Boucher & James, Inc.

CONSULTING ENGINEERS

LOWER MAKEFIELD TOWNSHIP

25-Year and 30-Year

ROAD IMPROVEMENTS PLAN

November 2015 1477035

Lower Makefield Township; 25-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD	
				$ 1.48	$ 6.92	$ 9,000.00	$ 45.00						
2015	Township Line Road (RR to Yardley-Langhorne Road)	110,193	12,244	$18,121	$84,764	$9,000	$27,548	$139,433	Arterial	1988	1	4	8.6
	Flint Court	34,060	3,784	$5,601	$26,200	$9,000	$8,515	$49,316	Stony Hill Homes	1977	4	3	1.9
	Yale Drive	50,760	5,640	$8,347	$39,046	$9,000	$12,690	$69,083	Sandy Run I & II	1987	4	3	2.8
	Albright Drive	43,200	4,800	$7,104	$33,231	$9,000	$10,800	$60,135	Sandy Run II	1987	3	3	2.9
	Cornell Drive	26,100	2,900	$4,292	$20,077	$9,000	$6,525	$39,894	Sandy Run II	1987	3	3	1.7
	Pratt Drive	18,600	2,067	$3,059	$14,308	$9,000	$4,650	$31,016	Sandy Run II	1987	3	3	1.2
	Fordham Drive	6,600	733	$1,085	$5,077	$9,000	$1,650	$16,812	Sandy Run II	1987	3	3	0.4
	Oakdale Road	37,800	4,200	$6,216	$29,077	$9,000	$9,450	$53,743	Oakdale	1988	4	4	1.7
	Springdale Terrace (to Hickory)	30,300	3,367	$4,983	$23,308	$9,000	$7,575	$44,865	Oakdale	1988	4	4	1.3
	Springdale Terrace (Finish)	63,600	7,067	$10,459	$48,923	$9,000	$15,900	$84,282	Hickory Hills	1985	4	3	3.5
	S. Crescent	130,000	14,444	$21,378	$100,000	$9,000	$32,500	$162,878	Makefield Manor	1983	4	4	5.8
	Woodland Drive	26,600	2,956	$4,374	$20,462	$9,000	$6,650	$40,486	Cochrane Tract	1982	4	3	1.5

2015	Total	$791,943
2.50%	Inflation	$791,943
3.00%	Inflation	$791,943
3.50%	Inflation	$791,943

Color Code:

ARTERIAL ROAD

COLLECTOR ROAD

Road Condition Data Input

2015

Last Paved (1979 to 1988)

Pavement Age (27 to 36 Years)

Lower Makefield Township; 25-Year Road Improvements Plan

Total Cost of Improvements	$	31,581,682	
Avg. $/year for 20 years	$	1,579,084	
Avg. $/year for 25 years	$	1,263,267	$ 315,817
Total Square Footage:		22,476,336	
Miles at 28 ft. width		152.03	
Miles at 32 ft. width		133.03	
Miles at 34		125.20	
		724,204.80	
Avg. Width of Roads		31.04	ft

33.4

Sum of All Road Scores	1485.25	2015 sum is:	1485.25
2015 Correction Factor:	14.8525	(For 2015 shape factor to equal 100.00)	

Overall Shape of Roads Relative Factor: 100.00 **"Road Condition Factor"**

Lower Makefield Township; 25-Year Road Improvements Plan

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				$ 1.48	$ 6.92	$ 9,000.00	$ 45.00						
2015	Township Line Road (RR to Yardley-Langhorne Road)	110,193	12,244	$18,121	$84,764	$9,000	$27,548	$139,433	Arterial	1988	1	1	12.2
	Flint Court	34,060	3,784	$5,601	$26,200	$9,000	$8,515	$49,316	Stony Hill Homes	1977	4	1	2.6
	Yale Drive	50,760	5,640	$8,347	$39,046	$9,000	$12,690	$69,083	Sandy Run I & II	1987	4	1	3.9
	Albright Drive	43,200	4,800	$7,104	$33,231	$9,000	$10,800	$60,135	Sandy Run II	1987	3	1	3.8
	Cornell Drive	26,100	2,900	$4,292	$20,077	$9,000	$6,525	$39,894	Sandy Run II	1987	3	1	2.3
	Pratt Drive	18,600	2,067	$3,059	$14,308	$9,000	$4,650	$31,016	Sandy Run II	1987	3	1	1.7
	Fordham Drive	6,600	733	$1,085	$5,077	$9,000	$1,650	$16,812	Sandy Run II	1987	3	1	0.6
	Oakdale Road	37,800	4,200	$6,216	$29,077	$9,000	$9,450	$53,743	Oakdale	1988	4	1	2.9
	Springdale Terrace (to Hickory)	30,300	3,367	$4,983	$23,308	$9,000	$7,575	$44,865	Oakdale	1988	4	1	2.4
	Springdale Terrace (Finish)	63,600	7,067	$10,459	$48,923	$9,000	$15,900	$84,282	Hickory Hills	1985	4	1	4.9
	S. Crescent	130,000	14,444	$21,378	$100,000	$9,000	$32,500	$162,878	Makefield Manor	1983	4	1	10.1
	Woodland Drive	26,600	2,956	$4,374	$20,462	$9,000	$6,650	$40,486	Cochrane Tract	1982	4	1	2.1

2015	Total	$791,943
2.50%	Inflation	$791,943
3.00%	Inflation	$791,943
3.50%	Inflation	$791,943

Color Code:

ARTERIAL ROAD

COLLECTOR ROAD

Road Condition Data Input

2015

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Pavement Age (27 to 36 Years)

Lower Makefield Township; 25-Year Road Improvements Plan

Total Cost of Improvements	$	31,581,682	
Avg. $/year for 20 years	$	1,579,084	
Avg. $/year for 25 years	$	1,263,267	$ 315,817
Total Square Footage:		22,476,336	
Miles at 28 ft. width		152.03	
Miles at 32 ft. width		133.03	
Miles at 34		125.20	
		724,204.80	
Avg. Width of Roads		31.04	ft

49.7

Sum of All Road Scores	1501.52	2015 sum is:	1485.25
2015 Correction Factor:	14.8525	(For 2015 shape factor to equal 100.00)	

Overall Shape of Roads Relative Factor: 101.10 **"Road Conditions Factor"**

ASSUME: 2015 Road Contion is 1 (NEW)

Lower Makefield Township; 25-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
				$ 1.48	$ 6.92	$ 9,000.00	$ 45.00					
2015	Township Line Road (RR to Yardley-Langhorne Road)	110,193	12,244	$18,121	$84,764	$9,000	$27,548	$139,433	Arterial	1988	1	4
	Flint Court	34,060	3,784	$5,601	$26,200	$9,000	$8,515	$49,316	Stony Hill Homes	1977	4	3
	Yale Drive	50,760	5,640	$8,347	$39,046	$9,000	$12,690	$69,083	Sandy Run I & II	1987	4	3
	Albright Drive	43,200	4,800	$7,104	$33,231	$9,000	$10,800	$60,135	Sandy Run II	1987	3	3
	Cornell Drive	26,100	2,900	$4,292	$20,077	$9,000	$6,525	$39,894	Sandy Run II	1987	3	3
	Pratt Drive	18,600	2,067	$3,059	$14,308	$9,000	$4,650	$31,016	Sandy Run II	1987	3	3
	Fordham Drive	6,600	733	$1,085	$5,077	$9,000	$1,650	$16,812	Sandy Run II	1987	3	3
	Oakdale Road	37,800	4,200	$6,216	$29,077	$9,000	$9,450	$53,743	Oakdale	1988	4	4
	Springdale Terrace (to Hickory)	30,300	3,367	$4,983	$23,308	$9,000	$7,575	$44,865	Oakdale	1988	4	4
	Springdale Terrace (Finish)	63,600	7,067	$10,459	$48,923	$9,000	$15,900	$84,282	Hickory Hills	1985	4	3
	S. Crescent	130,000	14,444	$21,378	$100,000	$9,000	$32,500	$162,878	Makefield Manor	1983	4	4
	Woodland Drive	26,600	2,956	$4,374	$20,462	$9,000	$6,650	$40,486	Cochrane Tract	1982	4	3
						2015	Total	$791,943				
						2.50%	Inflation	$791,943				
						3.00%	Inflation	$791,943				
						3.50%	Inflation	$791,943				

Color Code:

ARTERIAL ROAD

COLLECTOR ROAD

Road Condition Data Input

2015

Last Paved (1979 to 1988)

Pavement Age (27 to 36 Years)

Lower Makefield Township; 25-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
	Mt. Eyre Road	110,718	12,302	$18,207	$85,168	$9,000	$27,680	$140,054	Collector		2	4
	Woodside Road (between River and Dolington)	196,714	21,857	$32,349	$151,318	$9,000	$49,179	$241,845	Collector	Unknown	2	4
2016	Pennsdale Drive	16,800	1,867	$2,763	$12,923	$9,000	$4,200	$28,886	Oakdale	1988	4	3
	Daleview Court	7,500	833	$1,233	$5,769	$9,000	$1,875	$17,878	Oakdale	1988	4	3
	Pevsner Drive (to Hickory)	20,100	2,233	$3,305	$15,462	$9,000	$5,025	$32,792	Oakdale	1988	4	3
	Daleview Drive	49,900	5,544	$8,206	$38,385	$9,000	$12,475	$68,065	Oakdale	1988	4	3
	Pevsner Drive (Finish)	31,200	3,467	$5,131	$24,000	$9,000	$7,800	$45,931	Hickory Hills	1988	4	4
	Hickory Road	31,800	3,533	$5,229	$24,462	$9,000	$7,950	$46,641	Hickory Hills	1988	4	4
	Anderson Road	39,300	4,367	$6,463	$30,231	$9,000	$9,825	$55,518	Hickory Hills	1979	4	4
	Hunt Drive	123,840	13,760	$20,365	$95,262	$9,000	$30,960	$155,586	Hunt Estates	1985	4	3
	Windrow Lane	23,690	2,632	$3,896	$18,223	$9,000	$5,923	$37,041	Hunt Estates	1985	4	3
	Lakeview Circle	26,300	2,922	$4,325	$20,231	$9,000	$6,575	$40,131	Tanglewood	1986	4	3
	Sherwood Drive	71,640	7,960	$11,781	$55,108	$9,000	$17,910	$93,798	Wynnewood II	1988	3	4
	Forrest Road	37,800	4,200	$6,216	$29,077	$9,000	$9,450	$53,743	Wynnewood II	1988	3	4
	Woodbrook Drive	7,650	850	$1,258	$5,885	$9,000	$1,913	$18,055	Wynnewood II	1988	4	4
	Nottingham Drive	48,240	5,360	$7,933	$37,108	$9,000	$12,060	$66,100	Wynnewood II	1985	4	4
	Robinhood Drive	60,840	6,760	$10,005	$46,800	$9,000	$15,210	$81,015	Wynnewood II	1988	4	4
	Wynnewood Drive	15,120	1,680	$2,486	$11,631	$9,000	$3,780	$26,897	Wynnewood II	1981	4	4

2016	Total	$1,249,977
2.5%	Inflation	$1,281,227
3.0%	Inflation	$1,287,477
3.5%	Inflation	$1,293,727

2016

Last Paved (1979 to1988)
Pavement Age (27 to 36 Years)

Lower Makefield Township; 25-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
2017	Black Rock Road (between Canal Bridge and Yardley Morrisvile	42,505	4,723	$6,990	$32,696	$9,000	$10,626	$59,312	Collector	1979	2	3
	Woodside Road (between Lindenhurst & Dolington)	120,834	13,426	$19,870	$92,949	$9,000	$30,209	$152,028	Collector	Unknown	2	3
	Quarry Road	155,296	17,255	$25,538	$119,458	$9,000	$38,824	$192,820	Collector	1979	2	3
	Black Rock Road (between Canal Bridge and River Road)	62,470	6,941	$10,273	$48,054	$9,000	$15,618	$82,944	Collector	1979	2	3
	Buck Creek Circle	19,430	2,159	$3,195	$14,946	$9,000	$4,858	$31,999	Buck Creek Estates	1984	4	3
	Lenape Lane	46,370	5,152	$7,625	$35,669	$9,000	$11,593	$63,887	Yardley Meadows	1985	4	4
	Moon Circle	9,300	1,033	$1,529	$7,154	$9,000	$2,325	$20,008	Wynnewood I	1983	4	3
	Moon Drive	52,660	5,851	$8,660	$40,508	$9,000	$13,165	$71,332	Wynnewood I	1983	4	3
	Byron Drive	14,080	1,564	$2,315	$10,831	$9,000	$3,520	$25,666	Wynnewood I	1983	4	3
	Lawndale Road	33,280	3,698	$5,473	$25,600	$9,000	$8,320	$48,393	Green Acres	1983	4	3
	Fayette Drive	13,600	1,511	$2,236	$10,462	$9,000	$3,400	$25,098	Green Acres	1983	4	3
	South Milton Road	39,800	4,422	$6,545	$30,615	$9,000	$9,950	$56,110	Wynnewood II	1981	4	4
	Friar Drive	119,160	13,240	$19,595	$91,662	$9,000	$29,790	$150,047	Wynnewood II	1981	4	4
	Trend Drive	45,000	5,000	$7,400	$34,615	$9,000	$11,250	$62,265	Wynnewood II	1981	4	4
	Teich Drive	37,080	4,120	$6,098	$28,523	$9,000	$9,270	$52,891	Wynnewood II	1981	4	4
	Apple Blossom Drive	46,080	5,120	$7,578	$35,446	$9,000	$11,520	$63,544	Bexley Orchards	1986	4	3
	Barn Drive	22,120	2,458	$3,638	$17,015	$9,000	$5,530	$35,183	Makefield Hamlet	1981	4	3
	Twin Circle Court (including North Circle and South Circle)	25,048	2,783	$4,119	$19,268	$9,000	$6,262	$38,649	Makefield Manor	1983	4	3
						2017	Total	$1,232,176				
						2.5%	Inflation	$1,294,555				
						3.0%	Inflation	$1,307,216				
						3.5%	Inflation	$1,319,938				

2017

Last Paved (1979 to 2005)
Pavement Age (10 to 36 Years)

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2018	Heacock Road	113,044	12,560	$18,589	$86,957	$9,000	$28,261	$142,807	Collector	1985	2	3
2018	Edgewood Road (from Oxford Valley Road to Yardley Morrisville Road)	198,854	22,095	$32,700	$152,965	$9,000	$49,714	$244,379	Collector	1986	2	3
2018	Makefield Road (from S. Homestead Rd. to Big Oak Rd.)	141,703	15,745	$23,302	$109,002	$9,000	$35,426	$176,730	Collector	2011	2	3
	Creamery Road	118,000	13,111	$19,404	$90,769	$9,000	$29,500	$148,674	Collector	2010	2	2
	Lehigh Drive	35,100	3,900	$5,772	$27,000	$9,000	$8,775	$50,547	Sandy Run	1987	4	3
	Rickert Drive	37,800	4,200	$6,216	$29,077	$9,000	$9,450	$53,743	Wynnewood I	1983	4	4
	Milton Drive	31,400	3,489	$5,164	$24,154	$9,000	$7,850	$46,167	Wynnewood I	1983	3	4
	Keats Drive	18,400	2,044	$3,026	$14,154	$9,000	$4,600	$30,780	Wynnewood I	1983	3	4
	Shelley Lane	7,800	867	$1,283	$6,000	$9,000	$1,950	$18,233	Wynnewood I	1983	3	4
	St James Place	19,400	2,156	$3,190	$14,923	$9,000	$4,850	$31,963	Makefield Manor	1983	4	4
	Cultipacker Road	63,720	7,080	$10,478	$49,015	$9,000	$15,930	$84,424	Mirror Lake Farms	1979	4	4
	Flail Drive	21,600	2,400	$3,552	$16,615	$9,000	$5,400	$34,567	Mirror Lake Farms	1979	4	4
	Stapler Drive	83,150	9,239	$13,674	$63,962	$9,000	$20,788	$107,423	Mirror Lake Farms	1979	4	4
	Planter Drive	15,480	1,720	$2,546	$11,908	$9,000	$3,870	$27,323	Mirror Lake Farms	1979	4	4
	Drill Road	11,520	1,280	$1,894	$8,862	$9,000	$2,880	$22,636	Mirror Lake Farms	1979	4	4

2018	Total	$1,220,396
2.5%	Inflation	$1,314,233
3.0%	Inflation	$1,333,559
3.5%	Inflation	$1,353,075

2018

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Pavement Age (10 to 36 Years)

