

GENERAL NOTES:

1. SPECIFICATIONS: GEORGIA STANDARD, CURRENT EDITION, AND SUPPLEMENTS THERETO.
2. CONCRETE SHALL BE CLASS "AA" REINFORCING STEEL SHALL BE GRADE 60.
3. DRAINAGE DETAIL ALTERNATES A OR B, PER THE DETAIL ON THIS SHEET, ARE REQUIRED FOR TYPES 6-S, 6-SA, 6-SB, AND 6-SC. INCLUDE COST OF MATERIALS AND WORK IN PRICE BID FOR BARRIER.
4. MAINTAIN 2" COVER ON ALL REINFORCING IN STEM AND BARRIER AND 3" COVER IN FOOTING. USE OF FORMLINERS PER THE CONTRACT WILL REQUIRE OVERALL STEM AND BARRIER WIDTHS TO BE INCREASED TO MAINTAIN COVER.
5. EXPOSED CONCRETE SURFACES SHALL RECEIVE A TYPE III FINISH UNLESS A FORMLINER IS REQUIRED PER THE CONTRACT. FORMLINERS SHALL NOT BE APPLIED TO THE BARRIER FACE.
6. APPLY A GRAFFITI PROOF COATING AS PER SECTION 838 TO ALL EXPOSED CONCRETE SURFACES.
7. SIDE BARRIERS OVER 20'-0" IN LENGTH SHALL HAVE CONTRACTION JOINTS SPACED AT A MAXIMUM OF 20'-0" CONTRACTION JOINTS SHALL EXTEND THROUGH THE BARRIER, AND STEM. SIDE BARRIERS OVER 80'-0" IN LENGTH SHALL HAVE EXPANSION JOINTS SPACED UNIFORMLY AT A MAXIMUM SPACING OF 80'-0" WITH 1" PREFORMED JOINT FILLER EXTENDING THROUGH BARRIER, STEM, AND FOOTING. AT EACH EXPANSION JOINT, GALVANIZED 10# NAILS SHALL BE USED TO INSTALL EXPANSION MATERIAL.
8. PLACE AND TIE ALL REINFORCING STEEL IN ACCORDANCE WITH THE GEORGIA DOT SPECIFICATIONS. DO NOT WELD REINFORCING STEEL. LONGITUDINAL REINFORCING SHALL NOT EXTEND THROUGH EXPANSION JOINTS. STEM LONGITUDINAL REINFORCING SHALL NOT EXTEND THROUGH CONTRACTION JOINTS. LONGITUDINAL REINFORCING SHALL BE LAP SLICED 2'-4". LONGITUDINAL FOOTING REINFORCING SHALL BE CONTINUOUS BETWEEN EXPANSION JOINTS. WHEN FOOTING SIZE CHANGES, LONGITUDINAL REINFORCING FOR SMALLER FOOTING SHALL EXTEND 1'-9" MINIMUM INTO LARGER FOOTING.
9. EXPANSION AND CONTRACTION JOINTS IN TYPES 6-S, 6-SA, 6-SB, AND 6-SC SIDE BARRIER SHALL BE WATERPROOFED ON THE BACK SIDE. WATERPROOFING SHALL BE 3-PLY AND EXTEND FROM 1'-0" BELOW CONCRETE DITCH TO TOP OF FOOTING FOR 1'-6" MIN. EACH SIDE OF JOINT.
10. TYPES 6-S, 6-SA, 6-SB AND 6-SC SIDE BARRIER SHALL BE PAID FOR PER LIN. FT. AS CONCRETE SIDE BARRIER, TYPE 6-S, 6-SA, 6-SB, OR 6-SC. INCLUDE COST OF WATERPROOFING AND ALL INCIDENTALS AS SPECIFIED IN SECTION 621 OF THE STANDARD SPECIFICATIONS IN THE PRICE BID.
11. TYPE 6-S, 6-SA, 6-SB AND 6-SC SIDE BARRIERS ARE DESIGNED IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION, 2017. THE BARRIER DETAILS INCLUDED IN THE DESIGN HAVE BEEN CERTIFIED BY THE DEPARTMENT TO SATISFY MASH TL-4 REQUIREMENTS FOR PROJECTS IN GEORGIA.
12. SIDE BARRIER DESIGN FOR THE FOLLOWING SOIL PROPERTIES:

	FOUNDATION	BACKFILL
COHESION =	0 KSF	0 KSF
ϕ =	28°	28°
UNIT WT. =	0.120 KCF	0.120 KCF
13. WIRE FABRIC REINFORCING OR ALTERNATE REBAR SIZE/SPACING MAY BE USED IF DETAILS ARE SUBMITTED TO AND APPROVED BY THE ENGINEER PRIOR TO USE.
14. AT CONTRACTOR'S OPTION, SIDES OF KEY MAY BE VERTICAL. MAINTAIN WIDTH SHOWN AT TOP OF KEY.
15. WHERE GUARDRAIL ATTACHMENT IS REQUIRED, USE BARRIER TRANSITION DETAIL. INCLUDE COSTS FOR TRANSITION AND THE FIVE 1" DIAM. HOLES PROPERLY LOCATED FOR CONNECTING THE SPECIAL END SHOE IN THE PRICE BID FOR CONCRETE SIDE BARRIER, TYPE 6-S, 6-SA, 6-SB, OR 6-SC BASED ON STEM HEIGHT REQUIRED.
16. WHERE GUARDRAIL ATTACHMENT IS REQUIRED, RETAINED SOIL SHALL BE GRADED SO AS TO EXPOSE THE GUARDRAIL ATTACHMENT HARDWARE ON THE BACK OF THE BARRIER TRANSITION.

		DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
		REVISION	STANDARD CONCRETE SIDE BARRIER TYPES 6-S, 6-SA, 6-SB AND 6-SC	
			NO SCALE	MAY 2020
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