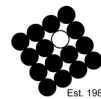


# **ROADWAY MAINTENANCE STUDY**

PREPARED FOR

**TOWNSHIP OF SOUTH FAYETTE**  
**515 Millers Run Road**  
**Morgan, Pennsylvania 15064**

NOVEMBER 2015



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**Lennon, Smith, Souleret  
Engineering, Inc.**

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**TOWNSHIP OF SOUTH FAYETTE  
ROADWAY MAINTENANCE STUDY  
NOVEMBER 2015**

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**TOWNSHIP OF SOUTH FAYETTE  
ROADWAY MAINTENANCE STUDY  
NOVEMBER 2015**

**PURPOSE AND OBJECTIVE**

The purpose of this Roadway Maintenance Study is to review the existing pavement condition for all roadways throughout the Township of South Fayette and provide probable construction costs for a Long Term Capital Improvement Program. This will provide a basis for the Township to develop a long-term roadway resurfacing and maintenance program. Only roadways owned and maintained by the Township were evaluated.

**APPROACH AND BASIS OF EVALUATION**

A field observation was completed for each roadway by Lennon, Smith, Souleret Engineering, Inc. (LSSE) and the Township. A rating system from 1 to 10 was utilized to rate each roadway based on the current condition of the road (refer to Appendix C). Each roadway was also rated on additional criteria in order to obtain a weighted ranking. These additional criteria included traffic volume, heavy truck volume, potholes, utility cuts/patches and cracking. The weighted ranking system was then utilized to compare roadways that were rated the same (i.e. to compare 5's to 5's or 7's to 7's). This will provide organization for selecting roads for future resurfacing programs as well as provide a basis for future reviews. Roadways were also designated as Collector, Neighborhood or Local roadways. Collector roadways are classified as roads that are highly traveled and are the major routes to travel throughout the Township. They typically require major maintenance every 8 to 12 years. Neighborhood roadways are classified as roads that are located in developments and densely populated areas of the Township. These roadways have less traffic, most of which is only local traffic with some "cut-through" traffic. They typically require major maintenance every 15 to 20 years. Local roadways are considered roads that are located in the more rural areas of the

Township that have few houses per road. These roadways see the least amount of traffic the majority of which is local traffic. They typically require major maintenance every 20 to 30 years.

## **STANDARDS**

This roadway rating system enables LSSE to make a recommendation for a proposed pavement resurfacing method, quantity of base repair and storm sewer maintenance on an individual roadway basis. Three resurfacing methods were included in the table; mill and pave, mill and pave with thin overlay and tar and chip. “Current year” probable construction costs were then applied to produce an opinion of probable cost estimate for bituminous pavement maintenance for each roadway. The opinion of probable cost estimates for each roadway were then subtotaled together, and a 15% contingency of the estimated construction cost was applied to provide a total opinion of probable cost analysis for the maintenance of all Township streets.

## **MEASUREMENT AND QUANTITIES**

LSSE completed field observations with the Township to evaluate the existing condition of the roadways and existence of curb to create an overall rating for the roadways. Roadway lengths and widths were provided by the in-house Township Engineer for most of the roadways. Lengths and widths for the other roadways were determined using GIS (Geographic Information System) mapping provided by the Township. Reviews of existing storm systems were not included in this study; however a percentage of the total cost for each roadway was included for storm sewer maintenance.

- **PennDOT Liquid Fuels**

The Pennsylvania Department of Transportation (PennDOT) has established a policy for reimbursement of Liquid Fuels taxes to local municipalities for maintenance of roads and other eligible activities. The amount reimbursed is based on total length of

roadway owned and maintained by the municipalities meeting the criteria for participation. There are no published “standards” for qualification as a liquid fuels street (i.e. pavement section, grade, etc.). The current PennDOT policy for consideration under Liquid Fuels participation is as follows:

1. 16' minimum width of roadway.
2. Ability to be driven safely at speed of 15 miles per hour.
3. Minimum length – 250 feet measured from last intersection.
4. 33' right-of-way required, but the Township can go as small as 16' for right-of-way with restrictions. The standard is 33' right-of-way minimum.
5. Minimum 40' radius cul-de-sac.
6. Improved Surface (can be dirt, slag, bituminous, tar and chip).

### **MAINTENANCE OPTIONS**

Roadway cost estimates were prepared using one of the following maintenance options:

1. Maintenance Option 1 is recommend for roadways with ratings of 1 through 7 and consists of 4" average milling, base repair (ranging from 10-40% of total area – i.e. Rating of 1 = 40%, Rating of 7 = 10%), 2½" or 3½" bituminous binder course (depending on traffic volume) and 1½" bituminous wearing course. This is the only scope recommended for these roadways except for roads with very low traffic volume or longer roads that have very few houses. For these roads see Maintenance Option 3 below.
2. Maintenance Option 2 is for roadways with a rating of 8 and 9 and consists of 2" milling/profiling, base repair (Rating of 8 = 5%, Rating of 9 = 2%), ¾" bituminous leveling course and 1½" bituminous wearing course. Option 1 may also be used for these roadways, but is not shown or included in the table. Note

Option 1 must be utilized on roadways rated 8 after 5 years from the date of this Study.

3. Maintenance Option 3 is for roadways that have a very low traffic volume or very few houses. This option consists of base repair (ranging from 2-40% of total area – i.e. Rating of 1 = 40%, Rating of 9 = 2%), 1/2” bituminous scratch course, 3/4” bituminous leveling course and the application of a double bituminous seal coat, also known as tar and chip. This consists of applying liquid asphalt to the existing roadway surface and spreading crushed limestone chips that adhere to the hot liquid asphalt. For roadways that have a higher rating (7 or above) only a bituminous seal coat could be applied in order to extend the life of the roadway, however the scratch and leveling courses are recommend in order to give the seal coat a uniform even surface to apply to. This application is only recommended for longer roadways that are in non-residential areas and have a low traffic volume. It is primarily recommended for the longer roadways that have been classified as Local roads, which would be very costly to mill and pave. It is not recommended for residential areas and high traffic volume roadways. If utilized on these roadways, a large amount of complaints may be experienced, attributable to the loose stones which chip car paint, break windshields and collect along the shoulder and yard areas prior to the sweeping of the roadway, which does not occur until one week after application. Also the final surface can kick up dust as cars pass over the newly placed stones or after some weathering has occurred, slick spots can occur with the stones being displaced from the road surface on curves, on steep slopes and at stopping areas. Due to the high rate of complaints experienced and current issues the industry is experiencing with bleed through and “clumping” of the liquid product with the use of tar and chip, this option was only utilized for longer Local roads in the study.

## **STORM SEWER UPGRADES**

The condition and functionality of all storm sewers should be reviewed when a roadway is scheduled to be resurfaced to determine if repairs or upgrades are required. For the

purpose of this study, only maintenance repairs of the existing system were included with 5% of the overall cost for roadway improvements being used as an estimated cost for the storm maintenance (i.e. for \$100,000.00 resurfacing cost, we included \$5,000.00 for storm sewer maintenance).

**ANALYSIS AND CONCLUSION**

Currently the Township is spending approximately \$300,000.00 per year on the road maintenance program. With the total opinion of proposed costs (from Appendix A – Table A) totaling \$32,124,093.10 and using the Township’s current 2015 Budget, each road would be maintained every 100 plus years. Refer to Appendix B for the background on the analysis and Appendix A for a detailed roadway listing, rating and estimated cost for each roadway. In Appendix A, Table A lists all the Township’s roadways in ascending rating (i.e. worst roads to best roads). Table B contains only the Collector Roads, Table C contains only the Neighborhood Roads and Table D contains only the Local Roads.

Four funding options were considered to shorten the amount of time between when a roadway will be resurfaced from 100 plus years to 8-40 years depending on the option chosen. The tables below show the amount required to be spent per year.

**FUNDING OPTION A**

<b>TYPE OF ROADWAY</b>	<b>TOTAL PRICE</b>	<b>8-15-20 YEAR PROGRAM FOR TABLES B, C AND D RESPECTIVELY</b>
Collector Roads Table B	\$5,360,672.10	\$670,084.01
Neighborhood Roads Table C	\$17,921,931.20	\$1,194,795.41
Local Roads Table D	\$8,841,489.80	\$442,074.49
	<b>TOTAL PER YEAR</b>	<b>\$2,306,953.91</b>

**FUNDING OPTION B**

TYPE OF ROADWAY	TOTAL PRICE	12-20-30 YEAR PROGRAM FOR TABLES B, C AND D RESPECTIVELY
Collector Roads Table B	\$5,360,672.10	\$446,722.68
Neighborhood Roads Table C	\$17,921,931.20	\$896,096.56
Local Roads Table D	\$8,841,489.80	\$294,716.33
<b>TOTAL PER YEAR</b>		<b>\$1,637,535.57</b>

**FUNDING OPTION C**

TYPE OF ROADWAY	TOTAL PRICE	20-30-40 YEAR PROGRAM FOR TABLES B, C AND D RESPECTIVELY
Collector Roads Table B	\$5,360,672.10	\$268,033.61
Neighborhood Roads Table C	\$17,921,931.20	\$597,397.71
Local Roads Table D	\$8,841,489.80	\$221,037.25
<b>TOTAL PER YEAR</b>		<b>\$1,086,468.57</b>

**FUNDING OPTION D**

TYPE OF ROADWAY	TOTAL PRICE	BUDGET FOR YEARS 1 TO 3	BUDGET FOR YEARS 4 TO 6	BUDGET FOR YEARS 7 TO 9	BUDGET FOR YEARS 10+	YEARS TO RESURFACE EACH ROADWAY
Collector Roads Table B	\$5,360,672.10	\$300,000	\$400,000	\$350,000	\$300,000	17
Neighborhood Roads Table C	\$17,921,931.20	\$250,000	\$250,000	\$380,000	\$550,000	37
Local Roads Table D	\$8,841,489.80	\$100,000	\$100,000	\$120,000	\$150,000	62
<b>TOTAL PER YEAR</b>		<b>\$650,000</b>	<b>\$750,000</b>	<b>\$850,000</b>	<b>\$1,000,000</b>	



**Funding Options A, B and C:** These options budget a set amount towards each group of roadways based on the amount of years desired to resurface each roadway. If the Township chooses Funding Option A the roads in Table B would be maintained every 8 years, the roads in Table C would be maintained every 15 years and the roads in Table D would be resurfaced every 20 years. If the Township chooses Funding Option B the roads in Table B would be maintained every 12 years, the roads in Table C would be maintained every 20 years and the roads in Table D would be resurfaced every 30 years. If the Township chooses Funding Option C the roads in Table B would be maintained every 20 years, the roads in Table C would be maintained every 30 years and the roads in Table D would be maintained every 40 years.

**Funding Option D:** This option differs from the others in that it does not budget a set amount each year. The total budget is set to \$650,000 at first and then gradually increases to \$1,000,000 in the tenth year and beyond. In years one through six, the budget focuses the most funds towards the Collector roads in order to keep the condition of these roads from severely deteriorating. Since these roads are the most traveled in the Township, it is recommended that the initial focus be placed here. However, starting in year seven the focus shifts towards the Neighborhood and Local roads now that the budget has increased and the condition of the Collector roads should be stabilized. Using Funding Option D the roads in Table B would be resurfaced within the first 17 years, the roads in Table C would be resurfaced within the first 37 years and the roads in Table D would be resurfaced within the first 62 years. The total amount of years can be reduced even further if the overall budget continues to increase past \$1,000,000 after year 10, this option assumes a set budget of \$1,000,000 in year 10 and beyond until all roads have been resurfaced.

The appended tables (Appendix A – Tables A, B, C and D) rate the roadways from 1 to 10 as viewed in September 2015. LSSE recommends the Township update the tables yearly with the annual road program to provide current ratings and pricing and to update the tables for roadways restored the previous year. It is very likely that some roadways may deteriorate faster than others, which in turn will change the rating. Therefore by

updating the tables periodically, the tables may be revised accordingly to adjust roadway priorities up or down as necessary. Every ten years we recommend all roads be reviewed to reset the prioritization as necessary.

### **LONG TERM MAINTENANCE**

After the selected maintenance program, with the majority of the curbs and storm sewers having been upgraded, the Township should only be required to complete spot repairs and routine maintenance to both the storm sewers and curbs.

**APPENDIX A**  
**TABLE A**  
**ALL ROADS**

**Table A - Rating Table (All Roads)**  
**TOWNSHIP OF SOUTH FAYETTE**  
**ROAD STUDY**

PREPARED BY: LENNON, SMITH, SOULERET ENGINEERING, INC.  
 DATED: November 2015

RATING SYSTEM			
RATING	DESCRIPTION	RATING	DESCRIPTION
10	NEW CONSTRUCTION	5	MODERATE TO SEVERE RAVELING, TRANSVERSE CRACKING
9	RECENT OVERLAY, LIKE NEW	4	BLOCK CRACKING 25% TO 50%
8	RECENT OVERLAY, SOME REFLECTIVE CRACKING ONLY	3	BLOCK CRACKING OVER 50%, ALLIGATOR CRACKING LESS THAN 25% OF SURFACE
7	LITTLE OR SLIGHT CRACKING, SOME TRAFFIC WEAR	2	SEVERE DISTORTIONS, EXTENSIVE PATCHING, POTHOLES
6	SLIGHT RAVELING AND TRAFFIC WEAR, OCCASIONAL PATCHING	1	SEVERE DISTRESS, EXTENSIVE LOSS OF SURFACE INTEGRITY

STREET ITEMS			
ITEM #	DESCRIPTION	ITEM #	DESCRIPTION
1A	BITUMINOUS MILLING AND PROFILING (2" AVG. DEPTH) (S.Y.)	3A	1.5" DEPTH SUPERPAVE WEARING COURSE (S.Y.)
1B	BITUMINOUS MILLING AND PROFILING (4" AVG. DEPTH) (S.Y.)	3B	1/2" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)
2A	2.5" AVG. DEPTH SUPERPAVE BINDER LEVELING COURSE (TONS)	4	BASE REPAIR (INCLUDING EXCAVATION) (S.Y.)
2B	3/4" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)	5	BITUMINOUS SEAL COAT (DOUBLE APPLICATION) (SY)
		6	EXISTING STORM SEWER AND SYSTEM MAINTENANCE (LS)

STREET RATING	WEIGHTED STREET RATING	YEAR LAST RESURFACED	STREET	TERMINI		LENGTH (FT)	WIDTH (FT)	AREA (SY)	METHOD OF RESURFACE			COMMENTS	ITEM 1A \$3.00	ITEM 1B \$3.50	ITEM 2A \$85.00	ITEM 2B \$90.00	ITEM 3A \$8.50	ITEM 3B \$90.00	ITEM 4 \$45.00	ITEM 5 \$5.00	ITEM 6 5%	ROADWAY TOTAL
				FROM:	TO:				MILL / SCRATCH / WEARING	MILL / BINDER / WEARING	TAR AND CHIP											
1	1.00	1996	Bowman Road	Hickory Grade Road	Coal Pit Run Road	6,758	15	11,263			x		0	0	0	558	0	403	4,505	11,263	\$17,500	\$345,539
1	1.00	1998	Cecil Reising Road	Washington County Line	McDonald Borough Line	9,398	20	20,884			x		0	0	0	1,034	0	747	8,354	20,884	\$32,500	\$640,622
1	1.00	1998	Cecil -Sturgeon Road	Sunset Lane	Riggerts Hill Road	2,851	20	6,336			x		0	0	0	314	0	227	2,534	6,336	\$10,000	\$194,418
1	1.00		Reising Road	Cecil Twp. Line	Rigerts Hill Road	4,330	14	6,736			x		0	0	0	333	0	241	2,694	6,736	\$10,500	\$206,588
1	1.00		Rigerts Hill Road	Reising Road	Cecil-Sturgeon Road	1,954	14	3,040			x		0	0	0	150	0	109	1,216	3,040	\$5,000	\$93,230
1	1.00		Sunset Lane	Cecil-Sturgeon Road	Robinson Road	2,006	14	3,120			x		0	0	0	154	0	112	1,248	3,120	\$5,000	\$95,700
2	2.00		Boys Home Road (East)	Battle Ridge Road	Ridge Road	1,373	14	2,136			x		0	0	0	106	0	76	748	2,136	\$3,500	\$60,702
2	2.00	2001	Boys Home Road (West)	Battle Ridge Road	Ridge Road	1,003	14	1,560			x		0	0	0	77	0	56	546	1,560	\$2,500	\$44,340
2	2.00	1998	Cecil -Sturgeon Road	Robinson Run Road	Sunset Lane	686	20	1,524			x		0	0	0	75	0	54	533	1,524	\$2,500	\$43,233
2	2.00	1998	Cecil -Sturgeon Road	Riggerts Hill Road	Millers Run Road	13,781	20	30,624			x		0	0	0	1,516	0	1,095	10,718	30,624	\$44,000	\$870,438
2	2.00	1998	Coal Pitt Run Road	Alpine Road	Bowman Road	4,858	15	8,097			x		0	0	0	401	0	289	2,834	8,097	\$12,000	\$230,113
2	2.00		Jonagold Drive	Morgan Street	Morgan Street	2,112	16	3,755			x		0	3,755	568	0	3,755	0	1,314	0	\$8,000	\$152,481
2	2.00	2001	Pinch Road	Dutch Hill Road	Pinch Road Ext	317	14	493			x		0	0	0	24	0	18	173	493	\$1,000	\$14,010
2	2.00		Pinch Road Ext	Thomas Run Road	Dutch Hill Road	1,214	14	1,888			x		0	0	0	93	0	67	661	1,888	\$3,000	\$53,576
2	2.00		Ridge Road	Rutherfren Drive (Park)	Boys Home Road	1,848	14	2,875			x		0	0	0	142	0	103	1,006	2,875	\$4,500	\$81,706
3	3.00	2001	Gilmore Hill Road	Oak Ridge Road	Dutch Hill Road	1,848	16	3,285			x		0	3,285	497	0	3,285	0	986	0	\$6,500	\$126,013
3	3.00		Hidden Valley Lane	Dead End	Massaro Place	792	16	1,408			x		0	1,408	213	0	1,408	0	422	0	\$3,000	\$54,009
3	3.00		Marion Drive	Dead End	Patti Drive	106	16	188			x		0	188	28	0	188	0	56	0	\$500	\$7,174
3	3.00		Marion Drive	Patti Drive	Washington Pike	264	16	469			x		0	469	71	0	469	0	141	0	\$1,000	\$17,995
3	3.00		Patti Street	Marion Avenue	Dead End	211	15	352			x		0	352	53	0	352	0	106	0	\$1,000	\$13,481
3	3.00	2001	Pinch Road	Pinch Road Ext	Collier Township Line	211	14	328			x		0	328	50	0	328	0	98	0	\$1,000	\$12,614
3	3.00		Shady Lane	S.R. 978	Dead End	792	10	880			x		0	880	133	0	880	0	264	0	\$2,000	\$33,745
4	3.59	2000	Hickory Grade Road	Old Pond Road	Sr Rte. 0050	422	22	1,008			x		0	1,008	152	0	1,008	0	252	0	\$2,000	\$36,356
4	3.63	2000	Hickory Grade Road	Forbes Street	Old Pond Road	950	22	2,269			x		0	2,269	343	0	2,269	0	567	0	\$4,500	\$81,909
4	3.67		Dutch Hill Road	Pinch Road	Kramers Lane	475	16	844			x		0	844	128	0	844	0	211	0	\$2,000	\$30,503
4	3.68	1992	Nesbit Road	Battle Ridge Road	Collier TWP	792	16	1,408			x		0	1,408	213	0	1,408	0	352	0	\$3,000	\$50,841
4	3.80		Winchester Drive	Dead End	Battery Drive North	264	24	704			x		0	704	106	0	704	0	176	0	\$1,500	\$25,378
4	3.80		Winchester Drive	Battery Drive North	Oakridge Road	211	24	563			x		0	563	85	0	563	0	141	0	\$1,500	\$20,315
4	3.84	1998	Crab Orchard Court	Rutherfren Drive	Cul-de-Sac	264	26	763			x		0	763	115	0	763	0	191	0	\$1,500	\$27,515
4	3.84		Valley View Drive	Oak Ridge Road	Apple Blossom Drive	158	26	456			x		0	456	69	0	456	0	114	0	\$1,000	\$16,467
4	3.84		Valley View Drive	Apple Blossom Drive	Cul-de-Sac	792	26	2,288			x		0	2,288	346	0	2,288	0	572	0	\$4,500	\$82,606
4	3.92	1993	Freedom Drive South	Washington Pike	Cul-de-Sac	1,267	16	2,252			x		0	2,252	341	0	2,252	0	563	0	\$4,500	\$81,344

**Table A - Rating Table (All Roads)**  
**TOWNSHIP OF SOUTH FAYETTE**  
**ROAD STUDY**

PREPARED BY: LENNON, SMITH, SOULERET ENGINEERING, INC.  
 DATED: November 2015

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7	LITTLE OR SLIGHT CRACKING, SOME TRAFFIC WEAR	2	SEVERE DISTORTIONS, EXTENSIVE PATCHING, POTHOLES
6	SLIGHT RAVELING AND TRAFFIC WEAR, OCCASIONAL PATCHING	1	SEVERE DISTRESS, EXTENSIVE LOSS OF SURFACE INTEGRITY

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1B	BITUMINOUS MILLING AND PROFILING (4" AVG. DEPTH) (S.Y.)	3B	1/2" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)
2A	2.5" AVG. DEPTH SUPERPAVE BINDER LEVELING COURSE (TONS)	4	BASE REPAIR (INCLUDING EXCAVATION) (S.Y.)
2B	3/4" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)	5	BITUMINOUS SEAL COAT (DOUBLE APPLICATION) (SY)
		6	EXISTING STORM SEWER AND SYSTEM MAINTENANCE (LS)

STREET RATING	WEIGHTED STREET RATING	YEAR LAST RESURFACED	STREET	TERMINI		LENGTH (FT)	WIDTH (FT)	AREA (SY)	METHOD OF RESURFACE			COMMENTS	ITEM 1A \$3.00	ITEM 1B \$3.50	ITEM 2A \$85.00	ITEM 2B \$90.00	ITEM 3A \$8.50	ITEM 3B \$90.00	ITEM 4 \$45.00	ITEM 5 \$5.00	ITEM 6 5%	ROADWAY TOTAL
				FROM:	TO:				MILL / SCRATCH / WEARING	MILL / BINDER / WEARING	TAR AND CHIP											
4	4.00	1996	Apple Ridge Road	Apple Blossom Drive	Cul-de-Sac	422	26	1,219		x			0	1,219	184	0	1,219	0	305	0	\$2,500	\$43,982
4	4.00	1990	Beech Alley	Cemetery Hill	Magnolia St.	264	10	293		x			0	293	44	0	293	0	73	0	\$1,000	\$10,552
4	4.00		Big Meadow Road	Hunting Ridge Trail	Hunting Ridge Trail	528	26	1,525		x			0	1,525	231	0	1,525	0	381	0	\$3,000	\$55,091
4	4.00		Bluff Street	Grant Street	Dead End	110	12	147		x			0	147	22	0	147	0	37	0	\$500	\$5,288
4	4.00		Bridge Sreet	Thomas Run Road	Dead End	1,056	14	1,643		x			0	1,643	249	0	1,643	0	411	0	\$3,000	\$59,365
4	4.00	1992	Enfield Court	Summit Ridge Road	Turn Around	528	24	1,408		x			0	1,408	213	0	1,408	0	352	0	\$3,000	\$50,841
4	4.00	1992	Fox Chase Court	Hunting Ridge Trail	Hunting Ridge Trail	1,426	24	3,803		x			0	3,803	575	0	3,803	0	951	0	\$7,000	\$137,295
4	4.00	1998	Grail Hill	Ruther Glen Drive	Tiporary Court	264	26	763		x			0	763	115	0	763	0	191	0	\$1,500	\$27,515
4	4.00	1998	Grail Hill	Tiporary Court	Cul-de-Sac	581	26	1,678		x			0	1,678	254	0	1,678	0	420	0	\$3,500	\$60,804
4	4.00	2001	Highland Creek Drive	Hickory Grade Road	Cul-de-Sac	3,432	26	9,915		x			0	9,915	1,500	0	9,915	0	2,479	0	\$18,000	\$358,024
4	4.00	1992	Horseshoe Circle	Summit Ridge Drive	Summit Ridge Drive	1,003	24	2,675		x			0	2,675	405	0	2,675	0	669	0	\$5,000	\$96,619
4	4.00		Hunting Ridge Road	Ridge Point Circle	Ridge Point Circle	528	24	1,408		x			0	1,408	213	0	1,408	0	352	0	\$3,000	\$50,841
4	4.00		Kramers Lane	Dead End	Dutch Hill Road	1,056	14	1,643		x			0	1,643	249	0	1,643	0	411	0	\$3,000	\$59,365
4	4.00	2000	Locust Lane	Dutch Hill Road	Rahner Wood Drive	1,162	16	2,066		x			0	2,066	312	0	2,066	0	517	0	\$4,000	\$74,555
4	4.00		Marshall Road	Scotch Hill Road	LR 681	4,594	15	7,657		x			0	7,657	1,158	0	7,657	0	1,914	0	\$14,000	\$276,455
4	4.00	1991	McVey Street	Cemetery Hill Road	Cortland Street	1,267	19	2,675		x			0	2,675	405	0	2,675	0	669	0	\$5,000	\$96,619
4	4.00	1991	McVey Street Ext.	Cemetery Hill Road	Cemetery Hill Road	1,690	19	3,568		x			0	3,568	540	0	3,568	0	892	0	\$6,500	\$128,856
4	4.00		Middle Street	Parks Road	Dead End	370	15	617		x			0	617	93	0	617	0	154	0	\$1,500	\$22,250
4	4.00	1992	Myrtle Street	Hudson Avenue	Dead End	211	16	375		x			0	375	57	0	375	0	94	0	\$1,000	\$13,564
4	4.00		Railroad Street	Dead End	Park Road	158	14	246		x			0	246	37	0	246	0	62	0	\$500	\$8,865
4	4.00	1992	Ravenwood Drive	Hunting Ridge Trail	Cul-de-Sac	370	28	1,151		x			0	1,151	174	0	1,151	0	288	0	\$2,500	\$41,551
4	4.00	1992	Sharps Circle	Meeting House Road	Meeting House Road	317	22	775		x			0	775	117	0	775	0	194	0	\$1,500	\$27,964
4	4.00		South Street	North FayetteTwp Line	Dead End	792	14	1,232		x			0	1,232	186	0	1,232	0	308	0	\$2,500	\$44,454
4	4.00	1993	Summit Ridge Drive	Enfield Court	Boyce Road	634	22	1,550		x			0	1,550	234	0	1,550	0	388	0	\$3,000	\$55,928
4	4.00		Vista Street	S.R. 978	Dead End	528	22	1,291		x			0	1,291	195	0	1,291	0	323	0	\$2,500	\$46,591
4	4.00		Walnut Street	Main Street	Water Street	317	16	564		x			0	564	85	0	564	0	141	0	\$1,500	\$20,338
5	4.46	2005	Old Oakdale Road	Valley Forest Road	Forest Ridge Road	6,706	26	19,373		x			0	19,373	2,930	0	19,373	0	3,875	0	\$33,000	\$655,883
5	4.46	2002	Old Oakdale Road	Forest Ridge Road	Sunridge Drive	1,056	26	3,051		x			0	3,051	461	0	3,051	0	610	0	\$5,500	\$103,256
5	4.60		Fawcett Church Road	Washington County Line	Washington County Line	3,590	16	6,382		x			0	6,382	965	0	6,382	0	1,276	0	\$11,000	\$216,047
5	4.67	1992	Alpine Road	Washington Pike	Clubview Drive	2,006	23	5,126		x			0	5,126	775	0	5,126	0	1,025	0	\$9,000	\$173,521
5	4.67	1992	Alpine Road	Clubview Drive	Coal Pit Run Road	634	23	1,620		x			0	1,620	245	0	1,620	0	324	0	\$3,000	\$54,845
5	4.67	1992	Alpine Road	Coal Pit Run Road	Hickory Heights Drive	1,373	23	3,509		x			0	3,509	531	0	3,509	0	702	0	\$6,000	\$118,824

**Table A - Rating Table (All Roads)**  
**TOWNSHIP OF SOUTH FAYETTE**  
**ROAD STUDY**

PREPARED BY: LENNON, SMITH, SOULERET ENGINEERING, INC.  
 DATED: November 2015

RATING SYSTEM			
RATING	DESCRIPTION	RATING	DESCRIPTION
10	NEW CONSTRUCTION	5	MODERATE TO SEVERE RAVELING, TRANSVERSE CRACKING
9	RECENT OVERLAY, LIKE NEW	4	BLOCK CRACKING 25% TO 50%
8	RECENT OVERLAY, SOME REFLECTIVE CRACKING ONLY	3	BLOCK CRACKING OVER 50%, ALLIGATOR CRACKING LESS THAN 25% OF SURFACE
7	LITTLE OR SLIGHT CRACKING, SOME TRAFFIC WEAR	2	SEVERE DISTORTIONS, EXTENSIVE PATCHING, POTHOLES
6	SLIGHT RAVELING AND TRAFFIC WEAR, OCCASIONAL PATCHING	1	SEVERE DISTRESS, EXTENSIVE LOSS OF SURFACE INTEGRITY