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	Oxford Valley (Between Heacock and Stony Hill)	144,711	16,079	$23,797	$111,316	$9,000	$36,178	$180,291	Collector	1986	2	3
2019	Judith Place	51,480	5,720	$8,466	$39,600	$9,000	$12,870	$69,936	Ashley Estates	1983	4	3
	South Drive	30,100	3,344	$4,950	$23,154	$9,000	$7,525	$44,629	Cochrane Tract	2005	4	3
	Combine Drive	52,780	5,864	$8,679	$40,600	$9,000	$13,195	$71,474	Mirror Lake Farms	1979	4	3
	Disk Road	11,520	1,280	$1,894	$8,862	$9,000	$2,880	$22,636	Mirror Lake Farms	1979	4	3
	Harvest Drive	55,440	6,160	$9,117	$42,646	$9,000	$13,860	$74,623	Mirror Lake Farms	1979	4	3
	Silo Road	162,000	18,000	$26,640	$124,615	$9,000	$40,500	$200,755	Mirror Lake Farms	1979	4	3
	Brock Creek Entry	7,560	840	$1,243	$5,815	$9,000	$1,890	$17,949	Yardley Meadows	1979	4	3
	Brock Creek Drive	64,440	7,160	$10,597	$49,569	$9,000	$16,110	$85,276	Yardley Meadows	1979	4	3
	Thrush Court (N)	7,920	880	$1,302	$6,092	$9,000	$1,980	$18,375	Rose Hollow	1985	4	3
	Trellis Circle	19,730	2,192	$3,244	$15,177	$9,000	$4,933	$32,354	Rose Hollow	1985	4	3
	Lance Drive	16,550	1,839	$2,722	$12,731	$9,000	$4,138	$28,590	Buck Creek Estates II & III	1984	4	3
	Schultz Lane	19,430	2,159	$3,195	$14,946	$9,000	$4,858	$31,999	Buck Creek Estates II & III	1984	4	3
	Highview Drive	28,560	3,173	$4,697	$21,969	$9,000	$7,140	$42,806	Highview Estates	1985	4	3
	Scammell Drive	35,000	3,889	$5,756	$26,923	$9,000	$8,750	$50,429	Highview Estates	1985	3	3
	Emerald Drive (Oxford Valley to Woodview Road)	72,720	8,080	$11,958	$55,938	$9,000	$18,180	$95,077	N/A	1998	4	3
	Gayle Drive	70,920	7,880	$11,662	$54,554	$9,000	$17,730	$92,946	Ashley Estates	1983	4	3
	Andrea Place	11,810	1,312	$1,942	$9,085	$9,000	$2,953	$22,979	Ashley Estates	1983	4	3
	Jenny Drive	62,500	6,944	$10,278	$48,077	$9,000	$15,625	$82,980	Ashley Estates	1983	4	3
						2019	Total	$1,266,102				
						2.5%	Inflation	$1,397,540				
						3.0%	Inflation	$1,425,009				
						3.5%	Inflation	$1,452,881				

2019

Last Paved (1977 to 1986)
Pavement Age (31 to 38 Years)

Lower Makefield Township; 25-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
	Oxford Valley (Between Stoney Hill and Edgewood)	225,658	25,073	$37,108	$173,583	$9,000	$56,415	$276,106	Collector	1986	2	3
2020	Makefield Road (from Yardley/Morrisville to S. Homestead	109,010	12,112	$17,926	$83,854	$9,000	$27,253	$138,032	Collector	2011	2	3
	Beech Court	13,310	1,479	$2,189	$10,238	$9,000	$3,328	$24,755	Quarry Commons	1978	4	3
	Heather Circle	30,000	3,333	$4,933	$23,077	$9,000	$7,500	$44,510	Quarry Commons	1978	4	3
	Innis Lane	31,500	3,500	$5,180	$24,231	$9,000	$7,875	$46,286	Quarry Commons	1978	4	3
	Pebble Court	12,000	1,333	$1,973	$9,231	$9,000	$3,000	$23,204	Quarry Commons	1978	4	3
	Quarry Commons Drive	52,000	5,778	$8,551	$40,000	$9,000	$13,000	$70,551	Quarry Commons	1978	4	3
	Woodview Road	161,640	17,960	$26,581	$124,338	$9,000	$40,410	$200,329	Oxford Glen, Yardley Oaks	1988	4	3
	Scarlet Oak Road	78,120	8,680	$12,846	$60,092	$9,000	$19,530	$101,469	Oxford Glen, Yardley Oaks	1988	4	3
	Overlook Road	39,600	4,400	$6,512	$30,462	$9,000	$9,900	$55,874	Oxford Glen, Yardley Oaks	1979	4	3
	Twig Lane (old section)	9,720	1,080	$1,598	$7,477	$9,000	$2,430	$20,505	Oxford Glen, Yardley Oaks	1979	4	3
	Hollow Branch Lane	37,080	4,120	$6,098	$28,523	$9,000	$9,270	$52,891	Oxford Glen, Yardley Oaks	1982	4	3
	Greenview Road	45,000	5,000	$7,400	$34,615	$9,000	$11,250	$62,265	Oxford Glen, Yardley Oaks	1982	4	3
	Cinnabar Lane (old section)	32,760	3,640	$5,387	$25,200	$9,000	$8,190	$47,777	Stony Hill Homes	1977	4	3
	Crystal Court	17,210	1,912	$2,830	$13,238	$9,000	$4,303	$29,371	Stony Hill Homes	1977	4	3
	Fieldstone Court	33,700	3,744	$5,542	$25,923	$9,000	$8,425	$48,890	Stony Hill Homes	1977	4	3
	Marble Court	20,450	2,272	$3,363	$15,731	$9,000	$5,113	$33,206	Stony Hill Homes	1977	4	3

2020	Total	$1,276,021
2.5%	Inflation	$1,443,701
3.0%	Inflation	$1,479,258
3.5%	Inflation	$1,515,513

2020

Last Paved (1977 to 1986)
Pavement Age (29 to 38 Years)

Lower Makefield Township; 25-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
	Edgewood Road (from Yardley Langhorn Road to Oxford Valley Road)	400,682	44,520	$65,890	$308,217	$9,000	$100,171	$483,277	Collector	1986	2	3
2021	Norway Drive	6,600	733	$1,085	$5,077	$9,000	$1,650	$16,812	Erb Tract, Pine Grove West	1986	4	3
	Berkley Drive	23,400	2,600	$3,848	$18,000	$9,000	$5,850	$36,698	Erb Tract, Pine Grove West	1986	4	3
	Greenhill Road	6,800	756	$1,118	$5,231	$9,000	$1,700	$17,049	Erb Tract, Pine Grove West	1986	4	3
	Essex Lane	9,800	1,089	$1,612	$7,538	$9,000	$2,450	$20,600	Erb Tract, Pine Grove West	1988	4	3
	Marsha Terrace	18,400	2,044	$3,026	$14,154	$9,000	$4,600	$30,780	Milford Manor	1987	4	3
	David Terrace	26,400	2,933	$4,341	$20,308	$9,000	$6,600	$40,249	Milford Manor	1987	4	3
	Esther Lane	40,200	4,467	$6,611	$30,923	$9,000	$10,050	$56,584	Milford Manor	1987	4	3
	Richie Lane	23,000	2,556	$3,782	$17,692	$9,000	$5,750	$36,225	Milford Manor	1987	4	3
	Gloria Lane	30,340	3,371	$4,989	$23,338	$9,000	$7,585	$44,913	Milford Manor	1987	4	3
	Irving Road	18,000	2,000	$2,960	$13,846	$9,000	$4,500	$30,306	Milford Manor	1987	4	3
	Jack Road	14,700	1,633	$2,417	$11,308	$9,000	$3,675	$26,400	Milford Manor	1987	4	3
	Harrow (Crescent)	15,770	1,752	$2,593	$12,131	$9,000	$3,943	$27,667	Big Oak Woods	1996	4	3
	Barclay (Crescent)	15,770	1,752	$2,593	$12,131	$9,000	$3,943	$27,667	Big Oak Woods	1996	4	3
	Wilton (Crescent)	15,770	1,752	$2,593	$12,131	$9,000	$3,943	$27,667	Big Oak Woods	1996	4	3
	Belgrave (Crescent)	15,770	1,752	$2,593	$12,131	$9,000	$3,943	$27,667	Big Oak Woods	1996	4	3
	Thames (Crescent)	15,770	1,752	$2,593	$12,131	$9,000	$3,943	$27,667	Big Oak Woods	1996	4	3
	Fenwood Place	9,200	1,022	$1,513	$7,077	$9,000	$2,300	$19,890	Black Rock Terrace, Fenwoo	1986	4	3
	Beechdrop Court	11,510	1,279	$1,893	$8,854	$9,000	$2,878	$22,624	Big Oak Bend	1986	4	3
	Violetwood Court	11,510	1,279	$1,893	$8,854	$9,000	$2,878	$22,624	Big Oak Bend	1986	4	3
	Pepperbush Court	11,510	1,279	$1,893	$8,854	$9,000	$2,878	$22,624	Big Oak Bend	1986	4	3
	Sweetbell Court	11,510	1,279	$1,893	$8,854	$9,000	$2,878	$22,624	Big Oak Bend	1986	4	3
	Oak View Drive	49,320	5,480	$8,110	$37,938	$9,000	$12,330	$67,379	Big Oak Bend	1986	4	3
	Wild Orchid Court	3,960	440	$651	$3,046	$9,000	$990	$13,687	Big Oak Bend	1986	4	3
	Tall Meadow Lane	44,280	4,920	$7,282	$34,062	$9,000	$11,070	$61,413	Big Oak Bend	1986	4	3

2021	Total	$1,231,091
2.5%	Inflation	$1,427,688
3.0%	Inflation	$1,469,987
3.5%	Inflation	$1,513,325

2021

Lower Makefield Township; 25-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
	Jay Drive	25,200	2,800	$4,144	$19,385	$9,000	$6,300	$38,829	Valleywood	1989	4	3
2022	Gordon Drive	36,900	4,100	$6,068	$28,385	$9,000	$9,225	$52,678	Valleywood	1989	4	3
	Hammond Drive	24,300	2,700	$3,996	$18,692	$9,000	$6,075	$37,763	Valleywood	1989	4	3
	Marlboro Road	30,240	3,360	$4,973	$23,262	$9,000	$7,560	$44,794	Valleywood	1989	4	3
	Norman Drive	25,500	2,833	$4,193	$19,615	$9,000	$6,375	$39,184	Valleywood	1989	4	3
	Willow Pond Drive	91,800	10,200	$15,096	$70,615	$9,000	$22,950	$117,661	Tanglewood	1986	4	3
	Rowantree Circle	31,160	3,462	$5,124	$23,969	$9,000	$7,790	$45,883	Tanglewood	1988	4	3
	Applewood Circle	35,960	3,996	$5,913	$27,662	$9,000	$8,990	$51,565	Tanglewood	1988	4	3
	Bud Lane	33,120	3,680	$5,446	$25,477	$9,000	$8,280	$48,203	Tanglewood	1986	4	3
	Wildflower Circle	25,600	2,844	$4,210	$19,692	$9,000	$6,400	$39,302	Tanglewood	1986	4	3
	Cricket Court	6,250	694	$1,028	$4,808	$9,000	$1,563	$16,398	Tanglewood	1986	4	3
	Hummingbird Court	3,250	361	$534	$2,500	$9,000	$813	$12,847	Tanglewood	1986	4	3
	Lakeview Drive	54,600	6,067	$8,979	$42,000	$9,000	$13,650	$73,629	Makefield Lakes	1986	4	3
	Serene Lane	17,100	1,900	$2,812	$13,154	$9,000	$4,275	$29,241	Makefield Lakes	1991	4	3
	Moyer Way	19,200	2,133	$3,157	$14,769	$9,000	$4,800	$31,727	Makefield Lakes	1991	4	3
	Weinman Way	48,000	5,333	$7,893	$36,923	$9,000	$12,000	$65,816	Makefield Lakes	1991	4	3
	Woodthrush Court	14,190	1,577	$2,333	$10,915	$9,000	$3,548	$25,796	Hidden Oaks	1994	4	3
	Robins Court	10,440	1,160	$1,717	$8,031	$9,000	$2,610	$21,358	Hidden Oaks	1994	4	3
	Sweetbriar Court	13,500	1,500	$2,220	$10,385	$9,000	$3,375	$24,980	Hidden Oaks	1994	4	3
	Honeysuckle Court	16,020	1,780	$2,634	$12,323	$9,000	$4,005	$27,962	Hidden Oaks	1994	4	3
	Candlewick Court	12,780	1,420	$2,102	$9,831	$9,000	$3,195	$24,127	Hidden Oaks	1994	4	3
	Goldenrod Court	10,200	1,133	$1,677	$7,846	$9,000	$2,550	$21,073	Hidden Oaks	1994	4	3
	Cobblestone Court	9,180	1,020	$1,510	$7,062	$9,000	$2,295	$19,866	Hidden Oaks	1994	4	3
	Cobbler Court	15,840	1,760	$2,605	$12,185	$9,000	$3,960	$27,749	Hidden Oaks	1994	4	3
	Pondview Court	16,020	1,780	$2,634	$12,323	$9,000	$4,005	$27,962	Hidden Oaks	1994	4	3
	Lang Court	11,500	1,278	$1,891	$8,846	$9,000	$2,875	$22,612	Hidden Oaks	1996	4	3
	Summerhill Court	6,300	700	$1,036	$4,846	$9,000	$1,575	$16,457	Hidden Oaks	1994	4	3
	Bluestone Drive (Roelofs to Stony	62,280	6,920	$10,242	$47,908	$9,000	$15,570	$82,719	Hidden Oaks	1994	3	3
	Lang Drive	45,180	5,020	$7,430	$34,754	$9,000	$11,295	$62,478	Hidden Oaks	1996	3	3
	Joy Circle	6,480	720	$1,066	$4,985	$9,000	$1,620	$16,670	Yardley Estates	1994	4	2
	Lauren Circle	7,560	840	$1,243	$5,815	$9,000	$1,890	$17,949	Yardley Estates	1994	4	2
	Page Drive 1	28,440	3,160	$4,677	$21,877	$9,000	$7,110	$42,664	Yardley Estates	1994	4	2
	Rosalind Run (Hidden Pond Drive	7,603	845	$1,250	$5,848	$9,000	$1,901	$17,999	Hidden Pond	2006	4	2

2022	Total	$1,245,944
2.5%	Inflation	$1,481,036
3.0%	Inflation	$1,532,354
3.5%	Inflation	$1,585,189

Lower Makefield Township; 25-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
	Township Line Road (Stony Hill to Langhorne-Yardley)	230,260	25,584	$37,865	$177,123	$9,000	$57,565	$281,553	Arterial	2011	1	3
2023	Inverness Drive	18,330	2,037	$3,014	$14,100	$9,000	$4,583	$30,697	Makefield Brook I & II	1986	4	3
	Ashborne Drive	24,630	2,737	$4,050	$18,946	$9,000	$6,158	$38,154	Makefield Brook I & II	1986	4	3
	Dorothy Drive	14,760	1,640	$2,427	$11,354	$9,000	$3,690	$26,471	Makefield Brook I & II	1986	4	3
	Brentwood Drive	129,600	14,400	$21,312	$99,692	$9,000	$32,400	$162,404	Makefield Brook I & II	1986	4	3
	James Court	15,410	1,712	$2,534	$11,854	$9,000	$3,853	$27,240	Makefield Brook I & II	1986	4	3
	Garber Drive	4,000	444	$658	$3,077	$9,000	$1,000	$13,735	West Acres, Glenwood	1988	4	3
	Penn Valley Terrace	47,800	5,311	$7,860	$36,769	$9,000	$11,950	$65,580	West Acres, Glenwood	1988	4	3
	Glenwood South Gate	15,400	1,711	$2,532	$11,846	$9,000	$3,850	$27,229	West Acres, Glenwood	1988	4	3
	Buckingham Way	23,800	2,644	$3,914	$18,308	$9,000	$5,950	$37,171	West Acres, Glenwood	1988	4	3
	E. Crown Terrace	7,000	778	$1,151	$5,385	$9,000	$1,750	$17,286	West Acres, Glenwood	1988	4	3
	Heather Ridge Drive	110,520	12,280	$18,174	$85,015	$9,000	$27,630	$139,820	Heather Ridge	1994	4	3
	Ashley Road	48,240	5,360	$7,933	$37,108	$9,000	$12,060	$66,100	Heather Ridge	1994	4	3
	Ridgewood Lane	47,520	5,280	$7,814	$36,554	$9,000	$11,880	$65,248	Heather Ridge	1994	4	3
	Clark Drive	93,530	10,392	$15,380	$71,946	$9,000	$23,383	$119,709	Yardley Hunt	1986	4	3
	Bennington Road	7,920	880	$1,302	$6,092	$9,000	$1,980	$18,375	Yardley Hunt	1986	4	3
	Patriot Drive	16,560	1,840	$2,723	$12,738	$9,000	$4,140	$28,602	Yardley Hunt	1983	4	3
	Colony Way	35,570	3,952	$5,849	$27,362	$9,000	$8,893	$51,103	Yardley Hunt	1983	4	3
						2023	Total	$1,216,477				
						2.5%	Inflation	$1,482,159				
						3.0%	Inflation	$1,540,997				
						3.5%	Inflation	$1,601,868				

