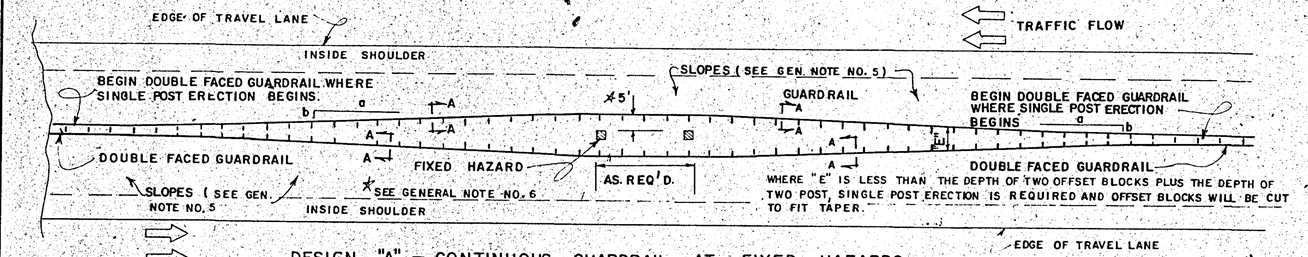
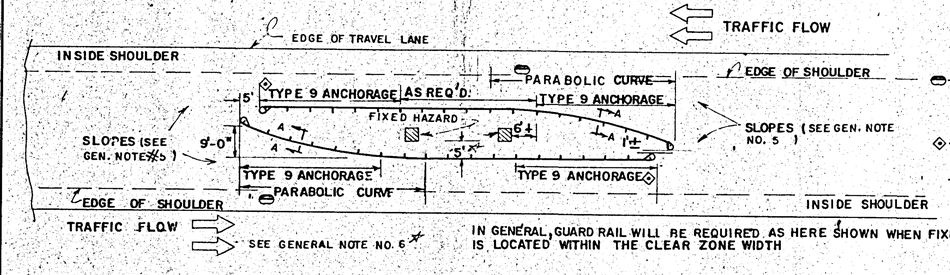
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	EDF-017-3(39)	126	194

GUARDRAIL LOCATIONS IN MEDIANS

20 10 0 20 FT.
SCALE



DESIGN "A" — CONTINUOUS GUARDRAIL AT FIXED HAZARDS



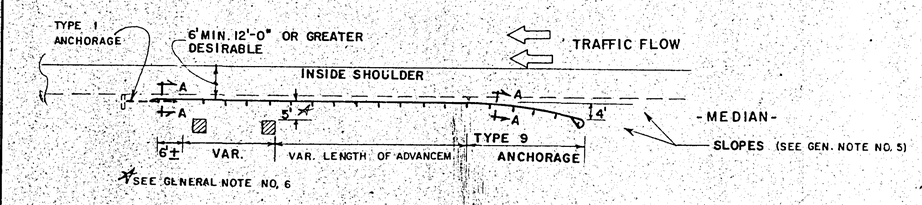
⬭—PARABOLIC CURVE CONSIST OF TYPE 9 ANCHORAGE PLUS 12'-6" OF GUARDRAIL FLARED 9 FT.

◇—TYPE 9 ANCHORAGE WITHOUT FLARE AT TRAILING END OF TRAFFIC FLOW.

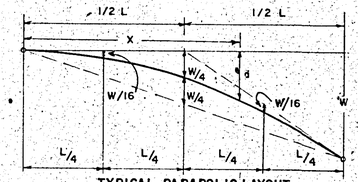
—TYPE 9 ANCHORAGE SHALL BE ACCORDING TO STANDARD 4050 EXCEPT AS NOTED ABOVE.

IN GENERAL, GUARD RAIL WILL BE REQUIRED AS HERE SHOWN WHEN FIXED HAZARD IS LOCATED WITHIN THE CLEAR ZONE WIDTH

DESIGN "B" — NON-CONTINUOUS GUARDRAIL AT FIXED HAZARDS



DESIGN "C" — GUARDRAIL ON ONLY ONE SIDE OF HAZARDS
WHERE BACK SIDE OF HAZARD DOES NOT FALL WITHIN THE CLEAR ZONE WIDTH OF OPPOSING LANES.

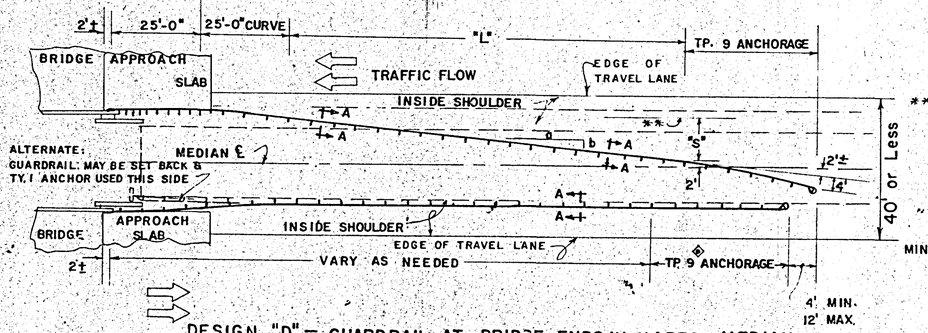


TYPICAL PARABOLIC LAYOUT
$d = (X/L)^2 \cdot W$

PARABOLIC DETAIL

FLARE CHART DESIGN "A" or "D"	
OPERATING SPEED (mph)	FLARE RATE a/b
70	15 MIN.
60	13 MIN.
50	11 MIN.
40	9 MIN.

