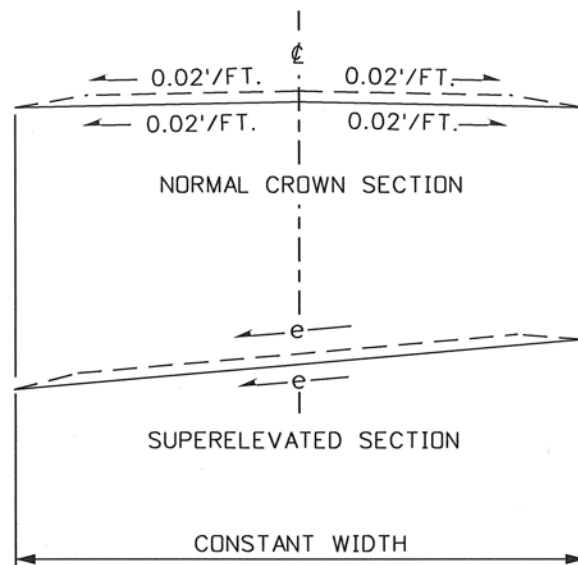
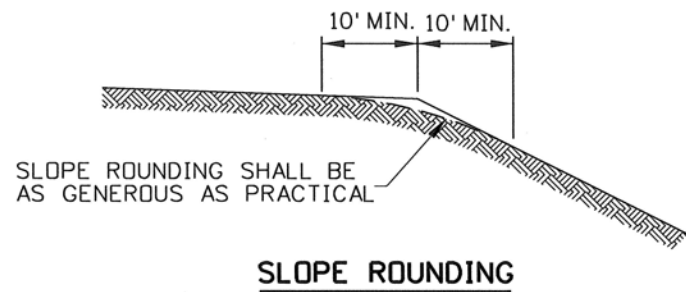
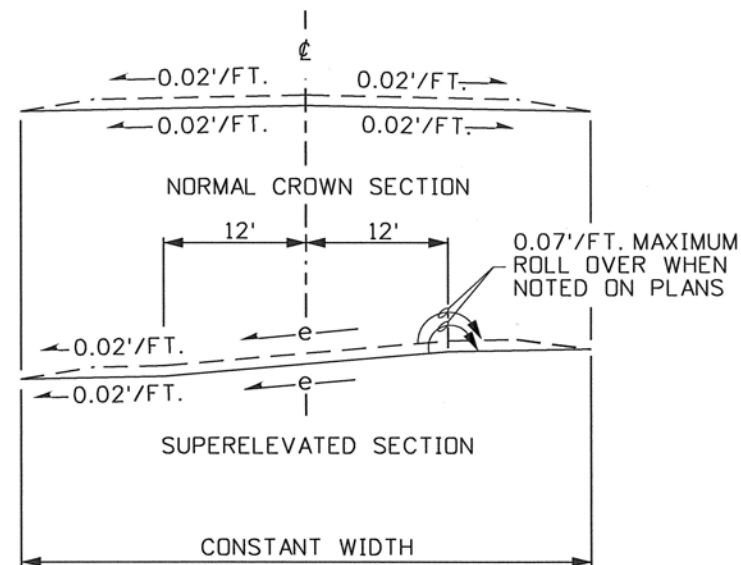


**SLOPE GRADING**



**SUPERELEVATION**



**SUPERELEVATION WITH ROLL OVER**

**NOTES**

- FOR THE 50' CATCH POINT CONTROL DISTANCE:  
USE 6:1 SLOPE FOR CUTS AND FILLS UP TO 8.3' IN HEIGHT.  
USE VARIABLE SLOPES FOR CUTS AND FILLS OVER 8.3' AND UP TO 25' IN HEIGHT MAINTAINING THE CONSTANT 50' CATCH POINT DISTANCE.  
USE 2:1 SLOPE FOR CUTS AND FILLS OVER 25' IN HEIGHT.  
SLOPES SHOWN ARE MAXIMUM, FLATTER SLOPES SHOULD BE USED WHEN FEASIBLE.
- CUT AND FILL SLOPES IN DIFFICULT TERRAIN MAY REQUIRE SPECIAL CONSIDERATION.
- SLOPE ROUNDING SHALL CONSIST OF ONE OR MORE CHORDS OR ROUNDED SURFACE. THE DEPTH AND WIDTH OF SLOPE ROUNDING SHALL BE AS DIRECTED.
- ROLL OVER WILL NOT BE USED UNLESS NOTED ON THE PLANS.
- SLOPE TREATMENT SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED.
- ALL SLOPES SHALL BE CHECKED TO DETERMINE IF THERE IS A GUARDRAIL WARRANT BASED ON SLOPE HEIGHT AND STEEPNESS.
- ROADSIDE SLOPE TREATMENT SHALL BE AS SHOWN ON STANDARD DRAWING A-6 AND/OR AS DIRECTED ON THE PLANS.
- WHEN USING GUARDRAIL, WIDEN SHOULDER AS SHOWN ON THE APPROPRIATE ITD GUARDRAIL STANDARD DRAWING.
- NOT TO SCALE.

| REVISIONS |       |    |     |      |     |     |      |     |  |
|-----------|-------|----|-----|------|-----|-----|------|-----|--|
| NO.       | DATE  | BY | NO. | DATE | BY  | NO. | DATE | BY  |  |
| 1         | 9-65  |    | 6   | 3-90 | GB  | 11  | 7-09 | GAM |  |
| 2         | 10-66 |    | 7   | 4-93 | MSM |     |      |     |  |
| 3         | 2-69  |    | 8   | 1-00 | MSM |     |      |     |  |
| 4         | 2-83  |    | 9   | 7-03 | MSM |     |      |     |  |
| 5         | 3-87  |    | 10  | 6-05 | MSM |     |      |     |  |

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY  
CADD FILE NAME: a2\_0709.std  
DRAWING DATE: MAY, 1961

**IDAHO TRANSPORTATION DEPARTMENT**



*Richard Thomas*  
ASSISTANT CHIEF ENGINEER (DEVELOPMENT)  
*[Signature]*  
CHIEF ENGINEER

BOISE IDAHO

STANDARD DRAWING

**RURAL PRINCIPAL ARTERIAL GRADING**

**English**

STANDARD DRAWING NO.

**A-2**

SHEET 1 OF 1