2023

Lower Makefield Township; 25-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
	Wellington Drive (E and W)	109,480	12,164	$18,003	$84,215	$9,000	$27,370	$138,589	Yardley Run	1986	4	3
2024	Fountain Road	48,440	5,382	$7,966	$37,262	$9,000	$12,110	$66,337	Yardley Run	1986	4	3
	N. Bradford Road	40,040	4,449	$6,584	$30,800	$9,000	$10,010	$56,394	Yardley Run	1986	4	3
	Chase Road	30,240	3,360	$4,973	$23,262	$9,000	$7,560	$44,794	Yardley Run	1986	4	3
	Wyngate Drive	14,820	1,647	$2,437	$11,400	$9,000	$3,705	$26,542	Yardley Run	1986	4	3
	Winchester Drive	31,320	3,480	$5,150	$24,092	$9,000	$7,830	$46,073	Yardley Estates	1992	4	3
	Remington Drive	26,640	2,960	$4,381	$20,492	$9,000	$6,660	$40,533	Yardley Estates	1992	4	3
	Hampton Road	6,200	689	$1,020	$4,769	$9,000	$1,550	$16,339	Yardley Estates	1994	4	3
	Fox Hollow Drive	132,120	14,680	$21,726	$101,631	$9,000	$33,030	$165,387	Yardley Estates	1992	4	3
	Elbow Lane (Including N Elbow Ln.)	155,880	17,320	$25,634	$119,908	$9,000	$38,970	$193,511	Yardley Crest	1994	4	3
	Share Drive	9,900	1,100	$1,628	$7,615	$9,000	$2,475	$20,718	Yardley Crest	1994	4	3
	Summit Drive	28,200	3,133	$4,637	$21,692	$9,000	$7,050	$42,380	Yardley Crest	1994	4	3
	Meridian Way	17,700	1,967	$2,911	$13,615	$9,000	$4,425	$29,951	Yardley Crest	1994	4	3
	Crestview Way	88,050	9,783	$14,479	$67,731	$9,000	$22,013	$113,223	Yardley Crest	1994	4	3
	Pinnacle Circle	9,450	1,050	$1,554	$7,269	$9,000	$2,363	$20,186	Yardley Crest	1994	4	3
	Ginko Lane	27,360	3,040	$4,499	$21,046	$9,000	$6,840	$41,385	Willow Wisp Farms	1994	4	3
	Farmal Court	12,240	1,360	$2,013	$9,415	$9,000	$3,060	$23,488	Willow Wisp Farms	1994	4	3
	Reaper Court	7,560	840	$1,243	$5,815	$9,000	$1,890	$17,949	Willow Wisp Farms	1994	4	3
	Plowshare Road	30,600	3,400	$5,032	$23,538	$9,000	$7,650	$45,220	Willow Wisp Farms	1994	4	3
	Mt. Pleasant Drive	67,200	7,467	$11,051	$51,692	$9,000	$16,800	$88,543	Yardley Corners	1999	4	3
						2024	Total	$1,237,543				
						2.5%	Inflation	$1,545,521				
						3.0%	Inflation	$1,614,713				
						3.5%	Inflation	$1,686,644				

Lower Makefield Township; 25-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
	Gainsway Road	118,440	13,160	$19,477	$91,108	$9,000	$29,610	$149,194	Carriage Hill	1990	4	2
2025	Sensor Road	57,240	6,360	$9,413	$44,031	$9,000	$14,310	$76,754	Carriage Hill	1990	4	2
	Lanyard Road	26,280	2,920	$4,322	$20,215	$9,000	$6,570	$40,107	Carriage Hill	1990	4	2
	Briarwood Court	34,560	3,840	$5,683	$26,585	$9,000	$8,640	$49,908	Carriage Hill	1990	4	2
	Jade Road	31,320	3,480	$5,150	$24,092	$9,000	$7,830	$46,073	Carriage Hill	1990	4	2
	Country Hills Road	36,720	4,080	$6,038	$28,246	$9,000	$9,180	$52,465	Woodlands at Yardley Crest	1994	4	2
	Garden Ridge Circle	8,640	960	$1,421	$6,646	$9,000	$2,160	$19,227	Woodlands at Yardley Crest	1994	4	2
	Mountain Oaks Road	56,520	6,280	$9,294	$43,477	$9,000	$14,130	$75,901	Woodlands at Yardley Crest	1994	4	2
	Chestnut Woods Drive	6,840	760	$1,125	$5,262	$9,000	$1,710	$17,096	Winterfield	1994	4	2
	Melissa Circle (E and W)	50,040	5,560	$8,229	$38,492	$9,000	$12,510	$68,231	Winterfield	1994	4	2
	Page Drive 2	23,400	2,600	$3,848	$18,000	$9,000	$5,850	$36,698	Winterfield	1994	4	2
	Slate Hill Road	69,840	7,760	$11,485	$53,723	$9,000	$17,460	$91,668	Rivergate	1994	4	2
	Vickers Way	25,920	2,880	$4,262	$19,938	$9,000	$6,480	$39,681	Rivergate	1994	4	2
	Scattergood Court	15,840	1,760	$2,605	$12,185	$9,000	$3,960	$27,749	Rivergate	1994	4	2
	Manor Gate	10,500	1,167	$1,727	$8,077	$9,000	$2,625	$21,429	Penn Valley Terrace	1991	4	2
	Delvale Drive	29,400	3,267	$4,835	$22,615	$9,000	$7,350	$43,800	Penn Valley Terrace	1991	4	2
	Keswick Drive	26,100	2,900	$4,292	$20,077	$9,000	$6,525	$39,894	Penn Valley Terrace	1991	4	2
	Oakhill Lane	12,300	1,367	$2,023	$9,462	$9,000	$3,075	$23,559	Penn Valley Terrace	1991	4	2
	Leedoms Drive	64,500	7,167	$10,607	$49,615	$9,000	$16,125	$85,347	Penns Field at Farmview	1998	4	2
	Quincy Drive	45,000	5,000	$7,400	$34,615	$9,000	$11,250	$62,265	Sandy Run	1997	4	2
	Dickinson Drive	59,100	6,567	$9,719	$45,462	$9,000	$14,775	$78,955	Sandy Run	1999	4	2
	Temple Drive	38,400	4,267	$6,315	$29,538	$9,000	$9,600	$54,453	Sandy Run	1987	4	2
	Drexel Drive	15,900	1,767	$2,615	$12,231	$9,000	$3,975	$27,820	Sandy Run	1987	4	2
						2025	Total	$1,228,275				
						2.5%	Inflation	$1,572,296				
						3.0%	Inflation	$1,650,699				
						3.5%	Inflation	$1,732,603				

Lower Makefield Township; 25-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
	Upper Hilltop Road	28,200	3,133	$4,637	$21,692	$9,000	$7,050	$42,380	Longhsore Estates	1995	4	2
2026	Farmview Drive	99,500	11,056	$16,362	$76,538	$9,000	$24,875	$126,776	Kimbles Field at Farmview	1998	4	2
	Kimbles Road (North and South)	107,700	11,967	$17,711	$82,846	$9,000	$26,925	$136,482	Kimbles Field at Farmview	1999	4	2
	Barnswallow Road	9,600	1,067	$1,579	$7,385	$9,000	$2,400	$20,363	Kimbles Field at Farmview	1999	4	2
	Partridge Road	4,200	467	$691	$3,231	$9,000	$1,050	$13,971	Kimbles Field at Farmview	1999	4	2
	Fairfield Road	142,920	15,880	$23,502	$109,938	$9,000	$35,730	$178,171	Fairfield at Farmview	1999	4	2
	Greenmeadows Road	25,200	2,800	$4,144	$19,385	$9,000	$6,300	$38,829	Fairfield at Farmview	1999	4	2
	Bridle Court	12,600	1,400	$2,072	$9,692	$9,000	$3,150	$23,914	Fairfield at Farmview	1999	4	2
	Horseshoe Bend	6,480	720	$1,066	$4,985	$9,000	$1,620	$16,670	Fairfield at Farmview	1999	4	2
	Wheatsheaf Road	56,520	6,280	$9,294	$43,477	$9,000	$14,130	$75,901	Fairfield at Farmview	1999	4	2
	Shetland Court	28,440	3,160	$4,677	$21,877	$9,000	$7,110	$42,664	The Ridings	1996	4	2
	Clydesdale Circle	67,500	7,500	$11,100	$51,923	$9,000	$16,875	$88,898	The Ridings	1996	4	2
	Hidden Oaks Drive	107,460	11,940	$17,671	$82,662	$9,000	$26,865	$136,198	Hidden Oaks	1996	4	2
	Roelofs Road (Bluestone to Oxford Valley)	45,540	5,060	$7,489	$35,031	$9,000	$11,385	$62,905	Hidden Oaks	1996	3	2
	Revere Road (between Schuyler and Madison)	85,680	9,520	$14,090	$65,908	$9,000	$21,420	$110,417	Yardley Hunt	1997	4	2
	Putnam Drive	33,480	3,720	$5,506	$25,754	$9,000	$8,370	$48,629	Yardley Hunt	1997	4	2
	Pickering Drive	39,960	4,440	$6,571	$30,738	$9,000	$9,990	$56,300	Yardley Hunt	1997	4	2

2026	Total	1,219,468
2.5%	Inflation	$1,600,047
3.0%	Inflation	$1,688,028
3.5%	Inflation	$1,780,386

Lower Makefield Township; 25-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
	Brookfield Road	54,900	6,100	$9,028	$42,231	$9,000	$13,725	$73,984	Brookfield at Farmview	1998	4	2
2027	Greenbriar Court	90,000	10,000	$14,800	$69,231	$9,000	$22,500	$115,531	Brookfield at Farmview	1997	4	2
	Hilltop Road	45,000	5,000	$7,400	$34,615	$9,000	$11,250	$62,265	Hillwood Terrace	1998	3	2
	Plymouth Lane	31,500	3,500	$5,180	$24,231	$9,000	$7,875	$46,286	Hillwood Terrace	1998	4	2
	Highland Drive	93,300	10,367	$15,343	$71,769	$9,000	$23,325	$119,437	Hillwood Terrace	1998	4	2
	Edgemere Drive	23,500	2,611	$3,864	$18,077	$9,000	$5,875	$36,816	Hillwood Terrace	1998	4	2
	Lower Hilltop Road	56,820	6,313	$9,344	$43,708	$9,000	$14,205	$76,256	N/A	1998	4	2
	Dawn Lane	52,920	5,880	$8,702	$40,708	$9,000	$13,230	$71,640	Heather Ridge	1994	4	2
	Pownal Drive	57,024	6,336	$9,377	$43,865	$9,000	$14,256	$76,498	Longhsore Estates	1998	4	2
	Merrick Road	66,528	7,392	$10,940	$51,175	$9,000	$16,632	$87,748	Longhsore Estates	1998	4	2
	Burgess Lane	5,148	572	$847	$3,960	$9,000	$1,287	$15,094	Longhsore Estates	1998	4	2
	Bartlett Court	17,107	1,901	$2,813	$13,159	$9,000	$4,277	$29,249	Longhsore Estates	1998	4	2
	Lily Pond Lane	51,660	5,740	$8,495	$39,738	$9,000	$12,915	$70,149	Wyndham I	1997	4	2
	Woodfield South	7,560	840	$1,243	$5,815	$9,000	$1,890	$17,949	Wyndham I	1997	4	2
	Bancroft Lane	30,096	3,344	$4,949	$23,151	$9,000	$7,524	$44,624	Wyndham II (Lost Tree)	1997	4	2
	Crabapple Lane	8,500	944	$1,398	$6,538	$9,000	$2,125	$19,061	Wyndham II (Lost Tree)	1997	4	2
	Long Meadow Lane	64,627	7,181	$10,628	$49,713	$9,000	$16,157	$85,497	Hidden Oaks II	1999	4	2
	Southridge Cir	47,520	5,280	$7,814	$36,554	$9,000	$11,880	$65,248	Hidden Oaks II	1999	4	2
	Brook Bend Court	9,504	1,056	$1,563	$7,311	$9,000	$2,376	$20,250	Hidden Oaks II	1999	4	2
	Grindan Drive	23,520	2,613	$3,868	$18,092	$9,000	$5,880	$36,840	Mill Run	1993	4	2
	Waterwheel Drive	35,560	3,951	$5,848	$27,354	$9,000	$8,890	$51,091	Mill Run	1993	4	2

2027	Total	$1,221,513
2.5%	Inflation	$1,642,799
3.0%	Inflation	$1,741,585
3.5%	Inflation	$1,845,790

Lower Makefield Township; 25-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
	Hamilton Drive	40,320	4,480	$6,630	$31,015	$9,000	$10,080	$56,726	Yardley Hunt	1997	4	2
2028	Henry Drive	39,890	4,432	$6,560	$30,685	$9,000	$9,973	$56,217	Yardley Hunt	1983	4	2
	Randolph Drive	143,640	15,960	$23,621	$110,492	$9,000	$35,910	$179,023	Yardley Hunt	1997	4	2
	Hancock Drive	9,460	1,051	$1,556	$7,277	$9,000	$2,365	$20,198	Yardley Hunt	1997	4	2
	Morgan Drive	38,520	4,280	$6,334	$29,631	$9,000	$9,630	$54,595	Yardley Hunt	1997	4	2
	Heller Drive	159,840	17,760	$26,285	$122,954	$9,000	$39,960	$198,199	Makefield Chase	1998	4	2
	Chase Lane	10,800	1,200	$1,776	$8,308	$9,000	$2,700	$21,784	Makefield Chase	1998	4	2
	Brookfield Road	16,850	1,872	$2,771	$12,962	$9,000	$4,213	$28,945	Makefield Chase	1998	4	2
	Greenbriar Court	15,370	1,708	$2,528	$11,823	$9,000	$3,843	$27,193	Makefield Chase	1998	4	2
	Laurie Lane	7,500	833	$1,233	$5,769	$9,000	$1,875	$17,878	Makefield Chase	1998	4	2
	Miller Place	8,750	972	$1,439	$6,731	$9,000	$2,188	$19,357	Makefield Chase	1998	4	2
	Palomino Way	9,350	1,039	$1,538	$7,192	$9,000	$2,338	$20,067	arry Commons (Pebble Cre	1998	4	2
	Lower Hilltop Road	44,180	4,909	$7,265	$33,985	$9,000	$11,045	$61,295	Pine Brook Farms	1999	4	2
	Dogwood Drive	5,460	607	$898	$4,200	$9,000	$1,365	$15,463	Delaware Rim	1999	4	2
	Rolling Green Road	9,880	1,098	$1,625	$7,600	$9,000	$2,470	$20,695	Delaware Rim	1999	4	2
	Dell Drive	1,875	208	$308	$1,442	$9,000	$469	$11,219	Delaware Rim	1999	4	2
	Westover Road (part 1 of 2)	27,840	3,093	$4,578	$21,415	$9,000	$6,960	$41,954	Westover	2002	4	2
	Tudor Lane	25,600	2,844	$4,210	$19,692	$9,000	$6,400	$39,302	Westover	2002	4	2
	Shelley Lane	7,800	867	$1,283	$6,000	$9,000	$1,950	$18,233	Westover	1983	4	2
	Effingham Road	23,280	2,587	$3,828	$17,908	$9,000	$5,820	$36,556	Westover	2002	4	2
	Westover Road (part 2 of 2)	41,000	4,556	$6,742	$31,538	$9,000	$10,250	$57,531	Westover	2003	4	2
	Ovington Road	20,520	2,280	$3,374	$15,785	$9,000	$5,130	$33,289	Westover	2003	4	2
	Vernon Lane	16,000	1,778	$2,631	$12,308	$9,000	$4,000	$27,939	Westover	2003	4	2
	Eton Road	17,280	1,920	$2,842	$13,292	$9,000	$4,320	$29,454	Westover	2003	4	2
	Colonial Ridge Drive	19,200	2,133	$3,157	$14,769	$9,000	$4,800	$31,727	Cochrane Tract	2005	4	2
	Upton Lane	45,000	5,000	$7,400	$34,615	$9,000	$11,250	$62,265	Hillwood Terrace	1998	4	2
	Concord Lane	34,980	3,887	$5,752	$26,908	$9,000	$8,745	$50,405	Hillwood Terrace	1998	4	2

