

PASER

PAvement Surface Evaluation Rating

Rating System

PASER uses visual inspection to evaluate pavement surface conditions in order to choose the correct fix for the road. It's a 1-10 scale, 1 being a failed road and 10 being a newly constructed road.

	Surface Rating	Visible Distress	Remedy	Road Life Added	Cost*
	10 Excellent	None, New Road	None	N/A	N/A
Little or No Maintenance	9 Excellent	None, Recently Paved	None	N/A	N/A
	8 Very Good	Cracks Start to Form	None	N/A	N/A
Routine Maintenance	7 Good	Cracks Open Up and are 10' - 40' apart	Crack Seal	1-3 years	\$2,500
Preventive Maintenance	6 Good	Cracks are connecting (block cracking) and a few pot hole patches	Chip Seal or Microsurface	3-6 years 3-5 years	\$17,000 \$33,500
	5 Fair	Cracks raveling, edges starting to crack, patches in good condition	Chip Seal or Bit Mat	3-6 years 5-7 years	\$18,000 \$58,000
Structural Improvement	4 Fair	Cracks in wheel path, over 50% of surface cracked, structurally weak	Bit Mat 1.5" to 2.0" Double Chip Seal	7-10 years 4-7 years	\$58,000 \$37,000
	3 Poor	Closely spaced severe cracking, some alligator cracking, patches in poor condition, rutting	Patching and Bit Mat 1.5"	7-10 years	\$80,000
Reconstruct	2 Very Poor	Alligator Cracking over 25% of surface, severe rutting, Extensive patching in poor condition	Crush, Shape, Repave 3"	15 years	\$128,000
	1 Failed	Extensive surface distress, Loss of surface integrity	Crush, Shape, Repave 3"	15 years	\$128,000

*Cost is an estimated average price per mile for year 2011

ROAD EXAMPLES:

PASER Ratings

Routine Maintenance—PASER 8, 9, 10



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FIX: None.

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Capital Preventive Maintenance—PASER 5, 6, 7



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FIX: Crack Seal, ChipSeal, Microsurface, Bit Mat 1"

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Structural Improvement—PASER 1, 2, 3, 4



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FIX: Bit Mat Patch Course with Bit Mat 1.5"

Fatigue Cracking (Alligatoring)



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FIX: Crush, Shape and Bit Mat 3"