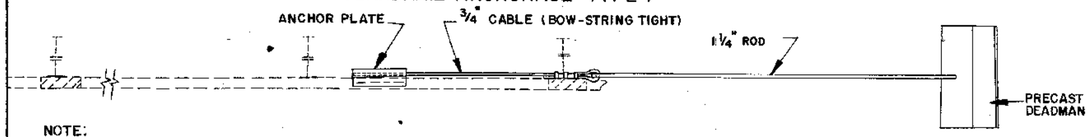
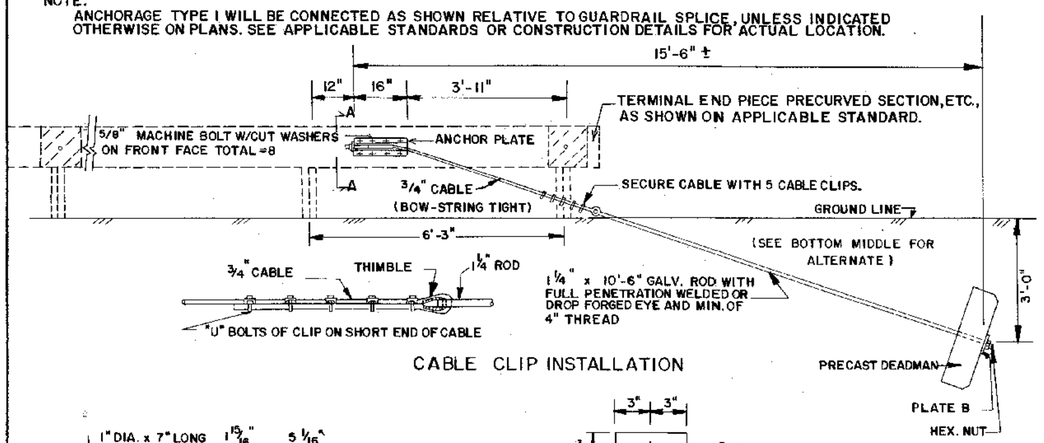
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	EDS00-0545-00(014)	537	627

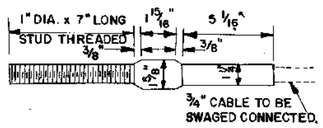
GUARDRAIL ANCHORAGE TYPE I



NOTE:
ANCHORAGE TYPE I WILL BE CONNECTED AS SHOWN RELATIVE TO GUARDRAIL SPLICE, UNLESS INDICATED OTHERWISE ON PLANS. SEE APPLICABLE STANDARDS OR CONSTRUCTION DETAILS FOR ACTUAL LOCATION.



CABLE CLIP INSTALLATION



SWAGED FITTING AND STUD

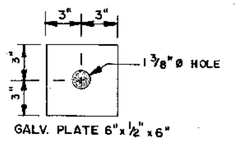
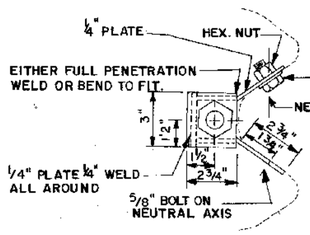
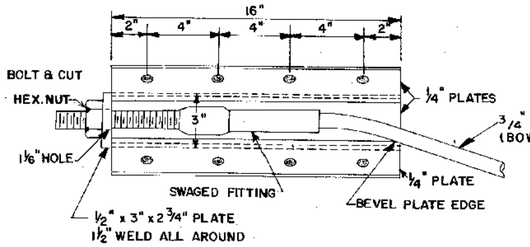


PLATE "B"

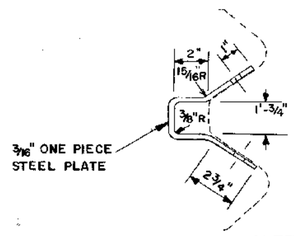


SECTION A-A

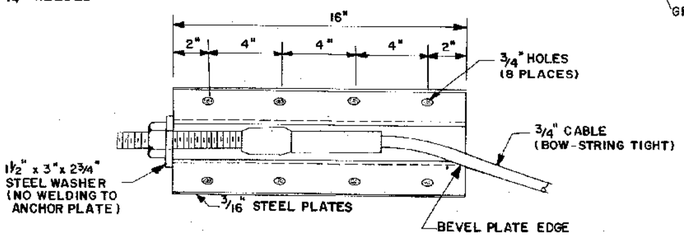


STANDARD ANCHOR PLATE

NOTE:
THE 3/16" ONE PIECE STEEL PLATE SHOWN HERE MAY BE USED AS AN ALTERNATE TO THE STANDARD 1/4" WELDED PLATE SHOWN ABOVE.