2028	Total	$1,237,506
2.5%	Inflation	$1,705,916
3.0%	Inflation	$1,817,320
3.5%	Inflation	$1,935,405

Lower Makefield Township; 25-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
	Sutphin Road	98,160	10,907	$16,142	$75,508	$9,000	$24,540	$125,190	Collector	2002	2	2
2029	Pine Cone Drive	25,200	2,800	$4,144	$19,385	$9,000	$6,300	$38,829	Yardley Oaks	1999	4	2
	Acorn Drive	37,600	4,178	$6,183	$28,923	$9,000	$9,400	$53,506	Yardley Oaks	1999	4	2
	Aspen Road	110,160	12,240	$18,115	$84,738	$9,000	$27,540	$139,394	Yardley Oaks	1999	4	2
	Finch Court	13,250	1,472	$2,179	$10,192	$9,000	$3,313	$24,684	Heacock Meadows	1985	4	2
	N. Dove Road	30,240	3,360	$4,973	$23,262	$9,000	$7,560	$44,794	Heacock Meadows	1985	4	2
	Thrush Court	13,680	1,520	$2,250	$10,523	$9,000	$3,420	$25,193	Heacock Meadows	1985	4	2
	Grandview Drive	25,800	2,867	$4,243	$19,846	$9,000	$6,450	$39,539	Dolington Estates	2001	4	2
	Silverwood Drive	174,990	19,443	$28,776	$134,608	$9,000	$43,748	$216,131	Dolington Estates	2001	4	2
	Beacon Hill Drive	36,300	4,033	$5,969	$27,923	$9,000	$9,075	$51,967	Dolington Estates	2001	4	2
	Steeplechase Drive	28,440	3,160	$4,677	$21,877	$9,000	$7,110	$42,664	Dolington Estates	2001	4	2
	Amber Drive	40,720	4,524	$6,696	$31,323	$9,000	$10,180	$57,199	Dolington Estates	2001	4	2
	Boxwood Drive	13,800	1,533	$2,269	$10,615	$9,000	$3,450	$25,335	Dolington Estates	2001	4	2
	Powderhorn Drive	56,700	6,300	$9,324	$43,615	$9,000	$14,175	$76,114	Dolington Estates	2001	4	2
	Central Drive	14,900	1,656	$2,450	$11,462	$9,000	$3,725	$26,637	Makefield Manor	2000	4	2
	Wrightfield Road	28,800	3,200	$4,736	$22,154	$9,000	$7,200	$43,090	Makefield Manor	2000	4	2
	Homestead Drive (North and South)	7,600	844	$1,250	$5,846	$9,000	$1,900	$17,996	Makefield Manor	2011	4	2
	Lake Shore Drive	23,600	2,622	$3,881	$18,154	$9,000	$5,900	$36,935	Silver Lake Terrace	2000	4	2
	Green Ridge Road	30,680	3,409	$5,045	$23,600	$9,000	$7,670	$45,315	Silver Lake Terrace	2000	4	2
	Harvey Avenue	17,420	1,936	$2,865	$13,400	$9,000	$4,355	$29,620	Silver Lake Terrace	2000	4	2
	Orchard Way	26,740	2,971	$4,397	$20,569	$9,000	$6,685	$40,651	Silver Lake Terrace	2000	4	2
	Oxford Road	25,700	2,856	$4,226	$19,769	$9,000	$6,425	$39,420	Silver Lake Terrace	2000	4	2
						2029	Total	$1,240,202				
						2.5%	Inflation	$1,752,373				
						3.0%	Inflation	$1,875,917				
						3.5%	Inflation	$2,007,509				

Lower Makefield Township; 25-Year Road Improvements Plan

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2030	Garey Drive	82,440	9,160	$13,557	$63,415	$9,000	$20,610	$106,582	Pennsbury Walk (Wyndham	1997	4	2
	Schindler Drive	61,200	6,800	$10,064	$47,077	$9,000	$15,300	$81,441	Pennsbury Walk (Wyndham	1997	4	2
	Aaron Lloyd Court	8,280	920	$1,362	$6,369	$9,000	$2,070	$18,801	Pennsbury Walk (Wyndham	1997	4	2
	Knightsbridge Drive	77,040	8,560	$12,669	$59,262	$9,000	$19,260	$100,190	Big Oak Woods	2000	4	2
	Hyde Park Place	58,680	6,520	$9,650	$45,138	$9,000	$14,670	$78,458	Big Oak Woods	2000	4	2
	Oak Avenue	23,380	2,598	$3,845	$17,985	$9,000	$5,845	$36,674	Makefield Terrace	1988	4	2
	Walnut Lane	30,460	3,384	$5,009	$23,431	$9,000	$7,615	$45,055	Makefield Terrace	1988	4	2
	Maplewood Drive	25,040	2,782	$4,118	$19,262	$9,000	$6,260	$38,639	Arborlea	2001	4	2
	Linden Avenue	30,960	3,440	$5,091	$23,815	$9,000	$7,740	$45,647	Arborlea	2001	4	2
	Birch Avenue	16,200	1,800	$2,664	$12,462	$9,000	$4,050	$28,176	Arborlea	2001	4	2
	Elm Avenue	32,040	3,560	$5,269	$24,646	$9,000	$8,010	$46,925	Arborlea	2001	4	2
	Arborlea Avenue	56,100	6,233	$9,225	$43,154	$9,000	$14,025	$75,404	Arborlea	2001	4	2
	Cherry Lane	12,000	1,333	$1,973	$9,231	$9,000	$3,000	$23,204	Arborlea	2001	4	2
	Juniper Street	12,600	1,400	$2,072	$9,692	$9,000	$3,150	$23,914	Arborlea	2001	4	2
	Woods Street	7,360	818	$1,210	$5,662	$9,000	$1,840	$17,712	Arborlea	2001	4	2
	Wilfred Drive (East and West)	19,800	2,200	$3,256	$15,231	$9,000	$4,950	$32,437	Arborlea	1989	4	2
	College Avenue	29,600	3,289	$4,868	$22,769	$9,000	$7,400	$44,037	Fairway	1999	4	2
	Fairway Drive	47,600	5,289	$7,828	$36,615	$9,000	$11,900	$65,343	Fairway	1999	4	2
	Rock Run Road	51,480	5,720	$8,466	$39,600	$9,000	$12,870	$69,936	Rock Run	2001	4	2
	Erin Court	8,820	980	$1,450	$6,785	$9,000	$2,205	$19,440	Rock Run	2001	4	2
	Frazer Drive	13,860	1,540	$2,279	$10,662	$9,000	$3,465	$25,406	Rock Run	2001	4	2
	Trowbridge Drive	59,652	6,628	$9,809	$45,886	$9,000	$14,913	$79,609	Dolington Estates II	2001	4	2
	Wexford Court	15,954	1,773	$2,624	$12,272	$9,000	$3,989	$27,884	Dolington Estates II	2001	4	2
	Park Drive	10,260	1,140	$1,687	$7,892	$9,000	$2,565	$21,145	Dolington Estates II	2001	4	2
	Stewarts Way	32,314	3,590	$5,314	$24,857	$9,000	$8,079	$47,249	Stewarts Field	2002	4	2
	Patterson Lane	37,800	4,200	$6,216	$29,077	$9,000	$9,450	$53,743	N/A	1994	4	2
						2030	Total	$1,253,050				
						2.5%	Inflation	$1,814,790				
						3.0%	Inflation	$1,952,211				
						3.5%	Inflation	$2,099,295				

Lower Makefield Township; 25-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
2031	Twig Lane	70,314	7,813	$11,563	$54,088	$9,000	$17,579	$92,229	Peake Farm	2002	4	2
	Shady Grove Road	22,890	2,543	$3,764	$17,608	$9,000	$5,723	$36,094	Peake Farm	2002	4	2
	Shade Tree Court	18,384	2,043	$3,023	$14,142	$9,000	$4,596	$30,761	Peake Farm	2002	4	2
	Cardinal Drive	165,600	18,400	$27,232	$127,385	$9,000	$41,400	$205,017	Heacock Meadows	2000	4	2
	Wren Song Road	18,750	2,083	$3,083	$14,423	$9,000	$4,688	$31,194	Heacock Meadows	2000	4	2
	Rose Hollow Drive	58,750	6,528	$9,661	$45,192	$9,000	$14,688	$78,541	Heacock Meadows		4	2
	Bluebird Drive	55,800	6,200	$9,176	$42,923	$9,000	$13,950	$75,049	Heacock Meadows	1985	4	2
	Dobry Road	24,000	2,667	$3,947	$18,462	$9,000	$6,000	$37,408	Makefield Quarters		4	2
	Bluestone Drive (Stony Hill to Oak View)	82,514	9,168	$13,569	$63,472	$9,000	$20,629	$106,670	Stony Hill Homes	1999	3	2
	Candace Lane	41,817	4,646	$6,877	$32,167	$9,000	$10,454	$58,498	Makefield Crossing	2002	4	2
	Matthew Drive	33,840	3,760	$5,565	$26,031	$9,000	$8,460	$49,056	Makefield Crossing	2003	4	2
	Melissa Drive	5,040	560	$829	$3,877	$9,000	$1,260	$14,966	Makefield Crossing	2003	4	2
	Graystone Lane	9,000	1,000	$1,480	$6,923	$9,000	$2,250	$19,653	Brookshire Estates	2001	4	2
	Glen Drive (part of)	18,000	2,000	$2,960	$13,846	$9,000	$4,500	$30,306	River Glen	2002	4	2
	Wendover Road	17,640	1,960	$2,901	$13,569	$9,000	$4,410	$29,880	River Glen	2002	4	2
	Glenolden Road	18,180	2,020	$2,990	$13,985	$9,000	$4,545	$30,519	River Glen	2002	4	2
	Glen Drive (part of)	18,000	2,000	$2,960	$13,846	$9,000	$4,500	$30,306	River Glen	2002	4	2
	Ardsley Road	17,460	1,940	$2,871	$13,431	$9,000	$4,365	$29,667	River Glen	2004	4	2
	Ardsley Court	5,000	556	$822	$3,846	$9,000	$1,250	$14,918	River Glen	2005	4	2
	Kenmore Road	16,920	1,880	$2,782	$13,015	$9,000	$4,230	$29,028	River Glen	2004	4	2
	Hillside Lane	18,700	2,078	$3,075	$14,385	$9,000	$4,675	$31,135	Lindenhurst	2004	4	2
	Spring Lane	27,360	3,040	$4,499	$21,046	$9,000	$6,840	$41,385	Lindenhurst	2004	4	2
	Thistlewood Drive	71,280	7,920	$11,722	$54,831	$9,000	$17,820	$93,372	Gatefield at Farmview	1999	4	2
	Marsha Terrace	18,400	2,044	$3,026	$14,154	$9,000	$4,600	$30,780	Milford Manor	1987	4	2
						2031	Total	$1,226,431				
						2.5%	Inflation	$1,820,644				
						3.0%	Inflation	$1,968,062				
						3.5%	Inflation	$2,126,615				

Lower Makefield Township; 25-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
	Ferry Road (Yardley-Morrisville to Big Oak)	70,930	7,881	$11,664	$54,562	$9,000	$17,733	$92,958	Collector	2001	2	2
2032	Kings Road	86,040	9,560	$14,149	$66,185	$9,000	$21,510	$110,843	Edgewood Park	2001	3	2
	Countess Drive (old section)	77,820	8,647	$12,797	$59,862	$9,000	$19,455	$101,114	Edgewood Park	2001	4	2
	Queens Drive	81,080	9,009	$13,333	$62,369	$9,000	$20,270	$104,972	Edgewood Park	2001	4	2
	Duchess Drive	38,100	4,233	$6,265	$29,308	$9,000	$9,525	$54,098	Edgewood Park	2001	4	2
	Princess Drive	72,900	8,100	$11,988	$56,077	$9,000	$18,225	$95,290	Edgewood Park	2002	4	2
	Viscount Drive	23,400	2,600	$3,848	$18,000	$9,000	$5,850	$36,698	Edgewood Park	2002	4	2
	Baron Drive	30,600	3,400	$5,032	$23,538	$9,000	$7,650	$45,220	Edgewood Park	2002	4	2
	Freedom Drive	32,040	3,560	$5,269	$24,646	$9,000	$8,010	$46,925	Centennial Village	2002	4	2
	Independence Drive	29,880	3,320	$4,914	$22,985	$9,000	$7,470	$44,368	Centennial Village	2002	4	2
	Daffodil Drive	32,040	3,560	$5,269	$24,646	$9,000	$8,010	$46,925	Rolling Green	2001	4	2
	Hyacinth Road	29,300	3,256	$4,818	$22,538	$9,000	$7,325	$43,682	Rolling Green	2001	4	2
	Brandywine Lane	17,136	1,904	$2,818	$13,182	$9,000	$4,284	$29,283	Afton Chase	1999	4	2
	Burgundy Place	46,568	5,174	$7,658	$35,822	$9,000	$11,642	$64,121	Afton Chase	1999	4	2
	Chatwick Lane	2,248	250	$370	$1,729	$9,000	$562	$11,661	Afton Chase	1999	4	2
	Weber Drive	68,750	7,639	$11,306	$52,885	$9,000	$17,188	$90,378	Queens Grant	1996	4	2
	South Crescent Boulevard	76,920	8,547	$12,649	$59,169	$9,000	$19,230	$100,048	Queens Grant	1996	4	2
	Roelofs Road (Ramsey to Derbyshire)	69,200	7,689	$11,380	$53,231	$9,000	$17,300	$90,910	Queens Grant	2000	3	2
						2032	Total	$1,209,496				
						2.5%	Inflation	$1,840,391				
						3.0%	Inflation	$1,999,112				
						3.5%	Inflation	$2,170,652				

Lower Makefield Township; 25-Year Road Improvements Plan

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	Ferry Road (River to Yardley-Morrisville)	78,540	8,727	$12,915	$60,415	$9,000	$19,635	$101,966	Collector	1999	2	2
2033	Ferry Road (Dead End)	12,800	1,422	$2,105	$9,846	$9,000	$3,200	$24,151	Collector	1999	2	2
	Ramsey Road	219,960	24,440	$36,171	$169,200	$9,000	$54,990	$269,361	Queens Grant	1996	3	2
	Piper Lane	53,280	5,920	$8,762	$40,985	$9,000	$13,320	$72,066	Queens Grant	1996	4	2
	Denny Drive	21,960	2,440	$3,611	$16,892	$9,000	$5,490	$34,994	Queens Grant	1996	4	2
	Kilby Drive	40,320	4,480	$6,630	$31,015	$9,000	$10,080	$56,726	Queens Grant	1996	4	2
	Olsen Avenue	35,640	3,960	$5,861	$27,415	$9,000	$8,910	$51,186	Queens Grant	1996	4	2
	Kathryn Court	20,160	2,240	$3,315	$15,508	$9,000	$5,040	$32,863	Queens Grant	1996	4	2
	Wilbur Road	35,400	3,933	$5,821	$27,231	$9,000	$8,850	$50,902	Pine Brook Farms	2004	4	2
	Austin Road	34,920	3,880	$5,742	$26,862	$9,000	$8,730	$50,334	Pine Brook Farms	2004	4	2
	Houston Road	42,020	4,669	$6,910	$32,323	$9,000	$10,505	$58,738	Pine Brook Farms	2004	4	2
	Beechwood Lane	27,800	3,089	$4,572	$21,385	$9,000	$6,950	$41,906	Pine Brook Farms	2004	4	2
	Raab Drive	18,600	2,067	$3,059	$14,308	$9,000	$4,650	$31,016	Pine Brook Farms	2004	4	2
	Bel Air Drive	27,300	3,033	$4,489	$21,000	$9,000	$6,825	$41,314	Pine Brook Farms	2004	4	2
	Del Rio Drive	22,220	2,469	$3,654	$17,092	$9,000	$5,555	$35,301	Pine Brook Farms	2004	4	2
	Olivia Lane	37,960	4,218	$6,242	$29,200	$9,000	$9,490	$53,932	Pine Brook Farms	2004	4	2
	Pine Lane	44,180	4,909	$7,265	$33,985	$9,000	$11,045	$61,295	Pine Brook Farms	1999	4	2
	Simpson Drive	3,240	360	$533	$2,492	$9,000	$810	$12,835	Pine Brook Farms	2004	4	2
	Brook Lane	21,000	2,333	$3,453	$16,154	$9,000	$5,250	$33,857	Pine Brook Farms	2004	4	2
	Knoll Drive	21,000	2,333	$3,453	$16,154	$9,000	$5,250	$33,857	Pine Brook Farms	2004	4	2
	Deerbrook Drive	42,780	4,753	$7,035	$32,908	$9,000	$10,695	$59,638	Deerbrook	2007	4	2