STREET ITEMS			
ITEM #	DESCRIPTION	ITEM #	DESCRIPTION
1A	BITUMINOUS MILLING AND PROFILING (2" AVG. DEPTH) (S.Y.)	3A	1.5" DEPTH SUPERPAVE WEARING COURSE (S.Y.)
1B	BITUMINOUS MILLING AND PROFILING (4" AVG. DEPTH) (S.Y.)	3B	1/2" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)
2A	2.5" AVG. DEPTH SUPERPAVE BINDER LEVELING COURSE (TONS)	4	BASE REPAIR (INCLUDING EXCAVATION) (S.Y.)
2B	3/4" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)	5	BITUMINOUS SEAL COAT (DOUBLE APPLICATION) (SY)
		6	EXISTING STORM SEWER AND SYSTEM MAINTENANCE (LS)

STREET RATING	WEIGHTED STREET RATING	YEAR LAST RESURFACED	STREET	TERMINI		LENGTH (FT)	WIDTH (FT)	AREA (SY)	METHOD OF RESURFACE			COMMENTS	ITEM 1A \$3.00	ITEM 1B \$3.50	ITEM 2A \$85.00	ITEM 2B \$90.00	ITEM 3A \$8.50	ITEM 3B \$90.00	ITEM 4 \$45.00	ITEM 5 \$5.00	ITEM 6 5%	ROADWAY TOTAL
				FROM:	TO:				MILL / SCRATCH / WEARING	MILL / BINDER / WEARING	TAR AND CHIP											
5	4.67	1992	Alpine Road	Hickory Heights Drive	Hickory Grade Road	3,485	23	8,906		x			0	8,906	1,347	0	8,906	0	1,781	0	\$15,500	\$301,521
5	4.67	1992	Alpine Road	Hickory Grade Road	Route 50	1,478	23	3,777		x			0	3,777	571	0	3,777	0	755	0	\$6,500	\$127,852
5	4.71	2000	Hickory Grade Road	Parks Road	Bowman Road	898	22	2,145		x			0	2,145	324	0	2,145	0	429	0	\$4,000	\$72,585
5	4.71	2000	Hickory Grade Road	Pine Valley Drive	Forbes Street	5,069	22	12,109		x			0	12,109	1,831	0	12,109	0	2,422	0	\$20,500	\$409,924
5	4.75	1968	Sygan Road	Morgan Hollow Road	Oakridge Road	5,597	13	8,085		x			0	8,085	1,223	0	8,085	0	1,617	0	\$14,000	\$273,740
5	4.80	1997	Degrave Street (Brown)	Elm Street	Dead End	370	24	987		x			0	987	149	0	987	0	197	0	\$2,000	\$33,392
5	4.80	1998	Old Fayette Trail	Rutherglen Drive	Cul-de-sac	1,267	18	2,534		x			0	2,534	383	0	2,534	0	507	0	\$4,500	\$85,769
5	4.80	2005	Sundance Drive	Washinton Pike	Cul-de-Sac	1,584	26	4,576		x			0	4,576	692	0	4,576	0	915	0	\$8,000	\$154,916
5	4.84	2000	Kingsbrook Drive	Kingswood Lane	SR 3029	739	26	2,135		x			0	2,135	323	0	2,135	0	427	0	\$4,000	\$72,290
5	4.88	2001	Toftrees Drive	Washington Pike	Valleyview	211	26	610		x			0	610	92	0	610	0	122	0	\$1,500	\$20,630
5	4.88	2001	Toftrees Drive	Valleyview	Cul-de-Sac	1,003	26	2,898		x			0	2,898	438	0	2,898	0	580	0	\$5,000	\$98,088
5	5.00		Acacia Drive	Washington Co Line	County Line Road	475	18	950		x			0	950	144	0	950	0	190	0	\$2,000	\$32,190
5	5.00	1990	Alexander Street	Wabash Avenue	Dead End	370	16	658		x			0	658	100	0	658	0	132	0	\$1,500	\$22,318
5	5.00	1996	Apple Blossom Drive	Valley View Drive	Apple Ridge Road	211	26	610		x			0	610	92	0	610	0	122	0	\$1,500	\$20,630
5	5.00	1996	Apple Blossom Drive	Apple Ridge Road	Cul-de-Sac	211	26	610		x			0	610	92	0	610	0	122	0	\$1,500	\$20,630
5	5.00	1996	Battery Drive North	Battery Drive South	Battery Drive South	739	24	1,971		x			0	1,971	298	0	1,971	0	394	0	\$3,500	\$66,721
5	5.00	1996	Battery Drive North	Battery Drive South	Winchester Drive	739	24	1,971		x			0	1,971	298	0	1,971	0	394	0	\$3,500	\$66,721
5	5.00	1996	Battery Drive South	Stuart Circle	Battery Drive North	264	24	704		x			0	704	106	0	704	0	141	0	\$1,500	\$23,794
5	5.00	1996	Battery Drive South	Stuart Circle	Battery Drive North	1,056	24	2,816		x			0	2,816	426	0	2,816	0	563	0	\$5,000	\$95,346
5	5.00	1996	Bowman St. Ext	Bowman Street	Dead End	370	16	658		x			0	658	100	0	658	0	132	0	\$1,500	\$22,318
5	5.00	1996	Bowman Street	School Street	Bowman St. Ext	422	16	750		x			0	750	113	0	750	0	150	0	\$1,500	\$25,355
5	5.00	1996	Bowman Street	Bowman St. Ext	Dead End	158	16	281		x			0	281	43	0	281	0	56	0	\$500	\$9,556
5	5.00	1992	Campbell Avenue	Dead End	West Street	317	16	564		x			0	564	85	0	564	0	113	0	\$1,000	\$19,069
5	5.00	1997	Cannongate Drive	Lee Circle	Grant Circle	317	24	845		x			0	845	128	0	845	0	169	0	\$1,500	\$28,625
5	5.00	1997	Cannongate Drive	Grant Circle	Sherman Circle	317	24	845		x			0	845	128	0	845	0	169	0	\$1,500	\$28,625
5	5.00	1992	Cemetery Hill Road	Robinson Road	McVey	1,901	18	3,802		x			0	3,802	575	0	3,802	0	760	0	\$6,500	\$128,717
5	5.00		Center Avenue	Creek Street	Washington County Line	581	16	1,033		x			0	1,033	156	0	1,033	0	207	0	\$2,000	\$34,953
5	5.00	1996	Cherry Street	Meade Street	Millers Run Rooda	422	20	938		x			0	938	142	0	938	0	188	0	\$2,000	\$31,768
5	5.00	2001	Chestnut Street	Main Street	Water Street	264	16	469		x			0	469	71	0	469	0	94	0	\$1,000	\$15,884
5	5.00	1998	County Line Road	Washington County Line	Acacia Drive	1,056	19	2,229		x			0	2,229	337	0	2,229	0	446	0	\$4,000	\$75,454
5	5.00	1998	County Line Road	Acacia Drive	Washington County Line	1,003	19	2,117		x			0	2,117	320	0	2,117	0	423	0	\$4,000	\$71,657
5	5.00		Cuddy Lane (Private)	Millers Run Road	Morgan Hill Road	2,740	26	7,916		x			0	7,916	1,197	0	7,916	0	1,583	0	\$13,500	\$267,981

**Table A - Rating Table (All Roads)**  
**TOWNSHIP OF SOUTH FAYETTE**  
**ROAD STUDY**

PREPARED BY: LENNON, SMITH, SOULERET ENGINEERING, INC.  
 DATED: November 2015

RATING SYSTEM			
RATING	DESCRIPTION	RATING	DESCRIPTION
10	NEW CONSTRUCTION	5	MODERATE TO SEVERE RAVELING, TRANSVERSE CRACKING
9	RECENT OVERLAY, LIKE NEW	4	BLOCK CRACKING 25% TO 50%
8	RECENT OVERLAY, SOME REFLECTIVE CRACKING ONLY	3	BLOCK CRACKING OVER 50%, ALLIGATOR CRACKING LESS THAN 25% OF SURFACE
7	LITTLE OR SLIGHT CRACKING, SOME TRAFFIC WEAR	2	SEVERE DISTORTIONS, EXTENSIVE PATCHING, POTHOLES
6	SLIGHT RAVELING AND TRAFFIC WEAR, OCCASIONAL PATCHING	1	SEVERE DISTRESS, EXTENSIVE LOSS OF SURFACE INTEGRITY

STREET ITEMS			
ITEM #	DESCRIPTION	ITEM #	DESCRIPTION
1A	BITUMINOUS MILLING AND PROFILING (2" AVG. DEPTH) (S.Y.)	3A	1.5" DEPTH SUPERPAVE WEARING COURSE (S.Y.)
1B	BITUMINOUS MILLING AND PROFILING (4" AVG. DEPTH) (S.Y.)	3B	1/2" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)
2A	2.5" AVG. DEPTH SUPERPAVE BINDER LEVELING COURSE (TONS)	4	BASE REPAIR (INCLUDING EXCAVATION) (S.Y.)
2B	3/4" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)	5	BITUMINOUS SEAL COAT (DOUBLE APPLICATION) (SY)
		6	EXISTING STORM SEWER AND SYSTEM MAINTENANCE (LS)

STREET RATING	WEIGHTED STREET RATING	YEAR LAST RESURFACED	STREET	TERMINI		LENGTH (FT)	WIDTH (FT)	AREA (SY)	METHOD OF RESURFACE			COMMENTS	ITEM 1A \$3.00	ITEM 1B \$3.50	ITEM 2A \$85.00	ITEM 2B \$90.00	ITEM 3A \$8.50	ITEM 3B \$90.00	ITEM 4 \$45.00	ITEM 5 \$5.00	ITEM 6 5%	ROADWAY TOTAL
				FROM:	TO:				MILL / SCRATCH / WEARING	MILL / BINDER / WEARING	TAR AND CHIP											
5	5.00		Dutch Hill Road	Oakridge Road	Locust Lane	1,267	16	2,252		x			0	2,252	341	0	2,252	0	450	0	\$4,000	\$76,277
5	5.00	1991	East St.	Magnolia Street	McVey Street	211	16	375		x			0	375	57	0	375	0	75	0	\$1,000	\$12,720
5	5.00		Fairview Drive	Old Orchard Drive	Dead End	264	24	704		x			0	704	106	0	704	0	141	0	\$1,500	\$23,794
5	5.00		Fifth Avenue	Dead End	Hook Street	475	20	1,056		x			0	1,056	160	0	1,056	0	211	0	\$2,000	\$35,776
5	5.00	1996	First Avenue	Sygan Road	Hook Street	211	15	352		x			0	352	53	0	352	0	70	0	\$1,000	\$11,897
5	5.00	2001	Fortune Court (formally)	Toftrees Drive	Cul-de-Sac	528	26	1,525		x			0	1,525	231	0	1,525	0	305	0	\$3,000	\$51,660
5	5.00	1995	Fourth Avenue	Dead End	Hook Street	317	20	704		x			0	704	106	0	704	0	141	0	\$1,500	\$23,794
5	5.00	1995	Fourth Avenue	Hook Street	Dead End	264	20	587		x			0	587	89	0	587	0	117	0	\$1,000	\$19,892
5	5.00	1998	Goldenrod Court	Meeting House Rd.	Meeting House Rd.	317	24	845		x			0	845	128	0	845	0	169	0	\$1,500	\$28,625
5	5.00	1992	Harvest Court	Summit Ridge Drive	Turn Around	264	24	704		x			0	704	106	0	704	0	141	0	\$1,500	\$23,794
5	5.00		Hunting Ridge Road	Meeting House Road	Ridge Point Circle	581	24	1,549		x			0	1,549	234	0	1,549	0	310	0	\$3,000	\$52,419
5	5.00		Hunting Ridge Road	Ridge Point Circle	Boyce Road	211	24	563		x			0	563	85	0	563	0	113	0	\$1,000	\$19,048
5	5.00	2002	Kingsbrook Drive	Cul-de-sac	Kingswood Lane	1,214	26	3,507		x			0	3,507	530	0	3,507	0	701	0	\$6,000	\$118,697
5	5.00	1997	Lee Circle	Cannongate Drive	Turn Around	264	24	704		x			0	704	106	0	704	0	141	0	\$1,500	\$23,794
5	5.00	2001	Magnolia Avenue	Cemetery Hill Road	Cortland Street	1,162	16	2,066		x			0	2,066	312	0	2,066	0	413	0	\$3,500	\$69,906
5	5.00	1990	Magnolia Avenue	Orchard Drive	East Street	686	16	1,220		x			0	1,220	185	0	1,220	0	244	0	\$2,500	\$41,345
5	5.00	1990	Main Street	Main Street Ext	North Fayette Twp. Line	317	22	775		x			0	775	117	0	775	0	155	0	\$1,500	\$26,220
5	5.00	1996	Maple Court	Wood Creek Drive	Cul-de-Sac	317	26	916		x			0	916	139	0	916	0	183	0	\$2,000	\$31,051
5	5.00		Massaro Place	Hidden Valley Lane	Dead End	211	16	375		x			0	375	57	0	375	0	75	0	\$1,000	\$12,720
5	5.00		McClane St.	Millers Run Road	Dead End	528	16	939		x			0	939	142	0	939	0	188	0	\$2,000	\$31,789
5	5.00	1991	McVey Street	Orchard Drive	East Street	634	19	1,338		x			0	1,338	202	0	1,338	0	268	0	\$2,500	\$45,268
5	5.00	1996	Morgan Hill Road	Millers Run Road	Elm Street	1,162	18	2,324		x			0	2,324	352	0	2,324	0	465	0	\$4,000	\$78,724
5	5.00	1996	Morgan Hill Road	Elm Street	Morgan Hollow Road	1,109	19	2,341		x			0	2,341	354	0	2,341	0	468	0	\$4,000	\$79,251
5	5.00	1996	Morgan Hill Road	Morgan Hollow Road	West Bridge Drive	158	19	334		x			0	334	51	0	334	0	67	0	\$1,000	\$11,349
5	5.00	1993	Morning Wind Circle	Hunting Ridge Trail	Hunting Ridge Trail	686	24	1,829		x			0	1,829	277	0	1,829	0	366	0	\$3,500	\$61,954
5	5.00	1999	Old Pond Road	Hickory Grade Road	Abele Road	3,538	26	10,221		x			0	10,221	1,546	0	10,221	0	2,044	0	\$17,500	\$346,051
5	5.00	1993	Open Meadow Circle	Hunting Ridge Trail	Cul-de-Sac	370	25	1,028		x			0	1,028	155	0	1,028	0	206	0	\$2,000	\$34,763
5	5.00	1992	Orchard Drive	Sherman Street	Mitchell Drive	1,003	20	2,229		x			0	2,229	337	0	2,229	0	446	0	\$4,000	\$75,454
5	5.00		Parkside Drive	Lakeview Drive	Cul-de-Sac	400	24	1,067		x			0	1,067	161	0	1,067	0	213	0	\$2,000	\$36,092
5	5.00		Pheasant Rise Court	Hunting Ridge Road	Cul-de-Sac	370	24	987		x			0	987	149	0	987	0	197	0	\$2,000	\$33,392
5	5.00	2001	Pine Creek Drive	Hickory Grade Road	Cul-de-Sac	422	26	1,219		x			0	1,219	184	0	1,219	0	244	0	\$2,500	\$41,239
5	5.00		Pinewood Drive	Firwood Drive	Boxwood Drive	422	24	1,125		x			0	1,125	170	0	1,125	0	225	0	\$2,000	\$38,075

**Table A - Rating Table (All Roads)**  
**TOWNSHIP OF SOUTH FAYETTE**  
**ROAD STUDY**

PREPARED BY: LENNON, SMITH, SOULERET ENGINEERING, INC.  
 DATED: November 2015

RATING SYSTEM			
RATING	DESCRIPTION	RATING	DESCRIPTION
10	NEW CONSTRUCTION	5	MODERATE TO SEVERE RAVELING, TRANSVERSE CRACKING
9	RECENT OVERLAY, LIKE NEW	4	BLOCK CRACKING 25% TO 50%
8	RECENT OVERLAY, SOME REFLECTIVE CRACKING ONLY	3	BLOCK CRACKING OVER 50%, ALLIGATOR CRACKING LESS THAN 25% OF SURFACE
7	LITTLE OR SLIGHT CRACKING, SOME TRAFFIC WEAR	2	SEVERE DISTORTIONS, EXTENSIVE PATCHING, POTHOLES
6	SLIGHT RAVELING AND TRAFFIC WEAR, OCCASIONAL PATCHING	1	SEVERE DISTRESS, EXTENSIVE LOSS OF SURFACE INTEGRITY

STREET ITEMS			
ITEM #	DESCRIPTION	ITEM #	DESCRIPTION
1A	BITUMINOUS MILLING AND PROFILING (2" AVG. DEPTH) (S.Y.)	3A	1.5" DEPTH SUPERPAVE WEARING COURSE (S.Y.)
1B	BITUMINOUS MILLING AND PROFILING (4" AVG. DEPTH) (S.Y.)	3B	1/2" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)
2A	2.5" AVG. DEPTH SUPERPAVE BINDER LEVELING COURSE (TONS)	4	BASE REPAIR (INCLUDING EXCAVATION) (S.Y.)
2B	3/4" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)	5	BITUMINOUS SEAL COAT (DOUBLE APPLICATION) (SY)
		6	EXISTING STORM SEWER AND SYSTEM MAINTENANCE (LS)

STREET RATING	WEIGHTED STREET RATING	YEAR LAST RESURFACED	STREET	TERMINI		LENGTH (FT)	WIDTH (FT)	AREA (SY)	METHOD OF RESURFACE			COMMENTS	ITEM 1A \$3.00	ITEM 1B \$3.50	ITEM 2A \$85.00	ITEM 2B \$90.00	ITEM 3A \$8.50	ITEM 3B \$90.00	ITEM 4 \$45.00	ITEM 5 \$5.00	ITEM 6 5%	ROADWAY TOTAL
				FROM:	TO:				MILL / SCRATCH / WEARING	MILL / BINDER / WEARING	TAR AND CHIP											
5	5.00		Poplar Lane	Dutch Hill Road	Dead End	792	14	1,232		x			0	1,232	186	0	1,232	0	246	0	\$2,500	\$41,682
5	5.00	2001	Rahner-Wood Drive	Locust Lane	Dead End	370	20	822		x			0	822	124	0	822	0	164	0	\$1,500	\$27,802
5	5.00		Railroad Street	Park Road	Dead End	317	14	493		x			0	493	75	0	493	0	99	0	\$1,000	\$16,728
5	5.00	1996	Reed Street	Millers Run Road	Reed Plan Road	106	12	141		x			0	141	21	0	141	0	28	0	\$500	\$4,746
5	5.00	2003	Ruth Way	Petricca Drive	Gene Court	317	26	916		x			0	916	139	0	916	0	183	0	\$2,000	\$31,051
5	5.00	1998	Rutherglen Drive	Battle Ridge Road	Grail Hill Court	158	26	456		x			0	456	69	0	456	0	91	0	\$1,000	\$15,441
5	5.00	1998	Rutherglen Drive	Grail Hill Court	Old Fayette Trail	264	26	763		x			0	763	115	0	763	0	153	0	\$1,500	\$25,798
5	5.00	1998	Rutherglen Drive	Old Fayette Trail	Crab Orchard Court	370	26	1,069		x			0	1,069	162	0	1,069	0	214	0	\$2,000	\$36,219
5	5.00	1998	Rutherglen Drive	Crab Orchard Court	Turnberry Drive	317	26	916		x			0	916	139	0	916	0	183	0	\$2,000	\$31,051
5	5.00		Scotch Hill Road	East Street	Massaro Place	2,798	12	3,731		x			0	3,731	564	0	3,731	0	746	0	\$6,500	\$126,291
5	5.00		Stuart Circle	Battery Drive South	Cul-de-Sac	581	24	1,549		x			0	1,549	234	0	1,549	0	310	0	\$3,000	\$52,419
5	5.00	1993	Summit Ridge Drive	Harvest Court	Enfield Court	317	22	775		x			0	775	117	0	775	0	155	0	\$1,500	\$26,220
5	5.00	1993	Summit Ridge Drive	Horseshoe Court	Harvest Court	1,637	22	4,002		x			0	4,002	605	0	4,002	0	800	0	\$7,000	\$135,467
5	5.00	1993	Summit Ridge Drive	Horseshoe Court	Horseshoe Court	264	22	645		x			0	645	98	0	645	0	129	0	\$1,500	\$21,875
5	5.00	1993	Summit Ridge Drive	Horseshoe Court	Meeting House Road	158	22	386		x			0	386	58	0	386	0	77	0	\$1,000	\$13,036
5	5.00	1998	Tiporary Court	Grail Hill Court	Cul-de-Sac	370	25	1,028		x			0	1,028	155	0	1,028	0	206	0	\$2,000	\$34,763
5	5.00	1992	Valley Forest Road	Old Oakdale Road	Dead End	475	14	739		x			0	739	112	0	739	0	148	0	\$1,500	\$25,039
5	5.00		Verner Street	Presto-Sygan Road	Dead End	1,162	20	2,582		x			0	2,582	391	0	2,582	0	516	0	\$4,500	\$87,457
5	5.00	2005	Villani Drive	Abele Road	Cul-de-Sac	950	26	2,744		x			0	2,744	415	0	2,744	0	549	0	\$5,000	\$92,899
5	5.00		Wabash Alley	Penn Avenue	Cross Street	770	10	856		x			0	856	129	0	856	0	171	0	\$1,500	\$28,941
5	5.00		Wabash Alley	Oak	Penn Avenue	310	10	344		x			0	344	52	0	344	0	69	0	\$1,000	\$11,644
5	5.00	1996	Wallace Street	Dead End	Bowman Street	528	14	821		x			0	821	124	0	821	0	164	0	\$1,500	\$27,781
5	5.00	1996	Wallace Street	Bowman Street	Dead End	1,426	14	2,218		x			0	2,218	335	0	2,218	0	444	0	\$4,000	\$75,053
5	5.00		Wallace Street Ext.	Wallace Street	Dead End	739	14	1,150		x			0	1,150	174	0	1,150	0	230	0	\$2,000	\$38,940
5	5.00	1991	Water Street	Dead End	Chestnut Street	211	16	375		x			0	375	57	0	375	0	75	0	\$1,000	\$12,720
5	5.00	1991	Water Street	Chestnut Street	Dead End	106	16	188		x			0	188	28	0	188	0	38	0	\$500	\$6,328
5	5.00		West Street	Allegheny Avenue	Campbell Avenue	211	18	422		x			0	422	64	0	422	0	84	0	\$1,000	\$14,302
5	5.00		Westbridge Drive	Morgan Hill Road	Turn Around	1,320	25	3,667		x			0	3,667	555	0	3,667	0	733	0	\$6,500	\$124,182
5	5.00	1992	Willowick Court	Hunting Ridge Trail	Turn Around	422	28	1,313		x			0	1,313	199	0	1,313	0	263	0	\$2,500	\$44,488
5	5.00	1999	Wood Creek Drive	Hickory Grade Road	Birch Court	898	26	2,594		x			0	2,594	392	0	2,594	0	519	0	\$4,500	\$87,794
5	5.00	1999	Wood Creek Drive	Birch Court	Maple Court	370	26	1,069		x			0	1,069	162	0	1,069	0	214	0	\$2,000	\$36,219
5	5.00	1999	Wood Creek Drive	Maple Court	Cul-de-Sac	581	26	1,678		x			0	1,678	254	0	1,678	0	336	0	\$3,000	\$56,828



**Table A - Rating Table (All Roads)**  
**TOWNSHIP OF SOUTH FAYETTE**  
**ROAD STUDY**

PREPARED BY: LENNON, SMITH, SOULERET ENGINEERING, INC.  
 DATED: November 2015

RATING SYSTEM			
RATING	DESCRIPTION	RATING	DESCRIPTION
10	NEW CONSTRUCTION	5	MODERATE TO SEVERE RAVELING, TRANSVERSE CRACKING
9	RECENT OVERLAY, LIKE NEW	4	BLOCK CRACKING 25% TO 50%
8	RECENT OVERLAY, SOME REFLECTIVE CRACKING ONLY	3	BLOCK CRACKING OVER 50%, ALLIGATOR CRACKING LESS THAN 25% OF SURFACE
7	LITTLE OR SLIGHT CRACKING, SOME TRAFFIC WEAR	2	SEVERE DISTORTIONS, EXTENSIVE PATCHING, POTHOLES
6	SLIGHT RAVELING AND TRAFFIC WEAR, OCCASIONAL PATCHING	1	SEVERE DISTRESS, EXTENSIVE LOSS OF SURFACE INTEGRITY

STREET ITEMS			
ITEM #	DESCRIPTION	ITEM #	DESCRIPTION
1A	BITUMINOUS MILLING AND PROFILING (2" AVG. DEPTH) (S.Y.)	3A	1.5" DEPTH SUPERPAVE WEARING COURSE (S.Y.)
1B	BITUMINOUS MILLING AND PROFILING (4" AVG. DEPTH) (S.Y.)	3B	1/2" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)
2A	2.5" AVG. DEPTH SUPERPAVE BINDER LEVELING COURSE (TONS)	4	BASE REPAIR (INCLUDING EXCAVATION) (S.Y.)
2B	3/4" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)	5	BITUMINOUS SEAL COAT (DOUBLE APPLICATION) (SY)
		6	EXISTING STORM SEWER AND SYSTEM MAINTENANCE (LS)

STREET RATING	WEIGHTED STREET RATING	YEAR LAST RESURFACED	STREET	TERMINI		LENGTH (FT)	WIDTH (FT)	AREA (SY)	METHOD OF RESURFACE			COMMENTS	ITEM 1A \$3.00	ITEM 1B \$3.50	ITEM 2A \$85.00	ITEM 2B \$90.00	ITEM 3A \$8.50	ITEM 3B \$90.00	ITEM 4 \$45.00	ITEM 5 \$5.00	ITEM 6 5%	ROADWAY TOTAL
				FROM:	TO:				MILL / SCRATCH / WEARING	MILL / BINDER / WEARING	TAR AND CHIP											
6	5.46	2005	Old Oakdale Road	Millers Run Road	Valley Forest Road	528	26	1,525		x			0	1,525	231	0	1,525	0	229	0	\$2,500	\$48,229
6	5.46	2005	Old Oakdale Road	Sunridge Drive	Will Way	2,904	26	8,389		x			0	8,389	1,269	0	8,389	0	1,258	0	\$13,500	\$265,159
6	5.46	2005	Old Oakdale Road	Will Way	Cannongate Drive	2,059	26	5,948		x			0	5,948	900	0	5,948	0	892	0	\$9,500	\$188,025
6	5.46	2005	Old Oakdale Road	Cannongate Drive	Battleridge Road	581	26	1,678		x			0	1,678	254	0	1,678	0	252	0	\$3,000	\$53,053
6	5.63		Dutch Hill Road	Poplar Lane	Pinch Road	1,901	16	3,380		x			0	3,380	511	0	3,380	0	507	0	\$5,500	\$106,810
6	5.63	2000	Hickory Grade Road	Alpine Road	Woodcreek Drive	898	22	2,145		x			0	2,145	324	0	2,145	0	322	0	\$3,500	\$67,759
6	5.67		Dutch Hill Road	Locust Lane	Poplar Lane	1,109	16	1,972		x			0	1,972	298	0	1,972	0	296	0	\$3,500	\$62,305
6	5.67	2001	Sygan Road	Millers Run Road	Morgan Hollow Road	5,861	13	8,466		x			0	8,466	1,280	0	8,466	0	1,270	0	\$13,500	\$267,538
6	5.71	2002	Dutch Hill Road	Kramers Lane	Gillmore Hill Road	1,690	16	3,004		x			0	3,004	454	0	3,004	0	451	0	\$5,000	\$94,915
6	5.71	2000	Hickory Grade Road	Washington County Line	Parks Road	1,954	22	4,668		x			0	4,668	706	0	4,668	0	700	0	\$7,500	\$147,535
6	5.71	2000	Hickory Grade Road	Bowman Road	Alpine Road	6,864	22	16,397		x			0	16,397	2,480	0	16,397	0	2,460	0	\$26,000	\$518,244
6	5.71	2000	Hickory Grade Road	Woodcreek Drive	Highland Creek Road	1,584	22	3,784		x			0	3,784	572	0	3,784	0	568	0	\$6,000	\$119,570
6	5.71	2000	Hickory Grade Road	Highland Creek Road	Pine Creek Drive	158	22	377		x			0	377	57	0	377	0	57	0	\$1,000	\$11,914
6	5.71	2000	Hickory Grade Road	Pine Creek Drive	Belle Terre Court	950	22	2,269		x			0	2,269	343	0	2,269	0	340	0	\$4,000	\$71,699
6	5.71	2000	Hickory Grade Road	Belle Terre Court	Pine Valley Drive	1,848	22	4,415		x			0	4,415	668	0	4,415	0	662	0	\$7,000	\$139,561
6	5.71	2001	Morgan Hollow Road	Morgan Hill Road	Sygan Hill Road	6,178	18	12,356		x			0	12,356	1,869	0	12,356	0	1,853	0	\$20,000	\$390,540
6	5.75	2002	Dutch Hill Road	Gillmore Hill Road	Battle Ridge Road	739	16	1,314		x			0	1,314	199	0	1,314	0	197	0	\$2,500	\$41,553
6	5.76		Abele Road	Villani Drive	Old Pond Road	686	30	2,287		x			0	2,287	346	0	2,287	0	343	0	\$4,000	\$72,291
6	5.80	1996	Abele Road	Cul-de-sac	Emerson Lane	475	30	1,583		X			0	1,583	239	0	1,583	0	237	0	\$2,500	\$49,996
6	5.84		Abele Road	Emerson Lane	Villani Drive	528	30	1,760		X			0	1,760	266	0	1,760	0	264	0	\$3,000	\$55,610
6	5.84		Pond Court (South)	Cul-de-Sac	Portman Lane	211	24	563		x			0	563	85	0	563	0	84	0	\$1,000	\$17,781
6	5.88	2002	Oyster Bay Court	Cul-de-Sac	Caledonia Court	422	26	1,219		x			0	1,219	184	0	1,219	0	183	0	\$2,000	\$38,496
6	5.88		Pinewood Drive	Old Oak Drive	Firwood Drive	686	24	1,829		x			0	1,829	277	0	1,829	0	274	0	\$3,000	\$57,839
6	5.92	1993	Melrose Court	Washington Pike	Cul-de-Sac	898	24	2,395		x			0	2,395	362	0	2,395	0	359	0	\$4,000	\$75,676
6	6.00	1992	Allegheny Avenue	Dead End	Oak Street	475	20	1,056		x			0	1,056	160	0	1,056	0	158	0	\$2,000	\$33,400
6	6.00	1990	Anderson Avenue	Clyde Street	Hudson Avenue	370	16	658		x			0	658	100	0	658	0	99	0	\$1,500	\$20,838
6	6.00	1996	Appleglenn Court	Northridge Dr.	Cul-de-Sac	528	24	1,408		x			0	1,408	213	0	1,408	0	211	0	\$2,500	\$44,505
6	6.00	2002	Belle Terre Court	Hickory Grade Road	Caledonia Court	317	26	916		x			0	916	139	0	916	0	137	0	\$1,500	\$28,990
6	6.00	2002	Belle Terre Court	Caledonia Court	Cul-de-Sac	528	26	1,525		x			0	1,525	231	0	1,525	0	229	0	\$2,500	\$48,229
6	6.00	1996	Birch Court	Wood Creek Drive	Cul-de-Sac	317	26	916		x			0	916	139	0	916	0	137	0	\$1,500	\$28,990
6	6.00		Blythe Road	Dead End	Sygan Road	581	16	1,033		x			0	1,033	156	0	1,033	0	155	0	\$2,000	\$32,629
6	6.00		Boxwood Drive	Lakemont Drive	Pinewood Drive	845	26	2,441		x			0	2,441	369	0	2,441	0	366	0	\$4,000	\$77,134

