



Clare Avenue Experimental Project – “Sandwich Seal”

Detailed History Per Mile Segment Colonville to M-61 (8 Miles)



Image: 2018 Clare Avenue Paving



Image: 2018 Clare Avenue Chip Seal

Colonville to Surrey

- Reconstruction – 2011
- Chip Seal – 2018

Surrey to Beaverton

- Reconstruction – 2011
- Chip Seal – 2018

Beaverton to Dover (Sandwich Seal)

- Chip Seal – 2015
- Overlay – 2016
- Chip Seal – 2018

Dover to Adams (Future Sandwich Seal)

- Chip Seal – 2016
- Overlay – 2017
- Future Chip Seal

Adams to Browns (Future Sandwich Seal)

- Chip Seal – 2016
- Overlay – 2018
- Future Chip Seal

Browns to 1 mile North (Future Sandwich Seal)

- Chip Seal – 2016
- Overlay – 2018
- Future Chip Seal

1 mile North of Browns to Ashard (Future Sandwich Seal)

- Chip Seal – 2016
- Overlay – 2018
- Future Chip Seal

Ashard to Mannsiding (Future Sandwich Seal)

- Chip Seal – 2016
- Overlay – 2018
- Future Chip Seal

Mannsiding to M-61

- Reconstruction – 2013
- Future Chip Seal

“Clare Sandwich Seal”



Road Cross Section



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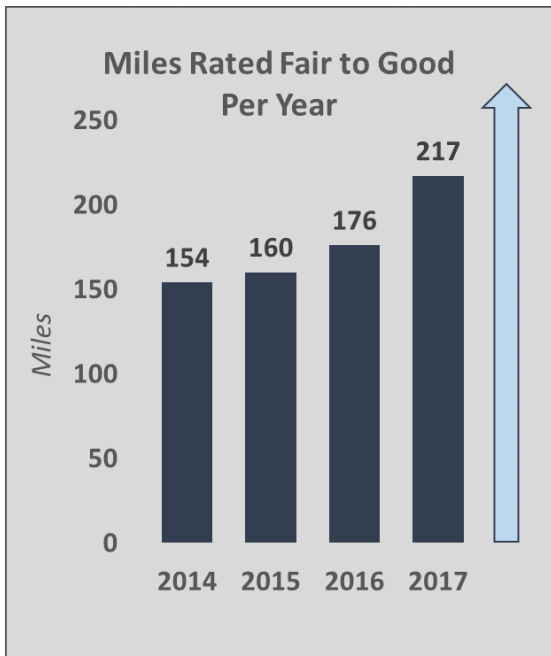
Detailed History Per Mile Segment
Colonville to M-61 (8 Miles)

In 2014, the Clare County Road Commission took an experimental initiative on how to improve Clare Avenue at a reduced cost. The previous industry accepted design was approximately \$1.2 Million per mile, which included removing old concrete slabs, existing asphalt, going down approximately three feet and starting fresh with new sand, gravel, and pavement. Implementing an experimental design methodology to reduce costs, resulted in a new cost of \$180,000 per mile.

Side by side analysis indicates a better overall level of service on the paved road system. At \$180,000 per mile vs. \$1.2 Million, we can improve roadways at a lower cost.



While the \$1.2 Million per mile provides a wider cross section, including paved shoulders, the road commission accepted narrower cross sections for cost efficiency and value. If this design strategy was not selected, much of the funding would have gone to Clare Avenue at the expense of the rest of the county roads, which have been maintained at either \$30,000 per mile for chip sealing, or \$80,000 per mile for asphalt overlay/paving.



Increased Miles Rated Fair to Good

As seen in the adjacent chart, the savings from this design strategy resulted in increased road improvements throughout the entire county.



Image: 2018 Clare Avenue Paving