

CURVE AND SWITCHBACK INSPECTION FORM



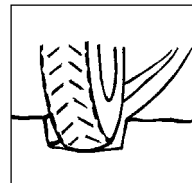
Landowner _____ Date _____

Road Segment _____ Form No. _____

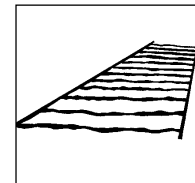
Service Level High Medium Low

I. Road Surface Condition

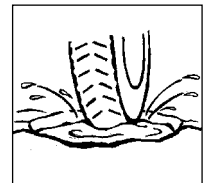
Is road surface smooth and firm? Yes No
 Is erosion evident on the road surface? Yes No
 If yes, indicate which type of erosion is present.
 Sheet Rill Gully Other
 Does road become slick when wet? Yes No
 Rut easily when wet? Yes No
 Check any of the following which are present or occur seasonally.



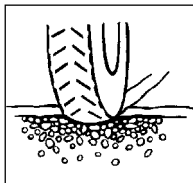
Ruts



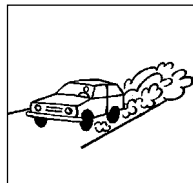
Washboard



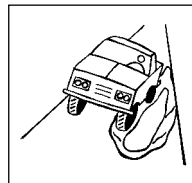
Potholes



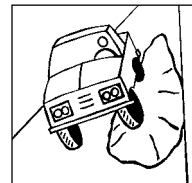
Sinking Gravel



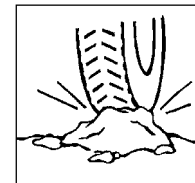
Dust



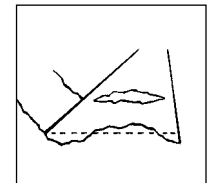
Low Spot



High Spot



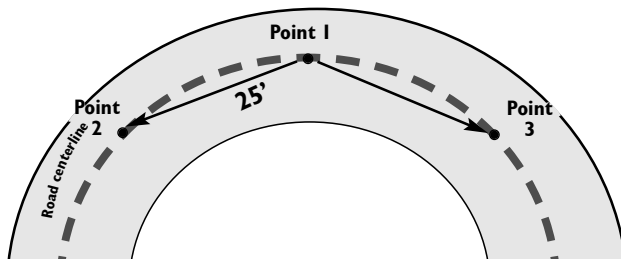
Large Rocks



Bedrock

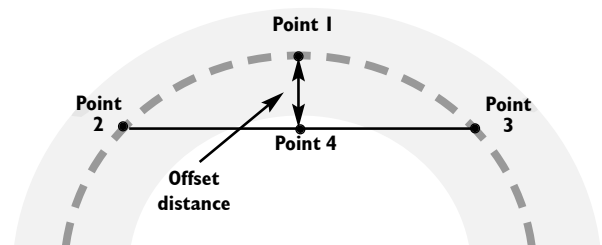
2. Curve or Switchback Radius

Locate points 1, 2 and 3.



1. Locate point 1 on the road centerline at the curve middle or sharpest point. Mark with color chip.
2. Move back along road centerline until 25 feet of measuring tape pulls tight. Mark point 2 with color chip.
3. Return to point 1. Move forward along road centerline until 25 feet of measuring tape pulls tight. Mark point 3 with color chip.

Next, locate point 4 and measure curve offset distance to the nearest inch.



4. Stretch measuring tape on the ground between points 2 and 3. Locate point 4 on the tape line perpendicular to point 1.
5. Measure the distance between points 1 and 4 to the nearest inch. This is the curve offset distance. Use the table below to determine curve radius based on your curve offset measurement. Record answer in space provided.

