 ROLLER COMPACTED CONCRETE. ADDITIONALLY, THE CONTRACTOR SHALL USE DIAMOND GRINDING TO FINISH THE RCC AS SPECIFIED IN THE PLANS.
34. IF THE CONTRACTOR CHOOSES TO USE ALTERNATE 3 (PCC) FOR THE SHOULDER CONSTRUCTION, THE CONTRACTOR WILL CONSTRUCT THE SHOULDERS AT 15 FOOT JOINT SPACING WITH DOWEL BARS. ADDITIONALLY, IF THE CONTRACTOR'S PAVING EQUIPMENT OR CONSTRUCTION METHOD REQUIRES ADDITIONAL BASE MATERIAL ADJACENT TO LANE 3 OR THE SHOULDER, THE COST OF THIS WORK WILL BE INCLUDED IN THE BID PRICE SUBMITTED FOR ITEM 430 PLAIN PC CONCRETE PAVEMENT.
35. IF THE CONTRACTOR CHOOSES TO USE ALTERNATE 1 (ASPHALT) FOR THE SHOULDER CONSTRUCTION. NO SEPARATE PAYMENT WILL BE MADE IF THE CONTRACTOR'S PAVING EQUIPMENT OR CONSTRUCTION METHOD REQUIRES ADDITIONAL BASE MATERIAL ADJACENT TO LANE 3 OR THE SHOULDER, THE COST OF THIS WORK SHALL BE INCLUDED IN THE OVERALL BID PRICE SUBMITTED FOR PAY ITEM 402 RECYCLED ASPH CONCRETE PAVEMENT.

PIPE CULVERT MATERIAL ALTERNATES FOR COASTAL PLAIN REGION									
TYPE OF PIPE INSTALLATION	C O N C R E T E	CORRUGATED STEEL AASHTO M-36		CORRU- GATED 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	
C R O S S D R A I N	G R A D E ≤ 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						
G R A D E > 10%	ADT < 250		X	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	

- NOTE:
- ALLOWABLE MATERIALS ARE INDICATED BY AN "X".
 - 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.
 - 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).
 - THE CONTRACTOR SHALL PROVIDE ADDITIONAL STORM SEWER CAPACITY CALCULATIONS IS A PIPE MATERIAL OTHER THAN CONCRETE IS SELECTED.
 - PIPE USED UNDER MECHANICALLY STABILIZED EARTH (MES) WALLS, WITHIN MSE WALL BACKFILL, OR WITHIN FIVE FEET OF AN MSE WALL FACE SHALL BE CLASS V CONCRETE PIPE.
 - PROJECT SPECIFIC pH AND RESISTIVITY VALUES ARE ENTERED INTO THE RESPECTIVE BOXES ABOVE TO DETERMINE ALLOWABLE PIPE MATERIALS.

USE ON CONSTRUCTION

3/1/2007 GPLN

GEORGIA
DEPARTMENT
OF
TRANSPORTATION

REVISION DATES	
09-27-2010	

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: ROADWAY DESIGN

GENERAL NOTES

DRAWING No.
4-02