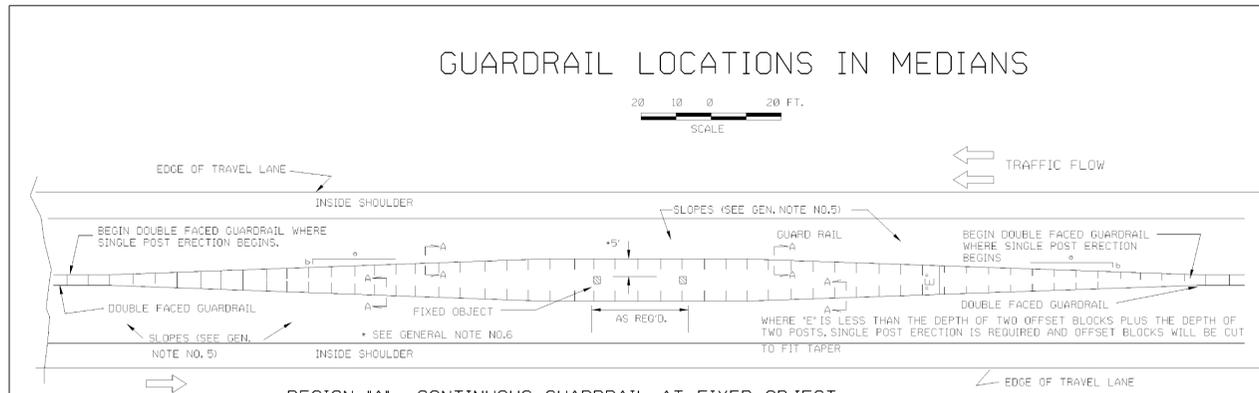


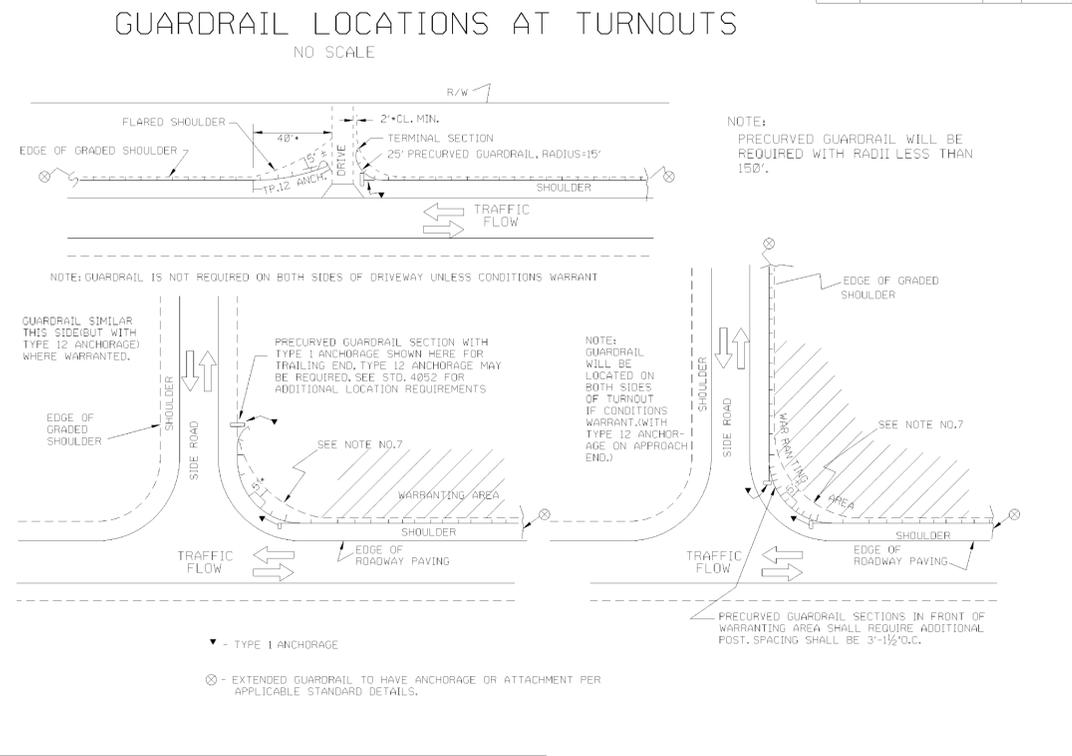
8/7/03 1:24:13 PM \\GDOT-DSN\G0PLOT\GCF\ao_Tiff_Output.acf darbyd M:\Dev\id\send_to_website\tempforchange\011\4022a.prf 00-R06

RELEASED FOR CONSTRUCTION - 12/05/11



DESIGN "A" - CONTINUOUS GUARDRAIL AT FIXED OBJECT

NOTE: DESIGN "A" IS OF LIMITED APPLICATION. SEE SEPARATE STANDARDS OR DETAILS FOR DOUBLE FACED GUARDRAIL ON INSIDE SHOULDERS OF MEDIANS OR FOR CONCRETE MEDIAN BARRIERS AT FIXED OBJECTS.



