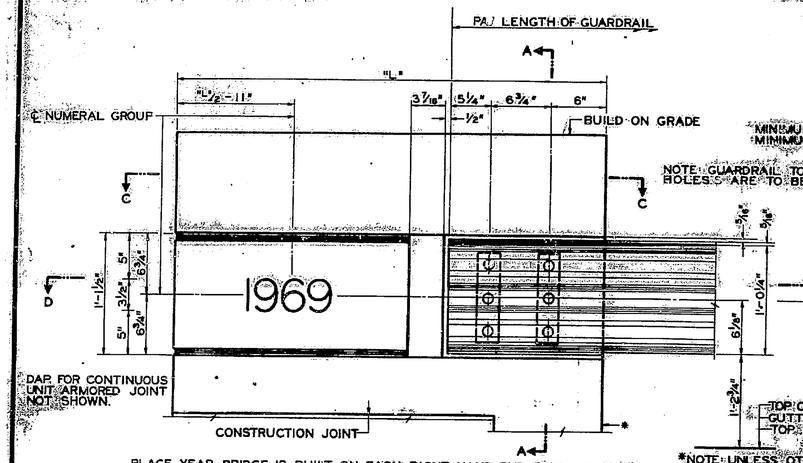
| FED. ROAD DIV. NO. | STATE | FED. AID PROJ. NO. | STATE AID PROJ. NO. | FISCAL YEARS | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|---|
| 3 | GA | U-059 (3) | | 1969 | 67 | 106 |

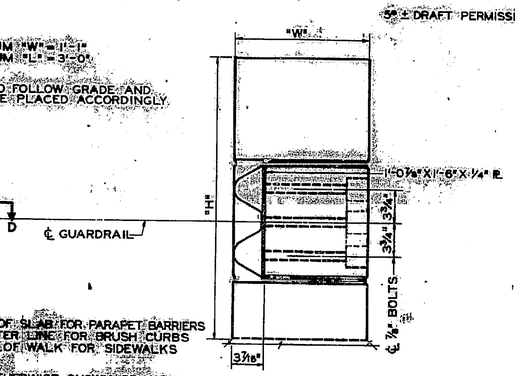
Revised & Redrawn 1-14-69




PLACE YEAR BRIDGE IS BUILT ON EACH RIGHT HAND END POST AS SEEN BY APPROACHING TRAFFIC. FORM NUMERALS WITH APPROVED METAL DIES. NUMERAL GROUP, ETC., TO BE ON GRADE. FOR THOSE END POSTS TO BE PROVIDED WITH GUARDRAIL ATTACHMENT, SEE BRIDGE PLANS.

## FRONT ELEVATION - END POST

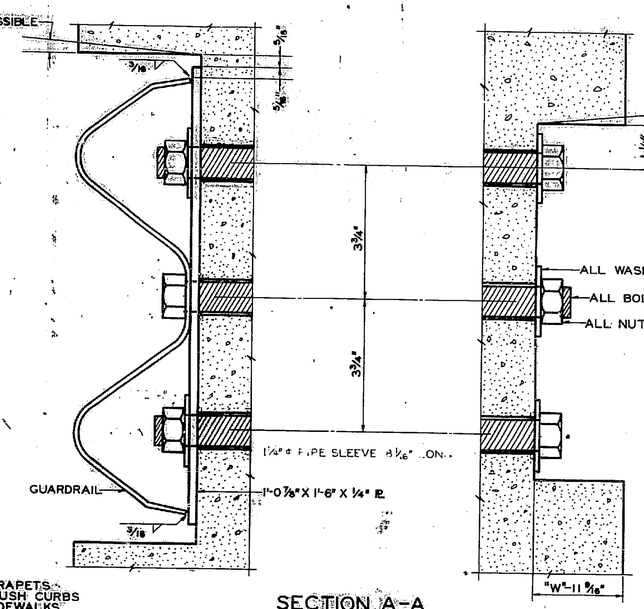
SCALE: 1 1/2" = 1'-0"




## END ELEVATION END POST

SCALE: 1 1/2" = 1'-0"