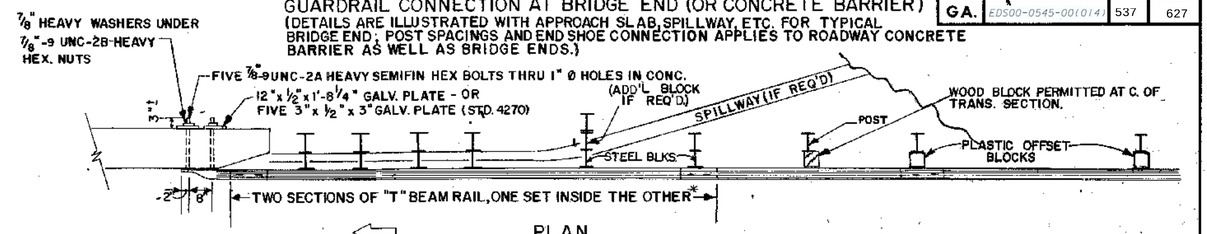
NOTE:
ANCHOR PLATES SHOWN HERE WITH GUARDRAIL (TYPE "W") ATTACHMENT TO GUARDRAIL (TYPE "T") WILL BE THE SAME EXCEPT THAT THE ANCHOR PLATE WILL BE LOCATED BETWEEN THE BOTTOM AND MIDDLE CORRUGATIONS.



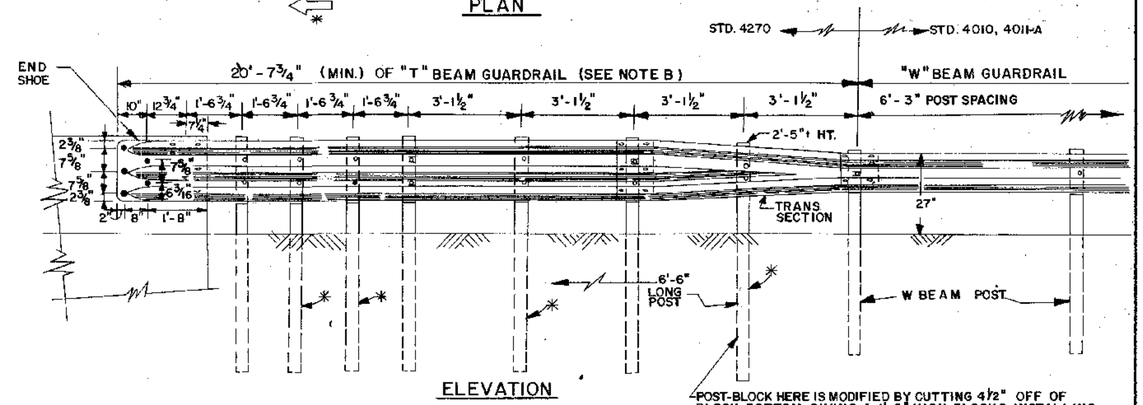
ALTERNATE ANCHOR PLATE

GUARDRAIL CONNECTION AT BRIDGE END (OR CONCRETE BARRIER)

(DETAILS ARE ILLUSTRATED WITH APPROACH SLAB, SPILLWAY, ETC. FOR TYPICAL BRIDGE END; POST SPACINGS AND END SHOE CONNECTION APPLIES TO ROADWAY CONCRETE BARRIER AS WELL AS BRIDGE ENDS.)



PLAN

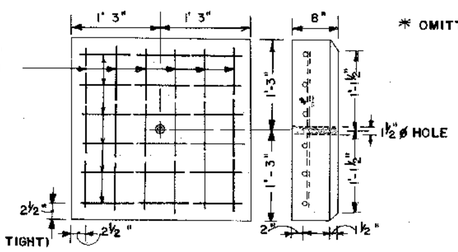


ELEVATION

* OMITTED POST FOR NOTE D CONDITION

POST-BLOCK HERE IS MODIFIED BY CUTTING 4 1/2" OFF OF BLOCK BOTTOM, GIVING A 1'-5" HIGH BLOCK & INSTALLING 6'-6" POST DEEPER TO GIVE 2'-5" ± RAIL HEIGHT. RAIL IS CONNECTED THRU TOP SLOT ONLY AT THIS LOCATION.

NO. 4 REINF. BARS 2'-3" LONG 5" C. TO C. BOTH WAYS TOTAL=12.