**Table A - Rating Table (All Roads)**  
**TOWNSHIP OF SOUTH FAYETTE**  
**ROAD STUDY**

PREPARED BY: LENNON, SMITH, SOULERET ENGINEERING, INC.  
 DATED: November 2015

RATING SYSTEM			
RATING	DESCRIPTION	RATING	DESCRIPTION
10	NEW CONSTRUCTION	5	MODERATE TO SEVERE RAVELING, TRANSVERSE CRACKING
9	RECENT OVERLAY, LIKE NEW	4	BLOCK CRACKING 25% TO 50%
8	RECENT OVERLAY, SOME REFLECTIVE CRACKING ONLY	3	BLOCK CRACKING OVER 50%, ALLIGATOR CRACKING LESS THAN 25% OF SURFACE
7	LITTLE OR SLIGHT CRACKING, SOME TRAFFIC WEAR	2	SEVERE DISTORTIONS, EXTENSIVE PATCHING, POTHOLES
6	SLIGHT RAVELING AND TRAFFIC WEAR, OCCASIONAL PATCHING	1	SEVERE DISTRESS, EXTENSIVE LOSS OF SURFACE INTEGRITY

STREET ITEMS			
ITEM #	DESCRIPTION	ITEM #	DESCRIPTION
1A	BITUMINOUS MILLING AND PROFILING (2" AVG. DEPTH) (S.Y.)	3A	1.5" DEPTH SUPERPAVE WEARING COURSE (S.Y.)
1B	BITUMINOUS MILLING AND PROFILING (4" AVG. DEPTH) (S.Y.)	3B	1/2" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)
2A	2.5" AVG. DEPTH SUPERPAVE BINDER LEVELING COURSE (TONS)	4	BASE REPAIR (INCLUDING EXCAVATION) (S.Y.)
2B	3/4" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)	5	BITUMINOUS SEAL COAT (DOUBLE APPLICATION) (SY)
		6	EXISTING STORM SEWER AND SYSTEM MAINTENANCE (LS)

STREET RATING	WEIGHTED STREET RATING	YEAR LAST RESURFACED	STREET	TERMINI		LENGTH (FT)	WIDTH (FT)	AREA (SY)	METHOD OF RESURFACE			COMMENTS	ITEM 1A \$3.00	ITEM 1B \$3.50	ITEM 2A \$85.00	ITEM 2B \$90.00	ITEM 3A \$8.50	ITEM 3B \$90.00	ITEM 4 \$45.00	ITEM 5 \$5.00	ITEM 6 5%	ROADWAY TOTAL
				FROM:	TO:				MILL / SCRATCH / WEARING	MILL / BINDER / WEARING	TAR AND CHIP											
6	6.00	2002	Calidonia Sreet	Belle Terre Court	Oyster Bay Court	475	26	1,372		x			0	1,372	208	0	1,372	0	206	0	\$2,500	\$43,405
6	6.00	2002	Calidonia Sreet	Oyster Bay Court	Cul-de-sac	370	26	1,069		x			0	1,069	162	0	1,069	0	160	0	\$2,000	\$33,814
6	6.00	1992	Campbell Avenue	West Street	Oak Street	158	16	281		x			0	281	43	0	281	0	42	0	\$500	\$8,924
6	6.00	1992	Campbell Avenue	Penn Avenue	Cross Street	792	16	1,408		x			0	1,408	213	0	1,408	0	211	0	\$2,500	\$44,505
6	6.00	1997	Cannongate Drive	Old Oakdale Road	Lee Circle	317	24	845		x			0	845	128	0	845	0	127	0	\$1,500	\$26,724
6	6.00	1997	Cannongate Drive	Sherman Circle	Jackson Circle	370	24	987		x			0	987	149	0	987	0	148	0	\$2,000	\$31,171
6	6.00	1997	Cannongate Drive	Jackson Circle	Battery Drive North	317	24	845		x			0	845	128	0	845	0	127	0	\$1,500	\$26,724
6	6.00		Central Avenue	Millers Run Road	Dead End	634	20	1,409		x			0	1,409	213	0	1,409	0	211	0	\$2,500	\$44,524
6	6.00		Charles Sreet	Cecil Township Line	Dead End	1,267	20	2,816		x			0	2,816	426	0	2,816	0	422	0	\$4,500	\$89,010
6	6.00	1996	Cherry Street	Grant Street	Meade Street	264	20	587		x			0	587	89	0	587	0	88	0	\$1,000	\$18,571
6	6.00	1999	Chrismar Court	Boyce Road	Cul-de-Sac	370	26	1,069		x			0	1,069	162	0	1,069	0	160	0	\$2,000	\$33,814
6	6.00	1992	Clyde Street	Hudson Avenue	Anderson Avenue	211	16	375		x			0	375	57	0	375	0	56	0	\$1,000	\$11,876
6	6.00	1991	Cortland Street	McVey Street	Magnolia Street	230	26	664		x			0	664	100	0	664	0	100	0	\$1,500	\$20,950
6	6.00		Creek Street	Woodlawn Avenue	Center Avenue	211	18	422		x			0	422	64	0	422	0	63	0	\$1,000	\$13,353
6	6.00	2005	Crestwood Drive	Sterling Drive	Cul-de-Sac	739	26	2,135		x			0	2,135	323	0	2,135	0	320	0	\$3,500	\$67,486
6	6.00	1992	Cross Street	S.R. Rte. 0050	Dead End	422	26	1,219		x			0	1,219	184	0	1,219	0	183	0	\$2,000	\$38,496
6	6.00	1990	Elm Street	Morgan Street	Brown Street	106	20	236		x			0	236	36	0	236	0	35	0	\$500	\$7,485
6	6.00	1990	Elm Street	Brown Street	Morgan Hill Road	211	20	469		x			0	469	71	0	469	0	70	0	\$1,000	\$14,829
6	6.00	2005	Emerson Lane	Abele Road	Cul-de-Sac	317	26	916		x			0	916	139	0	916	0	137	0	\$1,500	\$28,990
6	6.00		Fairview Drive	Washington Pike	Old Orchard Drive	528	24	1,408		x			0	1,408	213	0	1,408	0	211	0	\$2,500	\$44,505
6	6.00	1996	First Avenue	Dead End	Sygan Road	686	15	1,143		x			0	1,143	173	0	1,143	0	171	0	\$2,000	\$36,136
6	6.00	1996	First Avenue	Hook Street	Dead End	422	15	703		x			0	703	106	0	703	0	105	0	\$1,500	\$22,191
6	6.00	1992	Finwood Drive	Old Oak Drive	Greenwood Drive	475	24	1,267		x			0	1,267	192	0	1,267	0	190	0	\$2,500	\$40,076
6	6.00	2006	Forbes Street	Hickory Grade Road	Dead End	211	15	352		x			0	352	53	0	352	0	53	0	\$1,000	\$11,105
6	6.00	2006	Forest Edge Drive	Forest View Drive	Forest Glen Court	686	26	1,982		x			0	1,982	300	0	1,982	0	297	0	\$3,500	\$62,663
6	6.00	2006	Forest Edge Drive	Forest Glen Court	Cul-de-Sac	634	26	1,832		x			0	1,832	277	0	1,832	0	275	0	\$3,000	\$57,895
6	6.00	2006	Forest Glenn Court	Forest Edge Drive	Cul-de-Sac	106	26	306		x			0	306	46	0	306	0	46	0	\$500	\$9,648
6	6.00		Forest Ridge Drive	Old Oakdale Road	Forest View Drive	845	26	2,441		x			0	2,441	369	0	2,441	0	366	0	\$4,000	\$77,134
6	6.00	2006	Forest Ridge Drive	Forest View Drive	Cul-de-Sac	686	26	1,982		x			0	1,982	300	0	1,982	0	297	0	\$3,500	\$62,663
6	6.00		Forest View Drive	Forest Ridge Drive	Forest Edge Drive	370	26	1,069		x			0	1,069	162	0	1,069	0	160	0	\$2,000	\$33,814
6	6.00		Forest View Drive	Forest Edge Drive	Terrace View Drive	739	26	2,135		x			0	2,135	323	0	2,135	0	320	0	\$3,500	\$67,486
6	6.00	1993	Freedom Drive North	Cul-de-sac	Washington Pike	370	15	617		x			0	617	93	0	617	0	93	0	\$1,000	\$19,474

**Table A - Rating Table (All Roads)**  
**TOWNSHIP OF SOUTH FAYETTE**  
**ROAD STUDY**

PREPARED BY: LENNON, SMITH, SOULERET ENGINEERING, INC.  
 DATED: November 2015

RATING SYSTEM			
RATING	DESCRIPTION	RATING	DESCRIPTION
10	NEW CONSTRUCTION	5	MODERATE TO SEVERE RAVELING, TRANSVERSE CRACKING
9	RECENT OVERLAY, LIKE NEW	4	BLOCK CRACKING 25% TO 50%
8	RECENT OVERLAY, SOME REFLECTIVE CRACKING ONLY	3	BLOCK CRACKING OVER 50%, ALLIGATOR CRACKING LESS THAN 25% OF SURFACE
7	LITTLE OR SLIGHT CRACKING, SOME TRAFFIC WEAR	2	SEVERE DISTORTIONS, EXTENSIVE PATCHING, POTHOLES
6	SLIGHT RAVELING AND TRAFFIC WEAR, OCCASIONAL PATCHING	1	SEVERE DISTRESS, EXTENSIVE LOSS OF SURFACE INTEGRITY

STREET ITEMS			
ITEM #	DESCRIPTION	ITEM #	DESCRIPTION
1A	BITUMINOUS MILLING AND PROFILING (2" AVG. DEPTH) (S.Y.)	3A	1.5" DEPTH SUPERPAVE WEARING COURSE (S.Y.)
1B	BITUMINOUS MILLING AND PROFILING (4" AVG. DEPTH) (S.Y.)	3B	1/2" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)
2A	2.5" AVG. DEPTH SUPERPAVE BINDER LEVELING COURSE (TONS)	4	BASE REPAIR (INCLUDING EXCAVATION) (S.Y.)
2B	3/4" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)	5	BITUMINOUS SEAL COAT (DOUBLE APPLICATION) (SY)
		6	EXISTING STORM SEWER AND SYSTEM MAINTENANCE (LS)

STREET RATING	WEIGHTED STREET RATING	YEAR LAST RESURFACED	STREET	TERMINI		LENGTH (FT)	WIDTH (FT)	AREA (SY)	METHOD OF RESURFACE			COMMENTS	ITEM 1A \$3.00	ITEM 1B \$3.50	ITEM 2A \$85.00	ITEM 2B \$90.00	ITEM 3A \$8.50	ITEM 3B \$90.00	ITEM 4 \$45.00	ITEM 5 \$5.00	ITEM 6 5%	ROADWAY TOTAL
				FROM:	TO:				MILL / SCRATCH / WEARING	MILL / BINDER / WEARING	TAR AND CHIP											
6	6.00		Gander Circle	Lakeview Drive	Cul-de-Sac	317	26	916		x			0	916	139	0	916	0	137	0	\$1,500	\$28,990
6	6.00	2003	Gene Drive	Ruth Way	Cul-de-Sac	634	24	1,691		x			0	1,691	256	0	1,691	0	254	0	\$3,000	\$53,466
6	6.00	1997	Grant Circle	Cannongate Drive	Turn Around	264	24	704		x			0	704	106	0	704	0	106	0	\$1,500	\$22,210
6	6.00	1997	Grant Street	Cherry Street	Dead End	370	24	987		x			0	987	149	0	987	0	148	0	\$2,000	\$31,171
6	6.00		Hook Street	First Avenue	Second Ave	158	22	386		x			0	386	58	0	386	0	58	0	\$1,000	\$12,168
6	6.00		Hook Street	Second Avenue	Third Avenue	317	22	775		x			0	775	117	0	775	0	116	0	\$1,500	\$24,476
6	6.00		Hook Street	Third Avenue	Fourth Avenue	317	22	775		x			0	775	117	0	775	0	116	0	\$1,500	\$24,476
6	6.00		Hook Street	Fourth Avenue	Fifth Avenue	317	22	775		x			0	775	117	0	775	0	116	0	\$1,500	\$24,476
6	6.00		Hook Street	Fifth Avenue	Sixth Avenue	264	22	645		x			0	645	98	0	645	0	97	0	\$1,500	\$20,424
6	6.00	1992	Hudson Avenue	Martha Avenue	Clyde Street	264	16	469		x			0	469	71	0	469	0	70	0	\$1,000	\$14,829
6	6.00	1992	Hudson Avenue	Clyde Street	Anderson Avenue	581	16	1,033		x			0	1,033	156	0	1,033	0	155	0	\$2,000	\$32,629
6	6.00	1992	Hunting Ridge Trail	Boyce Road	Big Meadow Road	475	24	1,267		x			0	1,267	192	0	1,267	0	190	0	\$2,500	\$40,076
6	6.00	1992	Hunting Ridge Trail	Big Meadow Road	Morning Wind Circle	264	24	704		x			0	704	106	0	704	0	106	0	\$1,500	\$22,210
6	6.00	1992	Hunting Ridge Trail	Morning Wind Circle	Morning Wind Circle	211	24	563		x			0	563	85	0	563	0	84	0	\$1,000	\$17,781
6	6.00	1992	Hunting Ridge Trail	Morning Wind Circle	Open Meadow Circle	1,003	24	2,675		x			0	2,675	405	0	2,675	0	401	0	\$4,500	\$84,581
6	6.00	1992	Hunting Ridge Trail	Open Meadow Circle	Fox Chase Court	158	24	421		x			0	421	64	0	421	0	63	0	\$1,000	\$13,334
6	6.00	1992	Hunting Ridge Trail	Fox Chase Court	Fox Chase Court	211	24	563		x			0	563	85	0	563	0	84	0	\$1,000	\$17,781
6	6.00	1992	Hunting Ridge Trail	Fox Chase Court	Big Meadow Road	2,006	24	5,349		x			0	5,349	809	0	5,349	0	802	0	\$8,500	\$169,059
6	6.00	1992	Hunting Ridge Trail	Big Meadow Road	Willowwick Court	1,901	24	5,069		x			0	5,069	767	0	5,069	0	760	0	\$8,500	\$160,239
6	6.00	1992	Hunting Ridge Trail	Willowwick Court	Ravenwood Drive	317	24	845		x			0	845	128	0	845	0	127	0	\$1,500	\$26,724
6	6.00	1992	Hunting Ridge Trail	Ravenwood Drive	Boyce Road	158	24	421		x			0	421	64	0	421	0	63	0	\$1,000	\$13,334
6	6.00	1997	Jackson Circle	Cannongate Drive	Turn Around	264	25	733		x			0	733	111	0	733	0	110	0	\$1,500	\$23,179
6	6.00	1989	Jeana Lane	Lakemont Drive	Cul-de-Sac	475	24	1,267		x			0	1,267	192	0	1,267	0	190	0	\$2,500	\$40,076
6	6.00	2002	Kingston Drive	Cul-de-sac	Princeton Drive	422	26	1,219		x			0	1,219	184	0	1,219	0	183	0	\$2,000	\$38,496
6	6.00	2002	Kingston Drive	Princeton Drive	Kingswood Lane	528	26	1,525		x			0	1,525	231	0	1,525	0	229	0	\$2,500	\$48,229
6	6.00	2002	Kingston Drive	Kingswood Lane	Cul-de-sac	370	26	1,069		x			0	1,069	162	0	1,069	0	160	0	\$2,000	\$33,814
6	6.00	2001	Kingswood Lane	Oak Ridge Road	Kingsbrook Drive	1,056	26	3,051		x			0	3,051	461	0	3,051	0	458	0	\$5,000	\$96,391
6	6.00	1997	Lee Street	Millers Run Road	Dead End	422	16	750		x			0	750	113	0	750	0	113	0	\$1,500	\$23,668
6	6.00		Mallard Drive	Lakemont Drive	Cul-de-Sac	634	24	1,691		x			0	1,691	256	0	1,691	0	254	0	\$3,000	\$53,466
6	6.00		Marley Way	Rahner-Wood Lane	Cul-de-Sac	600	26	1,733		x			0	1,733	262	0	1,733	0	260	0	\$3,000	\$54,764
6	6.00	1992	Martha Street	Anderson Avenue	Hudson Avenue	264	16	469		x			0	469	71	0	469	0	70	0	\$1,000	\$14,829
6	6.00	1992	Martha Street	Hudson Avenue	Dead End	106	16	188		x			0	188	28	0	188	0	28	0	\$500	\$5,905

**Table A - Rating Table (All Roads)**  
**TOWNSHIP OF SOUTH FAYETTE**  
**ROAD STUDY**

PREPARED BY: LENNON, SMITH, SOULERET ENGINEERING, INC.  
 DATED: November 2015

RATING SYSTEM			
RATING	DESCRIPTION	RATING	DESCRIPTION
10	NEW CONSTRUCTION	5	MODERATE TO SEVERE RAVELING, TRANSVERSE CRACKING
9	RECENT OVERLAY, LIKE NEW	4	BLOCK CRACKING 25% TO 50%
8	RECENT OVERLAY, SOME REFLECTIVE CRACKING ONLY	3	BLOCK CRACKING OVER 50%, ALLIGATOR CRACKING LESS THAN 25% OF SURFACE
7	LITTLE OR SLIGHT CRACKING, SOME TRAFFIC WEAR	2	SEVERE DISTORTIONS, EXTENSIVE PATCHING, POTHOLES
6	SLIGHT RAVELING AND TRAFFIC WEAR, OCCASIONAL PATCHING	1	SEVERE DISTRESS, EXTENSIVE LOSS OF SURFACE INTEGRITY

STREET ITEMS			
ITEM #	DESCRIPTION	ITEM #	DESCRIPTION
1A	BITUMINOUS MILLING AND PROFILING (2" AVG. DEPTH) (S.Y.)	3A	1.5" DEPTH SUPERPAVE WEARING COURSE (S.Y.)
1B	BITUMINOUS MILLING AND PROFILING (4" AVG. DEPTH) (S.Y.)	3B	1/2" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)
2A	2.5" AVG. DEPTH SUPERPAVE BINDER LEVELING COURSE (TONS)	4	BASE REPAIR (INCLUDING EXCAVATION) (S.Y.)
2B	3/4" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)	5	BITUMINOUS SEAL COAT (DOUBLE APPLICATION) (SY)
		6	EXISTING STORM SEWER AND SYSTEM MAINTENANCE (LS)

STREET RATING	WEIGHTED STREET RATING	YEAR LAST RESURFACED	STREET	TERMINI		LENGTH (FT)	WIDTH (FT)	AREA (SY)	METHOD OF RESURFACE			COMMENTS	ITEM 1A \$3.00	ITEM 1B \$3.50	ITEM 2A \$85.00	ITEM 2B \$90.00	ITEM 3A \$8.50	ITEM 3B \$90.00	ITEM 4 \$45.00	ITEM 5 \$5.00	ITEM 6 5%	ROADWAY TOTAL
				FROM:	TO:				MILL / SCRATCH / WEARING	MILL / BINDER / WEARING	TAR AND CHIP											
6	6.00	1996	Meade Street	Cherry Street	Dead End	211	16	375		x			0	375	57	0	375	0	56	0	\$1,000	\$11,876
6	6.00	1992	Mitchell Street	Orchard Drive	Wabash Avenue	317	20	704		x			0	704	106	0	704	0	106	0	\$1,500	\$22,210
6	6.00	1998	Mohawk Road	S. H. R. 978	S. H. R. 50	5,650	20	12,556		x			0	12,556	1,899	0	12,556	0	1,883	0	\$20,000	\$396,840
6	6.00	1996	Morgan Hill Road	West Bridge Drive	Millers Run Road	686	19	1,448		x			0	1,448	219	0	1,448	0	217	0	\$2,500	\$45,765
6	6.00	1997	Morgan Street	Morgan Hill Road	Oak Street	422	18	821		x			0	821	124	0	821	0	123	0	\$1,500	\$25,934
6	6.00	1997	Morgan Street	Oak Street	Elm Street	317	18	616		x			0	616	93	0	616	0	92	0	\$1,000	\$19,455
6	6.00	1997	Morgan Street	Park Entrance	Elm Street	317	18	616		x			0	616	93	0	616	0	92	0	\$1,000	\$19,455
6	6.00	1992	Myrtle Street	Seminary Avenue	Hudson Avenue	792	16	1,408		x			0	1,408	213	0	1,408	0	211	0	\$2,500	\$44,505
6	6.00		Northridge Drive	Oak Ridge Road	South Point Court	158	24	421		x			0	421	64	0	421	0	63	0	\$1,000	\$13,334
6	6.00		Northridge Drive	South Point Court	Appleglen Court	264	24	704		x			0	704	106	0	704	0	106	0	\$1,500	\$22,210
6	6.00		Northridge Drive	Appleglen Court	Pointview Drive	264	24	704		x			0	704	106	0	704	0	106	0	\$1,500	\$22,210
6	6.00		Northridge Drive	Pointview Drive	Cul-de-Sac	792	24	2,112		x			0	2,112	319	0	2,112	0	317	0	\$3,500	\$66,715
6	6.00		Oak Street	Morgan Street	Dead End	528	12	704		x			0	704	106	0	704	0	106	0	\$1,500	\$22,210
6	6.00		Oak Street	Campbell Ave.	Allegheny Avenue	211	12	281		x			0	281	43	0	281	0	42	0	\$500	\$8,924
6	6.00		Oak Street	Allegheny Avenue	Campbell Avenue	211	14	328		x			0	328	50	0	328	0	49	0	\$1,000	\$10,400
6	6.00	2002	Oak Wood Circle	Ruth Way	Cul-de-Sac	739	26	2,135		x			0	2,135	323	0	2,135	0	320	0	\$3,500	\$67,486
6	6.00		Old Orchard Drive	Fairview	Red Rome Circle West	370	24	987		x			0	987	149	0	987	0	148	0	\$2,000	\$31,171
6	6.00		Old Orchard Drive	Red Rome Circle West	Red Rome Circle East	370	24	987		x			0	987	149	0	987	0	148	0	\$2,000	\$31,171
6	6.00		Old Orchard Drive	Red Rome Circle East	Winesap Court	317	24	845		x			0	845	128	0	845	0	127	0	\$1,500	\$26,724
6	6.00		Old Orchard Drive	Winesap Court	Russets Circle	475	24	1,267		x			0	1,267	192	0	1,267	0	190	0	\$2,500	\$40,076
6	6.00	1992	Orchard Drive	Wabash Avenue	Sherman Street	581	20	1,291		x			0	1,291	195	0	1,291	0	194	0	\$2,500	\$40,781
6	6.00	2002	Oyster Bay Court	Calendonia Court	Cul-de-Sac	950	26	2,744		x			0	2,744	415	0	2,744	0	412	0	\$4,500	\$86,725
6	6.00	1996	Parks Road	Railroad Street	Middle Street	475	14	739		x			0	739	112	0	739	0	111	0	\$1,500	\$23,376
6	6.00	1996	Parks Road	Middle Street	S.R. 0050	634	14	986		x			0	986	149	0	986	0	148	0	\$2,000	\$31,153
6	6.00	2003	Petricca Drive	Cul-de-Sac	Ruth Way	264	24	704		x			0	704	106	0	704	0	106	0	\$1,500	\$22,210
6	6.00	2003	Petricca Drive	Ruth Way	Oakridge Drive	422	24	1,125		x			0	1,125	170	0	1,125	0	169	0	\$2,000	\$35,544
6	6.00	2002	Pin Oak Drive	Oak Ridge Road	Cul-de-Sac	686	26	1,982		x			0	1,982	300	0	1,982	0	297	0	\$3,500	\$62,663
6	6.00		Pinewood Drive	Boxwood Drive	Lakemont Drive	317	24	845		x			0	845	128	0	845	0	127	0	\$1,500	\$26,724
6	6.00		Pinewood Drive	Lakemont Drive	Washington Pike	634	24	1,691		x			0	1,691	256	0	1,691	0	254	0	\$3,000	\$53,466
6	6.00		Pointview Drive	Northridge Drive	Cul-de-Sac	845	24	2,253		x			0	2,253	341	0	2,253	0	338	0	\$4,000	\$71,229
6	6.00		Pond Court (North)	Portman Lane	Cul-de-Sac	158	24	421		x			0	421	64	0	421	0	63	0	\$1,000	\$13,334
6	6.00	2002	Princeton Drive	Kingston Drive	Cul-de-Sac	370	26	1,069		x			0	1,069	162	0	1,069	0	160	0	\$2,000	\$33,814

**Table A - Rating Table (All Roads)**  
**TOWNSHIP OF SOUTH FAYETTE**  
**ROAD STUDY**

PREPARED BY: LENNON, SMITH, SOULERET ENGINEERING, INC.  
 DATED: November 2015

RATING SYSTEM			
RATING	DESCRIPTION	RATING	DESCRIPTION
10	NEW CONSTRUCTION	5	MODERATE TO SEVERE RAVELING, TRANSVERSE CRACKING
9	RECENT OVERLAY, LIKE NEW	4	BLOCK CRACKING 25% TO 50%
8	RECENT OVERLAY, SOME REFLECTIVE CRACKING ONLY	3	BLOCK CRACKING OVER 50%, ALLIGATOR CRACKING LESS THAN 25% OF SURFACE
7	LITTLE OR SLIGHT CRACKING, SOME TRAFFIC WEAR	2	SEVERE DISTORTIONS, EXTENSIVE PATCHING, POTHOLES
6	SLIGHT RAVELING AND TRAFFIC WEAR, OCCASIONAL PATCHING	1	SEVERE DISTRESS, EXTENSIVE LOSS OF SURFACE INTEGRITY

STREET ITEMS			
ITEM #	DESCRIPTION	ITEM #	DESCRIPTION
1A	BITUMINOUS MILLING AND PROFILING (2" AVG. DEPTH) (S.Y.)	3A	1.5" DEPTH SUPERPAVE WEARING COURSE (S.Y.)
1B	BITUMINOUS MILLING AND PROFILING (4" AVG. DEPTH) (S.Y.)	3B	1/2" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)
2A	2.5" AVG. DEPTH SUPERPAVE BINDER LEVELING COURSE (TONS)	4	BASE REPAIR (INCLUDING EXCAVATION) (S.Y.)
2B	3/4" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)	5	BITUMINOUS SEAL COAT (DOUBLE APPLICATION) (SY)
		6	EXISTING STORM SEWER AND SYSTEM MAINTENANCE (LS)

