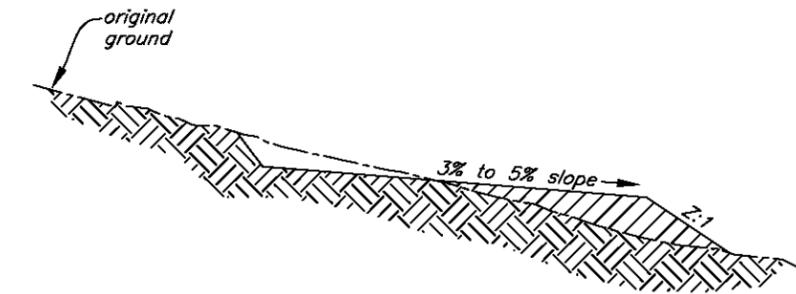


**WHEN TO USE:**

- Road grade is steep (>8%)
- Surface drainage is carried to a ditch
- O&M on ditches can be performed on a regular basis.
- Safety concerns (ie potential for sliding) do not allow for outsloping.

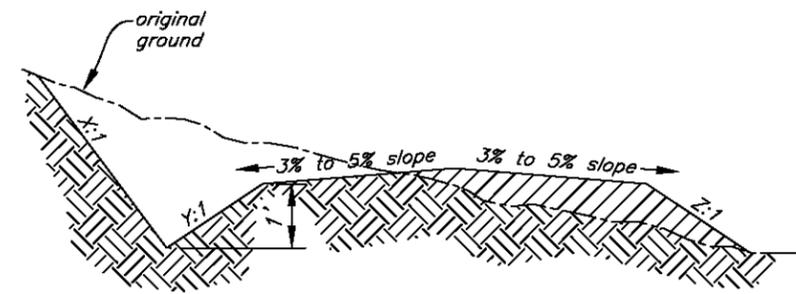
INSLOPE ROAD PRISM



**WHEN TO USE:**

- Road grade is gentle or flat (<7%)
- Ditch or cut slope is unstable
- Runoff from hillside is conducive to sheet flow
- Rutting can be controlled
- Road use is seasonal and traffic is light

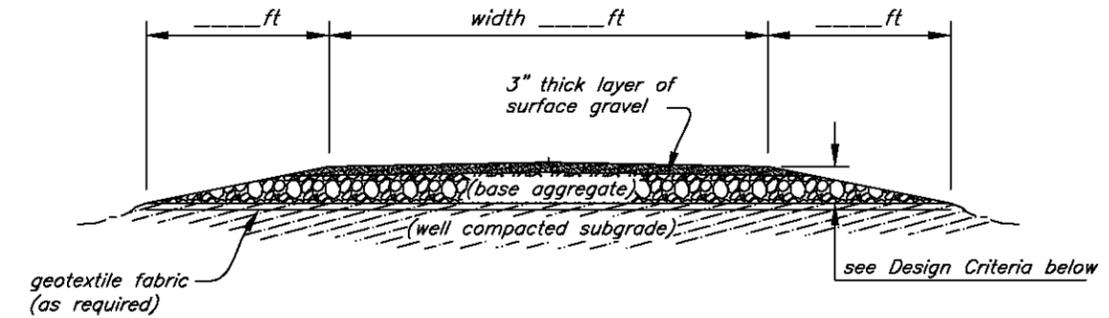
OUTSLOPE ROAD PRISM



**WHEN TO USE:**

- Two traffic lanes are required
- Regular maintenance of ditches, crown and cross drains is possible
- Single lane road on steep grade
- Slippery road conditions are prevalent

CROWN ROAD PRISM



**TYPICAL ROAD SECTION**

Note: The surface gravel and base aggregate can be the same material.  
Depth of aggregate base may be adjusted based on site specific analysis by a qualified engineer.

**DESIGN CRITERIA**

Project Name \_\_\_\_\_ Road Prism Type \_\_\_\_\_  
 Location of Road \_\_\_\_\_  
 Primary Use (i.e. wet weather haul, light use, etc) \_\_\_\_\_  
 Is this an environmentally sensitive road? (i.e. within 300 feet of waterway) \_\_\_\_\_ YES \_\_\_\_\_ NO  
 Road Width \_\_\_\_\_ ft Shoulder Width \_\_\_\_\_ ft

**AGGREGATE**

Minimum Surface Course Aggregate Thickness (See Table 3) \_\_\_\_\_ inches  
 Minimum Base Aggregate Thickness (See Table 4a or 4b) \_\_\_\_\_ inches  
 Recommended Gradation \_\_\_\_\_

**SURFACE AGGREGATE**

SIEVE SIZE	PERCENT PASSING
	_____inch
2"	
1.5"	
1"	
3/4"	
1/4" or #4	
#10	
#40	

**BASE AGGREGATE**

SIEVE SIZE	PERCENT PASSING
	_____inch
4"	
3"	
2"	
1.5"	
1"	
3/4"	
1/4" or #4	
#10	
#40	

**GEOTEXTILE**

Is Geotextile Required \_\_\_\_\_ YES \_\_\_\_\_ NO (If on rock)  
 Type (i.e. Woven or Nonwoven) \_\_\_\_\_  
 Grab Strength } \_\_\_\_\_  
 Tear Strength } (See Table 5) \_\_\_\_\_  
 Permittivity } \_\_\_\_\_  
 AOS \_\_\_\_\_

Date \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked \_\_\_\_\_  
 Approved \_\_\_\_\_  
 Title \_\_\_\_\_