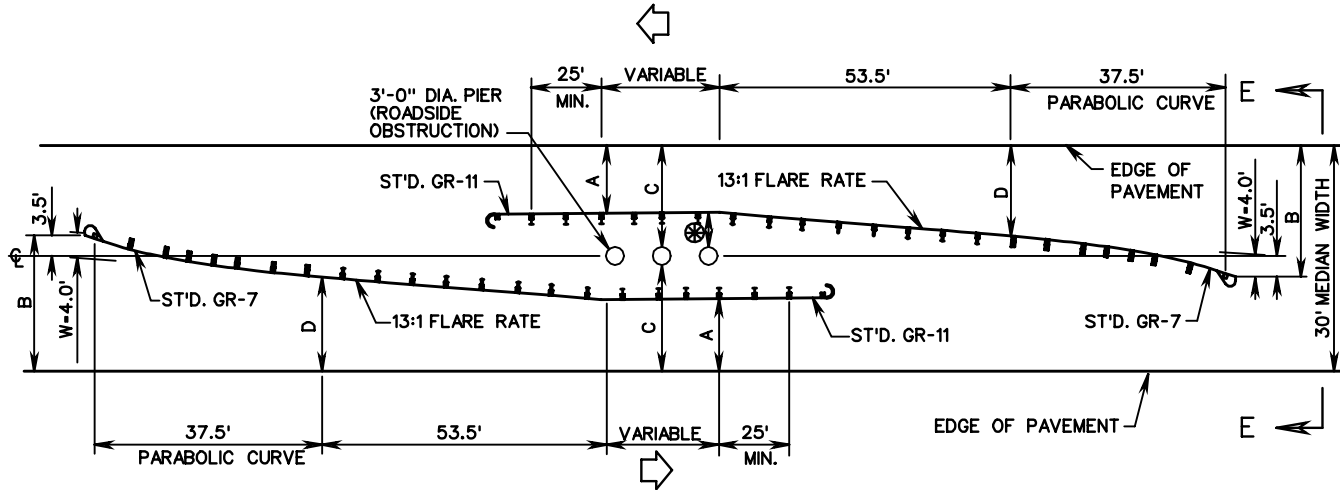


⊗ FACE OF GUARDRAIL IS TO BE 6' FROM FACE OF OBJECT. FOR MEDIAN WIDTHS LESS THAN 27' SEE SHEET 501.35. THE GUARDRAIL DESIGN AND PLACEMENT SHOWN ABOVE MAY ALSO BE USED FOR SHIELDING AN OVERHEAD SIGN SUPPORT, FIXED OBJECTS OR OTHER TYPES OF ROAD SIDE OBSTRUCTIONS.



PLAN VIEW

| OFFSETS (Y) FOR INTRODUCED GUARDRAIL TRANSITIONS ☆ | | |
|--|----------------------|-------|
| LENGTH L | X | Y |
| | | W=4' |
| 37.50' | X ₁ 6.25 | 0.12' |
| | X ₂ 12.50 | 0.44' |
| | X ₃ 18.75 | 1.00' |
| | X ₄ 25.00 | 1.78' |
| | X ₅ 31.25 | 2.78' |
| | X ₆ 37.50 | 4.00' |

| MEDIAN WIDTH | * DIMENSIONS | | | |
|--------------|--------------|-------|-------|-------|
| | A | B | C | D |
| 30' | 7.5' | 18.5' | 13.5' | 11.6' |
| 40' | 12.5' | 23.5' | 18.5' | 16.6' |
| 60' | 22.5' | 33.5' | 28.5' | 26.6' |

* THE DIMENSIONS AS SHOWN HERE ARE FOR A 3' DIAMETER PIER. THESE DIMENSIONS WILL VARY AS ROADSIDE OBSTRUCTION DIMENSIONS DIFFER.

☆ SEE TABLE III, PAGE 501.36 OF THE ROAD AND BRIDGE STANDARDS FOR DEFINITION OF "X" AND "Y".



SECTION E-E



TYPICAL SECTION

DETAIL OF GUARDRAIL AT BRIDGE PIERS USING STANDARD GR-2

W BEAM GUARDRAIL INSTALLATION CRITERIA

VIRGINIA DEPARTMENT OF TRANSPORTATION