2033	Total	1,208,239
2.5%	Inflation	$1,884,441
3.0%	Inflation	$2,056,946
3.5%	Inflation	$2,244,291

Lower Makefield Township; 25-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
2034	Liberty Drive	50,760	5,640	$8,347	$39,046	$9,000	$12,690	$69,083	Centennial Village	2002	4	2
	American Drive	39,600	4,400	$6,512	$30,462	$9,000	$9,900	$55,874	Centennial Village	2002	4	2
	Darby Drive	50,400	5,600	$8,288	$38,769	$9,000	$12,600	$68,657	Centennial Village	2002	4	2
	Manor Lane	19,360	2,151	$3,184	$14,892	$9,000	$4,840	$31,916	Penn Valley Terrace	1991	4	2
	Riverdale Road	41,100	4,567	$6,759	$31,615	$9,000	$10,275	$57,649	Penn Valley Terrace	2003	4	2
	Jockeys Way	60,539	6,727	$9,955	$46,568	$9,000	$15,135	$80,659	Devonshire	2002	4	2
	Jacob Drive	103,320	11,480	$16,990	$79,477	$9,000	$25,830	$131,297	Devonshire	1986	4	2
	Ascot Court	15,360	1,707	$2,526	$11,815	$9,000	$3,840	$27,181	Devonshire	2002	4	2
	Aspen Woods Drive	40,000	4,444	$6,578	$30,769	$9,000	$10,000	$56,347	Makefield Glen		4	2
	Covington Road	125,000	13,889	$20,556	$96,154	$9,000	$31,250	$156,959	Makefield Glen		4	2
	Stafford Place	14,040	1,560	$2,309	$10,800	$9,000	$3,510	$25,619	Stafford Place	2000	4	2
	Laurel Lane	10,000	1,111	$1,644	$7,692	$9,000	$2,500	$20,837	Fairfield Terrace	2006	4	2
	Mahlon Drive	10,400	1,156	$1,710	$8,000	$9,000	$2,600	$21,310	Fairfield Terrace	2006	4	2
	Richard Road	64,800	7,200	$10,656	$49,846	$9,000	$16,200	$85,702	Parktown Estates	2003	4	2
	Michael Road	63,720	7,080	$10,478	$49,015	$9,000	$15,930	$84,424	Parktown Estates	2003	4	2
	Saly Road	87,840	9,760	$14,445	$67,569	$9,000	$21,960	$112,974	Parktown Estates	2003	4	2
	Margery Road	43,200	4,800	$7,104	$33,231	$9,000	$10,800	$60,135	Parktown Estates	2003	4	2
	Nancy Road	48,240	5,360	$7,933	$37,108	$9,000	$12,060	$66,100	Parktown Estates	2003	4	2
						2034	Total	$1,212,724				
						2.5%	Inflation	$1,938,721				
						3.0%	Inflation	$2,126,518				
						3.5%	Inflation	$2,331,463				

Lower Makefield Township; 25-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
	Countess Drive	76,176	8,464	$12,527	$58,597	$9,000	$19,044	$99,168	Afton Chase	1999	4	2
2035	Victory Drive	48,600	5,400	$7,992	$37,385	$9,000	$12,150	$66,527	Afton Chase	2002	4	2
	Saxony Lane	37,948	4,216	$6,240	$29,191	$9,000	$9,487	$53,918	Afton Chase	1999	4	2
	Victory Drive	48,600	5,400	$7,992	$37,385	$9,000	$12,150	$66,527	Afton Chase	2002	4	2
	Yorkshire Drive	32,652	3,628	$5,369	$25,117	$9,000	$8,163	$47,649	Afton Chase	1999	4	2
	Cinnabar Lane	102,812	11,424	$16,907	$79,086	$9,000	$25,703	$130,696	Meadowbrook	1997	4	2
	Knightsbridge Road	8,284	920	$1,362	$6,372	$9,000	$2,071	$18,806	Meadowbrook	1997	4	2
	Reading Avenue	52,740	5,860	$8,673	$40,569	$9,000	$13,185	$71,427	Borough of Yardley, Fairway	1999	4	2
	Twining Road	98,050	10,894	$16,124	$75,423	$9,000	$24,513	$125,059	Heather Ridge	2005	3	2
	Drew Drive	52,200	5,800	$8,584	$40,154	$9,000	$13,050	$70,788	Afton Crest	1984	4	2
	Winder Drive	20,094	2,233	$3,304	$15,457	$9,000	$5,024	$32,785	Afton Crest	2002	4	2
	Houston Road Shoulder	9,000	1,000	$1,480	$6,923	$9,000	$2,250	$19,653	Afton Crest	2002	4	2
	Doe Trail Lane	30,960	3,440	$5,091	$23,815	$9,000	$7,740	$45,647	Buck Creek Estates	2004	4	2
	Buck Creek Drive	63,710	7,079	$10,477	$49,008	$9,000	$15,928	$84,412	Buck Creek Estates	2004	4	2
	Kenneth Lane	50,040	5,560	$8,229	$38,492	$9,000	$12,510	$68,231	Buck Creek Estates	2004	4	2
	Dukes Drive	28,080	3,120	$4,618	$21,600	$9,000	$7,020	$42,238	West Riding	1996	4	2
	Dukes Court	6,000	667	$987	$4,615	$9,000	$1,500	$16,102	West Riding	1996	4	2
	Washington Avenue	3,000	333	$493	$2,308	$9,000	$750	$12,551			4	2
	Riverside Avenue	3,500	389	$576	$2,692	$9,000	$875	$13,143			4	2
	Parkside Avenue	4,000	444	$658	$3,077	$9,000	$1,000	$13,735			4	2
	Morris Lane	8,700	967	$1,431	$6,692	$9,000	$2,175	$19,298			4	2
	Maplevale Drive	38,400	4,267	$6,315	$29,538	$9,000	$9,600	$54,453	Maplevale	1990	4	2
	Meadow Drive	22,800	2,533	$3,749	$17,538	$9,000	$5,700	$35,988	Maplevale	1990	4	2
						2035	Total	$1,208,799				
						2.5%	Inflation	$1,980,758				
						3.0%	Inflation	$2,183,225				
						3.5%	Inflation	$2,405,254				

Lower Makefield Township; 25-Year Road Improvements Plan

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	Adams Circle	22,970	2,552	$3,777	$17,669	$9,000	$5,743	$36,189	Yardley Hunt	2008	4	2
2036	Clinton Drive	56,880	6,320	$9,354	$43,754	$9,000	$14,220	$76,327	Yardley Hunt	2008	4	2
	Sumter Drive	52,200	5,800	$8,584	$40,154	$9,000	$13,050	$70,788	Yardley Hunt	2007	4	2
	Dekalb Drive	14,760	1,640	$2,427	$11,354	$9,000	$3,690	$26,471	Yardley Hunt	2007	4	2
	Lee Circle	25,850	2,872	$4,251	$19,885	$9,000	$6,463	$39,598	Yardley Hunt	2008	4	2
	Wayne Circle	25,850	2,872	$4,251	$19,885	$9,000	$6,463	$39,598	Yardley Hunt	2008	4	2
	Gates Circle	25,130	2,792	$4,132	$19,331	$9,000	$6,283	$38,746	Yardley Hunt	2008	4	2
	Hale Drive	12,240	1,360	$2,013	$9,415	$9,000	$3,060	$23,488	Yardley Hunt	2009	4	2
	Dawes Drive	56,520	6,280	$9,294	$43,477	$9,000	$14,130	$75,901	Yardley Hunt	2008	4	2
	Surrey Court	21,024	2,336	$3,457	$16,172	$9,000	$5,256	$33,886	Bridle Estates	2002	4	2
	Colts Lane	51,516	5,724	$8,472	$39,628	$9,000	$12,879	$69,978	Bridle Estates	2002	4	2
	Bridle Estates Drive	125,784	13,976	$20,684	$96,757	$9,000	$31,446	$157,887	Bridle Estates	2002	4	2
	Bedford Place	60,000	6,667	$9,867	$46,154	$9,000	$15,000	$80,021	Bedford Place	2004	4	2
	Chestnut Lane	17,940	1,993	$2,950	$13,800	$9,000	$4,485	$30,235	Bedford Place	2004	4	2
	Ivy Lane	29,100	3,233	$4,785	$22,385	$9,000	$7,275	$43,445	Bedford Place	2003	4	2
	Rosalind Run (Fox Hollow Drive to Page Drive)	41,400	4,600	$6,808	$31,846	$9,000	$10,350	$58,004	Yardley Estates	1994	4	2
	Long Acre Lane	124,540	13,838	$20,480	$95,800	$9,000	$31,135	$156,415	Yardley Estates	2012	4	1
	Leslie Lane	93,000	10,333	$15,293	$71,538	$9,000	$23,250	$119,082	Yardley Estates	2012	4	1
	Sylvan Terrace	26,600	2,956	$4,374	$20,462	$9,000	$6,650	$40,486	Cochrane Tract	1982	4	2
						2036	Total	$1,216,545				
						2.5%	Inflation	$2,043,287				
						3.0%	Inflation	$2,263,132				
						3.5%	Inflation	$2,505,391				

Lower Makefield Township; 25-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
	Timber Lakes Drive	48,570	5,397	$7,987	$37,362	$9,000	$12,143	$66,491	Timber Lakes	2005	4	2
2037	Pheasant Run Circle	25,470	2,830	$4,188	$19,592	$9,000	$6,368	$39,148	Timber Lakes	2005	4	2
	Overton Avenue	7,200	800	$1,184	$5,538	$9,000	$1,800	$17,522	Edgehill Gardens	2004	4	2
	Tower Circle	8,700	967	$1,431	$6,692	$9,000	$2,175	$19,298	Edgehill Gardens	2004	4	2
	Greenway Avenue	8,700	967	$1,431	$6,692	$9,000	$2,175	$19,298	Edgehill Gardens	2004	4	2
	Sunset Road	10,200	1,133	$1,677	$7,846	$9,000	$2,550	$21,073	Delavue	2007	4	2
	Delavue Road	26,200	2,911	$4,308	$20,154	$9,000	$6,550	$40,012	Delavue	2007	4	2
	Terracedale Road	18,800	2,089	$3,092	$14,462	$9,000	$4,700	$31,253	Delavue	2007	4	2
	Morningside Road	38,400	4,267	$6,315	$29,538	$9,000	$9,600	$54,453	Delavue	2007	4	2
	North Crescent Boulevard	34,200	3,800	$5,624	$26,308	$9,000	$8,550	$49,482	Delavue	2007	4	2
	Deerpath Lane	35,280	3,920	$5,802	$27,138	$9,000	$8,820	$50,760	Delavue	2007	4	2
	Alton Road	11,500	1,278	$1,891	$8,846	$9,000	$2,875	$22,612	Delavue	2007	4	2
	Collins Grant Court	14,184	1,576	$2,332	$10,911	$9,000	$3,546	$25,789	Boxwood Farm	2011	4	2
	Williams Lane	17,400	1,933	$2,861	$13,385	$9,000	$4,350	$29,596	Makefield Heights	2009	4	2
	Derbyshire Road	50,700	5,633	$8,337	$39,000	$9,000	$12,675	$69,012	Rock Run	2009	4	2
	Roelofs Court	16,560	1,840	$2,723	$12,738	$9,000	$4,140	$28,602	Queens Grant	2009	4	2
	Roelofs Road (Makefield to Ramsey)	38,520	4,280	$6,334	$29,631	$9,000	$9,630	$54,595	Queens Grant	2007	3	2
	Old Oxford Valley Road	22,000	2,444	$3,618	$16,923	$9,000	$5,500	$35,041		2010	4	2
	Hidden Pond Drive	41,820	4,647	$6,877	$32,169	$9,000	$10,455	$58,501	Hidden Pond	2006	4	2
	Stackhouse Drive	8,600	956	$1,414	$6,615	$9,000	$2,150	$19,180	Fairfield Terrace	2006	4	2
	Stacy Drive	10,000	1,111	$1,644	$7,692	$9,000	$2,500	$20,837	Fairfield Terrace	2006	4	2
	Clarendon Court	36,120	4,013	$5,940	$27,785	$9,000	$9,030	$51,754	Woods at Makefield	2005	4	2
	Clearview Drive	66,528	7,392	$10,940	$51,175	$9,000	$16,632	$87,748	Clearview Estates	2002	4	2
	Hayfield Drive	44,352	4,928	$7,293	$34,117	$9,000	$11,088	$61,498	Clearview Estates	2002	4	2
	Cart Path Court	11,090	1,232	$1,824	$8,531	$9,000	$2,773	$22,127	Clearview Estates	2002	4	2
	Old Farm Court	11,090	1,232	$1,824	$8,531	$9,000	$2,773	$22,127	Clearview Estates	2002	4	2
	Surrey Brooke Court	7,920	880	$1,302	$6,092	$9,000	$1,980	$18,375	Clearview Estates	2002	4	2
	Bramble Court	7,920	880	$1,302	$6,092	$9,000	$1,980	$18,375	Clearview Estates	2002	4	2
	Prospect Farm Drive	41,174	4,575	$6,771	$31,672	$9,000	$10,294	$57,737	Estates at Prospect Manor	2005	4	2
	Enoch Court	19,894	2,210	$3,271	$15,303	$9,000	$4,974	$32,548	Estates at Prospect Manor	2005	4	2
	Prince William Court	25,800	2,867	$4,243	$19,846	$9,000	$6,450	$39,539	Sanctuary	1996	4	2
	Glen Oak Drive	32,760	3,640	$5,387	$25,200	$9,000	$8,190	$47,777	Glen Oaks	2002	4	2

2037	Total	1,232,161
2.5%	Inflation	$2,121,253
3.0%	Inflation	$2,360,948
3.5%	Inflation	$2,626,365

Lower Makefield Township; 25-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
	Wilshire Drive	32,850	3,650	$5,402	$25,269	$9,000	$8,213	$47,884	Wilshire Glen	2007	4	2
2038	Holly Court	15,490	1,721	$2,547	$11,915	$9,000	$3,873	$27,335	Wilshire Glen	2007	4	2
	Pine Lane East	9,200	1,022	$1,513	$7,077	$9,000	$2,300	$19,890	Wilshire Glen	2007	4	2
	Barbara Lane	1,350	150	$222	$1,038	$9,000	$338	$10,598	Wilshire Glen	2007	4	2
	Radcliffe Road	7,360	818	$1,210	$5,662	$9,000	$1,840	$17,712	Westover	2006	4	2
	Westover Court	4,160	462	$684	$3,200	$9,000	$1,040	$13,924	Westover	2009	4	2
	Keating Drive	57,240	6,360	$9,413	$44,031	$9,000	$14,310	$76,754	Oak Tree Farms	1989	4	2
	Quarry Hill Court	23,880	2,653	$3,927	$18,369	$9,000	$5,970	$37,266	Quarry Commons	2012	4	2
	Ash Lane	5,000	556	$822	$3,846	$9,000	$1,250	$14,918	Quarry Commons	2013	4	2
	Mill Road	70,970	7,886	$11,671	$54,592	$9,000	$17,743	$93,005	Mill Run	2012	3	1
	Roelofs Road (Derbyshire to Bluestone)	57,480	6,387	$9,452	$44,215	$9,000	$14,370	$77,038	Wyndham	2013	3	1
	Revere Road (between Madison and Sumter)	182,160	20,240	$29,955	$140,123	$9,000	$45,540	$224,618	Yardley Hunt	2006	4	2
	Canterbury Drive	14,760	1,640	$2,427	$11,354	$9,000	$3,690	$26,471	Yardley Hunt	2008	4	2
	Hudson Drive	57,600	6,400	$9,472	$44,308	$9,000	$14,400	$77,180	Yardley Hunt	2004	4	2
	Madison Drive	77,040	8,560	$12,669	$59,262	$9,000	$19,260	$100,190	Yardley Hunt	2005	4	2
	Winthrop Drive	49,320	5,480	$8,110	$37,938	$9,000	$12,330	$67,379	Yardley Hunt	2004	4	2
	Stark Circle	21,530	2,392	$3,540	$16,562	$9,000	$5,383	$34,485	Yardley Hunt	2004	4	2
	Ward Drive	48,960	5,440	$8,051	$37,662	$9,000	$12,240	$66,953	Yardley Hunt	2005	4	2
	Monroe Drive	13,320	1,480	$2,190	$10,246	$9,000	$3,330	$24,767	Yardley Hunt	2008	4	2
	Salem Court	15,770	1,752	$2,593	$12,131	$9,000	$3,943	$27,667	Yardley Hunt	2000	4	2
	Knox Drive	121,680	13,520	$20,010	$93,600	$9,000	$30,420	$153,030	Yardley Hunt	2008	4	2
						2038	Total	1,239,062				
						2.5%	Inflation	$2,186,462				
						3.0%	Inflation	$2,445,396				
						3.5%	Inflation	$2,733,513				

