

CUT SLOPES IN EARTH

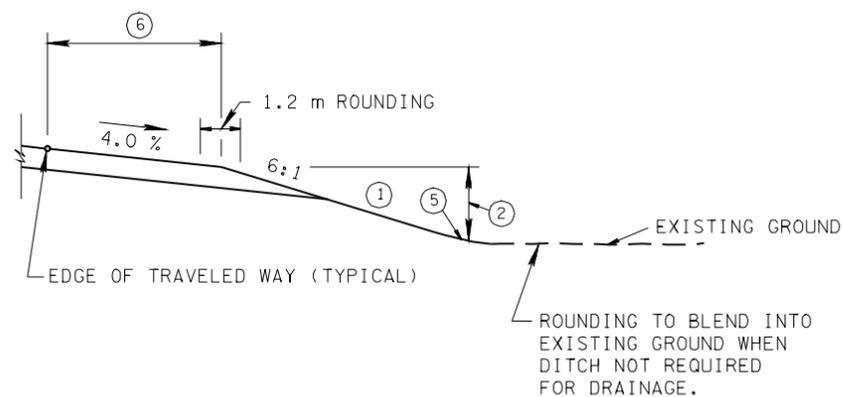
| GENERAL SLOPE TABLE |                     |                  |                     |
|---------------------|---------------------|------------------|---------------------|
| CASE I              |                     | CASE II          |                     |
| FILL SLOPES<br>①    | HEIGHT OF FILL<br>② | FILL SLOPES<br>① | HEIGHT OF FILL<br>② |
| 6:1                 | 0 m - 2.1 m         | 4:1              | 0 m - 1.8 m         |
| 4:1                 | 2.1 m - 4.6 m       | 3:1              | 1.8 m - 2.4 m       |
| 3:1                 | 4.6 m - 8.5 m       | 2:1              | 2.4 m - 3.7 m       |
| 2:1                 | OVER 8.5 m          | ④ 1.5:1          | OVER 3.7 m          |
| CUT SLOPES<br>③     | DEPTH OF CUT<br>②   | CUT SLOPES<br>③  | DEPTH OF CUT<br>②   |
| 4:1                 | 0 m - 4.6 m         | 4:1              | 0 m - 1.8 m         |
| 3:1                 | 4.6 m - 6.1 m       | 3:1              | 1.8 m - 2.4 m       |
| 2:1                 | OVER 6.1 m          | 2:1              | 2.4 m - 3.7 m       |
|                     |                     | ④ 1.5:1          | OVER 3.7 m          |

CASE I: FOR ALL INTERSTATE AND ARTERIAL ROUTES. ALSO FOR COLLECTORS WITH A DESIGN SPEED OF 80 km/h OR GREATER AND A DESIGN YEAR ADT OF GREATER THAN 400.

CASE II: FOR LOCAL ROADS AND STREETS AND COLLECTORS NOT COVERED IN CASE I.

SPECIAL NOTE

SHOULDER DETAILS SHOWN ON THIS SHEET ARE APPLICABLE TO OUTSIDE SHOULDER ONLY, ON PROJECTS AS DESCRIBED IN CASE I ABOVE. FOR DETAILS OF INSIDE SHOULDERS ON MULTI-LANE ROADWAYS, SEE APPROPRIATE STANDARD DRAWINGS.



FILL SLOPES

FOOTNOTES

- ④ FILL AND/OR CUT SLOPES STEEPER THAN 2:1 ARE TO BE USED ONLY WHEN RECOMMENDED OR APPROVED BY THE SOILS AND GEOLOGY SECTION. WITHOUT THEIR APPROVAL OR RECOMMENDATION, USE 2:1 SLOPES FOR ALL FILL AND/OR CUT SLOPES GREATER THAN 3.7 METERS. SEE RDM01-S-11B FOR ROCK CUT SLOPE AND CATCHMENT DETAILS.
- ⑤ SLOPES AT THE TOE OF FILLS AND TOP OF CUTS SHALL BE ROUNDED TO BLEND INTO THE EXISTING TERRAIN.
- ⑥ FOR CORRECT SHOULDER WIDTH SEE APPROPRIATE DRAWING IN THE RDM01-TS-SERIES. SOME SHOULDERS MAY BE LESS THAN 3.6 METERS.
- ⑦ SEE APPROPRIATE RDM01-SERIES DRAWING FOR FORESLOPE.



ALL UNITS ARE IN MILLIMETERS  
UNLESS NOTED OTHERWISE.

MINOR REVISION -- FHWA  
APPROVAL NOT REQUIRED.

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

DESIGN AND  
CONSTRUCTION  
DETAILS  
FOR ROADSIDE  
SLOPE DEVELOPMENT

10-15-02 RDM01-S-11