STREET RATING	WEIGHTED STREET RATING	YEAR LAST RESURFACED	STREET	TERMINI		LENGTH (FT)	WIDTH (FT)	AREA (SY)	METHOD OF RESURFACE			COMMENTS	ITEM 1A \$3.00	ITEM 1B \$3.50	ITEM 2A \$85.00	ITEM 2B \$90.00	ITEM 3A \$8.50	ITEM 3B \$90.00	ITEM 4 \$45.00	ITEM 5 \$5.00	ITEM 6 5%	ROADWAY TOTAL
				FROM:	TO:				MILL / SCRATCH / WEARING	MILL / BINDER / WEARING	TAR AND CHIP											
6	6.00		Red Rome Circle (E&W)	Olde Orchard	Olde Orchard	950	24	2,533		x			0	2,533	383	0	2,533	0	380	0	\$4,500	\$80,049
6	6.00		Ridgeview Drive	Cul-de-Sac	Oakridge Road	317	24	845		x			0	845	128	0	845	0	127	0	\$1,500	\$26,724
6	6.00		Russets Circle East	Cul-de-Sac	Olde Orchard	158	24	421		x			0	421	64	0	421	0	63	0	\$1,000	\$13,334
6	6.00		Russets Circle West	Cul-de-Sac	Olde Orchard	422	24	1,125		x			0	1,125	170	0	1,125	0	169	0	\$2,000	\$35,544
6	6.00	2003	Ruth Way	Gene Court	Oak Wood Circle	898	26	2,594		x			0	2,594	392	0	2,594	0	389	0	\$4,500	\$81,958
6	6.00	2006	Rutherglen Drive	Turnberry Drive	Cul-de-Sac	792	26	2,288		x			0	2,288	346	0	2,288	0	343	0	\$4,000	\$72,310
6	6.00		School Street	Dead End	Old Oakdale Road	792	16	1,408		x			0	1,408	213	0	1,408	0	211	0	\$2,500	\$44,505
6	6.00		Scotch Hill Road	Massaro Place	Marshall Road	845	12	1,127		x			0	1,127	170	0	1,127	0	169	0	\$2,000	\$35,581
6	6.00		Second Avenue	Dead End	Sygan Road	317	21	740		x			0	740	112	0	740	0	111	0	\$1,500	\$23,395
6	6.00		Second Avenue	Sygan Road	Hook Street	264	21	616		x			0	616	93	0	616	0	92	0	\$1,000	\$19,455
6	6.00		Second Avenue	Hook Street	Verner Street	1,267	21	2,956		x			0	2,956	447	0	2,956	0	443	0	\$5,000	\$93,420
6	6.00	1997	Sherman Circle	Cannongate Dr.	Turn Around	264	24	704		x			0	704	106	0	704	0	106	0	\$1,500	\$22,210
6	6.00	1992	Sherman Street	Orchard Drive	Wabash Avenue	211	18	422		x			0	422	64	0	422	0	63	0	\$1,000	\$13,353
6	6.00		Sixth Avenue	Hook Street	Dead End	634	20	1,409		x			0	1,409	213	0	1,409	0	211	0	\$2,500	\$44,524
6	6.00	1996	South Fayette Street	Millers Run Road	Millers Run Road	2,165	22	5,292		x			0	5,292	800	0	5,292	0	794	0	\$8,500	\$167,225
6	6.00		South Point Court	Northridge Drive	Cul-de-Sac	422	24	1,125		x			0	1,125	170	0	1,125	0	169	0	\$2,000	\$35,544
6	6.00	2005	Sterling Drive	Battleridge Road	Crestwood Drive	1,214	26	3,507		x			0	3,507	530	0	3,507	0	526	0	\$6,000	\$110,806
6	6.00		Sterling Drive	Crestwood Drive	Cul-de-Sac	1,267	26	3,660		x			0	3,660	554	0	3,660	0	549	0	\$6,000	\$115,715
6	6.00	2006	Sunridge Drive	Old Oakdale Road	Cul-de-Sac	528	26	1,525		x			0	1,525	231	0	1,525	0	229	0	\$2,500	\$48,229
6	6.00	1996	Swan Drive	Lakemont Dr.	Cul-de-Sac	475	24	1,267		x			0	1,267	192	0	1,267	0	190	0	\$2,500	\$40,076
6	6.00		Terrance View Drive	Cul-de-Sac	Forest View Drive	106	26	306		x			0	306	46	0	306	0	46	0	\$500	\$9,648
6	6.00		Terrance View Drive	Forest View Drive	Cul-de-Sac	845	26	2,441		x			0	2,441	369	0	2,441	0	366	0	\$4,000	\$77,134
6	6.00	1995	Third Avenue	Dead End	Hook Street	634	20	1,409		x			0	1,409	213	0	1,409	0	211	0	\$2,500	\$44,524
6	6.00	1995	Third Avenue	Hook Street	Dead End	211	20	469		x			0	469	71	0	469	0	70	0	\$1,000	\$14,829
6	6.00	2006	Turnberry Drive	Rutherglen Drive	Cul-de-Sac	1,109	26	3,204		x			0	3,204	485	0	3,204	0	481	0	\$5,500	\$101,300
6	6.00	1992	Wabash Avenue	Orchard Drive	Sherman Street	898	20	1,996		x			0	1,996	302	0	1,996	0	299	0	\$3,500	\$63,095
6	6.00	1992	Wabash Avenue	Mitchell Street	Alexander Street	211	20	469		x			0	469	71	0	469	0	70	0	\$1,000	\$14,829
6	6.00	2001	Wabash Avenue	Alexander Street	Millers Run Road	739	20	1,642		x			0	1,642	248	0	1,642	0	246	0	\$3,000	\$51,868
6	6.00	2005	Willowbrook Drive	Mayview Road	Weeping Willow Court	2,323	26	6,711		x			0	6,711	1,015	0	6,711	0	1,007	0	\$11,000	\$212,106
6	6.00		Winesap Court	Olde Orchard	Turn Around	581	24	1,549		x			0	1,549	234	0	1,549	0	232	0	\$2,500	\$48,934
6	6.00	2006	Woodbridge Drive	Battle Ridge Road	Cul-de-Sac	1,056	26	3,051		x			0	3,051	461	0	3,051	0	458	0	\$5,000	\$96,391
6	6.00		Woodlawn Avenue	Creek Street	Washington County Line	422	18	844		x			0	844	128	0	844	0	127	0	\$1,500	\$26,705

**Table A - Rating Table (All Roads)**  
**TOWNSHIP OF SOUTH FAYETTE**  
**ROAD STUDY**

PREPARED BY: LENNON, SMITH, SOULERET ENGINEERING, INC.  
 DATED: November 2015

RATING SYSTEM			
RATING	DESCRIPTION	RATING	DESCRIPTION
10	NEW CONSTRUCTION	5	MODERATE TO SEVERE RAVELING, TRANSVERSE CRACKING
9	RECENT OVERLAY, LIKE NEW	4	BLOCK CRACKING 25% TO 50%
8	RECENT OVERLAY, SOME REFLECTIVE CRACKING ONLY	3	BLOCK CRACKING OVER 50%, ALLIGATOR CRACKING LESS THAN 25% OF SURFACE
7	LITTLE OR SLIGHT CRACKING, SOME TRAFFIC WEAR	2	SEVERE DISTORTIONS, EXTENSIVE PATCHING, POTHOLES
6	SLIGHT RAVELING AND TRAFFIC WEAR, OCCASIONAL PATCHING	1	SEVERE DISTRESS, EXTENSIVE LOSS OF SURFACE INTEGRITY

STREET ITEMS			
ITEM #	DESCRIPTION	ITEM #	DESCRIPTION
1A	BITUMINOUS MILLING AND PROFILING (2" AVG. DEPTH) (S.Y.)	3A	1.5" DEPTH SUPERPAVE WEARING COURSE (S.Y.)
1B	BITUMINOUS MILLING AND PROFILING (4" AVG. DEPTH) (S.Y.)	3B	1/2" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)
2A	2.5" AVG. DEPTH SUPERPAVE BINDER LEVELING COURSE (TONS)	4	BASE REPAIR (INCLUDING EXCAVATION) (S.Y.)
2B	3/4" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)	5	BITUMINOUS SEAL COAT (DOUBLE APPLICATION) (SY)
		6	EXISTING STORM SEWER AND SYSTEM MAINTENANCE (LS)

STREET RATING	WEIGHTED STREET RATING	YEAR LAST RESURFACED	STREET	TERMINI		LENGTH (FT)	WIDTH (FT)	AREA (SY)	METHOD OF RESURFACE			COMMENTS	ITEM 1A \$3.00	ITEM 1B \$3.50	ITEM 2A \$85.00	ITEM 2B \$90.00	ITEM 3A \$8.50	ITEM 3B \$90.00	ITEM 4 \$45.00	ITEM 5 \$5.00	ITEM 6 5%	ROADWAY TOTAL
				FROM:	TO:				MILL / SCRATCH / WEARING	MILL / BINDER / WEARING	TAR AND CHIP											
6	6.00	2002	Worthington Court	Hickory Grade Road	Cul-de-Sac	581	26	1,678		x			0	1,678	254	0	1,678	0	252	0	\$3,000	\$53,053
7	7.00	1992	Allegheny Avenue	Oak Street	Penn Avenue	317	20	704		x			0	704	106	0	704	0	70	0	\$1,500	\$20,626
7	7.00	1992	Allegheny Avenue	Penn Avenue	Cross Street	634	20	1,409		x			0	1,409	213	0	1,409	0	141	0	\$2,500	\$41,354
7	7.00	2013	Bella Danyella Court	Christine Court	Cul-de-Sac	870	26	2,513		x			0	2,513	380	0	2,513	0	251	0	\$4,000	\$73,765
7	7.00	1992	Campbell Avenue	Oak Street	Penn Avenue	317	16	564		x			0	564	85	0	564	0	56	0	\$1,000	\$16,531
7	7.00	2013	Christine Court	Cul-de-Sac	Cul-de-Sac	1,840	26	5,316		x			0	5,316	804	0	5,316	0	532	0	\$8,000	\$156,054
7	7.00	2000	Crest Street	Millers Run Road	Dead End	581	18	1,162		x			0	1,162	176	0	1,162	0	116	0	\$2,000	\$34,133
7	7.00		David Drive	Sharalyn Drive	Cul-de-Sac	686	26	1,982		x			0	1,982	300	0	1,982	0	198	0	\$3,000	\$58,203
7	7.00	1992	Firwood Drive	Greenwood Drive	Pinewood Drive	1,003	24	2,675		x			0	2,675	405	0	2,675	0	268	0	\$4,000	\$78,563
7	7.00	1997	Grant Street	Millers Run Road	Cherry Road	211	24	563		x			0	563	85	0	563	0	56	0	\$1,000	\$16,515
7	7.00	1990	Hickory Heights Drive	Muirfield Court	Oakmont Court	2,376	24	6,336		x			0	6,336	958	0	6,336	0	634	0	\$9,500	\$185,974
7	7.00	1990	Hickory Heights Drive	Oakmont Court	Merion Court	422	24	1,125		x			0	1,125	170	0	1,125	0	113	0	\$2,000	\$33,013
7	7.00	1990	Hickory Heights Drive	Merion Court	Cul-de-Sac	792	24	2,112		x			0	2,112	319	0	2,112	0	211	0	\$3,500	\$61,963
7	7.00	1990	Hickory Heights Drive	Alpine Road	Muirfield Court	634	24	1,691		x			0	1,691	256	0	1,691	0	169	0	\$2,500	\$49,662
7	7.00	1989	Lakemont Drive	Pinewood Drive	Lakeview Drive	422	14	656		x			0	656	99	0	656	0	66	0	\$1,000	\$19,239
7	7.00	1989	Lakemont Drive	Lakeview Drive	Boxwood Drive	370	24	987		x			0	987	149	0	987	0	99	0	\$1,500	\$28,951
7	7.00	1989	Lakemont Drive	Boxwood Drive	Jeana Lane	739	24	1,971		x			0	1,971	298	0	1,971	0	197	0	\$3,000	\$57,852
7	7.00	1989	Lakemont Drive	Jeana Lane	Mallard Drive	264	24	704		x			0	704	106	0	704	0	70	0	\$1,500	\$20,626
7	7.00	1989	Lakemont Drive	Mallard Drive	Swan Drive	158	24	421		x			0	421	64	0	421	0	42	0	\$1,000	\$12,387
7	7.00	1989	Lakemont Drive	Swan Drive	Lakeview Drive	317	24	845		x			0	845	128	0	845	0	85	0	\$1,500	\$24,823
7	7.00	1989	Lakeview Drive	Lakemont Drive	Parkside Drive	370	24	987		x			0	987	149	0	987	0	99	0	\$1,500	\$28,951
7	7.00	1989	Lakeview Drive	Parkside Drive	Lakemont Drive	370	24	987		x			0	987	149	0	987	0	99	0	\$1,500	\$28,951
7	7.00	2013	Lindsay Lane	Christine Court	Cul-de-Sac	1,340	26	3,871		x			0	3,871	585	0	3,871	0	387	0	\$6,000	\$113,597
7	7.00	2003	Meeting House Road	Wheatland Circle	Sharps Circle	317	24	845		x			0	845	128	0	845	0	85	0	\$1,500	\$24,823
7	7.00	2003	Meeting House Road	Sharps Circle	Sharps Circle	158	24	421		x			0	421	64	0	421	0	42	0	\$1,000	\$12,387
7	7.00	2003	Meeting House Road	Goldenrod Court	Hunting Ridge Road	317	24	845		x			0	845	128	0	845	0	85	0	\$1,500	\$24,823
7	7.00	2012	Montville Drive	Berkshire Blvd.	Cul-de-Sac	1,095	26	3,163		x			0	3,163	478	0	3,163	0	316	0	\$5,000	\$92,820
7	7.00		Oakmont Court	Hickory Heights Dr.	Cul-de-Sac	317	50	1,761		x			0	1,761	266	0	1,761	0	176	0	\$3,000	\$51,667
7	7.00	1992	Old Oak Drive	Firewood Drive	Pinewood Drive	581	24	1,549		x			0	1,549	234	0	1,549	0	155	0	\$2,500	\$45,449
7	7.00	1992	Old Oak Drive	Pinewood Drive	Washington Pike	581	24	1,549		x			0	1,549	234	0	1,549	0	155	0	\$2,500	\$45,449
7	7.00	1996	Parks Road	Hickory Grade Road	Railroad Street	3,010	14	4,682		x			0	4,682	708	0	4,682	0	468	0	\$7,000	\$137,433
7	7.00		Penn Avenue	Allegheny Avenue	Campbell Avenue	211	22	516		x			0	516	78	0	516	0	52	0	\$1,000	\$15,144

**Table A - Rating Table (All Roads)**  
**TOWNSHIP OF SOUTH FAYETTE**  
**ROAD STUDY**

PREPARED BY: LENNON, SMITH, SOULERET ENGINEERING, INC.  
 DATED: November 2015

RATING SYSTEM			
RATING	DESCRIPTION	RATING	DESCRIPTION
10	NEW CONSTRUCTION	5	MODERATE TO SEVERE RAVELING, TRANSVERSE CRACKING
9	RECENT OVERLAY, LIKE NEW	4	BLOCK CRACKING 25% TO 50%
8	RECENT OVERLAY, SOME REFLECTIVE CRACKING ONLY	3	BLOCK CRACKING OVER 50%, ALLIGATOR CRACKING LESS THAN 25% OF SURFACE
7	LITTLE OR SLIGHT CRACKING, SOME TRAFFIC WEAR	2	SEVERE DISTORTIONS, EXTENSIVE PATCHING, POTHOLES
6	SLIGHT RAVELING AND TRAFFIC WEAR, OCCASIONAL PATCHING	1	SEVERE DISTRESS, EXTENSIVE LOSS OF SURFACE INTEGRITY

STREET ITEMS			
ITEM #	DESCRIPTION	ITEM #	DESCRIPTION
1A	BITUMINOUS MILLING AND PROFILING (2" AVG. DEPTH) (S.Y.)	3A	1.5" DEPTH SUPERPAVE WEARING COURSE (S.Y.)
1B	BITUMINOUS MILLING AND PROFILING (4" AVG. DEPTH) (S.Y.)	3B	1/2" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)
2A	2.5" AVG. DEPTH SUPERPAVE BINDER LEVELING COURSE (TONS)	4	BASE REPAIR (INCLUDING EXCAVATION) (S.Y.)
2B	3/4" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)	5	BITUMINOUS SEAL COAT (DOUBLE APPLICATION) (SY)
		6	EXISTING STORM SEWER AND SYSTEM MAINTENANCE (LS)

STREET RATING	WEIGHTED STREET RATING	YEAR LAST RESURFACED	STREET	TERMINI		LENGTH (FT)	WIDTH (FT)	AREA (SY)	METHOD OF RESURFACE			COMMENTS	ITEM 1A \$3.00	ITEM 1B \$3.50	ITEM 2A \$85.00	ITEM 2B \$90.00	ITEM 3A \$8.50	ITEM 3B \$90.00	ITEM 4 \$45.00	ITEM 5 \$5.00	ITEM 6 5%	ROADWAY TOTAL
				FROM:	TO:				MILL / SCRATCH / WEARING	MILL / BINDER / WEARING	TAR AND CHIP											
7	7.00		Portman Lane	Lakemont Drive	Pond Court (North & South	475	24	1,267		x			0	1,267	192	0	1,267	0	127	0	\$2,000	\$37,226
7	7.00		Portman Lane	Pound Ct. N.&S.	Cul-de-Sac	845	24	2,253		x			0	2,253	341	0	2,253	0	225	0	\$3,500	\$66,160
7	7.00		Sharalyn Drive	Hickory Grade Road	David Drive	1,267	26	3,660		x			0	3,660	554	0	3,660	0	366	0	\$5,500	\$107,480
7	7.00		Sharalyn Drive	David Drive	Cul-de-Sac	264	26	763		x			0	763	115	0	763	0	76	0	\$1,500	\$22,365
7	7.00	2012	Stockbridge Court	Berkshire Blvd.	Cul-de-Sac	625	26	1,806		x			0	1,806	273	0	1,806	0	181	0	\$3,000	\$53,004
7	7.00		Twin Ponds Lane	Washington Pike	Cul-de-Sac	660	26	1,907		x			0	1,907	288	0	1,907	0	191	0	\$3,000	\$55,946
7	7.00	1992	Wabash Avenue	Sherman Street	Mitchell Street	792	20	1,760		x			0	1,760	266	0	1,760	0	176	0	\$3,000	\$51,650
8	7.75	2013	Hickory Heights Drive	Alpine Road	Muirfield Court	634	24	1,691		x			0	1,691	256	0	1,691	0	85	0	\$2,500	\$45,857
8	7.92	2013	Willow View Court	Willow Ridge Drive	Cul-de-Sac	270	26	780		x			0	780	118	0	780	0	39	0	\$1,500	\$21,145
8	7.92	2005	Willowbrook Drive	Weeping Willow Court	Cul-de-Sac	898	26	2,594		x			0	2,594	392	0	2,594	0	130	0	\$4,000	\$70,285
8	8.00	1999	Club View Drive	Alphine Road	Cul-de-Sac	2,640	26	7,627		x			0	7,627	1,154	0	7,627	0	381	0	\$10,500	\$206,775
8	8.00	2011	Longview Circle	Hickory Grade Road	Hickory Grade Road	3,175	26	9,172		x			0	9,172	1,387	0	9,172	0	459	0	\$12,500	\$248,596
8	8.00	2003	Meeting House Road	Washington Pike	Wheatland Circle	634	24	1,691		x			0	1,691	256	0	1,691	0	85	0	\$2,500	\$45,857
8	8.00	2003	Meeting House Road	Sharps Circle	Goldenrod Court	1,478	24	3,941		x			0	3,941	596	0	3,941	0	197	0	\$5,500	\$106,819
8	8.00	2003	Meeting House Road	Hunting Ridge Road	Summit Ridge Drive	370	24	987		x			0	987	149	0	987	0	49	0	\$1,500	\$26,730
8	8.00	2003	Meeting House Road	Summit Ridge Drive	Boyce Road	581	24	1,549		x			0	1,549	234	0	1,549	0	77	0	\$2,500	\$41,963
8	8.00	1992	Mitchell Street	Route 50	Orchard Drive	264	20	587		x			0	587	89	0	587	0	29	0	\$1,000	\$15,930
8	8.00		Muirfield Court	Hickory Heights Dr.	Cul-de-Sac	422	24	1,125		x			0	1,125	170	0	1,125	0	56	0	\$2,000	\$30,481
8	8.00	1999	Palomino Drive	Saddlewood Drive	Cul-de-Sac	686	26	1,982		x			0	1,982	300	0	1,982	0	99	0	\$3,000	\$53,744
8	8.00	2013	Parks Farm Road	Hickory Grade Road	Christine Court	230	26	664		x			0	664	100	0	664	0	33	0	\$1,000	\$17,962
8	8.00	1999	Saddlewood Drive	Washington Pike	Palomino Drive	1,109	26	3,204		x			0	3,204	485	0	3,204	0	160	0	\$4,500	\$86,882
8	8.00	1999	Saddlewood Drive	Palomino Drive	Cul-de-Sac	317	26	916		x			0	916	139	0	916	0	46	0	\$1,500	\$24,868
8	8.00	2013	Weeping Willow Court	Willowbrook Drive	Cul-de-Sac	1,090	26	3,149		x			0	3,149	476	0	3,149	0	157	0	\$4,500	\$85,333
8	8.00	2013	Willow Ridge Drive	Weeping Willow Drive	Cul-de-Sac	1,060	26	3,062		x			0	3,062	463	0	3,062	0	153	0	\$4,500	\$82,989
9	9.00	2001	Augusta Drive	Cul-de-Sac	Cypress Lane	1,003	26	2,898		x			2,898	0	0	143	2,898	0	58	0	\$2,500	\$48,805
9	9.00	2001	Augusta Drive	Cypress Lane	Pine Valley Drive	1,056	26	3,051		x			3,051	0	0	151	3,051	0	61	0	\$3,000	\$51,422
9	9.00	2001	Cypress Court	Augusta Drive	Cul-de-Sac	475	26	1,372		x			1,372	0	0	68	1,372	0	27	0	\$1,500	\$23,133
9	9.00	2002	Oak Tree Court	Pine Valley Drive	Cul-de-Sac	581	26	1,678		x			1,678	0	0	83	1,678	0	34	0	\$1,500	\$28,277
9	9.00	2001	Pine Valley Drive	Oak Tree Court	Augusta Drive	2,534	26	7,320		x			7,320	0	0	362	7,320	0	146	0	\$6,500	\$123,348
9	9.00	2001	Pine Valley Drive	Augusta Drive	Hickory Grade Road	1,056	26	3,051		x			3,051	0	0	151	3,051	0	61	0	\$3,000	\$51,422
9	9.00	2014	Windsor Court	Cul-de-Sac	Cul-de-Sac	520	26	1,502		x			1,502	0	0	74	1,502	0	30	0	\$1,500	\$25,285
9	9.00	2014	Windsor Drive	Berkshire Blvd.	Windsor Court	970	26	2,802		x			2,802	0	0	139	2,802	0	56	0	\$2,500	\$47,255

**Table A - Rating Table (All Roads)**  
**TOWNSHIP OF SOUTH FAYETTE**  
**ROAD STUDY**

PREPARED BY: LENNON, SMITH, SOULERET ENGINEERING, INC.  
 DATED: November 2015

RATING SYSTEM			
RATING	DESCRIPTION	RATING	DESCRIPTION
10	NEW CONSTRUCTION	5	MODERATE TO SEVERE RAVELING, TRANSVERSE CRACKING
9	RECENT OVERLAY, LIKE NEW	4	BLOCK CRACKING 25% TO 50%
8	RECENT OVERLAY, SOME REFLECTIVE CRACKING ONLY	3	BLOCK CRACKING OVER 50%, ALLIGATOR CRACKING LESS THAN 25% OF SURFACE
7	LITTLE OR SLIGHT CRACKING, SOME TRAFFIC WEAR	2	SEVERE DISTORTIONS, EXTENSIVE PATCHING, POTHoles
6	SLIGHT RAVELING AND TRAFFIC WEAR, OCCASIONAL PATCHING	1	SEVERE DISTRESS, EXTENSIVE LOSS OF SURFACE INTEGRITY

STREET ITEMS			
ITEM #	DESCRIPTION	ITEM #	DESCRIPTION
1A	BITUMINOUS MILLING AND PROFILING (2" AVG. DEPTH) (S.Y.)	3A	1.5" DEPTH SUPERPAVE WEARING COURSE (S.Y.)
1B	BITUMINOUS MILLING AND PROFILING (4" AVG. DEPTH) (S.Y.)	3B	1/2" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)
2A	2.5" AVG. DEPTH SUPERPAVE BINDER LEVELING COURSE (TONS)	4	BASE REPAIR (INCLUDING EXCAVATION) (S.Y.)
2B	3/4" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)	5	BITUMINOUS SEAL COAT (DOUBLE APPLICATION) (SY)
		6	EXISTING STORM SEWER AND SYSTEM MAINTENANCE (LS)

STREET RATING	WEIGHTED STREET RATING	YEAR LAST RESURFACED	STREET	TERMINI		LENGTH (FT)	WIDTH (FT)	AREA (SY)	METHOD OF RESURFACE			COMMENTS	ITEM 1A \$3.00	ITEM 1B \$3.50	ITEM 2A \$85.00	ITEM 2B \$90.00	ITEM 3A \$8.50	ITEM 3B \$90.00	ITEM 4 \$45.00	ITEM 5 \$5.00	ITEM 6 5%	ROADWAY TOTAL		
				FROM:	TO:				MILL / SCRATCH / WEARING	MILL / BINDER / WEARING	TAR AND CHIP													
10	10.00	2014	Cemetery Hill Road	McVey Street	Magnolia Avenue	317	18	634	x				634	0	0	31	634	0	0	0	\$1,000	\$10,081		
10	10.00	2014	Cemetery Hill Road	Magnolia Avenue	Main Street	158	18	316	x				316	0	0	16	316	0	0	0	\$500	\$5,074		
10	10.00	2014	Cemetery Hill Road	Main Street	McNary Street	370	18	740	x				740	0	0	37	740	0	0	0	\$1,000	\$11,840		
10	10.00	2014	Cemetery Hill Road	McNary Street	N Fayette TWP Line	2,851	18	5,702	x				5,702	0	0	282	5,702	0	0	0	\$5,000	\$90,953		
10	10.00	2014	Empire Drive (formally)	Washington Pike	Cul-de-Sac	1,003	24	2,675	x				2,675	0	0	132	2,675	0	0	0	\$2,500	\$42,643		
10	10.00	2014	Fieldcrest Drive	Washinton Pike	Cul-de-Sac	1,330	26	3,842	x				3,842	0	0	190	3,842	0	0	0	\$3,500	\$61,283		
10	10.00	2014	Firwood Drive	Old Oak Drive	Woodhaven Dr.	317	24	845	x				845	0	0	42	845	0	0	0	\$1,000	\$13,498		
10	10.00	2014	Gneiss Drive	Granite Ridge Drive	Cul-de-Sac	790	26	2,282	x				2,282	0	0	113	2,282	0	0	0	\$2,000	\$36,413		
10	10.00	2014	Granite Ridge Drive	Robinson Run Road	Sandstone Drive	950	26	2,744	x				2,744	0	0	136	2,744	0	0	0	\$2,500	\$43,796		
10	10.00	2014	Greenwood Drive	Woodhaven Drive	Firwood Drive	2,112	24	5,632	x				5,632	0	0	279	5,632	0	0	0	\$4,500	\$89,878		
10	10.00	2014	Greenwood Drive	Woodhaven Drive	Lawshadow Drive	845	24	2,253	x				2,253	0	0	112	2,253	0	0	0	\$2,000	\$35,990		
10	10.00	2014	Greenwood Drive	Lawshadow Drive	Meadow Drive	1,584	24	4,224	x				4,224	0	0	209	4,224	0	0	0	\$3,500	\$67,386		
10	10.00	2014	Greenwood Drive	Meadow Drive	Firwood	422	24	1,125	x				1,125	0	0	56	1,125	0	0	0	\$1,000	\$17,978		
10	10.00	2014	Lawshadow Drive	Boyce Road	Greewood Drive	686	24	1,829	x				1,829	0	0	91	1,829	0	0	0	\$1,500	\$29,224		
10	10.00	2014	Lawshadow Drive	Greenwood Drive	Woodhaven Drive	317	24	845	x				845	0	0	42	845	0	0	0	\$1,000	\$13,498		
10	10.00	2014	Main Street	Cemetery Hill Road	Chestnut Street	686	22	1,677	x				1,677	0	0	83	1,677	0	0	0	\$1,500	\$26,756		
10	10.00	2014	Main Street	Chestnut Street	Main Street Ext	1,373	22	3,356	x				3,356	0	0	166	3,356	0	0	0	\$3,000	\$53,534		
10	10.00	2014	Main Street Ext.	Main Street	Dead End	211	16	375	x				375	0	0	19	375	0	0	0	\$500	\$6,023		
10	10.00	2014	Mc Nary St.	Cemetery Hill Road	Dead End	686	14	1,067	x				1,067	0	0	53	1,067	0	0	0	\$1,000	\$17,041		
10	10.00	2014	Meadow Drive	Old Oak Drive	Greenwood Drive	845	24	2,253	x				2,253	0	0	112	2,253	0	0	0	\$2,000	\$35,990		
10	10.00	2014	Old Oak Drive	Meadow Drive	Firewood Drive	475	24	1,267	x				1,267	0	0	63	1,267	0	0	0	\$1,500	\$20,241		
10	10.00	2014	Sandstone Drive	Granite Drive	Incomplete	1,480	26	4,276	x				4,276	0	0	212	4,276	0	0	0	\$3,500	\$68,254		
10	10.00	2014	Springhouse Place	Washington Pike	Springhouse Place	792	22	1,936	x				1,936	0	0	96	1,936	0	0	0	\$2,000	\$30,904		
10	10.00	2014	Springhouse Place	Springhouse Pl.	Springhouse Place	1,373	22	3,356	x				3,356	0	0	166	3,356	0	0	0	\$3,000	\$53,534		
10	10.00	2014	Woodhaven Drive	Greenwood Drive	Lawshadow Drive	1,003	24	2,675	x				2,675	0	0	132	2,675	0	0	0	\$2,500	\$42,643		
10	10.00	2014	Woodhaven Drive	Lawshadow Drive	Firwood Drive	739	24	1,971	x				1,971	0	0	98	1,971	0	0	0	\$2,000	\$31,487		
<b>TOTALS</b>													83,571	686,127	103,765	9,116	769,698	3,597	152,006	100,576				