Lower Makefield Township; 25-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
	Lexington Drive	87,840	9,760	$14,445	$67,569	$9,000	$21,960	$112,974	Yardley Hunt	2008	4	2
2039	Whitehall Drive	7,560	840	$1,243	$5,815	$9,000	$1,890	$17,949	Yardley Hunt	2008	4	2
	Buford Drive	58,610	6,512	$9,638	$45,085	$9,000	$14,653	$78,375	Yardley Hunt	2009	4	2
	Knox Court	9,650	1,072	$1,587	$7,423	$9,000	$2,413	$20,422	Yardley Hunt	2000	4	2
	Kent Drive	7,500	833	$1,233	$5,769	$9,000	$1,875	$17,878	Valleywood	2007	4	2
	Noreen Drive	48,000	5,333	$7,893	$36,923	$9,000	$12,000	$65,816	Valleywood	2005	4	2
	Valley Drive	31,200	3,467	$5,131	$24,000	$9,000	$7,800	$45,931	Valleywood	2005	4	2
	Gordon Drive	36,900	4,100	$6,068	$28,385	$9,000	$9,225	$52,678	Valleywood	1989	4	2
	Delaware Rim Drive	63,960	7,107	$10,518	$49,200	$9,000	$15,990	$84,708	Chanticleer	1999	4	2
	Dyers Lane	29,000	3,222	$4,769	$22,308	$9,000	$7,250	$43,327	Chanticleer	2011	4	2
	Bray Lane	8,250	917	$1,357	$6,346	$9,000	$2,063	$18,765	Chanticleer	2011	4	2
	Sandy Drive	34,200	3,800	$5,624	$26,308	$9,000	$8,550	$49,482	Makefield Village	2009	4	2
	Patrick Lane	24,000	2,667	$3,947	$18,462	$9,000	$6,000	$37,408	Makefield Village	2009	4	2
	Rita Road	30,900	3,433	$5,081	$23,769	$9,000	$7,725	$45,576	Makefield village	2009	4	2
	Sanner Drive	7,950	883	$1,307	$6,115	$9,000	$1,988	$18,410	Makefield Village	2009	4	2
	Sandy Run Road	109,980	12,220	$18,086	$84,600	$9,000	$27,495	$139,181	Snady Run	2013	3	1
	Glen Valley Road	22,000	2,444	$3,618	$16,923	$9,000	$5,500	$35,041	West Acres, Glenwood	2013	4	1
	Crown Terrace (West)	51,320	5,702	$8,439	$39,477	$9,000	$12,830	$69,746	West Acres, Glenwood	2013	4	1
	Evergreen Road	60,600	6,733	$9,965	$46,615	$9,000	$15,150	$80,731	West Acres, Glenwood	2013	4	1
	Townsend Road	16,740	1,860	$2,753	$12,877	$9,000	$4,185	$28,815	Cochrane Tract	2009	4	2
	East School Lane	20,200	2,244	$3,322	$15,538	$9,000	$5,050	$32,910	Cochrane Tract	2009	4	2
	West School Lane	33,100	3,678	$5,443	$25,462	$9,000	$8,275	$48,180	Cochrane Tract	2005	4	2
	Odessa Lane	10,140	1,127	$1,667	$7,800	$9,000	$2,535	$21,002	Meetinghouse Glen	2003	4	2
	Meetinghouse Lane	32,102	3,567	$5,279	$24,694	$9,000	$8,026	$46,998	Meetinghouse Glen	2003	4	2
						2039	Total	1,212,302				
						2.5%	Inflation	$2,192,722				
						3.0%	Inflation	$2,464,360				
						3.5%	Inflation	$2,768,083				

Lower Makefield Township; 25-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
	Schuyler Road	201,200	22,356	$33,086	$154,769	$9,000	$50,300	$247,155	Collector	2014	2	1
2040	Amberwood Drive	10,000	1,111	$1,644	$7,692	$9,000	$2,500	$20,837	Mill Road Estates		4	2
	Arbor Court	5,000	556	$822	$3,846	$9,000	$1,250	$14,918	Mill Road Estates		4	2
	Hearthstone Drive	36,000	4,000	$5,920	$27,692	$9,000	$9,000	$51,612	Mill Road Estates		4	2
	Landmark Road	30,000	3,333	$4,933	$23,077	$9,000	$7,500	$44,510	Mill Road Estates		4	2
	Emerald Drive (overlook to acorn)	41,040	4,560	$6,749	$31,569	$9,000	$10,260	$57,578	Oxford Glen, Yardley Oaks	2013	4	2
	Heritage Oak Drive	132,050	14,672	$21,715	$101,577	$9,000	$33,013	$165,304	Heritage Oaks	2013	4	1
	Penn Oak Circle	11,810	1,312	$1,942	$9,085	$9,000	$2,953	$22,979	Heritage Oaks	2013	4	1
	Sunnyside Lane	28,620	3,180	$4,706	$22,015	$9,000	$7,155	$42,877	Sunny Knolls	2014	4	1
	Spur Road	9,540	1,060	$1,569	$7,338	$9,000	$2,385	$20,292	Sunny Knolls	2014	4	1
	Harvard Drive	50,100	5,567	$8,239	$38,538	$9,000	$12,525	$68,302	Sandy Run II	2014	4	1
	University Drive	179,100	19,900	$29,452	$137,769	$9,000	$44,775	$220,996	Sandy Run II	2014	4	1
	Princeton Drive	17,100	1,900	$2,812	$13,154	$9,000	$4,275	$29,241	Sandy Run II	2014	4	1
	Layfayette Drive	42,000	4,667	$6,907	$32,308	$9,000	$10,500	$58,714	Sandy Run II	2014	4	1
	Georgian Court	13,150	1,461	$2,162	$10,115	$9,000	$3,288	$24,565	Brookshire Estates	2011	4	2
	Graystone Lane	9,000	1,000	$1,480	$6,923	$9,000	$2,250	$19,653	Brookshire Estates	2001	4	2
	Peyton Drive	13,320	1,480	$2,190	$10,246	$9,000	$3,330	$24,767	Brookshire Estates	2011	4	2
	Tristen Drive	18,040	2,004	$2,967	$13,877	$9,000	$4,510	$30,354	Brookshire Estates	2011	4	2
	Pennsbury Court	18,000	2,000	$2,960	$13,846	$9,000	$4,500	$30,306	North of Makefield Village	2009	4	1
	Prospect Avenue	7,300	811	$1,200	$5,615	$9,000	$1,825	$17,641			4	2
	Robinson Place	4,500	500	$740	$3,462	$9,000	$1,125	$14,327			4	2
	Warwick Road	10,400	1,156	$1,710	$8,000	$9,000	$2,600	$21,310			4	2
						2040	Total	$1,248,240				
						2.5%	Inflation	$2,314,166				
						3.0%	Inflation	$2,613,536				
						3.5%	Inflation	$2,949,896				

Lower Makefield Township; 25-Year Road Improvements Plan

Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved
PRIVATE AND NON-DEDICATED ROADS:									
Alder Court								Heacock Meadows	
Ballytore Court								Yardley Corner	
Bayberry Lane								Heacock Meadows	
Bayley Lane								Heacock Meadows	
Berrel Court								Palmer Farms	
Brian Court								Quarry Road	
Brookhaven Drive								Makefield Glen	
Buchanan Way								Regency at Yardley	
Butterfly Court								Tanglewood	
Carson Way								Regency at Yardley	
Cedar Hollow Drive								Makefield Glen	
Chapman's Court								Freeman's Field	
Clover Hill Court								Yardley Corner	
Coolidge Way								Regency at Yardley	
Cornerstone Drive								Cornerstone	
Coventry Court								Yardley Corner	
Danbury Court								Makefield Glen	
Devon Court								Yardley Corner	
Filmore Way								Regency at Yardley	
Floral Vale Blvd								Floral Vale	
Franklin Circle								Palmer Farms	
Garfield Way								Regency at Yardley	
Gaucks Lane								Brookshire Estates	
Grant Way								Regency at Yardley	
Gregg Court								Palmer Farms	
Haines Way								Regency at Yardley	
Hawthorne Lane								Heacock Meadows	
Hayes Way								Regency at Yardley	
Hoover Way								Regency at Yardley	
Hunters Court								Yardley Corner	
Janney Lane								Heacock Meadows	
Jase Drive								Brookside Estates	
Johnson Way								Regency at Yardley	
Kathy Drive								Belmondo	
Kennedy Way								Regency at Yardley	
Kirkbridge Circle								Palmer Farms	
Knight Circle								Palmer Farms	
Larch Court								Heacock Meadows	
Lipmann Lane								Off River Road	
Littlecroft Court								Yardley Corner	
Lock Ridge Way								Yardley Estates	
Lynbrooke Drive								Brookstone	
Palmer Lane								Heacock Meadows	
Palmer Farm Drive								Palmer Farms	
Parkside Avenue								Off River Road	
Payten Drive								Brookshire Estates	
Pierce Way								Regency at Yardley	
Pine Grove Road								State Road (Yardley Morrisville)	
Polk Way								Regency at Yardley	

Road Usage Rating (1-5)
1=ARTERIAL
2= COLLECTOR
3= CONNECTOR
4=SUBDIVISION
5= DEAD END

Surface Condition Rating (1-5)
1=NEW
2=SM CRACKS
3=FEW HOLES
4=Some BASE
5=TOTAL REBUILD

Lower Makefield Township; 25-Year Road Improvements Plan

Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved
Polo Run Drive								Polo Run	
Quail Court								Heacock Meadows	
Regency Blvd								Regency at Yardley	
Renaissance Blvd								Regency at Yardley	
Ridge Road								In Morrisville Borogh	
Roosevelt Drive								Regency at Yardley	
Satter Court								Palmer Farms	
Scott Court								Palmer Farms	
Sebastion Way								Regency at Yardley	
Sheffield Drive (Rd.)								Makefield Estates	
South Dove Road								Heacock Meadows	
Spring Mill Court								Yardlley Corner	
Springtree Lane								Private off Black Rock Rd.	
Spruce Mill Drive								Makefield Glen	
Sterling Road								Brookstone	
Tall Pines Road								Yardley Corner	
Tomlinson Lane								Heacock Meadows	
Truman Way								Regency at Yardley	
Tyler Way								Regency at Yardley	
Umbrell Way								Regency at Yardley	
Walther Court								Makefield Glen	
Waterford Road								Brookstone	
Woodford Lane								Heacock Meadows	
Yellow Springs Court								Yardley Corner	

Road Usage Rating (1-5)	Surface Condition Rating (1-5)
1=ARTERIAL	1=NEW
2= COLLECTOR	2=SM CRACKS
3= CONNECTOR	3=FEW HOLES
4=SUBDIVISION	4=Some BASE
5= DEAD END	5=TOTAL REBUILD

Lower Makefield Township; 30-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD	
				$ 1.48	$ 6.92	$ 9,000.00	$ 45.00						
2015	Township Line Road (RR to Yardley-Langhorne Road)	110,193	12,244	$18,121	$84,764	$9,000	$27,548	$139,433	Arterial	1988	1	4	8.6
	Flint Court	34,060	3,784	$5,601	$26,200	$9,000	$8,515	$49,316	Stony Hill Homes	1977	4	3	1.9
	Yale Drive	50,760	5,640	$8,347	$39,046	$9,000	$12,690	$69,083	Sandy Run I & II	1987	4	3	2.8
	Albright Drive	43,200	4,800	$7,104	$33,231	$9,000	$10,800	$60,135	Sandy Run II	1987	3	3	2.9
	Cornell Drive	26,100	2,900	$4,292	$20,077	$9,000	$6,525	$39,894	Sandy Run II	1987	3	3	1.7
	Pratt Drive	18,600	2,067	$3,059	$14,308	$9,000	$4,650	$31,016	Sandy Run II	1987	3	3	1.2
	Fordham Drive	6,600	733	$1,085	$5,077	$9,000	$1,650	$16,812	Sandy Run II	1987	3	3	0.4
	Oakdale Road	37,800	4,200	$6,216	$29,077	$9,000	$9,450	$53,743	Oakdale	1988	4	4	1.7
	Springdale Terrace (to Hickory)	30,300	3,367	$4,983	$23,308	$9,000	$7,575	$44,865	Oakdale	1988	4	4	1.3
	Springdale Terrace (Finish)	63,600	7,067	$10,459	$48,923	$9,000	$15,900	$84,282	Hickory Hills	1985	4	3	3.5
	S. Crescent	130,000	14,444	$21,378	$100,000	$9,000	$32,500	$162,878	Makefield Manor	1983	4	4	5.8
	Woodland Drive	26,600	2,956	$4,374	$20,462	$9,000	$6,650	$40,486	Cochrane Tract	1982	4	3	1.5

2015	Total	$791,943
2.50%	Inflation	$791,943
3.00%	Inflation	$791,943
3.50%	Inflation	$791,943

Color Code:

ARTERIAL ROAD

COLLECTOR ROAD

Road Condition Data Input

2015

Last Paved (1979 to 1988)

Pavement Age (27 to 36 Years)

Lower Makefield Township; 30-Year Road Improvements Plan

Total Cost of Improvements	$	31,581,682	
Avg. $/year for 20 years	$	1,579,084	
Avg. $/year for 25 years	$	1,263,267	$ 315,817
Avg. $/year for 30 years	$	1,052,723	$ 210,545
Total Square Footage:		21,790,266	
Miles at 28 ft. width		147.39	
Miles at 32 ft. width		128.97	
Miles at 34		121.38	
		724,204.80	
Avg. Width of Roads		30.09	ft

33.4

Sum of All Road Scores	1485.25	2015 sum is:	1485.25
2015 Correction Factor:	14.8525	(For 2015 shape factor to equal 100.00)	

Overall Shape of Roads Relative Factor: 100.00 **"Road Condition Factor"**

Lower Makefield Township; 30-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD	
				$ 1.48	$ 6.92	$ 9,000.00	$ 45.00						
2015	Township Line Road (RR to Yardley-Langhorne Road)	110,193	12,244	$18,121	$84,764	$9,000	$27,548	$139,433	Arterial	1988	1	1	12.2
	Flint Court	34,060	3,784	$5,601	$26,200	$9,000	$8,515	$49,316	Stony Hill Homes	1977	4	1	2.6
	Yale Drive	50,760	5,640	$8,347	$39,046	$9,000	$12,690	$69,083	Sandy Run I & II	1987	4	1	3.9
	Albright Drive	43,200	4,800	$7,104	$33,231	$9,000	$10,800	$60,135	Sandy Run II	1987	3	1	3.8
	Cornell Drive	26,100	2,900	$4,292	$20,077	$9,000	$6,525	$39,894	Sandy Run II	1987	3	1	2.3
	Pratt Drive	18,600	2,067	$3,059	$14,308	$9,000	$4,650	$31,016	Sandy Run II	1987	3	1	1.7
	Fordham Drive	6,600	733	$1,085	$5,077	$9,000	$1,650	$16,812	Sandy Run II	1987	3	1	0.6
	Oakdale Road	37,800	4,200	$6,216	$29,077	$9,000	$9,450	$53,743	Oakdale	1988	4	1	2.9
	Springdale Terrace (to Hickory)	30,300	3,367	$4,983	$23,308	$9,000	$7,575	$44,865	Oakdale	1988	4	1	2.4
	Springdale Terrace (Finish)	63,600	7,067	$10,459	$48,923	$9,000	$15,900	$84,282	Hickory Hills	1985	4	1	4.9
	S. Crescent	130,000	14,444	$21,378	$100,000	$9,000	$32,500	$162,878	Makefield Manor	1983	4	1	10.1
	Woodland Drive	26,600	2,956	$4,374	$20,462	$9,000	$6,650	$40,486	Cochrane Tract	1982	4	1	2.1

