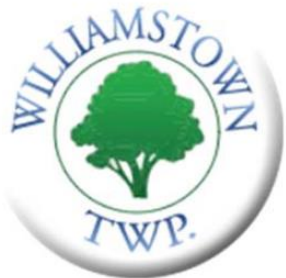


2019 PASER Ratings Update & Roadway Improvement Plan

February 5, 2020



EXISTING OVERVIEW

- Approximately 78.6 miles of roadways; 47.3 miles of LOCAL ROADWAYS
- Value of existing Township roadway network is over \$73,000,000 with the local roadway system consisting of over 59% of the value at over \$43,000,000!



Existing Roadway Condition at Charlsfield La. (PASER rating of 1)

Legal System	Mileage ¹	Value ² (2019 Dollars)
Undefined ³	0.6 mi	\$590,000
State Trunkline	3.5 mi	\$3,240,000
County Primary	28.2 mi	\$26,150,000
County Local	47.3 mi	\$43,850,000
Total	79.6 mi	\$73,830,000

1 - All roadway mileage has been rounded to the nearest tenth.
 2 - Value is based on the estimated cost of \$927,000 per roadway mile.
 3 - ICRD will need to update the Roadsoft data from undefined.

Over 70% of the existing local roadway network is in **disrepair**

Surface Subtype	Good			Fair			Poor				Total Mileage	Average PASER Rating
	10	9	8	7	6	5	4	3	2	1		
Asphalt	0.0	1.0	4.6	0.8	4.6	2.5	4.4	8.2	14.5	6.5	47.3	3.0
Percentage	0.1%	2.2%	9.8%	1.8%	9.8%	5.3%	9.2%	17.4%	30.7%	13.8%	100.0%	



TOWNSHIP GOALS

- Improve the local roadway network by performing maintenance and improvements for all local roadways over the next 10 years
- Leverage the County's staff and equipment to get the best bang for the buck and improve lower rated roadways for less
- Develop an improvement plan for roadways in 3-year increments

PASER Rating	Uncurbed - 22' Wide		Curbed - 28' Wide	
	Description	Cost/mile	Description	Cost/mile
1	FDR w/ County Overlay	\$200,000	3" Mill & Fill w/Overlay	\$315,000
2	FDR w/ County Overlay	\$200,000	3" Mill & Fill w/Overlay	\$315,000
3	2" M/F w/ County Overlay	\$100,000	2" M/F w/ Overlay	\$225,000
4	2" M/F w/ County Overlay	\$100,000	2" M/F w/ Overlay	\$225,000
5	Microsurfacing	\$45,000	Microsurfacing	\$60,000
6	Microsurfacing	\$45,000	Microsurfacing	\$60,000
7	OBC	\$6,500	OBC	\$10,000
8	OBC	\$6,500	OBC	\$10,000
9	Single Seal	\$25,000	Single Seal	\$32,000
10	Single Seal	\$25,000	Single Seal	\$32,000



KEY ASSUMPTIONS

- The Township will continue to allocate \$45,000 per year with the County matching for a total of \$90,000 a year for local roadways on top of this millage
- Design and Construction Engineering and Inspection is included in these cost at 8% of the construction cost.
- The County Road Commission will be able to provide overlay of 2" for approximately \$70,000 per mile
- A inflation rate of 3% was assumed for the total project cost each year
- The Township will be able to interchange some treatments during detailed design work
- The first year of implementation/construction will be 2021



ACHIEVING THE GOAL

- A 2.97 millage will achieve an acceptable level of roadway improvements for the local roadway network
- \$742,500 will be raised by the millage, creating an annual budget of \$832,500
- Total money spent over 10 years will be \$8,325,000
- Money will only be spent on the local roadway network
- The County Road Commission will provide guidance for design, but will not be “in charge” of improvements
- All improvements will be selected based on maximizing the money allocated from funding while spreading improvements across the Township equally





2019 PASER RATINGS UPDATE & ROADWAY IMPROVEMENT PLAN

QUESTIONS?