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



** PROJECTION FROM FACE OF GUARD RAIL AT BRIDGE END.

"S" = DISTANCE FROM ** TO WITHIN 2' OF MEDIAN ℄.

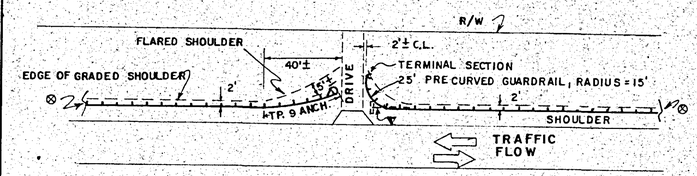
MIN "L" = "S"(a/b) — 12.5'

FOR MINIMUM FLARE a/b SEE CHART AT TOP.

DESIGN "D" — GUARDRAIL AT BRIDGE ENDS IN NARROW MEDIAN
WHERE MEDIAN WIDTH IS 40 FT. OR LESS AND CONTINUOUS GUARDRAIL IS NOT SPECIFIED. SEE STANDARD 4051 FOR GUARDRAIL AT BRIDGE ENDS WHERE MEDIAN WIDTH IS OVER 40'.

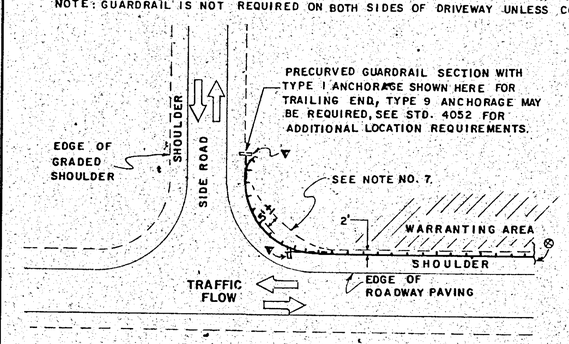
GUARDRAIL LOCATIONS AT TURNOUTS

NO SCALE

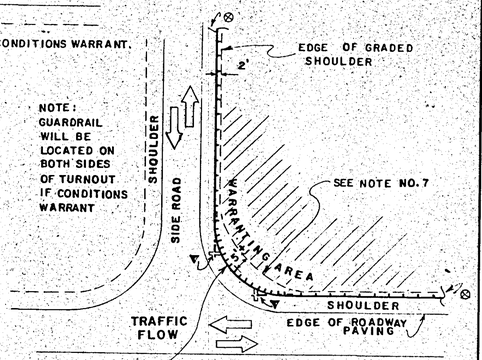


NOTE: PRECURVED GUARDRAIL WILL BE REQUIRED WITH RADII LESS THAN 150'.

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



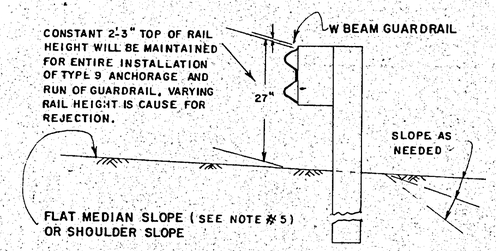
PRECURVED GUARDRAIL SECTIONS IN FRONT OF WARRANTING AREA SHALL REQUIRE ADDITIONAL POST. SPACING SHALL BE 3'-1½" O.C.

▼-TYPE 1 ANCHORAGE

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

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.
3. FOR DETAILS OF TYPE 9 ANCHORAGE AND TYPE 1 ANCHORAGE, SEE STANDARDS 4050 AND 4012B RESPECTIVELY.
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 SHALL BE 10:1 OR FLATTER AT ALL LOCATIONS, EXCEPT WHERE FACE OF RAIL IS MORE THAN 12 FT. FROM THE GRADED SHOULDER EDGE OR WHERE SHOULDER IS ADEQUATELY ROUNDED (A.A.S.H.T.O. GUIDE) IN WHICH CASE SLOPES IN FRONT OF GUARDRAIL MAY BE 6:1.
6. OFFSET BETWEEN FACE OF GUARDRAIL AND FACE OF FIXED HAZARD SHALL BE 5 FT. DESIRABLE, 4 FT. MINIMUM. WHERE AN OFFSET OF AT LEAST 4 FT. CANNOT BE OBTAINED, DOUBLE POST SPACINGS (3'-1½" O.C.) IN FRONT OF HAZARD PLUS A MINIMUM OF 7 SUCH SPACINGS IN ADVANCE OF HAZARD IS REQUIRED.
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.



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

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD

GUARDRAIL LOCATIONS IN MEDIANS
GUARDRAIL LOCATIONS AT TURNOUTS

SCALE AS SHOWN — REV. & REDR. DEC., 1984

DES. R.M.U.
DRW. R.M.U.
TRA. G.M.E.
CHK. R.K.C.

(SUBMITTED) Floyd G. Harris — STATE ROAD & AIRPORT DESIGN ENGR.
(APPROVED) Hal Rivers — STATE HIGHWAY ENGINEER

NUMBER 4022A

FORM EF00003

TELEDYNE POST N18970