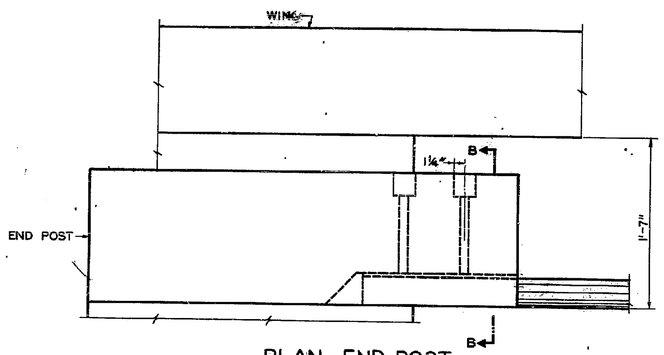
BARS NOT SHOWN IN SECTION A-A.
℄ 7/8" BOLTS = ℄ 1 1/4" ⌀ BOLT HOLES.
1" ⌀ NUT AND WASHERS MAY BE JACK WELDED.




## SECTION A-A

1/2 FULL SIZE

| MATERIALS | |
|---|---|
| ITEM | SPECIFICATIONS |
| GUARDRAIL | A.A.S.H.O. SPECIFICATIONS M 180-65 |
| 1/4" PL | A.S.T.M. DESIGNATION A-36 |
| NUTS & BOLTS | A.S.T.M. DESIGNATION A-307 |
| WASHERS | MEDIUM STEEL |
| GALVANIZE | A.S.T.M. DESIGNATION A-153 |



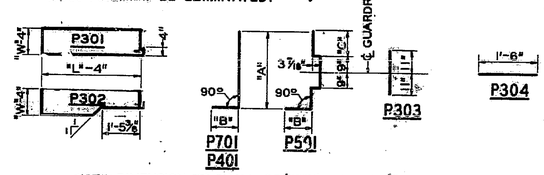

## PLAN - END POST

SCALE: 1 1/2" = 1'-0"

NOTE: IF END POST IS ON SUBSTRUCTURE, SEE BRIDGE PLANS FOR BARS THAT DOWEL FROM BELOW.

FOR SIMPLE END SPANS "B" = 1'-0", "A" = "H" - 4" +
FOR EXPANSION ENDS AT CONTINUOUS UNITS "A" = "H" - 2", "B" = 0".
NOTE: WHEN DIMENSION "C" BECOMES LESS THAN 1" IT MAY BE ELIMINATED.

SLAB DEPTH FOR PARAPETS
CURB DEPTH FOR BRUSH CURBS
WALK DEPTH FOR SIDEWALKS

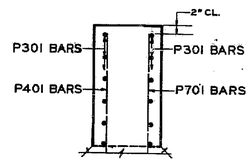



NOTE: DIMENSION "B" SHALL BE REVOLVED 135° IN THE HORIZONTAL PLANE FROM THE POSITION SHOWN IN P501 BAR DETAIL.

## END POST BAR DETAILS

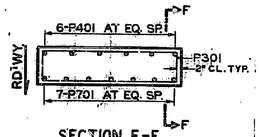
NO SCALE

| NO. BARS REQUIRED | | |
|---|---|---|
| BARS | WITH GUARDRAIL | W/O GUARDRAIL |
| P301 | 4 | 6 |
| P302 | 2 | — |
| P303 | 1 | — |
| P304 | 2 | — |
| P401 | 6 | 6 |
| P501 | 4 | — |
| P701 | 4 | 7 |




## SECTION F-F

NO SCALE




## SECTION E-E

NO SCALE

## GENERAL NOTES

SPECIFICATIONS - GEORGIA STANDARD.

LOCATION - SEE BRIDGE PLANS.

CHAMFER - CHAMFER ALL EXPOSED EDGES 1/2".

GALVANIZING - THE TERMINAL SECTION OF GUARDRAIL AND THE 1/4" PLATE SHALL BE GALVANIZED AFTER FABRICATION. ALL OTHER METAL SHALL BE GALVANIZED.

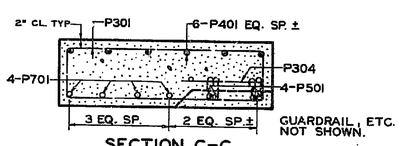
PAYMENT FOR MISCELLANEOUS HARDWARE - COST OF 1/4" PLATE AND MISCELLANEOUS HARDWARE SHALL BE INCLUDED IN THE PRICES BID FOR CONTRACT ITEMS.