<b>SUBTOTAL PAVING COST</b>										<b>\$26,501,994.00</b>
<b>SUBTOTAL STORM SEWER COST</b>										<b>\$1,432,000.00</b>
<b>15% CONTINGENCY</b>										<b>\$4,190,099.10</b>
<b>TOTAL COST</b>										<b>\$32,124,093.10</b>



**APPENDIX A**  
**TABLE B**  
**COLLECTOR ROADS**

**Table B - Rating Table (Collector Roads)**  
**TOWNSHIP OF SOUTH FAYETTE**  
**ROAD STUDY**

PREPARED BY: LENNON, SMITH, SOULERET ENGINEERING, INC.  
 DATED: November 2015

RATING SYSTEM			
RATING	DESCRIPTION	RATING	DESCRIPTION
10	NEW CONSTRUCTION	5	MODERATE TO SEVERE RAVELING, TRANSVERSE CRACKING
9	RECENT OVERLAY, LIKE NEW	4	BLOCK CRACKING 25% TO 50%
8	RECENT OVERLAY, SOME REFLECTIVE CRACKING ONLY	3	BLOCK CRACKING OVER 50%, ALLIGATOR CRACKING LESS THAN 25% OF SURFACE
7	LITTLE OR SLIGHT CRACKING, SOME TRAFFIC WEAR	2	SEVERE DISTORTIONS, EXTENSIVE PATCHING, POTHOLES
6	SLIGHT RAVELING AND TRAFFIC WEAR, OCCASIONAL PATCHING	1	SEVERE DISTRESS, EXTENSIVE LOSS OF SURFACE INTEGRITY

STREET ITEMS			
ITEM #	DESCRIPTION	ITEM #	DESCRIPTION
1A	BITUMINOUS MILLING AND PROFILING (2" AVG. DEPTH) (S.Y.)	3A	1.5" DEPTH SUPERPAVE WEARING COURSE (S.Y.)
1B	BITUMINOUS MILLING AND PROFILING (4" AVG. DEPTH) (S.Y.)	3B	1/2" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)
2A	2.5" AVG. DEPTH SUPERPAVE BINDER LEVELING COURSE (TONS)	4	BASE REPAIR (INCLUDING EXCAVATION) (S.Y.)
2B	3/4" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)	5	BITUMINOUS SEAL COAT (DOUBLE APPLICATION) (SY)
		6	EXISTING STORM SEWER AND SYSTEM MAINTENANCE (LS)

STREET RATING	WEIGHTED STREET RATING	YEAR LAST RESURFACED	STREET	TERMINI		LENGTH (FT)	WIDTH (FT)	AREA (SY)	METHOD OF RESURFACE			COMMENTS	ITEM 1A \$3.00	ITEM 1B \$3.50	ITEM 2A \$85.00	ITEM 2B \$90.00	ITEM 3A \$8.50	ITEM 3B \$90.00	ITEM 4 \$45.00	ITEM 5 \$5.00	ITEM 6 5%	ROADWAY TOTAL		
				FROM:	TO:				MILL / SCRATCH / WEARING	MILL / BINDER / WEARING	TAR AND CHIP													
4	3.59	2000	Hickory Grade Road	Old Pond Road	Sr Rte. 0050	422	22	1,008		x			0	1,008	152	0	1,008	0	252	0	\$2,000	\$36,356		
4	3.63	2000	Hickory Grade Road	Forbes Street	Old Pond Road	950	22	2,269		x			0	2,269	343	0	2,269	0	567	0	\$4,500	\$81,909		
5	4.46	2005	Old Oakdale Road	Valley Forest Road	Forest Ridge Road	6,706	26	19,373		x			0	19,373	2,930	0	19,373	0	3,875	0	\$33,000	\$655,883		
5	4.46	2002	Old Oakdale Road	Forest Ridge Road	Sunridge Drive	1,056	26	3,051		x			0	3,051	461	0	3,051	0	610	0	\$5,500	\$103,256		
5	4.67	1992	Alpine Road	Washington Pike	Clubview Drive	2,006	23	5,126		x			0	5,126	775	0	5,126	0	1,025	0	\$9,000	\$173,521		
5	4.67	1992	Alpine Road	Clubview Drive	Coal Pit Run Road	634	23	1,620		x			0	1,620	245	0	1,620	0	324	0	\$3,000	\$54,845		
5	4.67	1992	Alpine Road	Coal Pit Run Road	Hickory Heights Drive	1,373	23	3,509		x			0	3,509	531	0	3,509	0	702	0	\$6,000	\$118,824		
5	4.67	1992	Alpine Road	Hickory Heights Drive	Hickory Grade Road	3,485	23	8,906		x			0	8,906	1,347	0	8,906	0	1,781	0	\$15,500	\$301,521		
5	4.67	1992	Alpine Road	Hickory Grade Road	Route 50	1,478	23	3,777		x			0	3,777	571	0	3,777	0	755	0	\$6,500	\$127,852		
5	4.71	2000	Hickory Grade Road	Parks Road	Bowman Road	898	22	2,145		x			0	2,145	324	0	2,145	0	429	0	\$4,000	\$72,585		
5	4.71	2000	Hickory Grade Road	Pine Valley Drive	Forbes Street	5,069	22	12,109		x			0	12,109	1,831	0	12,109	0	2,422	0	\$20,500	\$409,924		
5	4.75	1992	Cemetery Hill Road	Robinson Road	McVey	1,901	18	3,802		x			0	3,802	575	0	3,802	0	760	0	\$6,500	\$128,717		
5	4.75	1999	Old Pond Road	Hickory Grade Road	Abele Road	3,538	26	10,221		x			0	10,221	1,546	0	10,221	0	2,044	0	\$17,500	\$346,051		
6	5.46	2005	Old Oakdale Road	Millers Run Road	Valley Forest Road	528	26	1,525		x			0	1,525	231	0	1,525	0	229	0	\$2,500	\$48,229		
6	5.46	2005	Old Oakdale Road	Sunridge Drive	Will Way	2,904	26	8,389		x			0	8,389	1,269	0	8,389	0	1,258	0	\$13,500	\$265,159		
6	5.46	2005	Old Oakdale Road	Will Way	Cannongate Drive	2,059	26	5,948		x			0	5,948	900	0	5,948	0	892	0	\$9,500	\$188,025		
6	5.46	2005	Old Oakdale Road	Cannongate Drive	Battleridge Road	581	26	1,678		x			0	1,678	254	0	1,678	0	252	0	\$3,000	\$53,053		
6	5.63	2000	Hickory Grade Road	Alpine Road	Woodcreek Drive	898	22	2,145		x			0	2,145	324	0	2,145	0	322	0	\$3,500	\$67,759		
6	5.71	2000	Hickory Grade Road	Washington County Line	Parks Road	1,954	22	4,668		x			0	4,668	706	0	4,668	0	700	0	\$7,500	\$147,535		
6	5.71	2000	Hickory Grade Road	Bowman Road	Alpine Road	6,864	22	16,397		x			0	16,397	2,480	0	16,397	0	2,460	0	\$26,000	\$518,244		
6	5.71	2000	Hickory Grade Road	Woodcreek Drive	Highland Creek Road	1,584	22	3,784		x			0	3,784	572	0	3,784	0	568	0	\$6,000	\$119,570		
6	5.71	2000	Hickory Grade Road	Highland Creek Road	Pine Creek Drive	158	22	377		x			0	377	57	0	377	0	57	0	\$1,000	\$11,914		
6	5.71	2000	Hickory Grade Road	Pine Creek Drive	Belle Terre Court	950	22	2,269		x			0	2,269	343	0	2,269	0	340	0	\$4,000	\$71,699		
6	5.71	2000	Hickory Grade Road	Belle Terre Court	Pine Valley Drive	1,848	22	4,415		x			0	4,415	668	0	4,415	0	662	0	\$7,000	\$139,561		
6	5.75	1996	Parks Road	Railroad Street	Middle Street	475	14	739		x			0	739	112	0	739	0	111	0	\$1,500	\$23,376		
6	5.75	1996	Parks Road	Middle Street	S.R. 0050	634	14	986		x			0	986	149	0	986	0	148	0	\$2,000	\$31,153		
7	6.75	1996	Parks Road	Hickory Grade Road	Railroad Street	3,010	14	4,682		x			0	4,682	708	0	4,682	0	468	0	\$7,000	\$137,433		
<b>TOTALS</b>													0	134,918	20,404	0	134,918	0	24,013	0				
													<b>SUBTOTAL PAVING COST</b>		<b>\$4,433,954.00</b>									
													<b>SUBTOTAL STORM SEWER COST</b>		<b>\$227,500.00</b>									
													<b>15% CONTINGENCY</b>		<b>\$699,218.10</b>									
													<b>TOTAL COST</b>		<b>\$5,360,672.10</b>									

**APPENDIX A**  
**TABLE C**  
**NEIGHBORHOOD ROADS**

**Table C - Rating Table (Neighborhood Roads)**  
**TOWNSHIP OF SOUTH FAYETTE**  
**ROAD STUDY**

PREPARED BY: LENNON, SMITH, SOULERET ENGINEERING, INC.  
 DATED: November 2015

RATING SYSTEM			
RATING	DESCRIPTION	RATING	DESCRIPTION
10	NEW CONSTRUCTION	5	MODERATE TO SEVERE RAVELING, TRANSVERSE CRACKING
9	RECENT OVERLAY, LIKE NEW	4	BLOCK CRACKING 25% TO 50%
8	RECENT OVERLAY, SOME REFLECTIVE CRACKING ONLY	3	BLOCK CRACKING OVER 50%, ALLIGATOR CRACKING LESS THAN 25% OF SURFACE
7	LITTLE OR SLIGHT CRACKING, SOME TRAFFIC WEAR	2	SEVERE DISTORTIONS, EXTENSIVE PATCHING, POTHOLES
6	SLIGHT RAVELING AND TRAFFIC WEAR, OCCASIONAL PATCHING	1	SEVERE DISTRESS, EXTENSIVE LOSS OF SURFACE INTEGRITY

STREET ITEMS			
ITEM #	DESCRIPTION	ITEM #	DESCRIPTION
1A	BITUMINOUS MILLING AND PROFILING (2" AVG. DEPTH) (S.Y.)	3A	1.5" DEPTH SUPERPAVE WEARING COURSE (S.Y.)
1B	BITUMINOUS MILLING AND PROFILING (4" AVG. DEPTH) (S.Y.)	3B	1/2" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)
2A	2.5" AVG. DEPTH SUPERPAVE BINDER LEVELING COURSE (TONS)	4	BASE REPAIR (INCLUDING EXCAVATION) (S.Y.)
2B	3/4" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)	5	BITUMINOUS SEAL COAT (DOUBLE APPLICATION) (SY)
		6	EXISTING STORM SEWER AND SYSTEM MAINTENANCE (LS)

STREET RATING	WEIGHTED STREET RATING	YEAR LAST RESURFACED	STREET	TERMINI		LENGTH (FT)	WIDTH (FT)	AREA (SY)	METHOD OF RESURFACE			COMMENTS	ITEM 1A \$3.00	ITEM 1B \$3.50	ITEM 2A \$85.00	ITEM 2B \$90.00	ITEM 3A \$8.50	ITEM 3B \$90.00	ITEM 4 \$45.00	ITEM 5 \$5.00	ITEM 6 5%	ROADWAY TOTAL
				FROM:	TO:				MILL / SCRATCH / WEARING	MILL / BINDER / WEARING	TAR AND CHIP											
2	2.00		Boys Home Road (East)	Battle Ridge Road	Ridge Road	1,373	14	2,136			x		0	0	0	106	0	76	748	2,136	\$3,500	\$60,702
2	2.00	2001	Boys Home Road (West)	Battle Ridge Road	Ridge Road	1,003	14	1,560			x		0	0	0	77	0	56	546	1,560	\$2,500	\$44,340
2	2.00		Ridge Road	Rutherford Drive (Park)	Boys Home Road	1,848	14	2,875			x		0	0	0	142	0	103	1,006	2,875	\$4,500	\$81,706
4	3.80		Winchester Drive	Dead End	Battery Drive North	264	24	704			x		0	704	106	0	704	0	176	0	\$1,500	\$25,378
4	3.80		Winchester Drive	Battery Drive North	Oakridge Road	211	24	563			x		0	563	85	0	563	0	141	0	\$1,500	\$20,315
4	3.84	1998	Crab Orchard Court	Rutherford Drive	Cul-de-Sac	264	26	763			x		0	763	115	0	763	0	191	0	\$1,500	\$27,515
4	3.84		Valley View Drive	Oak Ridge Road	Apple Blossom Drive	158	26	456			x		0	456	69	0	456	0	114	0	\$1,000	\$16,467
4	3.84		Valley View Drive	Apple Blossom Drive	Cul-de-Sac	792	26	2,288			x		0	2,288	346	0	2,288	0	572	0	\$4,500	\$82,606
4	3.92	1993	Freedom Drive South	Washington Pike	Cul-de-Sac	1,267	16	2,252			x		0	2,252	341	0	2,252	0	563	0	\$4,500	\$81,344
4	4.00	1996	Apple Ridge Road	Apple Blossom Drive	Cul-de-Sac	422	26	1,219			x		0	1,219	184	0	1,219	0	305	0	\$2,500	\$43,982
4	4.00		Big Meadow Road	Hunting Ridge Trail	Hunting Ridge Trail	528	26	1,525			x		0	1,525	231	0	1,525	0	381	0	\$3,000	\$55,091
4	4.00	1992	Enfield Court	Summit Ridge Road	Turn Around	528	24	1,408			x		0	1,408	213	0	1,408	0	352	0	\$3,000	\$50,841
4	4.00	1992	Fox Chase Court	Hunting Ridge Trail	Hunting Ridge Trail	1,426	24	3,803			x		0	3,803	575	0	3,803	0	951	0	\$7,000	\$137,295
4	4.00	1998	Grail Hill	Ruther Glen Drive	Tiporary Court	264	26	763			x		0	763	115	0	763	0	191	0	\$1,500	\$27,515
4	4.00	1998	Grail Hill	Tiporary Court	Cul-de-Sac	581	26	1,678			x		0	1,678	254	0	1,678	0	420	0	\$3,500	\$60,604
4	4.00	2001	Highland Creek Drive	Hickory Grade Road	Cul-de-Sac	3,432	26	9,915			x		0	9,915	1,500	0	9,915	0	2,479	0	\$18,000	\$358,024
4	4.00	1992	Horseshoe Circle	Summit Ridge Drive	Summit Ridge Drive	1,003	24	2,675			x		0	2,675	405	0	2,675	0	669	0	\$5,000	\$96,619
4	4.00		Hunting Ridge Road	Ridge Point Circle	Ridge Point Circle	528	24	1,408			x		0	1,408	213	0	1,408	0	352	0	\$3,000	\$50,841
4	4.00	2000	Locust Lane	Dutch Hill Road	Rahner Wood Drive	1,162	16	2,066			x		0	2,066	312	0	2,066	0	517	0	\$4,000	\$74,555
4	4.00		Marshall Road	Scotch Hill Road	LR 681	4,594	15	7,657			x		0	7,657	1,158	0	7,657	0	1,914	0	\$14,000	\$276,455
4	4.00	1991	McVey Street	Cemetery Hill Road	Cortland Street	1,267	19	2,675			x		0	2,675	405	0	2,675	0	669	0	\$5,000	\$96,619
4	4.00	1991	McVey Street Ext.	Cemetery Hill Road	Cemetery Hill Road	1,690	19	3,568			x		0	3,568	540	0	3,568	0	892	0	\$6,500	\$128,856
4	4.00	1992	Myrtle Street	Hudson Avenue	Dead End	211	16	375			x		0	375	57	0	375	0	94	0	\$1,000	\$13,564
4	4.00	1992	Ravenwood Drive	Hunting Ridge Trail	Cul-de-Sac	370	28	1,151			x		0	1,151	174	0	1,151	0	288	0	\$2,500	\$41,551
4	4.00	1992	Sharps Circle	Meeting House Road	Meeting House Road	317	22	775			x		0	775	117	0	775	0	194	0	\$1,500	\$27,964
4	4.00		South Street	North FayetteTwp Line	Dead End	792	14	1,232			x		0	1,232	186	0	1,232	0	308	0	\$2,500	\$44,454
4	4.00	1993	Summit Ridge Drive	Enfield Court	Boyce Road	634	22	1,550			x		0	1,550	234	0	1,550	0	388	0	\$3,000	\$55,928
4	4.00		Vista Street	S.R. 978	Dead End	528	22	1,291			x		0	1,291	195	0	1,291	0	323	0	\$2,500	\$46,591
5	4.60		Fawcett Church Road	Washington County Line	Washington County Line	3,590	16	6,382			x		0	6,382	965	0	6,382	0	1,276	0	\$11,000	\$216,047
5	4.80	1998	Old Fayette Trail	Rutherford Drive	Cul-de-sac	1,267	18	2,534			x		0	2,534	383	0	2,534	0	507	0	\$4,500	\$85,769
5	4.80	2005	Sundance Drive	Washinton Pike	Cul-de-Sac	1,584	26	4,576			x		0	4,576	692	0	4,576	0	915	0	\$8,000	\$154,916
5	4.84	2000	Kingsbrook Drive	Kingswood Lane	SR 3029	739	26	2,135			x		0	2,135	323	0	2,135	0	427	0	\$4,000	\$72,290

**Table C - Rating Table (Neighborhood Roads)**  
**TOWNSHIP OF SOUTH FAYETTE**  
**ROAD STUDY**

PREPARED BY: LENNON, SMITH, SOULERET ENGINEERING, INC.  
 DATED: November 2015

RATING SYSTEM			
RATING	DESCRIPTION	RATING	DESCRIPTION
10	NEW CONSTRUCTION	5	MODERATE TO SEVERE RAVELING, TRANSVERSE CRACKING
9	RECENT OVERLAY, LIKE NEW	4	BLOCK CRACKING 25% TO 50%
8	RECENT OVERLAY, SOME REFLECTIVE CRACKING ONLY	3	BLOCK CRACKING OVER 50%, ALLIGATOR CRACKING LESS THAN 25% OF SURFACE
7	LITTLE OR SLIGHT CRACKING, SOME TRAFFIC WEAR	2	SEVERE DISTORTIONS, EXTENSIVE PATCHING, POTHOLES
6	SLIGHT RAVELING AND TRAFFIC WEAR, OCCASIONAL PATCHING	1	SEVERE DISTRESS, EXTENSIVE LOSS OF SURFACE INTEGRITY

STREET ITEMS			
ITEM #	DESCRIPTION	ITEM #	DESCRIPTION
1A	BITUMINOUS MILLING AND PROFILING (2" AVG. DEPTH) (S.Y.)	3A	1.5" DEPTH SUPERPAVE WEARING COURSE (S.Y.)
1B	BITUMINOUS MILLING AND PROFILING (4" AVG. DEPTH) (S.Y.)	3B	1/2" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)
2A	2.5" AVG. DEPTH SUPERPAVE BINDER LEVELING COURSE (TONS)	4	BASE REPAIR (INCLUDING EXCAVATION) (S.Y.)
2B	3/4" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)	5	BITUMINOUS SEAL COAT (DOUBLE APPLICATION) (SY)
		6	EXISTING STORM SEWER AND SYSTEM MAINTENANCE (LS)

STREET RATING	WEIGHTED STREET RATING	YEAR LAST RESURFACED	STREET	TERMINI		LENGTH (FT)	WIDTH (FT)	AREA (SY)	METHOD OF RESURFACE			COMMENTS	ITEM 1A \$3.00	ITEM 1B \$3.50	ITEM 2A \$85.00	ITEM 2B \$90.00	ITEM 3A \$8.50	ITEM 3B \$90.00	ITEM 4 \$45.00	ITEM 5 \$5.00	ITEM 6 5%	ROADWAY TOTAL
				FROM:	TO:				MILL / SCRATCH / WEARING	MILL / BINDER / WEARING	TAR AND CHIP											
5	4.88	2001	Toftrees Drive	Washington Pike	Valleyview	211	26	610		x			0	610	92	0	610	0	122	0	\$1,500	\$20,630
5	4.88	2001	Toftrees Drive	Valleyview	Cul-de-Sac	1,003	26	2,898		x			0	2,898	438	0	2,898	0	580	0	\$5,000	\$98,088
5	5.00	1996	Apple Blossom Drive	Valley View Drive	Apple Ridge Road	211	26	610		x			0	610	92	0	610	0	122	0	\$1,500	\$20,630
5	5.00	1996	Apple Blossom Drive	Apple Ridge Road	Cul-de-Sac	211	26	610		x			0	610	92	0	610	0	122	0	\$1,500	\$20,630
5	5.00	1996	Battery Drive North	Battery Drive South	Battery Drive South	739	24	1,971		x			0	1,971	298	0	1,971	0	394	0	\$3,500	\$66,721
5	5.00	1996	Battery Drive North	Battery Drive South	Winchester Drive	739	24	1,971		x			0	1,971	298	0	1,971	0	394	0	\$3,500	\$66,721
5	5.00	1996	Battery Drive South	Stuart Circle	Battery Drive North	264	24	704		x			0	704	106	0	704	0	141	0	\$1,500	\$23,794
5	5.00	1996	Battery Drive South	Stuart Circle	Battery Drive North	1,056	24	2,816		x			0	2,816	426	0	2,816	0	563	0	\$5,000	\$95,346
5	5.00	1997	Cannongate Drive	Lee Circle	Grant Circle	317	24	845		x			0	845	128	0	845	0	169	0	\$1,500	\$28,625
5	5.00	1997	Cannongate Drive	Grant Circle	Sherman Circle	317	24	845		x			0	845	128	0	845	0	169	0	\$1,500	\$28,625
5	5.00		Fairview Drive	Old Orchard Drive	Dead End	264	24	704		x			0	704	106	0	704	0	141	0	\$1,500	\$23,794
5	5.00		Fifth Avenue	Dead End	Hook Street	475	20	1,056		x			0	1,056	160	0	1,056	0	211	0	\$2,000	\$35,776
5	5.00	1996	First Avenue	Sygan Road	Hook Street	211	15	352		x			0	352	53	0	352	0	70	0	\$1,000	\$11,897
5	5.00	2001	Fortune Court (formally Toftrees Drive	Cul-de-Sac		528	26	1,525		x			0	1,525	231	0	1,525	0	305	0	\$3,000	\$51,660
5	5.00	1995	Fourth Avenue	Dead End	Hook Street	317	20	704		x			0	704	106	0	704	0	141	0	\$1,500	\$23,794
5	5.00	1995	Fourth Avenue	Hook Street	Dead End	264	20	587		x			0	587	89	0	587	0	117	0	\$1,000	\$19,892
5	5.00	1998	Goldenrod Court	Meeting House Rd.	Meeting House Rd.	317	24	845		x			0	845	128	0	845	0	169	0	\$1,500	\$28,625
5	5.00	1992	Harvest Court	Summit Ridge Drive	Turn Around	264	24	704		x			0	704	106	0	704	0	141	0	\$1,500	\$23,794
5	5.00		Hunting Ridge Road	Meeting House Road	Ridge Point Circle	581	24	1,549		x			0	1,549	234	0	1,549	0	310	0	\$3,000	\$52,419
5	5.00		Hunting Ridge Road	Ridge Point Circle	Boyce Road	211	24	563		x			0	563	85	0	563	0	113	0	\$1,000	\$19,048
5	5.00	2002	Kingsbrook Drive	Cul-de-sac	Kingswood Lane	1,214	26	3,507		x			0	3,507	530	0	3,507	0	701	0	\$6,000	\$118,697
5	5.00	1997	Lee Circle	Cannongate Drive	Turn Around	264	24	704		x			0	704	106	0	704	0	141	0	\$1,500	\$23,794
5	5.00	2001	Magnolia Avenue	Cemetery Hill Road	Cortland Street	1,162	16	2,066		x			0	2,066	312	0	2,066	0	413	0	\$3,500	\$69,906
5	5.00	1990	Magnolia Avenue	Orchard Drive	East Street	686	16	1,220		x			0	1,220	185	0	1,220	0	244	0	\$2,500	\$41,345
5	5.00	1990	Main Street	Main Street Ext	North Fayette Twp. Line	317	22	775		x			0	775	117	0	775	0	155	0	\$1,500	\$26,220
5	5.00	1996	Maple Court	Wood Creek Drive	Cul-de-Sac	317	26	916		x			0	916	139	0	916	0	183	0	\$2,000	\$31,051
5	5.00	1991	McVey Street	Orchard Drive	East Street	634	19	1,338		x			0	1,338	202	0	1,338	0	268	0	\$2,500	\$45,268
5	5.00	1996	Morgan Hill Road	Millers Run Road	Elm Street	1,162	18	2,324		x			0	2,324	352	0	2,324	0	465	0	\$4,000	\$78,724
5	5.00	1996	Morgan Hill Road	Elm Street	Morgan Hollow Road	1,109	19	2,341		x			0	2,341	354	0	2,341	0	468	0	\$4,000	\$79,251
5	5.00	1996	Morgan Hill Road	Morgan Hollow Road	West Bridge Drive	158	19	334		x			0	334	51	0	334	0	67	0	\$1,000	\$11,349
5	5.00	1993	Morning Wind Circle	Hunting Ridge Trail	Hunting Ridge Trail	686	24	1,829		x			0	1,829	277	0	1,829	0	366	0	\$3,500	\$61,954
5	5.00	1993	Open Meadow Circle	Hunting Ridge Trail	Cul-de-Sac	370	25	1,028		x			0	1,028	155	0	1,028	0	206	0	\$2,000	\$34,763

**Table C - Rating Table (Neighborhood Roads)**  
**TOWNSHIP OF SOUTH FAYETTE**  
**ROAD STUDY**

PREPARED BY: LENNON, SMITH, SOULERET ENGINEERING, INC.  
 DATED: November 2015

RATING SYSTEM			
RATING	DESCRIPTION	RATING	DESCRIPTION
10	NEW CONSTRUCTION	5	MODERATE TO SEVERE RAVELING, TRANSVERSE CRACKING
9	RECENT OVERLAY, LIKE NEW	4	BLOCK CRACKING 25% TO 50%
8	RECENT OVERLAY, SOME REFLECTIVE CRACKING ONLY	3	BLOCK CRACKING OVER 50%, ALLIGATOR CRACKING LESS THAN 25% OF SURFACE
7	LITTLE OR SLIGHT CRACKING, SOME TRAFFIC WEAR	2	SEVERE DISTORTIONS, EXTENSIVE PATCHING, POTHOLES
6	SLIGHT RAVELING AND TRAFFIC WEAR, OCCASIONAL PATCHING	1	SEVERE DISTRESS, EXTENSIVE LOSS OF SURFACE INTEGRITY

STREET ITEMS			
ITEM #	DESCRIPTION	ITEM #	DESCRIPTION
1A	BITUMINOUS MILLING AND PROFILING (2" AVG. DEPTH) (S.Y.)	3A	1.5" DEPTH SUPERPAVE WEARING COURSE (S.Y.)
1B	BITUMINOUS MILLING AND PROFILING (4" AVG. DEPTH) (S.Y.)	3B	1/2" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)
2A	2.5" AVG. DEPTH SUPERPAVE BINDER LEVELING COURSE (TONS)	4	BASE REPAIR (INCLUDING EXCAVATION) (S.Y.)
2B	3/4" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)	5	BITUMINOUS SEAL COAT (DOUBLE APPLICATION) (SY)
		6	EXISTING STORM SEWER AND SYSTEM MAINTENANCE (LS)

