

nventory-based Rating System™ Quick Guide

Surface Width

Good

22 ft or more (6.7 m)



Include any shoulder in the width that is suitable for travel

Fair

16 to 21 ft
(4.9 to 6.4 m)



Be aware of trees and slopes that may influence your width perception

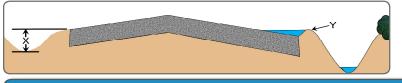
Poor

15 ft or less (4.6 m)



Orientate yourself by physically measuring the width until you are comfortable making accurate estimates from your vehicle

Drainage Adequacy

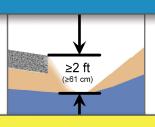


Note whether driveway culverts are present; if they are, then drainage is most likely good or fair

Good

X is 2 ft or more

No secondary ditches (Y) present



Be aware of conditions that would not warrant ditching (i.e., tops of hills) that may influence your perception of ditches

Fair

X is 0.5 to <2 ft

(15 to <61 cm)

OR X is 2 ft or more AND secondary ditches present

0.5 to <2 ft (15 to <61 cm)

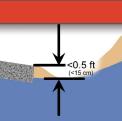
Measure the actual ditch depth until you are comfortable estimating accurately from your vehicle

Poor

X is < 0.5 ft

(15 cm)

Secondary ditches may or may not be present



Be aware of tall grass hiding ditches

Structural Adequacy

Good

>7 in of good gravel



Fair

4-7 in of good gravel



Poor

HICKNESS IS NOT KNOWN

<4 in of good gravel



GOOD: NO STRUCTURAL DISTRESSES

FAIR: SOME | DURING WET PERIODS

RUTS: Prevalent, substantial, and ≥ 1-inch deep



POTHOLES: Prevalent, substantial, and ≥ 3-feet wide

POOR: MANY | THROUGHOUT THE ENTIRE YEAR

For more information, see *IBR System™ Training Manual* at ctt.mtu.edu/asset-management resources





Look into what is causing structural problems; more gravel is not a remedy for bad cross-slope drainage

If you do not know the segment's history, ask someone who does; otherwise, rate during thaw, wet, and/or dry periods to determine when the road is impassable and when ruts and potholes are present.

Width	Drain	Struc	IBR#
Good	Good	Good	10*
Good	Good	Good	9
Good	Good	Fair	8
Good	Good	Poor	7
Good	Fair	Good	9
Good	Fair	Fair	8
Good	Fair	Poor	6
Good	Poor	Good	7
Good	Poor	Fair	6
Good	Poor	Poor	5
Fair	Good	Good	8
Fair	Good	Fair	7
Fair	Good	Poor	6
Fair	Fair	Good	7
Fair	Fair	Fair	6
Fair	Fair	Poor	5
Fair	Poor	Good	6
Fair	Poor	Fair	5
Fair	Poor	Poor	4
Poor	Good	Good	5
Poor	Good	Fair	4
Poor	Good	Poor	3
Poor	Fair	Good	4
Poor	Fair	Fair	3
Poor	Fair	Poor	2
Poor	Poor	Good	3
Poor	Poor	Fair	2
Poor	Poor	Poor	1

Rating Lookup Chart

*Segment is < 1 year old