2015	Total	$791,943
2.50%	Inflation	$791,943
3.00%	Inflation	$791,943
3.50%	Inflation	$791,943

Color Code:

ARTERIAL ROAD

COLLECTOR ROAD

Road Condition Data Input

2015

Last Paved (1979 to 1988)

Pavement Age (27 to 36 Years)

Lower Makefield Township; 30-Year Road Improvements Plan

Total Cost of Improvements	$	31,581,682	
Avg. $/year for 20 years	$	1,579,084	
Avg. $/year for 25 years	$	1,263,267	$ 315,817
Avg. $/year for 30 years	$	1,052,723	$ 210,545
Total Square Footage:		21,790,266	
Miles at 28 ft. width		147.39	
Miles at 32 ft. width		128.97	
Miles at 34		121.38	
		724,204.80	
Avg. Width of Roads		30.09	ft

49.7

Sum of All Road Scores	1501.52	2015 sum is:	1485.25
2015 Correction Factor:	14.8525	(For 2015 shape factor to equal 100.00)	

Overall Shape of Roads Relative Factor: 101.10 **"Road Condition Factor"**

ASSUME: 2015 Road Condition is 1 (NEW)

Lower Makefield Township; 30-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
				$ 1.48	$ 6.92	$ 9,000.00	$ 45.00					
2015	Township Line Road (RR to Yardley-Langhorne Road)	110,193	12,244	$18,121	$84,764	$9,000	$27,548	$139,433	Arterial	1988	1	4
	Flint Court	34,060	3,784	$5,601	$26,200	$9,000	$8,515	$49,316	Stony Hill Homes	1977	4	3
	Yale Drive	50,760	5,640	$8,347	$39,046	$9,000	$12,690	$69,083	Sandy Run I & II	1987	4	3
	Albright Drive	43,200	4,800	$7,104	$33,231	$9,000	$10,800	$60,135	Sandy Run II	1987	3	3
	Cornell Drive	26,100	2,900	$4,292	$20,077	$9,000	$6,525	$39,894	Sandy Run II	1987	3	3
	Pratt Drive	18,600	2,067	$3,059	$14,308	$9,000	$4,650	$31,016	Sandy Run II	1987	3	3
	Fordham Drive	6,600	733	$1,085	$5,077	$9,000	$1,650	$16,812	Sandy Run II	1987	3	3
	Oakdale Road	37,800	4,200	$6,216	$29,077	$9,000	$9,450	$53,743	Oakdale	1988	4	4
	Springdale Terrace (to Hickory)	30,300	3,367	$4,983	$23,308	$9,000	$7,575	$44,865	Oakdale	1988	4	4
	Springdale Terrace (Finish)	63,600	7,067	$10,459	$48,923	$9,000	$15,900	$84,282	Hickory Hills	1985	4	3
	S. Crescent	130,000	14,444	$21,378	$100,000	$9,000	$32,500	$162,878	Makefield Manor	1983	4	4
	Woodland Drive	26,600	2,956	$4,374	$20,462	$9,000	$6,650	$40,486	Cochrane Tract	1982	4	3
						2015	Total	$791,943				
						2.50%	Inflation	$791,943				
						3.00%	Inflation	$791,943				
						3.50%	Inflation	$791,943				

Color Code:

ARTERIAL ROAD

COLLECTOR ROAD

Road Condition Data Input

2015

Last Paved (1979 to 1988)

Pavement Age (27 to 36 Years)

Lower Makefield Township; 30-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
	Mt. Eyre Road	110,718	12,302	$18,207	$85,168	$9,000	$27,680	$140,054	Collector		2	4
	Woodside Road (between River and Dolington)	196,714	21,857	$32,349	$151,318	$9,000	$49,179	$241,845	Collector	Unknown	2	4
	Woodside Road (between Lindenhurst & Dolington)	120,834	13,426	$19,870	$92,949	$9,000	$30,209	$152,028	Collector	Unknown	2	3
2016	Pennsdale Drive	16,800	1,867	$2,763	$12,923	$9,000	$4,200	$28,886	Oakdale	1988	4	3
	Daleview Court	7,500	833	$1,233	$5,769	$9,000	$1,875	$17,878	Oakdale	1988	4	3
	Pevsner Drive (to Hickory)	20,100	2,233	$3,305	$15,462	$9,000	$5,025	$32,792	Oakdale	1988	4	3
	Daleview Drive	49,900	5,544	$8,206	$38,385	$9,000	$12,475	$68,065	Oakdale	1988	4	3
	Pevsner Drive (Finish)	31,200	3,467	$5,131	$24,000	$9,000	$7,800	$45,931	Hickory Hills	1988	4	4
	Hickory Road	31,800	3,533	$5,229	$24,462	$9,000	$7,950	$46,641	Hickory Hills	1988	4	4
	Anderson Road	39,300	4,367	$6,463	$30,231	$9,000	$9,825	$55,518	Hickory Hills	1979	4	4
						2016	Total	$829,638				
						2.5%	Inflation	$850,379				
						3.0%	Inflation	$854,528				
						3.5%	Inflation	$858,676				

2016

Last Paved (1979 to1988)
Pavement Age (27 to 36 Years)

Lower Makefield Township; 30-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
2017	Black Rock Road (between Canal Bridge and Yardley Morrisvile	42,505	4,723	$6,990	$32,696	$9,000	$10,626	$59,312	Collector	1979	2	3
	Quarry Road	155,296	17,255	$25,538	$119,458	$9,000	$38,824	$192,820	Collector	1979	2	3
	Black Rock Road (between Canal Bridge and River Road)	62,470	6,941	$10,273	$48,054	$9,000	$15,618	$82,944	Collector	1979	2	3
	Sherwood Drive	71,640	7,960	$11,781	$55,108	$9,000	$17,910	$93,798	Wynnewood II	1988	3	4
	Forrest Road	37,800	4,200	$6,216	$29,077	$9,000	$9,450	$53,743	Wynnewood II	1988	3	4
	Woodbrook Drive	7,650	850	$1,258	$5,885	$9,000	$1,913	$18,055	Wynnewood II	1988	4	4
	Nottingham Drive	48,240	5,360	$7,933	$37,108	$9,000	$12,060	$66,100	Wynnewood II	1985	4	4
	Robinhood Drive	60,840	6,760	$10,005	$46,800	$9,000	$15,210	$81,015	Wynnewood II	1988	4	4
	Wynnewood Drive	15,120	1,680	$2,486	$11,631	$9,000	$3,780	$26,897	Wynnewood II	1981	4	4
	Lawndale Road	33,280	3,698	$5,473	$25,600	$9,000	$8,320	$48,393	Green Acres	1983	4	3
	Fayette Drive	13,600	1,511	$2,236	$10,462	$9,000	$3,400	$25,098	Green Acres	1983	4	3
	Apple Blossom Drive	46,080	5,120	$7,578	$35,446	$9,000	$11,520	$63,544	Bexley Orchards	1986	4	3
	Twin Circle Court (including North Circle and South Circle)	25,048	2,783	$4,119	$19,268	$9,000	$6,262	$38,649	Makefield Manor	1983	4	3

2017	Total	$850,368
2.5%	Inflation	$893,418
3.0%	Inflation	$902,156
3.5%	Inflation	$910,936

2017

Last Paved (1979 to 2005)
Pavement Age (10 to 36 Years)

Lower Makefield Township; 30-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
2018	South Milton Road	39,800	4,422	$6,545	$30,615	$9,000	$9,950	$56,110	Wynnewood II	1981	4	4
	Friar Drive	119,160	13,240	$19,595	$91,662	$9,000	$29,790	$150,047	Wynnewood II	1981	4	4
	Trend Drive	45,000	5,000	$7,400	$34,615	$9,000	$11,250	$62,265	Wynnewood II	1981	4	4
	Teich Drive	37,080	4,120	$6,098	$28,523	$9,000	$9,270	$52,891	Wynnewood II	1981	4	4
	Barn Drive	22,120	2,458	$3,638	$17,015	$9,000	$5,530	$35,183	Makefield Hamlet	1981	4	3
	Lenape Lane	46,370	5,152	$7,625	$35,669	$9,000	$11,593	$63,887	Yardley Meadows	1985	4	4
	Buck Creek Circle	19,430	2,159	$3,195	$14,946	$9,000	$4,858	$31,999	Buck Creek Estates	1984	4	3
	Moon Circle	9,300	1,033	$1,529	$7,154	$9,000	$2,325	$20,008	Wynnewood I	1983	4	3
	Moon Drive	52,660	5,851	$8,660	$40,508	$9,000	$13,165	$71,332	Wynnewood I	1983	4	3
	Byron Drive	14,080	1,564	$2,315	$10,831	$9,000	$3,520	$25,666	Wynnewood I	1983	4	3
	Hunt Drive	123,840	13,760	$20,365	$95,262	$9,000	$30,960	$155,586	Hunt Estates	1985	4	3
	Windrow Lane	23,690	2,632	$3,896	$18,223	$9,000	$5,923	$37,041	Hunt Estates	1985	4	3
	South Drive	30,100	3,344	$4,950	$23,154	$9,000	$7,525	$44,629	Cochrane Tract	2005	4	3
	Lakeview Circle	26,300	2,922	$4,325	$20,231	$9,000	$6,575	$40,131	Tanglewood	1986	4	3
						2018	Total	$846,775				
						2.5%	Inflation	$893,418				
						3.0%	Inflation	$902,156				
						3.5%	Inflation	$910,936				

2018

Last Paved (1979 to 2005)
Pavement Age (10 to 36 Years)

Lower Makefield Township; 30-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
2019	Heacock Road	113,044	12,560	$18,589	$86,957	$9,000	$28,261	$142,807	Collector	1985	2	3
	Edgewood Road (from Oxford Valley Road to Yardley Morrisville Road)	198,854	22,095	$32,700	$152,965	$9,000	$49,714	$244,379	Collector	1986	2	3
	Makefield Road (from S. Homestead Rd. to Big Oak Rd.)	141,703	15,745	$23,302	$109,002	$9,000	$35,426	$176,730	Collector	2011	2	3
	Creamery Road	118,000	13,111	$19,404	$90,769	$9,000	$29,500	$148,674	Collector	2010	2	2
	Cultipacker Road	63,720	7,080	$10,478	$49,015	$9,000	$15,930	$84,424	Mirror Lake Farms	1979	4	4
	Flail Drive	21,600	2,400	$3,552	$16,615	$9,000	$5,400	$34,567	Mirror Lake Farms	1979	4	4
	Stapler Drive	83,150	9,239	$13,674	$63,962	$9,000	$20,788	$107,423	Mirror Lake Farms	1979	4	4
	Planter Drive	15,480	1,720	$2,546	$11,908	$9,000	$3,870	$27,323	Mirror Lake Farms	1979	4	4
	Drill Road	11,520	1,280	$1,894	$8,862	$9,000	$2,880	$22,636	Mirror Lake Farms	1979	4	4
						2019	Total	$988,963				
						2.5%	Inflation	$1,091,630				
						3.0%	Inflation	$1,113,086				
						3.5%	Inflation	$1,134,858				

2019

Last Paved (1979 to 2005)
Pavement Age (10 to 36 Years)

Lower Makefield Township; 30-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
	Oxford Valley (Between Heacock and Stony Hill)	144,711	16,079	$23,797	$111,316	$9,000	$36,178	$180,291	Collector	1986	2	3
2020	Combine Drive	52,780	5,864	$8,679	$40,600	$9,000	$13,195	$71,474	Mirror Lake Farms	1979	4	3
	Disk Road	11,520	1,280	$1,894	$8,862	$9,000	$2,880	$22,636	Mirror Lake Farms	1979	4	3
	Harvest Drive	55,440	6,160	$9,117	$42,646	$9,000	$13,860	$74,623	Mirror Lake Farms	1979	4	3
	Silo Road	162,000	18,000	$26,640	$124,615	$9,000	$40,500	$200,755	Mirror Lake Farms	1979	4	3
	Lehigh Drive	35,100	3,900	$5,772	$27,000	$9,000	$8,775	$50,547	Sandy Run	1987	4	3
	Rickert Drive	37,800	4,200	$6,216	$29,077	$9,000	$9,450	$53,743	Wynnewood I	1983	4	4
	Milton Drive	31,400	3,489	$5,164	$24,154	$9,000	$7,850	$46,167	Wynnewood I	1983	3	4
	Keats Drive	18,400	2,044	$3,026	$14,154	$9,000	$4,600	$30,780	Wynnewood I	1983	3	4
	Shelley Lane	7,800	867	$1,283	$6,000	$9,000	$1,950	$18,233	Wynnewood I	1983	3	4
	St James Place	19,400	2,156	$3,190	$14,923	$9,000	$4,850	$31,963	Makefield Manor	1983	4	4
	Gayle Drive	70,920	7,880	$11,662	$54,554	$9,000	$17,730	$92,946	Ashley Estates	1983	4	3
	Andrea Place	11,810	1,312	$1,942	$9,085	$9,000	$2,953	$22,979	Ashley Estates	1983	4	3
	Jenny Drive	62,500	6,944	$10,278	$48,077	$9,000	$15,625	$82,980	Ashley Estates	1983	4	3
						2020	Total	$980,118				
						2.5%	Inflation	$1,108,913				
						3.0%	Inflation	$1,136,225				
						3.5%	Inflation	$1,164,072				

2020

Last Paved (1977 to 1986)
Pavement Age (31 to 38 Years)

Lower Makefield Township; 30-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
	Oxford Valley (Between Stoney Hill and Edgewood)	225,658	25,073	$37,108	$173,583	$9,000	$56,415	$276,106	Collector	1986	2	3
2021	Beech Court	13,310	1,479	$2,189	$10,238	$9,000	$3,328	$24,755	Quarry Commons	1978	4	3
	Heather Circle	30,000	3,333	$4,933	$23,077	$9,000	$7,500	$44,510	Quarry Commons	1978	4	3
	Innis Lane	31,500	3,500	$5,180	$24,231	$9,000	$7,875	$46,286	Quarry Commons	1978	4	3
	Pebble Court	12,000	1,333	$1,973	$9,231	$9,000	$3,000	$23,204	Quarry Commons	1978	4	3
	Quarry Commons Drive	52,000	5,778	$8,551	$40,000	$9,000	$13,000	$70,551	Quarry Commons	1978	4	3
	Brock Creek Entry	7,560	840	$1,243	$5,815	$9,000	$1,890	$17,949	Yardley Meadows	1979	4	3
	Brock Creek Drive	64,440	7,160	$10,597	$49,569	$9,000	$16,110	$85,276	Yardley Meadows	1979	4	3
	Thrush Court (N)	7,920	880	$1,302	$6,092	$9,000	$1,980	$18,375	Rose Hollow	1985	4	3
	Trellis Circle	19,730	2,192	$3,244	$15,177	$9,000	$4,933	$32,354	Rose Hollow	1985	4	3
	Lance Drive	16,550	1,839	$2,722	$12,731	$9,000	$4,138	$28,590	Buck Creek Estates II & III	1984	4	3
	Schultz Lane	19,430	2,159	$3,195	$14,946	$9,000	$4,858	$31,999	Buck Creek Estates II & III	1984	4	3
	Highview Drive	28,560	3,173	$4,697	$21,969	$9,000	$7,140	$42,806	Highview Estates	1985	4	3
	Scammell Drive	35,000	3,889	$5,756	$26,923	$9,000	$8,750	$50,429	Highview Estates	1985	3	3
	Emerald Drive (Oxford Valley to Woodview Road)	72,720	8,080	$11,958	$55,938	$9,000	$18,180	$95,077	N/A	1998	4	3
	Cinnabar Lane (old section)	32,760	3,640	$5,387	$25,200	$9,000	$8,190	$47,777	Stony Hill Homes	1977	4	3
	Crystal Court	17,210	1,912	$2,830	$13,238	$9,000	$4,303	$29,371	Stony Hill Homes	1977	4	3
	Fieldstone Court	33,700	3,744	$5,542	$25,923	$9,000	$8,425	$48,890	Stony Hill Homes	1977	4	3
	Marble Court	20,450	2,272	$3,363	$15,731	$9,000	$5,113	$33,206	Stony Hill Homes	1977	4	3
						2021	Total	$1,047,509				
						2.5%	Inflation	$1,214,789				
						3.0%	Inflation	$1,250,781				
						3.5%	Inflation	$1,287,656				

2021

Last Paved (1977 to 1986)
Pavement Age (29 to 38 Years)