STREET RATING	WEIGHTED STREET RATING	YEAR LAST RESURFACED	STREET	TERMINI		LENGTH (FT)	WIDTH (FT)	AREA (SY)	METHOD OF RESURFACE			COMMENTS	ITEM 1A \$3.00	ITEM 1B \$3.50	ITEM 2A \$85.00	ITEM 2B \$90.00	ITEM 3A \$8.50	ITEM 3B \$90.00	ITEM 4 \$45.00	ITEM 5 \$5.00	ITEM 6 5%	ROADWAY TOTAL
				FROM:	TO:				MILL / SCRATCH / WEARING	MILL / BINDER / WEARING	TAR AND CHIP											
5	5.00		Parkside Drive	Lakeview Drive	Cul-de-Sac	400	24	1,067		x			0	1,067	161	0	1,067	0	213	0	\$2,000	\$36,092
5	5.00		Pheasant Rise Court	Hunting Ridge Road	Cul-de-Sac	370	24	987		x			0	987	149	0	987	0	197	0	\$2,000	\$33,392
5	5.00	2001	Pine Creek Drive	Hickory Grade Road	Cul-de-Sac	422	26	1,219		x			0	1,219	184	0	1,219	0	244	0	\$2,500	\$41,239
5	5.00		Pinewood Drive	Firwood Drive	Boxwood Drive	422	24	1,125		x			0	1,125	170	0	1,125	0	225	0	\$2,000	\$38,075
5	5.00	2003	Ruth Way	Petricca Drive	Gene Court	317	26	916		x			0	916	139	0	916	0	183	0	\$2,000	\$31,051
5	5.00	1998	Rutherglen Drive	Battle Ridge Road	Grail Hill Court	158	26	456		x			0	456	69	0	456	0	91	0	\$1,000	\$15,441
5	5.00	1998	Rutherglen Drive	Grail Hill Court	Old Fayette Trail	264	26	763		x			0	763	115	0	763	0	153	0	\$1,500	\$25,798
5	5.00	1998	Rutherglen Drive	Old Fayette Trail	Crab Orchard Court	370	26	1,069		x			0	1,069	162	0	1,069	0	214	0	\$2,000	\$36,219
5	5.00	1998	Rutherglen Drive	Crab Orchard Court	Turnberry Drive	317	26	916		x			0	916	139	0	916	0	183	0	\$2,000	\$31,051
5	5.00		Scotch Hill Road	East Street	Massaro Place	2,798	12	3,731		x			0	3,731	564	0	3,731	0	746	0	\$6,500	\$126,291
5	5.00		Stuart Circle	Battery Drive South	Cul-de-Sac	581	24	1,549		x			0	1,549	234	0	1,549	0	310	0	\$3,000	\$52,419
5	5.00	1993	Summit Ridge Drive	Harvest Court	Enfield Court	317	22	775		x			0	775	117	0	775	0	155	0	\$1,500	\$26,220
5	5.00	1993	Summit Ridge Drive	Horseshoe Court	Harvest Court	1,637	22	4,002		x			0	4,002	605	0	4,002	0	800	0	\$7,000	\$135,467
5	5.00	1993	Summit Ridge Drive	Horseshoe Court	Horseshoe Court	264	22	645		x			0	645	98	0	645	0	129	0	\$1,500	\$21,875
5	5.00	1993	Summit Ridge Drive	Horseshoe Court	Meeting House Road	158	22	386		x			0	386	58	0	386	0	77	0	\$1,000	\$13,036
5	5.00	1998	Tiporary Court	Grail Hill Court	Cul-de-Sac	370	25	1,028		x			0	1,028	155	0	1,028	0	206	0	\$2,000	\$34,763
5	5.00	1992	Willowick Court	Hunting Ridge Trail	Turn Around	422	28	1,313		x			0	1,313	199	0	1,313	0	263	0	\$2,500	\$44,488
5	5.00	1999	Wood Creek Drive	Hickory Grade Road	Birch Court	898	26	2,594		x			0	2,594	392	0	2,594	0	519	0	\$4,500	\$87,794
5	5.00	1999	Wood Creek Drive	Birch Court	Maple Court	370	26	1,069		x			0	1,069	162	0	1,069	0	214	0	\$2,000	\$36,219
5	5.00	1999	Wood Creek Drive	Maple Court	Cul-de-Sac	581	26	1,678		x			0	1,678	254	0	1,678	0	336	0	\$3,000	\$56,828
6	5.76		Abele Road	Villani Drive	Old Pond Road	686	30	2,287		x			0	2,287	346	0	2,287	0	343	0	\$4,000	\$72,291
6	5.80	1996	Abele Road	Cul-de-sac	Emerson Lane	475	30	1,583		X			0	1,583	239	0	1,583	0	237	0	\$2,500	\$49,996
6	5.84		Abele Road	Emerson Lane	Villani Drive	528	30	1,760		X			0	1,760	266	0	1,760	0	264	0	\$3,000	\$55,610
6	5.84		Pond Court (South)	Cul-de-Sac	Portman Lane	211	24	563		x			0	563	85	0	563	0	84	0	\$1,000	\$17,781
6	5.88	2002	Oyster Bay Court	Cul-de-Sac	Caledonia Court	422	26	1,219		x			0	1,219	184	0	1,219	0	183	0	\$2,000	\$38,496
6	5.88		Pinewood Drive	Old Oak Drive	Firwood Drive	686	24	1,829		x			0	1,829	277	0	1,829	0	274	0	\$3,000	\$57,839
6	5.92	1993	Melrose Court	Washington Pike	Cul-de-Sac	898	24	2,395		x			0	2,395	362	0	2,395	0	359	0	\$4,000	\$75,676
6	6.00	1990	Anderson Avenue	Clyde Street	Hudson Avenue	370	16	658		x			0	658	100	0	658	0	99	0	\$1,500	\$20,838
6	6.00	1996	Appleglenn Court	Northridge Dr.	Cul-de-Sac	528	24	1,408		x			0	1,408	213	0	1,408	0	211	0	\$2,500	\$44,505
6	6.00	2002	Belle Terre Court	Hickory Grade Road	Caledonia Court	317	26	916		x			0	916	139	0	916	0	137	0	\$1,500	\$28,990
6	6.00	2002	Belle Terre Court	Caledonia Court	Cul-de-Sac	528	26	1,525		x			0	1,525	231	0	1,525	0	229	0	\$2,500	\$48,229
6	6.00	1996	Birch Court	Wood Creek Drive	Cul-de-Sac	317	26	916		x			0	916	139	0	916	0	137	0	\$1,500	\$28,990

**Table C - Rating Table (Neighborhood Roads)**  
**TOWNSHIP OF SOUTH FAYETTE**  
**ROAD STUDY**

PREPARED BY: LENNON, SMITH, SOULERET ENGINEERING, INC.  
 DATED: November 2015

RATING SYSTEM			
RATING	DESCRIPTION	RATING	DESCRIPTION
10	NEW CONSTRUCTION	5	MODERATE TO SEVERE RAVELING, TRANSVERSE CRACKING
9	RECENT OVERLAY, LIKE NEW	4	BLOCK CRACKING 25% TO 50%
8	RECENT OVERLAY, SOME REFLECTIVE CRACKING ONLY	3	BLOCK CRACKING OVER 50%, ALLIGATOR CRACKING LESS THAN 25% OF SURFACE
7	LITTLE OR SLIGHT CRACKING, SOME TRAFFIC WEAR	2	SEVERE DISTORTIONS, EXTENSIVE PATCHING, POTHOLES
6	SLIGHT RAVELING AND TRAFFIC WEAR, OCCASIONAL PATCHING	1	SEVERE DISTRESS, EXTENSIVE LOSS OF SURFACE INTEGRITY

STREET ITEMS			
ITEM #	DESCRIPTION	ITEM #	DESCRIPTION
1A	BITUMINOUS MILLING AND PROFILING (2" AVG. DEPTH) (S.Y.)	3A	1.5" DEPTH SUPERPAVE WEARING COURSE (S.Y.)
1B	BITUMINOUS MILLING AND PROFILING (4" AVG. DEPTH) (S.Y.)	3B	1/2" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)
2A	2.5" AVG. DEPTH SUPERPAVE BINDER LEVELING COURSE (TONS)	4	BASE REPAIR (INCLUDING EXCAVATION) (S.Y.)
2B	3/4" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)	5	BITUMINOUS SEAL COAT (DOUBLE APPLICATION) (SY)
		6	EXISTING STORM SEWER AND SYSTEM MAINTENANCE (LS)

STREET RATING	WEIGHTED STREET RATING	YEAR LAST RESURFACED	STREET	TERMINI		LENGTH (FT)	WIDTH (FT)	AREA (SY)	METHOD OF RESURFACE			COMMENTS	ITEM 1A \$3.00	ITEM 1B \$3.50	ITEM 2A \$85.00	ITEM 2B \$90.00	ITEM 3A \$8.50	ITEM 3B \$90.00	ITEM 4 \$45.00	ITEM 5 \$5.00	ITEM 6 5%	ROADWAY TOTAL
				FROM:	TO:				MILL / SCRATCH / WEARING	MILL / BINDER / WEARING	TAR AND CHIP											
6	6.00		Boxwood Drive	Lakemont Drive	Pinewood Drive	845	26	2,441		x			0	2,441	369	0	2,441	0	366	0	\$4,000	\$77,134
6	6.00	2002	Calidonia Sreet	Belle Terre Court	Oyster Bay Court	475	26	1,372		x			0	1,372	208	0	1,372	0	206	0	\$2,500	\$43,405
6	6.00	2002	Calidonia Sreet	Oyster Bay Court	Cul-de-sac	370	26	1,069		x			0	1,069	162	0	1,069	0	160	0	\$2,000	\$33,814
6	6.00	1997	Cannongate Drive	Old Oakdale Road	Lee Circle	317	24	845		x			0	845	128	0	845	0	127	0	\$1,500	\$26,724
6	6.00	1997	Cannongate Drive	Sherman Circle	Jackson Circle	370	24	987		x			0	987	149	0	987	0	148	0	\$2,000	\$31,171
6	6.00	1997	Cannongate Drive	Jackson Circle	Battery Drive North	317	24	845		x			0	845	128	0	845	0	127	0	\$1,500	\$26,724
6	6.00	1999	Chrismar Court	Boyce Road	Cul-de-Sac	370	26	1,069		x			0	1,069	162	0	1,069	0	160	0	\$2,000	\$33,814
6	6.00	1992	Clyde Street	Hudson Avenue	Anderson Avenue	211	16	375		x			0	375	57	0	375	0	56	0	\$1,000	\$11,876
6	6.00	2005	Crestwood Drive	Sterling Drive	Cul-de-Sac	739	26	2,135		x			0	2,135	323	0	2,135	0	320	0	\$3,500	\$67,486
6	6.00	2005	Emerson Lane	Abele Road	Cul-de-Sac	317	26	916		x			0	916	139	0	916	0	137	0	\$1,500	\$28,990
6	6.00		Fairview Drive	Washington Pike	Old Orchard Drive	528	24	1,408		x			0	1,408	213	0	1,408	0	211	0	\$2,500	\$44,505
6	6.00	1996	First Avenue	Dead End	Sygan Road	686	15	1,143		x			0	1,143	173	0	1,143	0	171	0	\$2,000	\$36,136
6	6.00	1996	First Avenue	Hook Street	Dead End	422	15	703		x			0	703	106	0	703	0	105	0	\$1,500	\$22,191
6	6.00	1992	Firwood Drive	Old Oak Drive	Greenwood Drive	475	24	1,267		x			0	1,267	192	0	1,267	0	190	0	\$2,500	\$40,076
6	6.00	2006	Forest Edge Drive	Forest View Drive	Forest Glen Court	686	26	1,982		x			0	1,982	300	0	1,982	0	297	0	\$3,500	\$62,663
6	6.00	2006	Forest Edge Drive	Forest Glen Court	Cul-de-Sac	634	26	1,832		x			0	1,832	277	0	1,832	0	275	0	\$3,000	\$57,895
6	6.00	2006	Forest Glenn Court	Forest Edge Drive	Cul-de-Sac	106	26	306		x			0	306	46	0	306	0	46	0	\$500	\$9,648
6	6.00		Forest Ridge Drive	Old Oakdale Road	Forest View Drive	845	26	2,441		x			0	2,441	369	0	2,441	0	366	0	\$4,000	\$77,134
6	6.00	2006	Forest Ridge Drive	Forest View Drive	Cul-de-Sac	686	26	1,982		x			0	1,982	300	0	1,982	0	297	0	\$3,500	\$62,663
6	6.00		Forest View Drive	Forest Ridge Drive	Forest Edge Drive	370	26	1,069		x			0	1,069	162	0	1,069	0	160	0	\$2,000	\$33,814
6	6.00		Forest View Drive	Forest Edge Drive	Terrace View Drive	739	26	2,135		x			0	2,135	323	0	2,135	0	320	0	\$3,500	\$67,486
6	6.00	1993	Freedom Drive North	Cul-de-sac	Washington Pike	370	15	617		x			0	617	93	0	617	0	93	0	\$1,000	\$19,474
6	6.00		Gander Circle	Lakeview Drive	Cul-de-Sac	317	26	916		x			0	916	139	0	916	0	137	0	\$1,500	\$28,990
6	6.00	2003	Gene Drive	Ruth Way	Cul-de-Sac	634	24	1,691		x			0	1,691	256	0	1,691	0	254	0	\$3,000	\$53,466
6	6.00	1997	Grant Circle	Cannongate Drive	Turn Around	264	24	704		x			0	704	106	0	704	0	106	0	\$1,500	\$22,210
6	6.00		Hook Street	First Avenue	Second Ave	158	22	386		x			0	386	58	0	386	0	58	0	\$1,000	\$12,168
6	6.00		Hook Street	Second Avenue	Third Avenue	317	22	775		x			0	775	117	0	775	0	116	0	\$1,500	\$24,476
6	6.00		Hook Street	Third Avenue	Fourth Avenue	317	22	775		x			0	775	117	0	775	0	116	0	\$1,500	\$24,476
6	6.00		Hook Street	Fourth Avenue	Fifth Avenue	317	22	775		x			0	775	117	0	775	0	116	0	\$1,500	\$24,476
6	6.00		Hook Street	Fifth Avenue	Sixth Avenue	264	22	645		x			0	645	98	0	645	0	97	0	\$1,500	\$20,424
6	6.00	1992	Hudson Avenue	Martha Avenue	Clyde Street	264	16	469		x			0	469	71	0	469	0	70	0	\$1,000	\$14,829
6	6.00	1992	Hudson Avenue	Clyde Street	Anderson Avenue	581	16	1,033		x			0	1,033	156	0	1,033	0	155	0	\$2,000	\$32,629

**Table C - Rating Table (Neighborhood Roads)**  
**TOWNSHIP OF SOUTH FAYETTE**  
**ROAD STUDY**

PREPARED BY: LENNON, SMITH, SOULERET ENGINEERING, INC.  
 DATED: November 2015

RATING SYSTEM			
RATING	DESCRIPTION	RATING	DESCRIPTION
10	NEW CONSTRUCTION	5	MODERATE TO SEVERE RAVELING, TRANSVERSE CRACKING
9	RECENT OVERLAY, LIKE NEW	4	BLOCK CRACKING 25% TO 50%
8	RECENT OVERLAY, SOME REFLECTIVE CRACKING ONLY	3	BLOCK CRACKING OVER 50%, ALLIGATOR CRACKING LESS THAN 25% OF SURFACE
7	LITTLE OR SLIGHT CRACKING, SOME TRAFFIC WEAR	2	SEVERE DISTORTIONS, EXTENSIVE PATCHING, POTHOLES
6	SLIGHT RAVELING AND TRAFFIC WEAR, OCCASIONAL PATCHING	1	SEVERE DISTRESS, EXTENSIVE LOSS OF SURFACE INTEGRITY

STREET ITEMS			
ITEM #	DESCRIPTION	ITEM #	DESCRIPTION
1A	BITUMINOUS MILLING AND PROFILING (2" AVG. DEPTH) (S.Y.)	3A	1.5" DEPTH SUPERPAVE WEARING COURSE (S.Y.)
1B	BITUMINOUS MILLING AND PROFILING (4" AVG. DEPTH) (S.Y.)	3B	1/2" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)
2A	2.5" AVG. DEPTH SUPERPAVE BINDER LEVELING COURSE (TONS)	4	BASE REPAIR (INCLUDING EXCAVATION) (S.Y.)
2B	3/4" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)	5	BITUMINOUS SEAL COAT (DOUBLE APPLICATION) (SY)
		6	EXISTING STORM SEWER AND SYSTEM MAINTENANCE (LS)

STREET RATING	WEIGHTED STREET RATING	YEAR LAST RESURFACED	STREET	TERMINI		LENGTH (FT)	WIDTH (FT)	AREA (SY)	METHOD OF RESURFACE			COMMENTS	ITEM 1A \$3.00	ITEM 1B \$3.50	ITEM 2A \$85.00	ITEM 2B \$90.00	ITEM 3A \$8.50	ITEM 3B \$90.00	ITEM 4 \$45.00	ITEM 5 \$5.00	ITEM 6 5%	ROADWAY TOTAL
				FROM:	TO:				MILL / SCRATCH / WEARING	MILL / BINDER / WEARING	TAR AND CHIP											
6	6.00	1992	Hunting Ridge Trail	Boyce Road	Big Meadow Road	475	24	1,267		x			0	1,267	192	0	1,267	0	190	0	\$2,500	\$40,076
6	6.00	1992	Hunting Ridge Trail	Big Meadow Road	Morning Wind Circle	264	24	704		x			0	704	106	0	704	0	106	0	\$1,500	\$22,210
6	6.00	1992	Hunting Ridge Trail	Morning Wind Circle	Morning Wind Circle	211	24	563		x			0	563	85	0	563	0	84	0	\$1,000	\$17,781
6	6.00	1992	Hunting Ridge Trail	Morning Wind Circle	Open Meadow Circle	1,003	24	2,675		x			0	2,675	405	0	2,675	0	401	0	\$4,500	\$84,581
6	6.00	1992	Hunting Ridge Trail	Open Meadow Circle	Fox Chase Court	158	24	421		x			0	421	64	0	421	0	63	0	\$1,000	\$13,334
6	6.00	1992	Hunting Ridge Trail	Fox Chase Court	Fox Chase Court	211	24	563		x			0	563	85	0	563	0	84	0	\$1,000	\$17,781
6	6.00	1992	Hunting Ridge Trail	Fox Chase Court	Big Meadow Road	2,006	24	5,349		x			0	5,349	809	0	5,349	0	802	0	\$8,500	\$169,059
6	6.00	1992	Hunting Ridge Trail	Big Meadow Road	Willowwick Court	1,901	24	5,069		x			0	5,069	767	0	5,069	0	760	0	\$8,500	\$160,239
6	6.00	1992	Hunting Ridge Trail	Willowwick Court	Ravenwood Drive	317	24	845		x			0	845	128	0	845	0	127	0	\$1,500	\$26,724
6	6.00	1992	Hunting Ridge Trail	Ravenwood Drive	Boyce Road	158	24	421		x			0	421	64	0	421	0	63	0	\$1,000	\$13,334
6	6.00	1997	Jackson Circle	Cannongate Drive	Turn Around	264	25	733		x			0	733	111	0	733	0	110	0	\$1,500	\$23,179
6	6.00	1989	Jeana Lane	Lakemont Drive	Cul-de-Sac	475	24	1,267		x			0	1,267	192	0	1,267	0	190	0	\$2,500	\$40,076
6	6.00	2002	Kingston Drive	Cul-de-sac	Princeton Drive	422	26	1,219		x			0	1,219	184	0	1,219	0	183	0	\$2,000	\$38,496
6	6.00	2002	Kingston Drive	Princeton Drive	Kingswood Lane	528	26	1,525		x			0	1,525	231	0	1,525	0	229	0	\$2,500	\$48,229
6	6.00	2002	Kingston Drive	Kingswood Lane	Cul-de-sac	370	26	1,069		x			0	1,069	162	0	1,069	0	160	0	\$2,000	\$33,814
6	6.00	2001	Kingswood Lane	Oak Ridge Road	Kingsbrook Drive	1,056	26	3,051		x			0	3,051	461	0	3,051	0	458	0	\$5,000	\$96,391
6	6.00		Mallard Drive	Lakemont Drive	Cul-de-Sac	634	24	1,691		x			0	1,691	256	0	1,691	0	254	0	\$3,000	\$53,466
6	6.00		Marley Way	Rahner-Wood Lane	Cul-de-Sac	600	26	1,733		x			0	1,733	262	0	1,733	0	260	0	\$3,000	\$54,764
6	6.00	1992	Martha Street	Anderson Avenue	Hudson Avenue	264	16	469		x			0	469	71	0	469	0	70	0	\$1,000	\$14,829
6	6.00	1992	Martha Street	Hudson Avenue	Dead End	106	16	188		x			0	188	28	0	188	0	28	0	\$500	\$5,905
6	6.00	1992	Mitchell Street	Orchard Drive	Wabash Avenue	317	20	704		x			0	704	106	0	704	0	106	0	\$1,500	\$22,210
6	6.00	1998	Mohawk Road	S. H. R. 978	S. H. R. 50	5,650	20	12,556		x			0	12,556	1,899	0	12,556	0	1,883	0	\$20,000	\$396,840
6	6.00	1996	Morgan Hill Road	West Bridge Drive	Millers Run Road	686	19	1,448		x			0	1,448	219	0	1,448	0	217	0	\$2,500	\$45,765
6	6.00	1997	Morgan Street	Morgan Hill Road	Oak Street	422	18	821		x			0	821	124	0	821	0	123	0	\$1,500	\$25,934
6	6.00	1997	Morgan Street	Oak Street	Elm Street	317	18	616		x			0	616	93	0	616	0	92	0	\$1,000	\$19,455
6	6.00	1997	Morgan Street	Park Entrance	Elm Street	317	18	616		x			0	616	93	0	616	0	92	0	\$1,000	\$19,455
6	6.00	1992	Myrtle Street	Seminary Avenue	Hudson Avenue	792	16	1,408		x			0	1,408	213	0	1,408	0	211	0	\$2,500	\$44,505
6	6.00		Northridge Drive	Oak Ridge Road	South Point Court	158	24	421		x			0	421	64	0	421	0	63	0	\$1,000	\$13,334
6	6.00		Northridge Drive	South Point Court	Appleglen Court	264	24	704		x			0	704	106	0	704	0	106	0	\$1,500	\$22,210
6	6.00		Northridge Drive	Appleglen Court	Pointview Drive	264	24	704		x			0	704	106	0	704	0	106	0	\$1,500	\$22,210
6	6.00		Northridge Drive	Pointview Drive	Cul-de-Sac	792	24	2,112		x			0	2,112	319	0	2,112	0	317	0	\$3,500	\$66,715
6	6.00	2002	Oak Wood Circle	Ruth Way	Cul-de-Sac	739	26	2,135		x			0	2,135	323	0	2,135	0	320	0	\$3,500	\$67,486



**Table C - Rating Table (Neighborhood Roads)**  
**TOWNSHIP OF SOUTH FAYETTE**  
**ROAD STUDY**

PREPARED BY: LENNON, SMITH, SOULERET ENGINEERING, INC.  
 DATED: November 2015

RATING SYSTEM			
RATING	DESCRIPTION	RATING	DESCRIPTION
10	NEW CONSTRUCTION	5	MODERATE TO SEVERE RAVELING, TRANSVERSE CRACKING
9	RECENT OVERLAY, LIKE NEW	4	BLOCK CRACKING 25% TO 50%
8	RECENT OVERLAY, SOME REFLECTIVE CRACKING ONLY	3	BLOCK CRACKING OVER 50%, ALLIGATOR CRACKING LESS THAN 25% OF SURFACE
7	LITTLE OR SLIGHT CRACKING, SOME TRAFFIC WEAR	2	SEVERE DISTORTIONS, EXTENSIVE PATCHING, POTHOLES
6	SLIGHT RAVELING AND TRAFFIC WEAR, OCCASIONAL PATCHING	1	SEVERE DISTRESS, EXTENSIVE LOSS OF SURFACE INTEGRITY

STREET ITEMS			
ITEM #	DESCRIPTION	ITEM #	DESCRIPTION
1A	BITUMINOUS MILLING AND PROFILING (2" AVG. DEPTH) (S.Y.)	3A	1.5" DEPTH SUPERPAVE WEARING COURSE (S.Y.)
1B	BITUMINOUS MILLING AND PROFILING (4" AVG. DEPTH) (S.Y.)	3B	1/2" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)
2A	2.5" AVG. DEPTH SUPERPAVE BINDER LEVELING COURSE (TONS)	4	BASE REPAIR (INCLUDING EXCAVATION) (S.Y.)
2B	3/4" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)	5	BITUMINOUS SEAL COAT (DOUBLE APPLICATION) (SY)
		6	EXISTING STORM SEWER AND SYSTEM MAINTENANCE (LS)

STREET RATING	WEIGHTED STREET RATING	YEAR LAST RESURFACED	STREET	TERMINI		LENGTH (FT)	WIDTH (FT)	AREA (SY)	METHOD OF RESURFACE			COMMENTS	ITEM 1A \$3.00	ITEM 1B \$3.50	ITEM 2A \$85.00	ITEM 2B \$90.00	ITEM 3A \$8.50	ITEM 3B \$90.00	ITEM 4 \$45.00	ITEM 5 \$5.00	ITEM 6 5%	ROADWAY TOTAL
				FROM:	TO:				MILL / SCRATCH / WEARING	MILL / BINDER / WEARING	TAR AND CHIP											
6	6.00		Old Orchard Drive	Fairview	Red Rome Circle West	370	24	987		x			0	987	149	0	987	0	148	0	\$2,000	\$31,171
6	6.00		Old Orchard Drive	Red Rome Circle West	Red Rome Circle East	370	24	987		x			0	987	149	0	987	0	148	0	\$2,000	\$31,171
6	6.00		Old Orchard Drive	Red Rome Circle East	Winesap Court	317	24	845		x			0	845	128	0	845	0	127	0	\$1,500	\$26,724
6	6.00		Old Orchard Drive	Winesap Court	Russets Circle	475	24	1,267		x			0	1,267	192	0	1,267	0	190	0	\$2,500	\$40,076
6	6.00	2002	Oyster Bay Court	Calendonia Court	Cul-de-Sac	950	26	2,744		x			0	2,744	415	0	2,744	0	412	0	\$4,500	\$86,725
6	6.00	2003	Petricca Drive	Cul-de-Sac	Ruth Way	264	24	704		x			0	704	106	0	704	0	106	0	\$1,500	\$22,210
6	6.00	2003	Petricca Drive	Ruth Way	Oakridge Drive	422	24	1,125		x			0	1,125	170	0	1,125	0	169	0	\$2,000	\$35,544
6	6.00	2002	Pin Oak Drive	Oak Ridge Road	Cul-de-Sac	686	26	1,982		x			0	1,982	300	0	1,982	0	297	0	\$3,500	\$62,663
6	6.00		Pinewood Drive	Boxwood Drive	Lakemont Drive	317	24	845		x			0	845	128	0	845	0	127	0	\$1,500	\$26,724
6	6.00		Pinewood Drive	Lakemont Drive	Washington Pike	634	24	1,691		x			0	1,691	256	0	1,691	0	254	0	\$3,000	\$53,466
6	6.00		Pointview Drive	Northridge Drive	Cul-de-Sac	845	24	2,253		x			0	2,253	341	0	2,253	0	338	0	\$4,000	\$71,229
6	6.00		Pond Court (North)	Portman Lane	Cul-de-Sac	158	24	421		x			0	421	64	0	421	0	63	0	\$1,000	\$13,334
6	6.00	2002	Princeton Drive	Kingston Drive	Cul-de-Sac	370	26	1,069		x			0	1,069	162	0	1,069	0	160	0	\$2,000	\$33,814
6	6.00		Red Rome Circle (E&W)	Olde Orchard	Olde Orchard	950	24	2,533		x			0	2,533	383	0	2,533	0	380	0	\$4,500	\$80,049
6	6.00		Ridgeview Drive	Cul-de-Sac	Oakridge Road	317	24	845		x			0	845	128	0	845	0	127	0	\$1,500	\$26,724
6	6.00		Russets Circle East	Cul-de-Sac	Olde Orchard	158	24	421		x			0	421	64	0	421	0	63	0	\$1,000	\$13,334
6	6.00		Russets Circle West	Cul-de-Sac	Olde Orchard	422	24	1,125		x			0	1,125	170	0	1,125	0	169	0	\$2,000	\$35,544
6	6.00	2003	Ruth Way	Gene Court	Oak Wood Circle	898	26	2,594		x			0	2,594	392	0	2,594	0	389	0	\$4,500	\$81,958
6	6.00	2006	Rutherqlen Drive	Turnberry Drive	Cul-de-Sac	792	26	2,288		x			0	2,288	346	0	2,288	0	343	0	\$4,000	\$72,310
6	6.00		Scotch Hill Road	Massaro Place	Marshall Road	845	12	1,127		x			0	1,127	170	0	1,127	0	169	0	\$2,000	\$35,581
6	6.00		Second Avenue	Dead End	Sygan Road	317	21	740		x			0	740	112	0	740	0	111	0	\$1,500	\$23,395
6	6.00		Second Avenue	Sygan Road	Hook Street	264	21	616		x			0	616	93	0	616	0	92	0	\$1,000	\$19,455
6	6.00		Second Avenue	Hook Street	Verner Street	1,267	21	2,956		x			0	2,956	447	0	2,956	0	443	0	\$5,000	\$93,420
6	6.00	1997	Sherman Circle	Cannongate Dr.	Turn Around	264	24	704		x			0	704	106	0	704	0	106	0	\$1,500	\$22,210
6	6.00		Sixth Avenue	Hook Street	Dead End	634	20	1,409		x			0	1,409	213	0	1,409	0	211	0	\$2,500	\$44,524
6	6.00		South Point Court	Northridge Drive	Cul-de-Sac	422	24	1,125		x			0	1,125	170	0	1,125	0	169	0	\$2,000	\$35,544
6	6.00	2005	Sterling Drive	Battleridge Road	Crestwood Drive	1,214	26	3,507		x			0	3,507	530	0	3,507	0	526	0	\$6,000	\$110,806
6	6.00		Sterling Drive	Crestwood Drive	Cul-de-Sac	1,267	26	3,660		x			0	3,660	554	0	3,660	0	549	0	\$6,000	\$115,715
6	6.00	2006	Sunridge Drive	Old Oakdale Road	Cul-de-Sac	528	26	1,525		x			0	1,525	231	0	1,525	0	229	0	\$2,500	\$48,229
6	6.00	1996	Swan Drive	Lakemont Dr.	Cul-de-Sac	475	24	1,267		x			0	1,267	192	0	1,267	0	190	0	\$2,500	\$40,076
6	6.00		Terrance View Drive	Cul-de-Sac	Forest View Drive	106	26	306		x			0	306	46	0	306	0	46	0	\$500	\$9,648
6	6.00		Terrance View Drive	Forest View Drive	Cul-de-Sac	845	26	2,441		x			0	2,441	369	0	2,441	0	366	0	\$4,000	\$77,134

