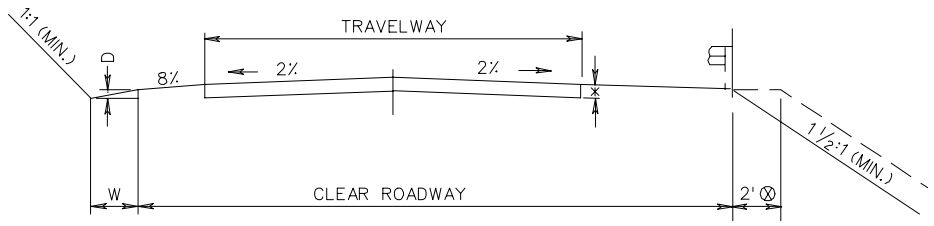
REVISED 9/06






✳ SEE PLANS FOR BASE DEPTH AND TYPE AND PAVED SURFACE TREATMENT WHERE REQUIRED.

TYPICAL SECTION

⊗ FOR GUARDRAIL:
ADD 2' TO 4' SHOULDERS
ADD 3' TO ALL OTHER SHOULDERS

BRIDGE WIDTH = APPROACH ROADWAY WIDTH (CLEAR ROADWAY).

## WIDTHS FOR TWO WAY TRAFFIC (LESSER WIDTH MAY BE USED FOR ONE-WAY)

| TYPE | CURRENT ADT | ✳ TRAVELWAY WIDTH | SURFACE | | MIN. ⊗ ROADWAY SHOULDER TO SHOULDER | DITCH WIDTH (W) | DITCH DEPTH (D) | PAY ITEM |
|---|---|---|---|---|---|---|---|---|
| | | | UNPAVED | PAVED | | | | |
| A | 0-250 | 18' | ✓ | | 22' | 4' | 16" | LF. |
| B | 251-750 | 20' | ✓ | | 24' ABS. 30' DES. | 4' | 16" | LF. |
| C | 751-2000 | 22' | | ✓ | 30' ABS. 34' DES. | 4' | 16" | ✳ ✳ |
| D | 2001-5500 | 24' | | ✓ | 40' | 4' | 16" | ✳ ✳ |
| E | 5501-15,000 | 24' | | ✓ | 40' | 4' | 16" | ✳ ✳ |
| F | 15,000-ABOVE | 24' | | ✓ | 40' | 6' | 18" | ✳ ✳ |

✳ CURVES TO BE WIDENED IN ACCORDANCE WITH ST'D. TC-5.01R.

✳✳ PAID FOR BY INDIVIDUAL QUANTITIES.

## GEOMETRICS

| DESIGN SPEED M.P.H. | | 20 | 30 | 40 | 50 | 60 | 70 |
|---|---|---|---|---|---|---|---|
| MIN. RADII | | 108' R | 251' R | 465' R | 760' R | 1204' R | 1821' R |
| MAX. % GRADE | DES. | 8% | 7% | 7% | 6% | 5% | 5% |
| | ABS. | 16% | 14% | 13% | 10% | 6% | 6% |
| STOPPING SIGHT DISTANCE | DES. | 125' | 200' | 325' | 475' | 650' | 850' |
| | MIN. | | | 305' | 425' | 570' | 730' |
| MAXIMUM SUPERELEVATION | | 8% | 8% | 8% | 8% | 8% | 8% |

IF GEOMETRICS AND WIDTHS SHOWN IN THESE CHARTS ARE GREATER THAN THE FINISHED CONTRACT DESIGN, APPROVAL MAY BE GRANTED BY THE DEPARTMENT FOR LESSER VALUES.

| SPECIFICATION REFERENCE |
|---|
| 510 |

# MINIMUM DESIGN CRITERIA FOR TEMPORARY DETOURS (MAINTENANCE OF TRAFFIC)

VIRGINIA DEPARTMENT OF TRANSPORTATION

REV. 3/03