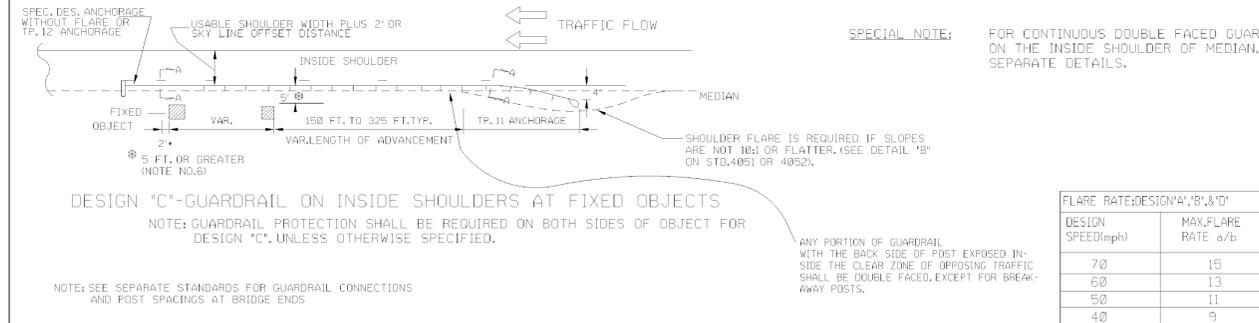
GUARDRAIL LOCATIONS AT TURNOUTS
NO SCALE

NOTE: GUARDRAIL IS NOT REQUIRED ON BOTH SIDES OF DRIVEWAY UNLESS CONDITIONS WARRANT

NOTE: GUARDRAIL WILL BE LOCATED ON BOTH SIDES OF TURNOUT IF CONDITIONS WARRANT (WITH TYPE 12 ANCHOR-AGE ON APPROACH END.)

NOTE: PRECURVED GUARDRAIL WILL BE REQUIRED WITH RADII LESS THAN 150'.

- ▼ TYPE 1 ANCHORAGE
- ⊗ EXTENDED GUARDRAIL TO HAVE ANCHORAGE OR ATTACHMENT PER APPLICABLE STANDARD DETAILS.



DESIGN "C" - GUARDRAIL ON INSIDE SHOULDERS AT FIXED OBJECTS

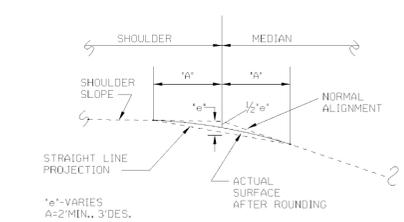
NOTE: GUARDRAIL PROTECTION SHALL BE REQUIRED ON BOTH SIDES OF OBJECT FOR DESIGN "C", UNLESS OTHERWISE SPECIFIED.

SPECIAL NOTE: FOR CONTINUOUS DOUBLE FACED GUARDRAIL ON THE INSIDE SHOULDER OF MEDIAN, SEE SEPARATE DETAILS.

ANY PORTION OF GUARDRAIL WITH THE BACK SIDE OF POST EXPOSED INSIDE THE CLEAR ZONE OF OPPOSING TRAFFIC SHALL BE DOUBLE FACED, EXCEPT FOR BREAK-AWAY POSTS.

NOTE: SEE SEPARATE STANDARDS FOR GUARDRAIL CONNECTIONS AND POST SPACINGS AT BRIDGE ENDS

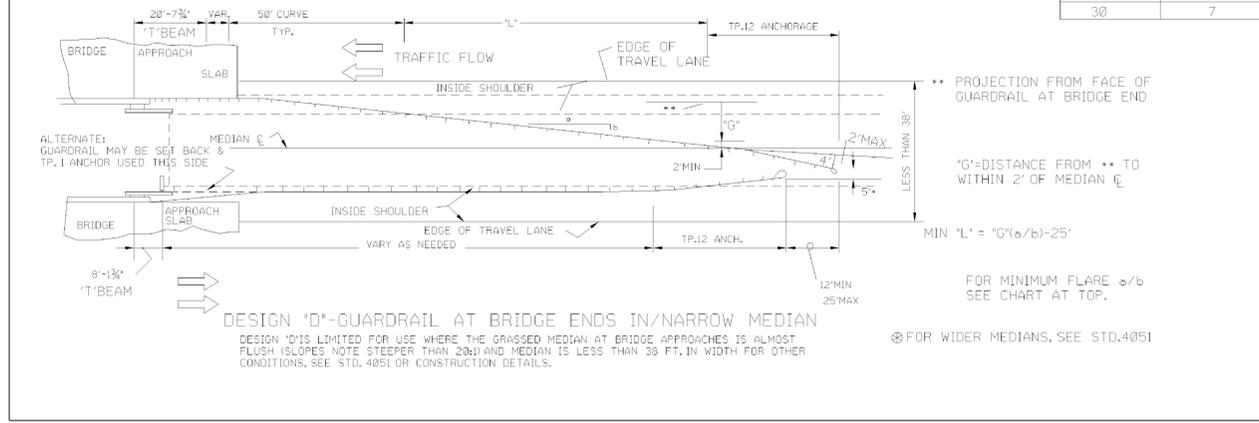
FLARE RATE: DESIGN "A", "B", & "D"	
DESIGN SPEED (mph)	MAX. FLARE RATE a/b
70	15
60	13
50	11
40	9
30	7