**Table C - Rating Table (Neighborhood Roads)**  
**TOWNSHIP OF SOUTH FAYETTE**  
**ROAD STUDY**

PREPARED BY: LENNON, SMITH, SOULERET ENGINEERING, INC.  
 DATED: November 2015

RATING SYSTEM			
RATING	DESCRIPTION	RATING	DESCRIPTION
10	NEW CONSTRUCTION	5	MODERATE TO SEVERE RAVELING, TRANSVERSE CRACKING
9	RECENT OVERLAY, LIKE NEW	4	BLOCK CRACKING 25% TO 50%
8	RECENT OVERLAY, SOME REFLECTIVE CRACKING ONLY	3	BLOCK CRACKING OVER 50%, ALLIGATOR CRACKING LESS THAN 25% OF SURFACE
7	LITTLE OR SLIGHT CRACKING, SOME TRAFFIC WEAR	2	SEVERE DISTORTIONS, EXTENSIVE PATCHING, POTHOLES
6	SLIGHT RAVELING AND TRAFFIC WEAR, OCCASIONAL PATCHING	1	SEVERE DISTRESS, EXTENSIVE LOSS OF SURFACE INTEGRITY

STREET ITEMS			
ITEM #	DESCRIPTION	ITEM #	DESCRIPTION
1A	BITUMINOUS MILLING AND PROFILING (2" AVG. DEPTH) (S.Y.)	3A	1.5" DEPTH SUPERPAVE WEARING COURSE (S.Y.)
1B	BITUMINOUS MILLING AND PROFILING (4" AVG. DEPTH) (S.Y.)	3B	1/2" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)
2A	2.5" AVG. DEPTH SUPERPAVE BINDER LEVELING COURSE (TONS)	4	BASE REPAIR (INCLUDING EXCAVATION) (S.Y.)
2B	3/4" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)	5	BITUMINOUS SEAL COAT (DOUBLE APPLICATION) (SY)
		6	EXISTING STORM SEWER AND SYSTEM MAINTENANCE (LS)

STREET RATING	WEIGHTED STREET RATING	YEAR LAST RESURFACED	STREET	TERMINI		LENGTH (FT)	WIDTH (FT)	AREA (SY)	METHOD OF RESURFACE			COMMENTS	ITEM 1A \$3.00	ITEM 1B \$3.50	ITEM 2A \$85.00	ITEM 2B \$90.00	ITEM 3A \$8.50	ITEM 3B \$90.00	ITEM 4 \$45.00	ITEM 5 \$5.00	ITEM 6 5%	ROADWAY TOTAL
				FROM:	TO:				MILL / SCRATCH / WEARING	MILL / BINDER / WEARING	TAR AND CHIP											
6	6.00	1995	Third Avenue	Dead End	Hook Street	634	20	1,409		x			0	1,409	213	0	1,409	0	211	0	\$2,500	\$44,524
6	6.00	1995	Third Avenue	Hook Street	Dead End	211	20	469		x			0	469	71	0	469	0	70	0	\$1,000	\$14,829
6	6.00	2006	Turnberry Drive	Rutherqlen Drive	Cul-de-Sac	1,109	26	3,204		x			0	3,204	485	0	3,204	0	481	0	\$5,500	\$101,300
6	6.00	1992	Wabash Avenue	Orchard Drive	Sherman Street	898	20	1,996		x			0	1,996	302	0	1,996	0	299	0	\$3,500	\$63,095
6	6.00	1992	Wabash Avenue	Mitchell Street	Alexander Street	211	20	469		x			0	469	71	0	469	0	70	0	\$1,000	\$14,829
6	6.00	2001	Wabash Avenue	Alexander Street	Millers Run Rooda	739	20	1,642		x			0	1,642	248	0	1,642	0	246	0	\$3,000	\$51,868
6	6.00	2005	Willowbrook Drive	Mayview Road	Weeping Willow Court	2,323	26	6,711		x			0	6,711	1,015	0	6,711	0	1,007	0	\$11,000	\$212,106
6	6.00		Winesap Court	Olde Orchard	Turn Around	581	24	1,549		x			0	1,549	234	0	1,549	0	232	0	\$2,500	\$48,934
6	6.00	2006	Woodbridge Drive	Battle Ridge Road	Cul-de-Sac	1,056	26	3,051		x			0	3,051	461	0	3,051	0	458	0	\$5,000	\$96,391
6	6.00	2002	Worthington Court	Hickory Grade Road	Cul-de-Sac	581	26	1,678		x			0	1,678	254	0	1,678	0	252	0	\$3,000	\$53,053
7	7.00	2013	Bella Danyella Court	Christine Court	Cul-de-Sac	870	26	2,513		x			0	2,513	380	0	2,513	0	251	0	\$4,000	\$73,765
7	7.00	2013	Christine Court	Cul-de-Sac	Cul-de-Sac	1,840	26	5,316		x			0	5,316	804	0	5,316	0	532	0	\$8,000	\$156,054
7	7.00		David Drive	Sharalyn Drive	Cul-de-Sac	686	26	1,982		x			0	1,982	300	0	1,982	0	198	0	\$3,000	\$58,203
7	7.00	1992	Firwood Drive	Greenwood Drive	Pinewood Drive	1,003	24	2,675		x			0	2,675	405	0	2,675	0	268	0	\$4,000	\$78,563
7	7.00	1990	Hickory Heights Drive	Muirfield Court	Oakmont Court	2,376	24	6,336		x			0	6,336	958	0	6,336	0	634	0	\$9,500	\$185,974
7	7.00	1990	Hickory Heights Drive	Oakmont Court	Merion Court	422	24	1,125		x			0	1,125	170	0	1,125	0	113	0	\$2,000	\$33,013
7	7.00	1990	Hickory Heights Drive	Merion Court	Cul-de-Sac	792	24	2,112		x			0	2,112	319	0	2,112	0	211	0	\$3,500	\$61,963
7	7.00	1990	Hickory Heights Drive	Alpine Road	Muirfield Court	634	24	1,691		x			0	1,691	256	0	1,691	0	169	0	\$2,500	\$49,662
7	7.00	1989	Lakemont Drive	Pinewood Drive	Lakeview Drive	422	14	656		x			0	656	99	0	656	0	66	0	\$1,000	\$19,239
7	7.00	1989	Lakemont Drive	Lakeview Drive	Boxwood Drive	370	24	987		x			0	987	149	0	987	0	99	0	\$1,500	\$28,951
7	7.00	1989	Lakemont Drive	Boxwood Drive	Jeana Lane	739	24	1,971		x			0	1,971	298	0	1,971	0	197	0	\$3,000	\$57,852
7	7.00	1989	Lakemont Drive	Jeana Lane	Mallard Drive	264	24	704		x			0	704	106	0	704	0	70	0	\$1,500	\$20,626
7	7.00	1989	Lakemont Drive	Mallard Drive	Swan Drive	158	24	421		x			0	421	64	0	421	0	42	0	\$1,000	\$12,387
7	7.00	1989	Lakemont Drive	Swan Drive	Lakeview Drive	317	24	845		x			0	845	128	0	845	0	85	0	\$1,500	\$24,823
7	7.00	1989	Lakeview Drive	Lakemont Drive	Parkside Drive	370	24	987		x			0	987	149	0	987	0	99	0	\$1,500	\$28,951
7	7.00	1989	Lakeview Drive	Parkside Drive	Lakemont Drive	370	24	987		x			0	987	149	0	987	0	99	0	\$1,500	\$28,951
7	7.00	2013	Lindsay Lane	Christine Court	Cul-de-Sac	1,340	26	3,871		x			0	3,871	585	0	3,871	0	387	0	\$6,000	\$113,597
7	7.00	2003	Meeting House Road	Wheatland Circle	Sharps Circle	317	24	845		x			0	845	128	0	845	0	85	0	\$1,500	\$24,823
7	7.00	2003	Meeting House Road	Sharps Circle	Sharps Circle	158	24	421		x			0	421	64	0	421	0	42	0	\$1,000	\$12,387
7	7.00	2003	Meeting House Road	Goldenrod Court	Hunting Ridge Road	317	24	845		x			0	845	128	0	845	0	85	0	\$1,500	\$24,823
7	7.00	2012	Montville Drive	Berkshire Blvd.	Cul-de-Sac	1,095	26	3,163		x			0	3,163	478	0	3,163	0	316	0	\$5,000	\$92,820
7	7.00		Oakmont Court	Hickory Heights Dr.	Cul-de-Sac	317	50	1,761		x			0	1,761	266	0	1,761	0	176	0	\$3,000	\$51,667

**Table C - Rating Table (Neighborhood Roads)**  
**TOWNSHIP OF SOUTH FAYETTE**  
**ROAD STUDY**

PREPARED BY: LENNON, SMITH, SOULERET ENGINEERING, INC.  
 DATED: November 2015

RATING SYSTEM			
RATING	DESCRIPTION	RATING	DESCRIPTION
10	NEW CONSTRUCTION	5	MODERATE TO SEVERE RAVELING, TRANSVERSE CRACKING
9	RECENT OVERLAY, LIKE NEW	4	BLOCK CRACKING 25% TO 50%
8	RECENT OVERLAY, SOME REFLECTIVE CRACKING ONLY	3	BLOCK CRACKING OVER 50%, ALLIGATOR CRACKING LESS THAN 25% OF SURFACE
7	LITTLE OR SLIGHT CRACKING, SOME TRAFFIC WEAR	2	SEVERE DISTORTIONS, EXTENSIVE PATCHING, POTHOLES
6	SLIGHT RAVELING AND TRAFFIC WEAR, OCCASIONAL PATCHING	1	SEVERE DISTRESS, EXTENSIVE LOSS OF SURFACE INTEGRITY

STREET ITEMS			
ITEM #	DESCRIPTION	ITEM #	DESCRIPTION
1A	BITUMINOUS MILLING AND PROFILING (2" AVG. DEPTH) (S.Y.)	3A	1.5" DEPTH SUPERPAVE WEARING COURSE (S.Y.)
1B	BITUMINOUS MILLING AND PROFILING (4" AVG. DEPTH) (S.Y.)	3B	1/2" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)
2A	2.5" AVG. DEPTH SUPERPAVE BINDER LEVELING COURSE (TONS)	4	BASE REPAIR (INCLUDING EXCAVATION) (S.Y.)
2B	3/4" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)	5	BITUMINOUS SEAL COAT (DOUBLE APPLICATION) (SY)
		6	EXISTING STORM SEWER AND SYSTEM MAINTENANCE (LS)

STREET RATING	WEIGHTED STREET RATING	YEAR LAST RESURFACED	STREET	TERMINI		LENGTH (FT)	WIDTH (FT)	AREA (SY)	METHOD OF RESURFACE			COMMENTS	ITEM 1A \$3.00	ITEM 1B \$3.50	ITEM 2A \$85.00	ITEM 2B \$90.00	ITEM 3A \$8.50	ITEM 3B \$90.00	ITEM 4 \$45.00	ITEM 5 \$5.00	ITEM 6 5%	ROADWAY TOTAL
				FROM:	TO:				MILL / SCRATCH / WEARING	MILL / BINDER / WEARING	TAR AND CHIP											
7	7.00	1992	Old Oak Drive	Firewood Drive	Pinewood Drive	581	24	1,549		x			0	1,549	234	0	1,549	0	155	0	\$2,500	\$45,449
7	7.00	1992	Old Oak Drive	Pinewood Drive	Washington Pike	581	24	1,549		x			0	1,549	234	0	1,549	0	155	0	\$2,500	\$45,449
7	7.00		Portman Lane	Lakemont Drive	Pond Court (North & South	475	24	1,267		x			0	1,267	192	0	1,267	0	127	0	\$2,000	\$37,226
7	7.00		Portman Lane	Pound Ct. N.&S.	Cul-de-Sac	845	24	2,253		x			0	2,253	341	0	2,253	0	225	0	\$3,500	\$66,160
7	7.00		Sharalyn Drive	Hickory Grade Road	David Drive	1,267	26	3,660		x			0	3,660	554	0	3,660	0	366	0	\$5,500	\$107,480
7	7.00		Sharalyn Drive	David Drive	Cul-de-Sac	264	26	763		x			0	763	115	0	763	0	76	0	\$1,500	\$22,365
7	7.00	2012	Stockbridge Court	Berkshire Blvd.	Cul-de-Sac	625	26	1,806		x			0	1,806	273	0	1,806	0	181	0	\$3,000	\$53,004
7	7.00		Twin Ponds Lane	Washington Pike	Cul-de-Sac	660	26	1,907		x			0	1,907	288	0	1,907	0	191	0	\$3,000	\$55,946
8	7.75	2013	Hickory Heights Drive	Alpine Road	Muirfield Court	634	24	1,691		x			0	1,691	256	0	1,691	0	85	0	\$2,500	\$45,857
8	7.92	2013	Willow View Court	Willow Ridge Drive	Cul-de-Sac	270	26	780		x			0	780	118	0	780	0	39	0	\$1,500	\$21,145
8	7.92	2005	Willowbrook Drive	Weeping Willow Court	Cul-de-Sac	898	26	2,594		x			0	2,594	392	0	2,594	0	130	0	\$4,000	\$70,285
8	8.00	1999	Club View Drive	Alphine Road	Cul-de-Sac	2,640	26	7,627		x			0	7,627	1,154	0	7,627	0	381	0	\$10,500	\$206,775
8	8.00	2011	Longview Circle	Hickory Grade Road	Hickory Grade Road	3,175	26	9,172		x			0	9,172	1,387	0	9,172	0	459	0	\$12,500	\$248,596
8	8.00	2003	Meeting House Road	Washington Pike	Wheatland Circle	634	24	1,691		x			0	1,691	256	0	1,691	0	85	0	\$2,500	\$45,857
8	8.00	2003	Meeting House Road	Sharps Circle	Goldenrod Court	1,478	24	3,941		x			0	3,941	596	0	3,941	0	197	0	\$5,500	\$106,819
8	8.00	2003	Meeting House Road	Hunting Ridge Road	Summit Ridge Drive	370	24	987		x			0	987	149	0	987	0	49	0	\$1,500	\$26,730
8	8.00	2003	Meeting House Road	Summit Ridge Drive	Boyce Road	581	24	1,549		x			0	1,549	234	0	1,549	0	77	0	\$2,500	\$41,963
8	8.00	1992	Mitchell Street	Route 50	Orchard Drive	264	20	587		x			0	587	89	0	587	0	29	0	\$1,000	\$15,930
8	8.00		Muirfield Court	Hickory Heights Dr.	Cul-de-Sac	422	24	1,125		x			0	1,125	170	0	1,125	0	56	0	\$2,000	\$30,481
8	8.00	1999	Palomino Drive	Saddlewood Drive	Cul-de-Sac	686	26	1,982		x			0	1,982	300	0	1,982	0	99	0	\$3,000	\$53,744
8	8.00	2013	Parks Farm Road	Hickory Grade Road	Christine Court	230	26	664		x			0	664	100	0	664	0	33	0	\$1,000	\$17,962
8	8.00	1999	Saddlewood Drive	Washington Pike	Palomino Drive	1,109	26	3,204		x			0	3,204	485	0	3,204	0	160	0	\$4,500	\$86,882
8	8.00	1999	Saddlewood Drive	Palomino Drive	Cul-de-Sac	317	26	916		x			0	916	139	0	916	0	46	0	\$1,500	\$24,868
8	8.00	2013	Weeping Willow Court	Willowbrook Drive	Cul-de-Sac	1,090	26	3,149		x			0	3,149	476	0	3,149	0	157	0	\$4,500	\$85,333
8	8.00	2013	Willow Ridge Drive	Weeping Willow Drive	Cul-de-Sac	1,060	26	3,062		x			0	3,062	463	0	3,062	0	153	0	\$4,500	\$82,989
9	9.00	2001	Augusta Drive	Cul-de-Sac	Cypress Lane	1,003	26	2,898		x			2,898	0	0	143	2,898	0	58	0	\$2,500	\$48,805
9	9.00	2001	Augusta Drive	Cypress Lane	Pine Valley Drive	1,056	26	3,051		x			3,051	0	0	151	3,051	0	61	0	\$3,000	\$51,422
9	9.00	2001	Cypress Court	Augusta Drive	Cul-de-Sac	475	26	1,372		x			1,372	0	0	68	1,372	0	27	0	\$1,500	\$23,133
9	9.00	2002	Oak Tree Court	Pine Valley Drive	Cul-de-Sac	581	26	1,678		x			1,678	0	0	83	1,678	0	34	0	\$1,500	\$28,277
9	9.00	2001	Pine Valley Drive	Oak Tree Court	Augusta Drive	2,534	26	7,320		x			7,320	0	0	362	7,320	0	146	0	\$6,500	\$123,348
9	9.00	2001	Pine Valley Drive	Augusta Drive	Hickory Grade Road	1,056	26	3,051		x			3,051	0	0	151	3,051	0	61	0	\$3,000	\$51,422
9	9.00	2014	Windsor Court	Cul-de-Sac	Cul-de-Sac	520	26	1,502		x			1,502	0	0	74	1,502	0	30	0	\$1,500	\$25,285

Table C - Rating Table (Neighborhood Roads)  
**TOWNSHIP OF SOUTH FAYETTE**  
 ROAD STUDY

PREPARED BY: LENNON, SMITH, SOULERET ENGINEERING, INC.  
 DATED: November 2015

RATING SYSTEM			
RATING	DESCRIPTION	RATING	DESCRIPTION
10	NEW CONSTRUCTION	5	MODERATE TO SEVERE RAVELING, TRANSVERSE CRACKING
9	RECENT OVERLAY, LIKE NEW	4	BLOCK CRACKING 25% TO 50%
8	RECENT OVERLAY, SOME REFLECTIVE CRACKING ONLY	3	BLOCK CRACKING OVER 50%, ALLIGATOR CRACKING LESS THAN 25% OF SURFACE
7	LITTLE OR SLIGHT CRACKING, SOME TRAFFIC WEAR	2	SEVERE DISTORTIONS, EXTENSIVE PATCHING, POTHOLES
6	SLIGHT RAVELING AND TRAFFIC WEAR, OCCASIONAL PATCHING	1	SEVERE DISTRESS, EXTENSIVE LOSS OF SURFACE INTEGRITY

STREET ITEMS			
ITEM #	DESCRIPTION	ITEM #	DESCRIPTION
1A	BITUMINOUS MILLING AND PROFILING (2" AVG. DEPTH) (S.Y.)	3A	1.5" DEPTH SUPERPAVE WEARING COURSE (S.Y.)
1B	BITUMINOUS MILLING AND PROFILING (4" AVG. DEPTH) (S.Y.)	3B	1/2" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)
2A	2.5" AVG. DEPTH SUPERPAVE BINDER LEVELING COURSE (TONS)	4	BASE REPAIR (INCLUDING EXCAVATION) (S.Y.)
2B	3/4" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)	5	BITUMINOUS SEAL COAT (DOUBLE APPLICATION) (SY)
		6	EXISTING STORM SEWER AND SYSTEM MAINTENANCE (LS)

STREET RATING	WEIGHTED STREET RATING	YEAR LAST RESURFACED	STREET	TERMINI		LENGTH (FT)	WIDTH (FT)	AREA (SY)	METHOD OF RESURFACE			COMMENTS	ITEM 1A \$3.00	ITEM 1B \$3.50	ITEM 2A \$85.00	ITEM 2B \$90.00	ITEM 3A \$8.50	ITEM 3B \$90.00	ITEM 4 \$45.00	ITEM 5 \$5.00	ITEM 6 5%	ROADWAY TOTAL		
				FROM:	TO:				MILL / SCRATCH / WEARING	MILL / BINDER / WEARING	TAR AND CHIP													
9	9.00	2014	Windsor Drive	Berkshire Blvd.	Windsor Court	970	26	2,802	x				2,802	0	0	139	2,802	0	56	0	\$2,500	\$47,255		
10	10.00	2014	Cemetery Hill Road	McVey Street	Magnolia Avenue	317	18	634	x				634	0	0	31	634	0	0	0	\$1,000	\$10,081		
10	10.00	2014	Cemetery Hill Road	Magnolia Avenue	Main Street	158	18	316	x				316	0	0	16	316	0	0	0	\$500	\$5,074		
10	10.00	2014	Cemetery Hill Road	Main Street	McNary Street	370	18	740	x				740	0	0	37	740	0	0	0	\$1,000	\$11,840		
10	10.00	2014	Cemetery Hill Road	McNary Street	N Fayette TWP Line	2,851	18	5,702	x				5,702	0	0	282	5,702	0	0	0	\$5,000	\$90,953		
10	10.00	2014	Empire Drive (formally)	Washington Pike	Cul-de-Sac	1,003	24	2,675	x				2,675	0	0	132	2,675	0	0	0	\$2,500	\$42,643		
10	10.00	2014	Fieldcrest Drive	Washington Pike	Cul-de-Sac	1,330	26	3,842	x				3,842	0	0	190	3,842	0	0	0	\$3,500	\$61,283		
10	10.00	2014	Firwood Drive	Old Oak Drive	Woodhaven Dr.	317	24	845	x				845	0	0	42	845	0	0	0	\$1,000	\$13,498		
10	10.00	2014	Gneiss Drive	Granite Ridge Drive	Cul-de-Sac	790	26	2,282	x				2,282	0	0	113	2,282	0	0	0	\$2,000	\$36,413		
10	10.00	2014	Granite Ridge Drive	Robinson Run Road	Sandstone Drive	950	26	2,744	x				2,744	0	0	136	2,744	0	0	0	\$2,500	\$43,796		
10	10.00	2014	Greenwood Drive	Woodhaven Drive	Firwood Drive	2,112	24	5,632	x				5,632	0	0	279	5,632	0	0	0	\$4,500	\$89,878		
10	10.00	2014	Greenwood Drive	Woodhaven Drive	Lawshadow Drive	845	24	2,253	x				2,253	0	0	112	2,253	0	0	0	\$2,000	\$35,990		
10	10.00	2014	Greenwood Drive	Lawshadow Drive	Meadow Drive	1,584	24	4,224	x				4,224	0	0	209	4,224	0	0	0	\$3,500	\$67,386		
10	10.00	2014	Greenwood Drive	Meadow Drive	Firwood	422	24	1,125	x				1,125	0	0	56	1,125	0	0	0	\$1,000	\$17,978		
10	10.00	2014	Lawshadow Drive	Boyce Road	Greenwood Drive	686	24	1,829	x				1,829	0	0	91	1,829	0	0	0	\$1,500	\$29,224		
10	10.00	2014	Lawshadow Drive	Greenwood Drive	Woodhaven Drive	317	24	845	x				845	0	0	42	845	0	0	0	\$1,000	\$13,498		
10	10.00	2014	Meadow Drive	Old Oak Drive	Greenwood Drive	845	24	2,253	x				2,253	0	0	112	2,253	0	0	0	\$2,000	\$35,990		
10	10.00	2014	Old Oak Drive	Meadow Drive	Firwood Drive	475	24	1,267	x				1,267	0	0	63	1,267	0	0	0	\$1,500	\$20,241		
10	10.00	2014	Sandstone Drive	Granite Drive	Incomplete	1,480	26	4,276	x				4,276	0	0	212	4,276	0	0	0	\$3,500	\$68,254		
10	10.00	2014	Springhouse Place	Washington Pike	Springhouse Place	792	22	1,936	x				1,936	0	0	96	1,936	0	0	0	\$2,000	\$30,904		
10	10.00	2014	Springhouse Place	Springhouse Pl.	Springhouse Place	1,373	22	3,356	x				3,356	0	0	166	3,356	0	0	0	\$3,000	\$53,534		
10	10.00	2014	Woodhaven Drive	Greenwood Drive	Lawshadow Drive	1,003	24	2,675	x				2,675	0	0	132	2,675	0	0	0	\$2,500	\$42,643		
10	10.00	2014	Woodhaven Drive	Lawshadow Drive	Firwood Drive	739	24	1,971	x				1,971	0	0	98	1,971	0	0	0	\$2,000	\$31,487		
<b>TOTALS</b>													77,096	418,736	63,326	4,143	495,832	235	67,828	6,571				
													<b>SUBTOTAL PAVING COST</b>		<b>\$14,773,288.00</b>									
													<b>SUBTOTAL STORM SEWER COST</b>		<b>\$811,000.00</b>									
													<b>15% CONTINGENCY</b>		<b>\$2,337,643.20</b>									
													<b>TOTAL COST</b>		<b>\$17,921,931.20</b>									

**APPENDIX A**  
**TABLE D**  
**LOCAL ROADS**

**Table D - Rating Table (Local Roads)**  
**TOWNSHIP OF SOUTH FAYETTE**  
**ROAD STUDY**

PREPARED BY: LENNON, SMITH, SOULERET ENGINEERING, INC.  
 DATED: November 2015

RATING SYSTEM			
RATING	DESCRIPTION	RATING	DESCRIPTION
10	NEW CONSTRUCTION	5	MODERATE TO SEVERE RAVELING, TRANSVERSE CRACKING
9	RECENT OVERLAY, LIKE NEW	4	BLOCK CRACKING 25% TO 50%
8	RECENT OVERLAY, SOME REFLECTIVE CRACKING ONLY	3	BLOCK CRACKING OVER 50%, ALLIGATOR CRACKING LESS THAN 25% OF SURFACE
7	LITTLE OR SLIGHT CRACKING, SOME TRAFFIC WEAR	2	SEVERE DISTORTIONS, EXTENSIVE PATCHING, POTHOLES
6	SLIGHT RAVELING AND TRAFFIC WEAR, OCCASIONAL PATCHING	1	SEVERE DISTRESS, EXTENSIVE LOSS OF SURFACE INTEGRITY

STREET ITEMS			
ITEM #	DESCRIPTION	ITEM #	DESCRIPTION
1A	BITUMINOUS MILLING AND PROFILING (2" AVG. DEPTH) (S.Y.)	3A	1.5" DEPTH SUPERPAVE WEARING COURSE (S.Y.)
1B	BITUMINOUS MILLING AND PROFILING (4" AVG. DEPTH) (S.Y.)	3B	1/2" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)
2A	2.5" AVG. DEPTH SUPERPAVE BINDER LEVELING COURSE (TONS)	4	BASE REPAIR (INCLUDING EXCAVATION) (S.Y.)
2B	3/4" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)	5	BITUMINOUS SEAL COAT (DOUBLE APPLICATION) (SY)
		6	EXISTING STORM SEWER AND SYSTEM MAINTENANCE (LS)

