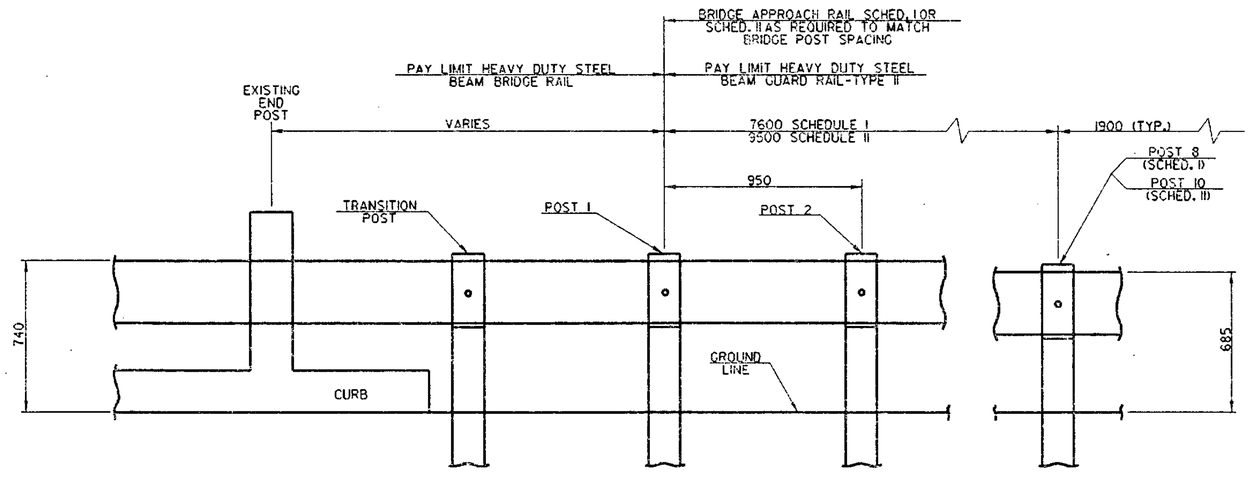
# BRIDGE QUANTITY SHEET

| STATION | POS. | BRIDGE NO. | OFFSET BLOCK | 525.10 | 525.41 | 525.41 MOD 1 | 621.20 | 621.21 | 621.54 | 621.60 | 621.80 | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BRAINTREE | | | | | | | | | | | | |
| STA 1+398 - 1+428 | RT | 47 | 200 | | | | 30.4 | | 2 | | 52 | MELT @ 1+398 RT, MELT @ 1+428 RT |
| STA 1+404 - 1+431 | LT | 47 | 200 | 26 | 11.4 | | - | 17.5 | | 2 | | ANCHORS @ 1+404 & 1+431 LT, INSTALL 2-5 m RADIUS PANELS, SEE STANDARDS G-10 AND G-16 |
| SUBTOTALS | | | | 26 | 11.4 | | 30.4 | 17.5 | 2 | 2 | 52 | |
| ROUNDING | | | | 1 | 0.6 | | - | - | - | - | - | |
| TOTALS | | | | 27 | 12 | | 30.4 | 17.5 | 2 | 2 | 52 | |




BRIDGE APPROACH RAILING

## NOTES

1. BRIDGE RAIL SHALL BE HEAVY DUTY STEEL BEAM RAIL.
2. BRIDGE APPROACH RAIL HEIGHT SHALL BE TRANSITIONED TO NORMAL ROADWAY RAIL HEIGHT IN 7.6 METERS.
3. APPROACH RAILING SHALL BE HEAVY DUTY STEEL BEAM FOR 7.6 METERS FROM THE ENDS OF THE BRIDGE.
4. FOR BRIDGE RAILING, THE TRANSITION POST SHALL HAVE AN OFFSET BLOCK AND BE LOCATED AS CLOSE AS PRACTICAL TO THE MID-POINT BETWEEN THE BRIDGE END POST AND APPROACH RAIL POST 1.
5. SPLICES SHALL LAP IN DIRECTION OF TRAFFIC FLOW.
6. SEE STANDARD SHEET G-1 FOR DELINEATOR DETAILS AND PLACEMENT.
7. ERECT DELINEATORS ON EVERY FIFTH POST OR APPROXIMATELY 9 METERS APART. PAYMENT SHALL BE SUBSIDIARY TO OTHER ITEMS.
8. JOINT SEALER, HOT POURED, OR JOINT SEALER, COLD POURED, SHALL BE INSTALLED ONLY AT BRIDGE EXPANSION JOINTS ON ANY BRIDGE GREATER THAN 9 METERS IN LENGTH AS DIRECTED BY THE RESIDENT ENGINEER. AN ESTIMATED QUANTITY HAS BEEN INCLUDED FOR THIS PROVISION.
9. AN ESTIMATED QUANTITY OF ITEM 501.22 CONCRETE CLASS A AND ITEM 507.15 REINFORCING STEEL HAVE BEEN ADDED TO REPAIR DAMAGED BRIDGE POSTS IF NECCESSARY. REMOVAL OF EXISTING DAMAGED POSTS WILL BE AS DIRECTED BY THE ENGINEER AND WILL BE CONSIDERED SUBSIDIARY TO ITEM 501.22 AND 507.15.

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|---|---|
| ITEM 501.22 CONCRETE CLASS A | 1m3 (EST.) |
| ITEM 507.15 REINFORCING STEEL | 100 kg (EST.) |

BRIDGE APPROACH RAILING

WHEN A RAIL PANEL SPLICE OCCURS AT POST NO. 1, USE SCHEDULE I FOR APPROACH RAILING. WHEN A RAIL PANEL SPLICE OCCURS AT BRIDGE END POST, USE SCHEDULE II FOR APPROACH RAILING.

SCHEDULE I

| POST NO. | SPACING | PAYMENT FACTOR |
|---|---|---|
| 1 | 950 | 1.4 x 3800 |
| 2 | 950 | |
| 3 | 950 | |
| 4 | 950 | |
| 5 | 1270 | 1.2 x 3800 |
| 6 | 1270 | |
| 7 | 1270 | |
| 8 | 1900 (TYP.) | 1.0 (TYP.) |
| 9 | | |

SCHEDULE II

| POST NO. | SPACING | PAYMENT FACTOR |
|---|---|---|
| 1 | 950 | 1.4 X 5700 |
| 2 | 950 | |
| 3 | 950 | |
| 4 | 950 | |
| 5 | 950 | |
| 6 | 950 | |
| 7 | 1270 | 1.2 x 3800 |
| 8 | 1270 | |
| 9 | 1270 | |
| 10 | 1900 (TYP.) | 1.0 (TYP.) |
| 11 | | |

*NOTE: ALL DIMENSIONS IN MILLIMETERS EXCEPT AS INDICATED*

DATUM
VERTICAL
HORIZONTAL

**BRIDGE DETAIL SHEET #1**

| | |
|---|---|
| PROJECT: RANDOLPH-BRAINTREE | PROJECT NO.: STP 9602(10)S |
| DESIGN FILE NAME: /pave/95c018/pc018.dgn | |
| IPARM FILE NAME: pc018drl.i | PLOT DATE: 8/96 |
| SURVEYED BY: CLD | SURVEY DATE: 11/95 |
| SQUAD LEADER: JAW | DRAWN BY: SJS |
| | SHEET: 12 OF 14 |

: Sheet Number: 12