PAYMENT FOR END POST - IF END POST IS A PORTION OF THE SUBSTRUCTURE, CONCRETE AND REINFORCEMENT ARE TO BE INCLUDED IN END BENT QUANTITIES. IF END POST IS A PART OF THE SUPERSTRUCTURE, CONCRETE AND REINFORCEMENT WILL BE PAID FOR BY INCLUDING THE COST IN PRICES BID FOR LUMP SUPERSTRUCTURE CONCRETE AND REINF. RESPECTIVELY.

RESPONSIBILITY - WHEN THE BRIDGE CONTRACT IS SEPARATE FROM THE CONTRACT CONTAINING THE APPROACHING GUARDRAIL, THE BRIDGE CONTRACTOR SHALL ONLY BE RESPONSIBLE FOR THE CONSTRUCTION OF THE END POSTS AND FORMING OF THE 1 1/4" ⌀ BOLT HOLES. THE CONTRACT CONTAINING THE APPROACHING GUARDRAIL SHALL BE RESPONSIBLE FOR FURNISHING, FABRICATING AND INSTALLING THE TERMINAL SECTION AND ALL HARDWARE.

DIMENSIONS - FOR DIMENSIONS "L", "H", AND "W" AND OTHER DIMENSIONS SEE BRIDGE PLANS.

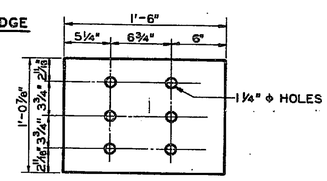
END POST - TO BE CONSTRUCTED AFTER HANDRAIL IS IN PLACE. FOR LOCATION OF GUARDRAIL ATTACHMENTS, SEE PLAN VIEW OF BRIDGE.




## SECTION C-C

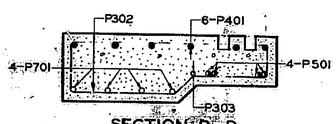
SCALE: 3/4" = 1'-0"

BRIDGE



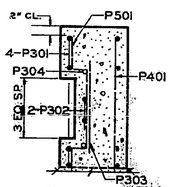

## 1/4" PL DETAIL

SCALE: 1 1/2" = 1'-0"



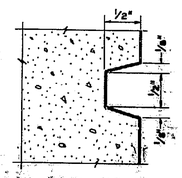

## SECTION D-D

SCALE: 3/4" = 1'-0"




## SECTION B-B

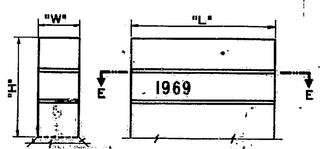
SCALE: 3/4" = 1'-0"




## GROOVE DETAIL

FULL SIZE

NOTE: WHEN GUARDRAIL IS NOT TO BE ATTACHED TO END POST, PIPE SLEEVES AND RECESSES FOR GUARDRAIL AND RELATED HARDWARE SHALL BE DELETED. THE GROOVES SHALL BE CONTINUOUS AROUND THE END POST AND THE 4-P501 AND 1-P303 BARS SHALL BE REPLACED WITH 3-P701 BARS.




FOR LOCATION OF DATE AND GROOVES SEE FRONT ELEVATION - END POST.

## DETAIL OF END POST WITHOUT GUARDRAIL ATTACHMENT

NO SCALE

| DATE | BY | REVISIONS |
|---|---|---|
| 1-9-69 | S.E.W. | GENERAL |

STATE HIGHWAY DEPARTMENT OF GEORGIA
BRIDGE DIVISION

# BRIDGE OVER ATLANTA & WEST POINT R.R.
# END POST GUARDRAIL ATTACHMENT
# STA. 75+82 TO STA. 77+74

COWETA COUNTY — U-059-1(3)

SCALE: AS SHOWN — JANUARY 1969

BRIDGE SHEET 10 OF 10

DESIGNED F.L.B. — TRACED S.A.R. — REVIEWED F.B.
DRAWN M.G.N. — CHECKED S.E.W. — APPROVED