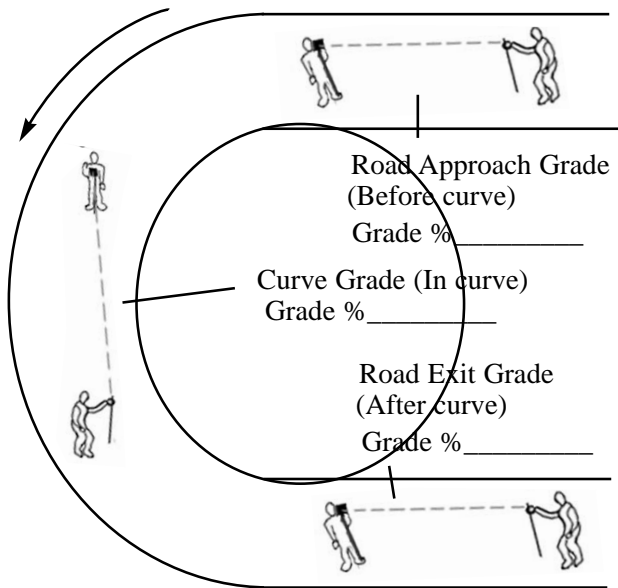
Curve Offset (Feet and inches)
 Curve Radius (Feet)

8'7"	7'7"	6'10"	6'1"	5'7"	5'1"	4'5"	4'1"	3'5"
35	40	45	50	55	60	70	80	90

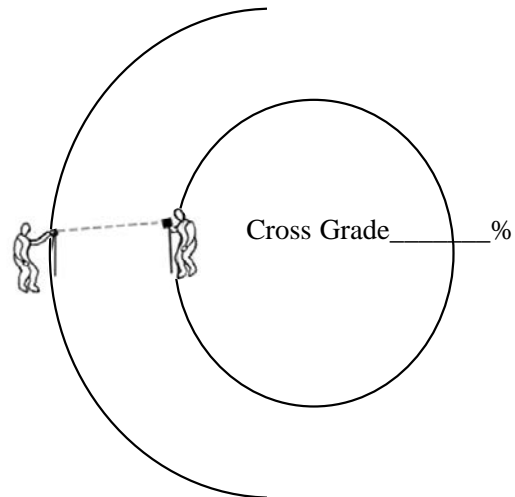
Curve Radius _____

3. Road Approach, Curve and Road Exit Grades (Use clinometer. Measure on centerline)

Direction of Outbound Loaded Vehicle



4. Curve Cross Grade (Measure at middle of curve)

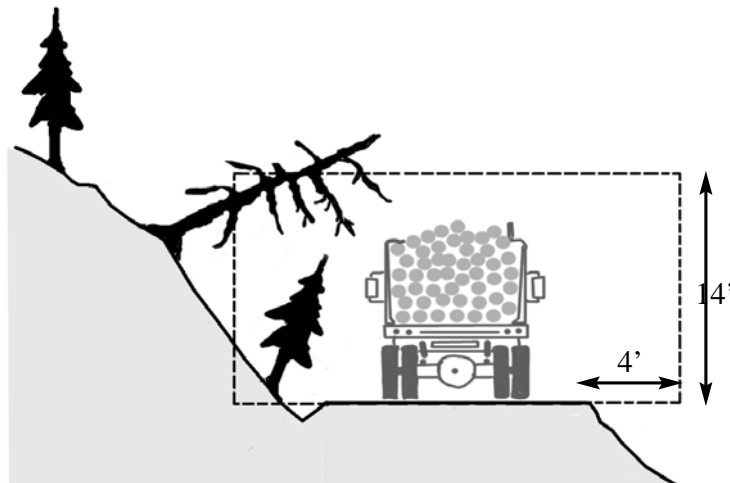


5. Clearance

Look for horizontal obstructions at the road edge and vertical obstructions above the road.

Horizontal Clearance <4' >4'

Vertical Clearance <14' >14'



6. Curve Width

Is the road width in the curve equal or greater than two design vehicles +4 ft.? Yes No

Design Vehicle	Recommended Curve Width (feet)
Pickup or car	20
Log truck	24
Low Boy/Wide load	>24

7. Have there been problems with vehicle traffic in the curve?

- Poor traction Backing required Tail sweep Blind corner
- Tight radius limits large truck access Describe Other: _____