STREET RATING	WEIGHTED STREET RATING	YEAR LAST RESURFACED	STREET	TERMINI		LENGTH (FT)	WIDTH (FT)	AREA (SY)	METHOD OF RESURFACE			COMMENTS	ITEM 1A \$3.00	ITEM 1B \$3.50	ITEM 2A \$85.00	ITEM 2B \$90.00	ITEM 3A \$8.50	ITEM 3B \$90.00	ITEM 4 \$45.00	ITEM 5 \$5.00	ITEM 6 5%	ROADWAY TOTAL
				FROM:	TO:				MILL / SCRATCH / WEARING	MILL / BINDER / WEARING	TAR AND CHIP											
1	1.00	1996	Bowman Road	Hickory Grade Road	Coal Pit Run Road	6,758	15	11,263			x		0	0	0	558	0	403	4,505	11,263	\$17,500	\$345,539
1	1.00	1998	Cecil Reising Road	Washington County Line	McDonald Borough Line	9,398	20	20,884			x		0	0	0	1,034	0	747	8,354	20,884	\$32,500	\$640,622
1	1.00	1998	Cecil -Sturgeon Road	Sunset Lane	Riggerts Hill Road	2,851	20	6,336			x		0	0	0	314	0	227	2,534	6,336	\$10,000	\$194,418
1	1.00		Reising Road	Cecil Twp. Line	Rigerts Hill Road	4,330	14	6,736			x		0	0	0	333	0	241	2,694	6,736	\$10,500	\$206,588
1	1.00		Rigerts Hill Road	Reising Road	Cecil-Sturgeon Road	1,954	14	3,040			x		0	0	0	150	0	109	1,216	3,040	\$5,000	\$93,230
1	1.00		Sunset Lane	Cecil-Sturgeon Road	Robinson Road	2,006	14	3,120			x		0	0	0	154	0	112	1,248	3,120	\$5,000	\$95,700
2	2.00	1998	Cecil -Sturgeon Road	Robinson Run Road	Sunset Lane	686	20	1,524			x		0	0	0	75	0	54	533	1,524	\$2,500	\$43,233
2	2.00	1998	Cecil -Sturgeon Road	Riggerts Hill Road	Millers Run Road	13,781	20	30,624			x		0	0	0	1,516	0	1,095	10,718	30,624	\$44,000	\$870,438
2	2.00	1998	Coal Pitt Run Road	Alpine Road	Bowman Road	4,858	15	8,097			x		0	0	0	401	0	289	2,834	8,097	\$12,000	\$230,113
2	2.00		Jonagold Drive	Morgan Street	Morgan Street	2,112	16	3,755			x		0	3,755	568	0	3,755	0	1,314	0	\$8,000	\$152,481
2	2.00	2001	Pinch Road	Dutch Hill Road	Pinch Road Ext	317	14	493			x		0	0	0	24	0	18	173	493	\$1,000	\$14,010
2	2.00		Pinch Road Ext	Thomas Run Road	Dutch Hill Road	1,214	14	1,888			x		0	0	0	93	0	67	661	1,888	\$3,000	\$53,576
3	3.00	2001	Gilmore Hill Road	Oak Ridge Road	Dutch Hill Road	1,848	16	3,285			x		0	3,285	497	0	3,285	0	986	0	\$6,500	\$126,013
3	3.00		Hidden Valley Lane	Dead End	Massaro Place	792	16	1,408			x		0	1,408	213	0	1,408	0	422	0	\$3,000	\$54,009
3	3.00		Marion Drive	Dead End	Patti Drive	106	16	188			x		0	188	28	0	188	0	56	0	\$500	\$7,174
3	3.00		Marion Drive	Patti Drive	Washington Pike	264	16	469			x		0	469	71	0	469	0	141	0	\$1,000	\$17,995
3	3.00		Patti Street	Marion Avenue	Dead End	211	15	352			x		0	352	53	0	352	0	106	0	\$1,000	\$13,481
3	3.00	2001	Pinch Road	Pinch Road Ext	Collier Township Line	211	14	328			x		0	328	50	0	328	0	98	0	\$1,000	\$12,614
3	3.00		Shady Lane	S.R. 978	Dead End	792	10	880			x		0	880	133	0	880	0	264	0	\$2,000	\$33,745
4	3.67		Dutch Hill Road	Pinch Road	Kramers Lane	475	16	844			x		0	844	128	0	844	0	211	0	\$2,000	\$30,503
4	3.68	1992	Nesbit Road	Battle Ridge Road	Collier TWP	792	16	1,408			x		0	1,408	213	0	1,408	0	352	0	\$3,000	\$50,841
4	4.00	1990	Beech Alley	Cemetery Hill	Magnolia St.	264	10	293			x		0	293	44	0	293	0	73	0	\$1,000	\$10,552
4	4.00		Bluff Street	Grant Street	Dead End	110	12	147			x		0	147	22	0	147	0	37	0	\$500	\$5,288
4	4.00		Bridge Street	Thomas Run Road	Dead End	1,056	14	1,643			x		0	1,643	249	0	1,643	0	411	0	\$3,000	\$59,365
4	4.00		Kramers Lane	Dead End	Dutch Hill Road	1,056	14	1,643			x		0	1,643	249	0	1,643	0	411	0	\$3,000	\$59,365
4	4.00		Middle Street	Parks Road	Dead End	370	15	617			x		0	617	93	0	617	0	154	0	\$1,500	\$22,250
4	4.00		Railroad Street	Dead End	Park Road	158	14	246			x		0	246	37	0	246	0	62	0	\$500	\$8,865
4	4.00		Walnut Street	Main Street	Water Street	317	16	564			x		0	564	85	0	564	0	141	0	\$1,500	\$20,338
5	4.75	1968	Sygan Road	Morgan Hollow Road	Oakridge Road	5,597	13	8,085			x		0	8,085	1,223	0	8,085	0	1,617	0	\$14,000	\$273,740
5	4.80	1997	Degrave Street (Brown)	Elm Street	Dead End	370	24	987			x		0	987	149	0	987	0	197	0	\$2,000	\$33,392
5	5.00		Acacia Drive	Washington Co Line	County Line Road	475	18	950			x		0	950	144	0	950	0	190	0	\$2,000	\$32,190
5	5.00	1990	Alexander Street	Wabash Avenue	Dead End	370	16	658			x		0	658	100	0	658	0	132	0	\$1,500	\$22,318

**Table D - Rating Table (Local Roads)**  
**TOWNSHIP OF SOUTH FAYETTE**  
**ROAD STUDY**

PREPARED BY: LENNON, SMITH, SOULERET ENGINEERING, INC.  
 DATED: November 2015

RATING SYSTEM			
RATING	DESCRIPTION	RATING	DESCRIPTION
10	NEW CONSTRUCTION	5	MODERATE TO SEVERE RAVELING, TRANSVERSE CRACKING
9	RECENT OVERLAY, LIKE NEW	4	BLOCK CRACKING 25% TO 50%
8	RECENT OVERLAY, SOME REFLECTIVE CRACKING ONLY	3	BLOCK CRACKING OVER 50%, ALLIGATOR CRACKING LESS THAN 25% OF SURFACE
7	LITTLE OR SLIGHT CRACKING, SOME TRAFFIC WEAR	2	SEVERE DISTORTIONS, EXTENSIVE PATCHING, POTHOLES
6	SLIGHT RAVELING AND TRAFFIC WEAR, OCCASIONAL PATCHING	1	SEVERE DISTRESS, EXTENSIVE LOSS OF SURFACE INTEGRITY

STREET ITEMS			
ITEM #	DESCRIPTION	ITEM #	DESCRIPTION
1A	BITUMINOUS MILLING AND PROFILING (2" AVG. DEPTH) (S.Y.)	3A	1.5" DEPTH SUPERPAVE WEARING COURSE (S.Y.)
1B	BITUMINOUS MILLING AND PROFILING (4" AVG. DEPTH) (S.Y.)	3B	1/2" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)
2A	2.5" AVG. DEPTH SUPERPAVE BINDER LEVELING COURSE (TONS)	4	BASE REPAIR (INCLUDING EXCAVATION) (S.Y.)
2B	3/4" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)	5	BITUMINOUS SEAL COAT (DOUBLE APPLICATION) (SY)
		6	EXISTING STORM SEWER AND SYSTEM MAINTENANCE (LS)

STREET RATING	WEIGHTED STREET RATING	YEAR LAST RESURFACED	STREET	TERMINI		LENGTH (FT)	WIDTH (FT)	AREA (SY)	METHOD OF RESURFACE			COMMENTS	ITEM 1A \$3.00	ITEM 1B \$3.50	ITEM 2A \$85.00	ITEM 2B \$90.00	ITEM 3A \$8.50	ITEM 3B \$90.00	ITEM 4 \$45.00	ITEM 5 \$5.00	ITEM 6 5%	ROADWAY TOTAL
				FROM:	TO:				MILL / SCRATCH / WEARING	MILL / BINDER / WEARING	TAR AND CHIP											
5	5.00	1996	Bowman St. Ext	Bowman Street	Dead End	370	16	658		x			0	658	100	0	658	0	132	0	\$1,500	\$22,318
5	5.00	1996	Bowman Street	School Street	Bowman St. Ext	422	16	750		x			0	750	113	0	750	0	150	0	\$1,500	\$25,355
5	5.00	1996	Bowman Street	Bowman St. Ext	Dead End	158	16	281		x			0	281	43	0	281	0	56	0	\$500	\$9,556
5	5.00	1992	Campbell Avenue	Dead End	West Street	317	16	564		x			0	564	85	0	564	0	113	0	\$1,000	\$19,069
5	5.00		Center Avenue	Creek Street	Washington County Line	581	16	1,033		x			0	1,033	156	0	1,033	0	207	0	\$2,000	\$34,953
5	5.00	1996	Cherry Street	Meade Street	Millers Run Rooda	422	20	938		x			0	938	142	0	938	0	188	0	\$2,000	\$31,768
5	5.00	2001	Chestnut Street	Main Street	Water Street	264	16	469		x			0	469	71	0	469	0	94	0	\$1,000	\$15,884
5	5.00	1998	County Line Road	Washington County Line	Acacia Drive	1,056	19	2,229		x			0	2,229	337	0	2,229	0	446	0	\$4,000	\$75,454
5	5.00	1998	County Line Road	Acacia Drive	Washington County Line	1,003	19	2,117		x			0	2,117	320	0	2,117	0	423	0	\$4,000	\$71,657
5	5.00		Cuddy Lane (Private)	Millers Run Road	Morgan Hill Road	2,740	26	7,916		x			0	7,916	1,197	0	7,916	0	1,583	0	\$13,500	\$267,981
5	5.00		Dutch Hill Road	Oakridge Road	Locust Lane	1,267	16	2,252		x			0	2,252	341	0	2,252	0	450	0	\$4,000	\$76,277
5	5.00	1991	East St.	Magnolia Street	McVey Street	211	16	375		x			0	375	57	0	375	0	75	0	\$1,000	\$12,720
5	5.00		Massaro Place	Hidden Valley Lane	Dead End	211	16	375		x			0	375	57	0	375	0	75	0	\$1,000	\$12,720
5	5.00		McClane St.	Millers Run Road	Dead End	528	16	939		x			0	939	142	0	939	0	188	0	\$2,000	\$31,789
5	5.00	1992	Orchard Drive	Sherman Street	Mitchell Drive	1,003	20	2,229		x			0	2,229	337	0	2,229	0	446	0	\$4,000	\$75,454
5	5.00		Poplar Lane	Dutch Hill Road	Dead End	792	14	1,232		x			0	1,232	186	0	1,232	0	246	0	\$2,500	\$41,682
5	5.00	2001	Rahner-Wood Drive	Locust Lane	Dead End	370	20	822		x			0	822	124	0	822	0	164	0	\$1,500	\$27,802
5	5.00		Railroad Street	Park Road	Dead End	317	14	493		x			0	493	75	0	493	0	99	0	\$1,000	\$16,728
5	5.00	1996	Reed Street	Millers Run Road	Reed Plan Road	106	12	141		x			0	141	21	0	141	0	28	0	\$500	\$4,746
5	5.00	1992	Valley Forest Road	Old Oakdale Road	Dead End	475	14	739		x			0	739	112	0	739	0	148	0	\$1,500	\$25,039
5	5.00		Verner Street	Presto-Sygan Road	Dead End	1,162	20	2,582		x			0	2,582	391	0	2,582	0	516	0	\$4,500	\$87,457
5	5.00	2005	Villani Drive	Abele Road	Cul-de-Sac	950	26	2,744		x			0	2,744	415	0	2,744	0	549	0	\$5,000	\$92,899
5	5.00		Wabash Alley	Penn Avenue	Cross Street	770	10	856		x			0	856	129	0	856	0	171	0	\$1,500	\$28,941
5	5.00		Wabash Alley	Oak	Penn Avenue	310	10	344		x			0	344	52	0	344	0	69	0	\$1,000	\$11,644
5	5.00	1996	Wallace Street	Dead End	Bowman Street	528	14	821		x			0	821	124	0	821	0	164	0	\$1,500	\$27,781
5	5.00	1996	Wallace Street	Bowman Street	Dead End	1,426	14	2,218		x			0	2,218	335	0	2,218	0	444	0	\$4,000	\$75,053
5	5.00		Wallace Street Ext.	Wallace Street	Dead End	739	14	1,150		x			0	1,150	174	0	1,150	0	230	0	\$2,000	\$38,940
5	5.00	1991	Water Street	Dead End	Chestnut Street	211	16	375		x			0	375	57	0	375	0	75	0	\$1,000	\$12,720
5	5.00	1991	Water Street	Chestnut Street	Dead End	106	16	188		x			0	188	28	0	188	0	38	0	\$500	\$6,328
5	5.00		West Street	Allegheny Avenue	Campbell Avenue	211	18	422		x			0	422	64	0	422	0	84	0	\$1,000	\$14,302
5	5.00		Westbridge Drive	Morgan Hill Road	Turn Around	1,320	25	3,667		x			0	3,667	555	0	3,667	0	733	0	\$6,500	\$124,182
6	5.63		Dutch Hill Road	Poplar Lane	Pinch Road	1,901	16	3,380		x			0	3,380	511	0	3,380	0	507	0	\$5,500	\$106,810

**Table D - Rating Table (Local Roads)**  
**TOWNSHIP OF SOUTH FAYETTE**  
**ROAD STUDY**

PREPARED BY: LENNON, SMITH, SOULERET ENGINEERING, INC.  
 DATED: November 2015

RATING SYSTEM			
RATING	DESCRIPTION	RATING	DESCRIPTION
10	NEW CONSTRUCTION	5	MODERATE TO SEVERE RAVELING, TRANSVERSE CRACKING
9	RECENT OVERLAY, LIKE NEW	4	BLOCK CRACKING 25% TO 50%
8	RECENT OVERLAY, SOME REFLECTIVE CRACKING ONLY	3	BLOCK CRACKING OVER 50%, ALLIGATOR CRACKING LESS THAN 25% OF SURFACE
7	LITTLE OR SLIGHT CRACKING, SOME TRAFFIC WEAR	2	SEVERE DISTORTIONS, EXTENSIVE PATCHING, POTHOLES
6	SLIGHT RAVELING AND TRAFFIC WEAR, OCCASIONAL PATCHING	1	SEVERE DISTRESS, EXTENSIVE LOSS OF SURFACE INTEGRITY

STREET ITEMS			
ITEM #	DESCRIPTION	ITEM #	DESCRIPTION
1A	BITUMINOUS MILLING AND PROFILING (2" AVG. DEPTH) (S.Y.)	3A	1.5" DEPTH SUPERPAVE WEARING COURSE (S.Y.)
1B	BITUMINOUS MILLING AND PROFILING (4" AVG. DEPTH) (S.Y.)	3B	1/2" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)
2A	2.5" AVG. DEPTH SUPERPAVE BINDER LEVELING COURSE (TONS)	4	BASE REPAIR (INCLUDING EXCAVATION) (S.Y.)
2B	3/4" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)	5	BITUMINOUS SEAL COAT (DOUBLE APPLICATION) (SY)
		6	EXISTING STORM SEWER AND SYSTEM MAINTENANCE (LS)

STREET RATING	WEIGHTED STREET RATING	YEAR LAST RESURFACED	STREET	TERMINI		LENGTH (FT)	WIDTH (FT)	AREA (SY)	METHOD OF RESURFACE			COMMENTS	ITEM 1A \$3.00	ITEM 1B \$3.50	ITEM 2A \$85.00	ITEM 2B \$90.00	ITEM 3A \$8.50	ITEM 3B \$90.00	ITEM 4 \$45.00	ITEM 5 \$5.00	ITEM 6 5%	ROADWAY TOTAL
				FROM:	TO:				MILL / SCRATCH / WEARING	MILL / BINDER / WEARING	TAR AND CHIP											
6	5.67		Dutch Hill Road	Locust Lane	Poplar Lane	1,109	16	1,972		x			0	1,972	298	0	1,972	0	296	0	\$3,500	\$62,305
6	5.67	2001	Sygan Road	Millers Run Road	Morgan Hollow Road	5,861	13	8,466		x			0	8,466	1,280	0	8,466	0	1,270	0	\$13,500	\$267,538
6	5.71	2002	Dutch Hill Road	Kramers Lane	Gillmore Hill Road	1,690	16	3,004		x			0	3,004	454	0	3,004	0	451	0	\$5,000	\$94,915
6	5.71	2001	Morgan Hollow Road	Morgan Hill Road	Sygan Hill Road	6,178	18	12,356		x			0	12,356	1,869	0	12,356	0	1,853	0	\$20,000	\$390,540
6	5.75	2002	Dutch Hill Road	Gillmore Hill Road	Battle Ridge Road	739	16	1,314		x			0	1,314	199	0	1,314	0	197	0	\$2,500	\$41,553
6	6.00	1992	Allegheny Avenue	Dead End	Oak Street	475	20	1,056		x			0	1,056	160	0	1,056	0	158	0	\$2,000	\$33,400
6	6.00		Blythe Road	Dead End	Sygan Road	581	16	1,033		x			0	1,033	156	0	1,033	0	155	0	\$2,000	\$32,629
6	6.00	1992	Campbell Avenue	West Street	Oak Street	158	16	281		x			0	281	43	0	281	0	42	0	\$500	\$8,924
6	6.00	1992	Campbell Avenue	Penn Avenue	Cross Street	792	16	1,408		x			0	1,408	213	0	1,408	0	211	0	\$2,500	\$44,505
6	6.00		Central Avenue	Millers Run Road	Dead End	634	20	1,409		x			0	1,409	213	0	1,409	0	211	0	\$2,500	\$44,524
6	6.00		Charles Sreet	Cecil Township Line	Dead End	1,267	20	2,816		x			0	2,816	426	0	2,816	0	422	0	\$4,500	\$89,010
6	6.00	1996	Cherry Street	Grant Street	Meade Street	264	20	587		x			0	587	89	0	587	0	88	0	\$1,000	\$18,571
6	6.00	1991	Cortland Street	McVey Street	Magnolia Street	230	26	664		x			0	664	100	0	664	0	100	0	\$1,500	\$20,950
6	6.00		Creek Street	Woodlawn Avenue	Center Avenue	211	18	422		x			0	422	64	0	422	0	63	0	\$1,000	\$13,353
6	6.00	1992	Cross Street	S.R. Rte. 0050	Dead End	422	26	1,219		x			0	1,219	184	0	1,219	0	183	0	\$2,000	\$38,496
6	6.00	1990	Elm Street	Morgan Street	Brown Street	106	20	236		x			0	236	36	0	236	0	35	0	\$500	\$7,485
6	6.00	1990	Elm Street	Brown Street	Morgan Hill Road	211	20	469		x			0	469	71	0	469	0	70	0	\$1,000	\$14,829
6	6.00	2006	Forbes Street	Hickory Grade Road	Dead End	211	15	352		x			0	352	53	0	352	0	53	0	\$1,000	\$11,105
6	6.00	1997	Grant Street	Cherry Street	Dead End	370	24	987		x			0	987	149	0	987	0	148	0	\$2,000	\$31,171
6	6.00	1997	Lee Street	Millers Run Road	Dead End	422	16	750		x			0	750	113	0	750	0	113	0	\$1,500	\$23,668
6	6.00	1996	Meade Street	Cherry Street	Dead End	211	16	375		x			0	375	57	0	375	0	56	0	\$1,000	\$11,876
6	6.00		Oak Street	Morgan Street	Dead End	528	12	704		x			0	704	106	0	704	0	106	0	\$1,500	\$22,210
6	6.00		Oak Street	Campbell Ave.	Allegheny Avenue	211	12	281		x			0	281	43	0	281	0	42	0	\$500	\$8,924
6	6.00		Oak Street	Allegheny Avenue	Campbell Avenue	211	14	328		x			0	328	50	0	328	0	49	0	\$1,000	\$10,400
6	6.00	1992	Orchard Drive	Wabash Avenue	Sherman Street	581	20	1,291		x			0	1,291	195	0	1,291	0	194	0	\$2,500	\$40,781
6	6.00		School Street	Dead End	Old Oakdale Road	792	16	1,408		x			0	1,408	213	0	1,408	0	211	0	\$2,500	\$44,505
6	6.00	1992	Sherman Street	Orchard Drive	Wabash Avenue	211	18	422		x			0	422	64	0	422	0	63	0	\$1,000	\$13,353
6	6.00	1996	South Fayette Street	Millers Run Road	Millers Run Road	2,165	22	5,292		x			0	5,292	800	0	5,292	0	794	0	\$8,500	\$167,225
6	6.00		Woodlawn Avenue	Creek Street	Washington County Line	422	18	844		x			0	844	128	0	844	0	127	0	\$1,500	\$26,705
7	7.00	1992	Allegheny Avenue	Oak Street	Penn Avenue	317	20	704		x			0	704	106	0	704	0	70	0	\$1,500	\$20,626
7	7.00	1992	Allegheny Avenue	Penn Avenue	Cross Street	634	20	1,409		x			0	1,409	213	0	1,409	0	141	0	\$2,500	\$41,354
7	7.00	1992	Campbell Avenue	Oak Street	Penn Avenue	317	16	564		x			0	564	85	0	564	0	56	0	\$1,000	\$16,531



**Table D - Rating Table (Local Roads)**  
**TOWNSHIP OF SOUTH FAYETTE**  
**ROAD STUDY**

PREPARED BY: LENNON, SMITH, SOULERET ENGINEERING, INC.  
 DATED: November 2015

RATING SYSTEM			
RATING	DESCRIPTION	RATING	DESCRIPTION
10	NEW CONSTRUCTION	5	MODERATE TO SEVERE RAVELING, TRANSVERSE CRACKING
9	RECENT OVERLAY, LIKE NEW	4	BLOCK CRACKING 25% TO 50%
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7	LITTLE OR SLIGHT CRACKING, SOME TRAFFIC WEAR	2	SEVERE DISTORTIONS, EXTENSIVE PATCHING, POTHoles
6	SLIGHT RAVELING AND TRAFFIC WEAR, OCCASIONAL PATCHING	1	SEVERE DISTRESS, EXTENSIVE LOSS OF SURFACE INTEGRITY

STREET ITEMS			
ITEM #	DESCRIPTION	ITEM #	DESCRIPTION
1A	BITUMINOUS MILLING AND PROFILING (2" AVG. DEPTH) (S.Y.)	3A	1.5" DEPTH SUPERPAVE WEARING COURSE (S.Y.)
1B	BITUMINOUS MILLING AND PROFILING (4" AVG. DEPTH) (S.Y.)	3B	1/2" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)
2A	2.5" AVG. DEPTH SUPERPAVE BINDER LEVELING COURSE (TONS)	4	BASE REPAIR (INCLUDING EXCAVATION) (S.Y.)
2B	3/4" AVG. DEPTH SUPERPAVE SCRATCH COURSE (TONS)	5	BITUMINOUS SEAL COAT (DOUBLE APPLICATION) (SY)
		6	EXISTING STORM SEWER AND SYSTEM MAINTENANCE (LS)

STREET RATING	WEIGHTED STREET RATING	YEAR LAST RESURFACED	STREET	TERMINI		LENGTH (FT)	WIDTH (FT)	AREA (SY)	METHOD OF RESURFACE			COMMENTS	ITEM 1A \$3.00	ITEM 1B \$3.50	ITEM 2A \$85.00	ITEM 2B \$90.00	ITEM 3A \$8.50	ITEM 3B \$90.00	ITEM 4 \$45.00	ITEM 5 \$5.00	ITEM 6 5%	ROADWAY TOTAL	
				FROM:	TO:				MILL / SCRATCH / WEARING	MILL / BINDER / WEARING	TAR AND CHIP												
7	7.00	2000	Crest Street	Millers Run Road	Dead End	581	18	1,162		x			0	1,162	176	0	1,162	0	116	0	\$2,000	\$34,133	
7	7.00	1997	Grant Street	Millers Run Road	Cherry Road	211	24	563		x			0	563	85	0	563	0	56	0	\$1,000	\$16,515	
7	7.00		Penn Avenue	Allegheny Avenue	Campbell Avenue	211	22	516		x			0	516	78	0	516	0	52	0	\$1,000	\$15,144	
7	7.00	1992	Wabash Avenue	Sherman Street	Mitchell Street	792	20	1,760		x			0	1,760	266	0	1,760	0	176	0	\$3,000	\$51,650	
10	10.00	2014	Main Street	Cemetery Hill Road	Chestnut Street	686	22	1,677	x				1,677	0	0	83	1,677	0	0	0	\$1,500	\$26,756	
10	10.00	2014	Main Street	Chestnut Street	Main Street Ext	1,373	22	3,356	x				3,356	0	0	166	3,356	0	0	0	\$3,000	\$53,534	
10	10.00	2014	Main Street Ext.	Main Street	Dead End	211	16	375	x				375	0	0	19	375	0	0	0	\$500	\$6,023	
10	10.00	2014	Mc Nary St.	Cemetery Hill Road	Dead End	686	14	1,067	x				1,067	0	0	53	1,067	0	0	0	\$1,000	\$17,041	
<b>TOTALS</b>												6,475	132,473	20,035	4,973	138,948	3,362	60,166	94,005				
												<b>SUBTOTAL PAVING COST</b>										<b>\$7,294,752.00</b>	
												<b>SUBTOTAL STORM SEWER COST</b>										<b>\$393,500.00</b>	
												<b>15% CONTINGENCY</b>										<b>\$1,153,237.80</b>	
												<b>TOTAL COST</b>										<b>\$8,841,489.80</b>	

**APPENDIX B**  
**CONSTRUCTION COST**  
**BREAKDOWN**

## APPENDIX B

### CONSTRUCTION COST BREAKDOWN

#### **ITEM NO. 1A – BITUMINOUS MILLING AND PROFILING**

Cost based on the square yardage of the roadway (3" average milling depth). Typically milling ranges have been from 1" at centerline to 4" on edge of street.

1. Length of street \* average width of street ÷ 9 = square yardage of street

#### **ITEM NO. 1B – BITUMINOUS MILLING AND PROFILING**

Cost based on the square yardage of the roadway (1½" average milling depth). Typically milling ranges have been from 0" at centerline to 1½" on edge of street.

1. Length of street \* average width of street ÷ 9 = square yardage of street

#### **ITEM NO. 2A – 2½" AVERAGE DEPTH SUPERPAVE BITUMINOUS BINDER LEVELING COURSE**

Cost based on a tonnage quantity (2½" average depth).

1.  $(110 \text{ lbs} * \text{depth} * \text{square yardage of roadway}) / 2,000 = \text{tons needed for roadway}$

#### **ITEM NO. 2B – ¾" AVERAGE DEPTH SUPERPAVE BITUMINOUS BINDER LEVELING COURSE**

Cost based on a tonnage quantity (¾" average depth).

1.  $(110 \text{ lbs} * \text{depth} * \text{square yardage of roadway}) / 2000 = \text{tons needed for roadway}$

#### **ITEM NO. 3A – 1½" SUPERPAVE BITUMINOUS WEARING COURSE**

Cost based on square yardage of the roadway (1½" average depth).

1. Length of street \* average width of street ÷ 9 = square yardage of street

**ITEM NO. 3B – ½" AVERAGE DEPTH SUPERPAVE BITUMINOUS SCRATCH COURSE**

Cost based on a tonnage quantity (½" average depth).

1.  $(110 \text{ lbs} * \text{depth} * \text{square yardage of roadway})/2000 = \text{tons needed for roadway}$

**ITEM NO. 4 – BASE REPAIR**

Cost based on a square yardage item.

1. Road Rating of 9 = 2% Base Repair of entire roadway
2. Road Rating of 8 = 5% Base Repair of entire roadway
3. Road Rating of 7 = 10% Base Repair of entire roadway
4. Road Rating of 6 = 15% Base Repair of entire roadway
5. Road Rating of 5 = 20% Base Repair of entire roadway
6. Road Rating of 4 = 25% Base Repair of entire roadway
7. Road Rating of 3 = 30% Base Repair of entire roadway
8. Road Rating of 2 = 35% Base Repair of entire roadway
9. Road Rating of 1 = 40% Base Repair of entire roadway

**ITEM NO. 5 – BITUMINOUS SEAL COAT (DOUBLE APPLICATION)**

Cost based on square yardage of the roadway.

1.  $\text{Length of street} * \text{average width of street} \div 9 = \text{square yardage of street}$

**ITEM NO. 6 – EXISTING STORM SEWER AND SYSTEM MAINTENANCE**

Cost based on 5% of the total roadway cost.

**APPENDIX C**  
**ROAD STUDY**  
**RATING SYSTEM**

**APPENDIX C  
ROAD STUDY RATING SYSTEM**

<b>Surface Rating</b>		<b>Existing Condition</b>
10	Excellent	New construction
9	Excellent	Recent overlay, like new
8	Very Good	No longitudinal cracks Some reflective joint cracking only Recent overlay
7	Good	Very slight or no raveling, surface shows some traffic wear Little or slight cracking No patching or very few patches in excellent condition
6	Good	Slight raveling (loss of lines) and traffic wear Occasional patching in good condition
5	Fair	Moderate to severe raveling (loss of lines and coarse aggregate) First signs of longitudinal cracks near wheel path or edge Transverse cracking Some patching or edge wedging in good condition
4	Fair	Severe surface raveling Multiple longitudinal and transverse cracking Block cracking (over 25 - 50% of surface) Patching in fair condition Slight rutting or distortions (1" deep or less)
3	Poor	Closely spaced longitudinal and transverse cracks Block cracking over 50% of surface Some alligator cracking (less than 25% of surface) Patches in fair to poor condition Occasional potholes
2	Very Poor	Alligator cracking (over 25% of surface) Severe distortions (over 2" deep) Extensive patching in poor condition Potholes
1	Failed	Severe distress with extensive loss of surface integrity