DETAIL OF SHOULDER ROUNDING
(TYPICAL FOR EXISTING GUARDRAIL INSTALLATIONS ON 6:1 OR ON 8:1 SLOPE)

GENERAL NOTES:

1. SPECIFICATIONS: GEORGIA STANDARD, CURRENT EDITION, AND SUPPLEMENTS THERETO.
2. FOR DETAILS OF GUARDRAIL HARDWARE, POST, AND OFFSET BLOCKS, SEE STANDARDS 4010 AND 4011 A.
3. FOR DETAILS OF GUARDRAIL ANCHORAGES, SEE SEPARATE STANDARDS, OR CONSTRUCTION DETAILS AS APPLICABLE.
4. FOR DETAILS OF DOUBLE FACED GUARDRAIL ATTACHED TO OR TERMINATED AT CONCRETE MEDIAN BARRIER, SEE STANDARD 4940.
5. NEGATIVE SLOPES IN FRONT OF GUARDRAIL AND ALL ANCHORAGES SHALL BE 10:1, OR FLATTER, FOR ALL NEW INSTALLATIONS.
6. OFFSET BETWEEN FACE OF GUARDRAIL AND FACE OF FIXED OBJECT SHALL BE 5 FT., DESIRABLE, 4'-2" MINIMUM, WHERE AN OFFSET OF LEAST 4'-3" CANNOT BE OBTAINED, DOUBLE POST SPACINGS 13'-1/2" O.C. IN FRONT OF OBJECT PLUS A MINIMUM OF 7' SUCH SPACINGS IN ADVANCE OF OBJECT IS REQUIRED WITH A 3' FT. MINIMUM OFFSET.
7. WHERE PRECURVED GUARDRAIL IS INSTALLED AROUND RADII AT INTERSECTING SIDE ROADS, THE SHOULDER AREA BACK OF THE GUARDRAIL IS TO BE WIDENED AS SHOWN ABOVE WITH THE OFFSET BETWEEN THE TRAVEL LANE AND GUARDRAIL REMAINING APPROXIMATELY CONSTANT.



DESIGN "D" - GUARDRAIL AT BRIDGE ENDS IN NARROW MEDIAN

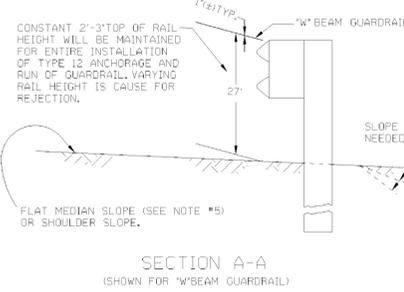
DESIGN "D" IS LIMITED FOR USE WHERE THE GRASSED MEDIAN AT BRIDGE APPROACHES IS ALMOST FLUSH (SLOPES NOTE STEEPER THAN 20:1) AND MEDIAN IS LESS THAN 39 FT. IN WIDTH FOR OTHER CONDITIONS, SEE STD. 4051 OR CONSTRUCTION DETAILS.

** PROJECTION FROM FACE OF GUARDRAIL AT BRIDGE END

G = DISTANCE FROM ** TO WITHIN 2' OF MEDIAN C

FOR MINIMUM FLARE a/b SEE CHART AT TOP.

⊗ FOR WIDER MEDIANS, SEE STD. 4051



SECTION A-A
(SHOWN FOR "W" BEAM GUARDRAIL)

REV. ANCH. AT TURNOUTS	3-26-03	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA STANDARD GUARDRAIL LOCATIONS IN MEDIANS GUARDRAIL LOCATIONS AT TURNOUTS	SCALE: AS SHOWN REV. & REDR.: DECEMBER, 1984 NUMBER 4022A	
RE-DRAWN	5-30-03			
CHK. TP. 12	11-17-07			
R.M.U. DES. B. TO STD. 4051	10-4-03			
REV. NOTE 5	2-17-03			
R.M.U. REV. DES. "B" & "D"	6-11-00			
R.M.U. REV. NOTES 2, 3, & 6	5-22-00			
R.M.U. REV. DES. B. & C. REDMT	10-5-97			
BY	REVISION			DATE
G.J.P.				

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THE LPA GROUP
 TRANSPORTATION CONSULTANTS
 A UNIT OF MICHAEL BAKER CORPORATION
 3595 ENGINEERING DRIVE
 NORCROSS, GEORGIA 30092
 (770) 263-9118

REVISION DATES

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
 OFFICE: INNOVATIVE PROGRAM DELIVERY
GEORGIA STANDARDS