(CLASS "A" CONCRETE)
PRECAST DEADMAN

NOTES FOR GUARDRAIL CONNECTION:

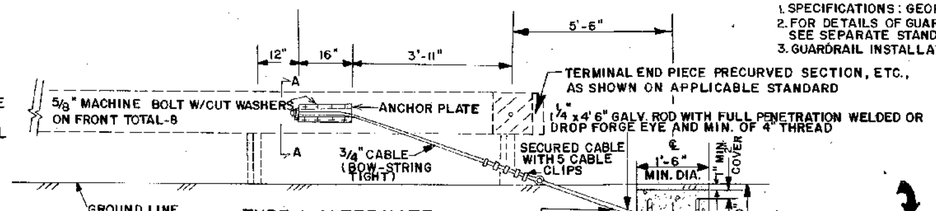
A. WHERE GREATER THAN THE MINIMUM LENGTH OF T-BEAM GUARDRAIL IS REQUIRED ADDITIONAL POST REMAIN AS SHOWN WITHIN THE FIRST 20'-7 3/4" LENGTH, WITH NORMAL (6'-3" C. TO C.) SPACINGS FOR THE REMAINDER OF THE INSTALLATION (STD. 4270) UNLESS SPECIFIED OTHERWISE.

B. PAYMENT FOR GUARDRAIL TYPE T INCLUDES ALL ADDITIONAL POST, ALL ADDITIONAL OFFSET BLOCKS, THE SPECIAL END SHOE CONNECTION WITH ACCOMPANY HARDWARE, THE EXTRA SECTION OF "T" BEAM RAIL NESTED INSIDE THE OTHER, AND THE "T" BEAM TO "W" BEAM TRANSITION SECTION.

C. WHERE GUARDRAIL POST ARE ERECTED THRU SPILLWAY, CONCRETE CAP OR PAVING UNDER GUARDRAIL, PAYMENT FOR GUARDRAIL, OF ANY TYPE SHALL INCLUDE REPLACING THE BLOCKED OUT CONCRETE AND/OR REMOVING AND REPLACING PORTIONS OF SPILLWAY, CONCRETE, OR GROUT AS NECESSARY FOR POST INSTALLATIONS.

D. AT TRAILING ENDS ON MULTI (4 OR MORE) LANE HIGHWAYS, THE 12"-6" DBL. THICK "T" BEAM SECTION IS OMITTED AND TRANSITION SECTION IS ATTACHED TO END SHOE (8'-1 3/4" T BEAM TYP.) WITHOUT ADDITIONAL POST. SEE (3) ON STD. 4051 OR 4052.

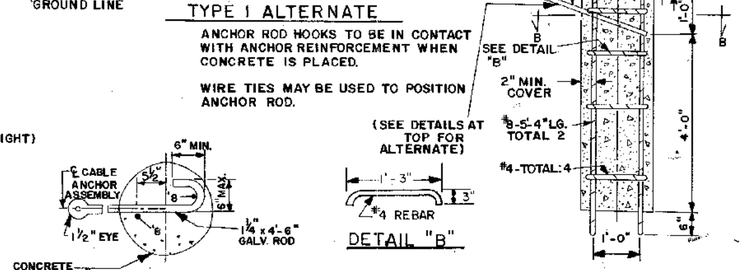
GENERAL NOTES:
1. SPECIFICATIONS: GEORGIA STANDARD, CURRENT EDITION & SUPPLEMENTS THERETO.
2. FOR DETAILS OF GUARDRAIL HARDWARE, POST, OTHER TYPE ANCHORAGE, LOCATION, ETC. SEE SEPARATE STANDARDS AS APPLICABLE.
3. GUARDRAIL INSTALLATIONS, INCLUDING ANCHORAGES AND CONNECTIONS, ARE TO BE COMPLETED BEFORE BEING SUBJECT TO TRAFFIC UNLESS OTHERWISE APPROVED.



TYPE I ALTERNATE

ANCHOR ROD HOOKS TO BE IN CONTACT WITH ANCHOR REINFORCEMENT WHEN CONCRETE IS PLACED.

WIRE TIES MAY BE USED TO POSITION ANCHOR ROD.



SECTION B-B

DETAIL "B"

NOTE: USE OF TYPE I ALTERNATE IS CONTRACTOR'S OPTION.

NOTE: THIS STANDARD REPLACES STANDARD #4012 B.

R.M.U.	W. BEAM OFFSET BLOCK	8-7-97
R.M.U.	CONN. AT TRAILING ENDS	4-22-90
BY	REVISION	DATE

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD

GUARDRAIL ANCHORAGE TYPE I
GUARDRAIL CONNECTION AT BRIDGE; CONCRETE BARRIER END

NO SCALE — APRIL, 1989

REV./REDR. R.M.U. STD. 4012B
BY R.M.U./K.L.J.

(SUBMITTED) Walter Wright
STATE ROAD & AIRPORT DESIGN ENGR

(APPROVED) Alva P. Byrom
STATE HIGHWAY ENGINEER

NUMBER 4012-C

FORM EF00003