

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 | \$21,900 \$32,000 |
| | 5 Fair | Cracks raveling, edges starting to crack, patches in good condition | Chip Seal or Bit Mat | 3-6 years 5-7 years | \$21,900 \$60,000 |
| 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 | \$80,000 \$48,000 |
| | 3 Poor | Closely spaced severe cracking, some alligator cracking, patches in poor condition, rutting | Patching and Bit Mat 1.5" | 7-10 years | \$72,000 |
| Reconstruct | 2 Very Poor | Alligator Cracking over 25% of surface, severe rutting, Extensive patching in poor condition | Crush, Shape, Repave 3" | 15 years | \$142,000 |
| | 1 Failed | Extensive surface distress, Loss of surface integrity | Crush, Shape, Repave 3" | 15 years | \$142,000 |

*Cost is an estimated average price per mile for year 2014

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"