Lower Makefield Township; 30-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
	Edgewood Road (from Yardley Langhorn Road to Oxford Valley Road)	400,682	44,520	$65,890	$308,217	$9,000	$100,171	$483,277	Collector	1986	2	3
2022	Woodview Road	161,640	17,960	$26,581	$124,338	$9,000	$40,410	$200,329	Oxford Glen, Yardley Oaks	1988	4	3
	Scarlet Oak Road	78,120	8,680	$12,846	$60,092	$9,000	$19,530	$101,469	Oxford Glen, Yardley Oaks	1988	4	3
	Overlook Road	39,600	4,400	$6,512	$30,462	$9,000	$9,900	$55,874	Oxford Glen, Yardley Oaks	1979	4	3
	Twig Lane (old section)	9,720	1,080	$1,598	$7,477	$9,000	$2,430	$20,505	Oxford Glen, Yardley Oaks	1979	4	3
	Hollow Branch Lane	37,080	4,120	$6,098	$28,523	$9,000	$9,270	$52,891	Oxford Glen, Yardley Oaks	1982	4	3
	Greenview Road	45,000	5,000	$7,400	$34,615	$9,000	$11,250	$62,265	Oxford Glen, Yardley Oaks	1982	4	3
	Judith Place	51,480	5,720	$8,466	$39,600	$9,000	$12,870	$69,936	Ashley Estates	1983	4	3
						2022	Total	$1,046,546				
						2.5%	Inflation	$1,244,014				
						3.0%	Inflation	$1,287,119				
						3.5%	Inflation	$1,331,499				

2022

Lower Makefield Township; 30-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.6" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
	Makefield Road (from Yardley/Morrisville to S. Homestead	109,010	12,112	$17,926	$83,854	$9,000	$27,253	$138,032	Collector	2011	2	3
2023	Jay Drive	25,200	2,800	$4,144	$19,385	$9,000	$6,300	$38,829	Valleywood	1989	4	3
	Gordon Drive	36,900	4,100	$6,068	$28,385	$9,000	$9,225	$52,678	Valleywood	1989	4	3
	Hammond Drive	24,300	2,700	$3,996	$18,692	$9,000	$6,075	$37,763	Valleywood	1989	4	3
	Marlboro Road	30,240	3,360	$4,973	$23,262	$9,000	$7,560	$44,794	Valleywood	1989	4	3
	Norman Drive	25,500	2,833	$4,193	$19,615	$9,000	$6,375	$39,184	Valleywood	1989	4	3
	Marsha Terrace	18,400	2,044	$3,026	$14,154	$9,000	$4,600	$30,780	Milford Manor	1987	4	3
	David Terrace	26,400	2,933	$4,341	$20,308	$9,000	$6,600	$40,249	Milford Manor	1987	4	3
	Esther Lane	40,200	4,467	$6,611	$30,923	$9,000	$10,050	$56,584	Milford Manor	1987	4	3
	Richie Lane	23,000	2,556	$3,782	$17,692	$9,000	$5,750	$36,225	Milford Manor	1987	4	3
	Gloria Lane	30,340	3,371	$4,989	$23,338	$9,000	$7,585	$44,913	Milford Manor	1987	4	3
	Irving Road	18,000	2,000	$2,960	$13,846	$9,000	$4,500	$30,306	Milford Manor	1987	4	3
	Jack Road	14,700	1,633	$2,417	$11,308	$9,000	$3,675	$26,400	Milford Manor	1987	4	3
	Harrow (Crescent)	15,770	1,752	$2,593	$12,131	$9,000	$3,943	$27,667	Big Oak Woods	1996	4	3
	Barclay (Crescent)	15,770	1,752	$2,593	$12,131	$9,000	$3,943	$27,667	Big Oak Woods	1996	4	3
	Wilton (Crescent)	15,770	1,752	$2,593	$12,131	$9,000	$3,943	$27,667	Big Oak Woods	1996	4	3
	Belgrave (Crescent)	15,770	1,752	$2,593	$12,131	$9,000	$3,943	$27,667	Big Oak Woods	1996	4	3
	Thames (Crescent)	15,770	1,752	$2,593	$12,131	$9,000	$3,943	$27,667	Big Oak Woods	1996	4	3
	Fenwood Place	9,200	1,022	$1,513	$7,077	$9,000	$2,300	$19,890	Black Rock Terrace, Fenwoo	1986	4	3
	Beechdrop Court	11,510	1,279	$1,893	$8,854	$9,000	$2,878	$22,624	Big Oak Bend	1986	4	3
	Violetwood Court	11,510	1,279	$1,893	$8,854	$9,000	$2,878	$22,624	Big Oak Bend	1986	4	3
	Pepperbush Court	11,510	1,279	$1,893	$8,854	$9,000	$2,878	$22,624	Big Oak Bend	1986	4	3
	Sweetbell Court	11,510	1,279	$1,893	$8,854	$9,000	$2,878	$22,624	Big Oak Bend	1986	4	3
	Oak View Drive	49,320	5,480	$8,110	$37,938	$9,000	$12,330	$67,379	Big Oak Bend	1986	4	3
	Wild Orchid Court	3,960	440	$651	$3,046	$9,000	$990	$13,687	Big Oak Bend	1986	4	3
	Tall Meadow Lane	44,280	4,920	$7,282	$34,062	$9,000	$11,070	$61,413	Big Oak Bend	1986	4	3
						2023	Total	$1,007,934				
						2.5%	Inflation	$1,228,070				
						3.0%	Inflation	$1,276,821				
						3.5%	Inflation	$1,327,257				

Lower Makefield Township; 30-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
2024	Willow Pond Drive	91,800	10,200	$15,096	$70,615	$9,000	$22,950	$117,661	Tanglewood	1986	4	3
	Rowantree Circle	31,160	3,462	$5,124	$23,969	$9,000	$7,790	$45,883	Tanglewood	1988	4	3
	Applewood Circle	35,960	3,996	$5,913	$27,662	$9,000	$8,990	$51,565	Tanglewood	1988	4	3
	Bud Lane	33,120	3,680	$5,446	$25,477	$9,000	$8,280	$48,203	Tanglewood	1986	4	3
	Wildflower Circle	25,600	2,844	$4,210	$19,692	$9,000	$6,400	$39,302	Tanglewood	1986	4	3
	Cricket Court	6,250	694	$1,028	$4,808	$9,000	$1,563	$16,398	Tanglewood	1986	4	3
	Hummingbird Court	3,250	361	$534	$2,500	$9,000	$813	$12,847	Tanglewood	1986	4	3
	Lakeview Drive	54,600	6,067	$8,979	$42,000	$9,000	$13,650	$73,629	Makefield Lakes	1986	4	3
	Serene Lane	17,100	1,900	$2,812	$13,154	$9,000	$4,275	$29,241	Makefield Lakes	1991	4	3
	Moyer Way	19,200	2,133	$3,157	$14,769	$9,000	$4,800	$31,727	Makefield Lakes	1991	4	3
	Weinman Way	48,000	5,333	$7,893	$36,923	$9,000	$12,000	$65,816	Makefield Lakes	1991	4	3
	Woodthrush Court	14,190	1,577	$2,333	$10,915	$9,000	$3,548	$25,796	Hidden Oaks	1994	4	3
	Robins Court	10,440	1,160	$1,717	$8,031	$9,000	$2,610	$21,358	Hidden Oaks	1994	4	3
	Sweetbriar Court	13,500	1,500	$2,220	$10,385	$9,000	$3,375	$24,980	Hidden Oaks	1994	4	3
	Honeysuckle Court	16,020	1,780	$2,634	$12,323	$9,000	$4,005	$27,962	Hidden Oaks	1994	4	3
	Candlewick Court	12,780	1,420	$2,102	$9,831	$9,000	$3,195	$24,127	Hidden Oaks	1994	4	3
	Goldenrod Court	10,200	1,133	$1,677	$7,846	$9,000	$2,550	$21,073	Hidden Oaks	1994	4	3
	Cobblestone Court	9,180	1,020	$1,510	$7,062	$9,000	$2,295	$19,866	Hidden Oaks	1994	4	3
	Cobbler Court	15,840	1,760	$2,605	$12,185	$9,000	$3,960	$27,749	Hidden Oaks	1994	4	3
	Pondview Court	16,020	1,780	$2,634	$12,323	$9,000	$4,005	$27,962	Hidden Oaks	1994	4	3
	Lang Court	11,500	1,278	$1,891	$8,846	$9,000	$2,875	$22,612	Hidden Oaks	1996	4	3
	Summerhill Court	6,300	700	$1,036	$4,846	$9,000	$1,575	$16,457	Hidden Oaks	1994	4	3
	Bluestone Drive (Roelofs to Stony	62,280	6,920	$10,242	$47,908	$9,000	$15,570	$82,719	Hidden Oaks	1994	3	3
	Lang Drive	45,180	5,020	$7,430	$34,754	$9,000	$11,295	$62,478	Hidden Oaks	1996	3	3
	Rosalind Run (Hidden Pond Drive	7,603	845	$1,250	$5,848	$9,000	$1,901	$17,999	Hidden Pond	2006	4	2
	Norway Drive	6,600	733	$1,085	$5,077	$9,000	$1,650	$16,812	Erb Tract, Pine Grove West	1986	4	3
	Berkley Drive	23,400	2,600	$3,848	$18,000	$9,000	$5,850	$36,698	Erb Tract, Pine Grove West	1986	4	3
	Greenhill Road	6,800	756	$1,118	$5,231	$9,000	$1,700	$17,049	Erb Tract, Pine Grove West	1986	4	3
	Essex Lane	9,800	1,089	$1,612	$7,538	$9,000	$2,450	$20,600	Erb Tract, Pine Grove West	1988	4	3

2024	Total	$1,046,573
2.5%	Inflation	$1,228,070
3.0%	Inflation	$1,276,821
3.5%	Inflation	$1,327,257

Lower Makefield Township; 30-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
	Township Line Road (Stony Hill to Langhorne-Yardley)	230,260	25,584	$37,865	$177,123	$9,000	$57,565	$281,553	Arterial	2011	1	3
2025	Inverness Drive	18,330	2,037	$3,014	$14,100	$9,000	$4,583	$30,697	Makefield Brook I & II	1986	4	3
	Ashborne Drive	24,630	2,737	$4,050	$18,946	$9,000	$6,158	$38,154	Makefield Brook I & II	1986	4	3
	Dorothy Drive	14,760	1,640	$2,427	$11,354	$9,000	$3,690	$26,471	Makefield Brook I & II	1986	4	3
	Brentwood Drive	129,600	14,400	$21,312	$99,692	$9,000	$32,400	$162,404	Makefield Brook I & II	1986	4	3
	James Court	15,410	1,712	$2,534	$11,854	$9,000	$3,853	$27,240	Makefield Brook I & II	1986	4	3
	Heather Ridge Drive	110,520	12,280	$18,174	$85,015	$9,000	$27,630	$139,820	Heather Ridge	1994	4	3
	Ashley Road	48,240	5,360	$7,933	$37,108	$9,000	$12,060	$66,100	Heather Ridge	1994	4	3
	Ridgewood Lane	47,520	5,280	$7,814	$36,554	$9,000	$11,880	$65,248	Heather Ridge	1994	4	3
	Clark Drive	93,530	10,392	$15,380	$71,946	$9,000	$23,383	$119,709	Yardley Hunt	1986	4	3
	Bennington Road	7,920	880	$1,302	$6,092	$9,000	$1,980	$18,375	Yardley Hunt	1986	4	3
	Patriot Drive	16,560	1,840	$2,723	$12,738	$9,000	$4,140	$28,602	Yardley Hunt	1983	4	3
	Colony Way	35,570	3,952	$5,849	$27,362	$9,000	$8,893	$51,103	Yardley Hunt	1983	4	3
						2025	Total	$1,055,477				
						2.5%	Inflation	$1,351,100				
						3.0%	Inflation	$1,418,473				
						3.5%	Inflation	$1,488,854				

2025

Lower Makefield Township; 30-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
	Garber Drive	4,000	444	$658	$3,077	$9,000	$1,000	$13,735	West Acres, Glenwood	1988	4	3
	Penn Valley Terrace	47,800	5,311	$7,860	$36,769	$9,000	$11,950	$65,580	West Acres, Glenwood	1988	4	3
2026	Glenwood South Gate	15,400	1,711	$2,532	$11,846	$9,000	$3,850	$27,229	West Acres, Glenwood	1988	4	3
	Buckingham Way	23,800	2,644	$3,914	$18,308	$9,000	$5,950	$37,171	West Acres, Glenwood	1988	4	3
	E. Crown Terrace	7,000	778	$1,151	$5,385	$9,000	$1,750	$17,286	West Acres, Glenwood	1988	4	3
	Winchester Drive	31,320	3,480	$5,150	$24,092	$9,000	$7,830	$46,073	Yardley Estates	1992	4	3
	Remington Drive	26,640	2,960	$4,381	$20,492	$9,000	$6,660	$40,533	Yardley Estates	1992	4	3
	Hampton Road	6,200	689	$1,020	$4,769	$9,000	$1,550	$16,339	Yardley Estates	1994	4	3
	Fox Hollow Drive	132,120	14,680	$21,726	$101,631	$9,000	$33,030	$165,387	Yardley Estates	1992	4	3
	Joy Circle	6,480	720	$1,066	$4,985	$9,000	$1,620	$16,670	Yardley Estates	1994	4	2
	Lauren Circle	7,560	840	$1,243	$5,815	$9,000	$1,890	$17,949	Yardley Estates	1994	4	2
	Page Drive 1	28,440	3,160	$4,677	$21,877	$9,000	$7,110	$42,664	Yardley Estates	1994	4	2
	Elbow Lane (Including N Elbow Ln.)	155,880	17,320	$25,634	$119,908	$9,000	$38,970	$193,511	Yardley Crest	1994	4	3
	Share Drive	9,900	1,100	$1,628	$7,615	$9,000	$2,475	$20,718	Yardley Crest	1994	4	3
	Summit Drive	28,200	3,133	$4,637	$21,692	$9,000	$7,050	$42,380	Yardley Crest	1994	4	3
	Meridian Way	17,700	1,967	$2,911	$13,615	$9,000	$4,425	$29,951	Yardley Crest	1994	4	3
	Crestview Way	88,050	9,783	$14,479	$67,731	$9,000	$22,013	$113,223	Yardley Crest	1994	4	3
	Pinnacle Circle	9,450	1,050	$1,554	$7,269	$9,000	$2,363	$20,186	Yardley Crest	1994	4	3
	Ginko Lane	27,360	3,040	$4,499	$21,046	$9,000	$6,840	$41,385	Willow Wisp Farms	1994	4	3
	Farmal Court	12,240	1,360	$2,013	$9,415	$9,000	$3,060	$23,488	Willow Wisp Farms	1994	4	3
	Reaper Court	7,560	840	$1,243	$5,815	$9,000	$1,890	$17,949	Willow Wisp Farms	1994	4	3
	Plowshare Road	30,600	3,400	$5,032	$23,538	$9,000	$7,650	$45,220	Willow Wisp Farms	1994	4	3

2026	Total	$1,054,626
2.5%	Inflation	$1,383,760
3.0%	Inflation	$1,459,849
3.5%	Inflation	$1,539,722

Lower Makefield Township; 30-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
	Gainsway Road	118,440	13,160	$19,477	$91,108	$9,000	$29,610	$149,194	Carriage Hill	1990	4	2
2027	Sensor Road	57,240	6,360	$9,413	$44,031	$9,000	$14,310	$76,754	Carriage Hill	1990	4	2
	Lanyard Road	26,280	2,920	$4,322	$20,215	$9,000	$6,570	$40,107	Carriage Hill	1990	4	2
	Briarwood Court	34,560	3,840	$5,683	$26,585	$9,000	$8,640	$49,908	Carriage Hill	1990	4	2
	Jade Road	31,320	3,480	$5,150	$24,092	$9,000	$7,830	$46,073	Carriage Hill	1990	4	2
	Country Hills Road	36,720	4,080	$6,038	$28,246	$9,000	$9,180	$52,465	Woodlands at Yardley Crest	1994	4	2
	Garden Ridge Circle	8,640	960	$1,421	$6,646	$9,000	$2,160	$19,227	Woodlands at Yardley Crest	1994	4	2
	Mountain Oaks Road	56,520	6,280	$9,294	$43,477	$9,000	$14,130	$75,901	Woodlands at Yardley Crest	1994	4	2
	Chestnut Woods Drive	6,840	760	$1,125	$5,262	$9,000	$1,710	$17,096	Winterfield	1994	4	2
	Melissa Circle (E and W)	50,040	5,560	$8,229	$38,492	$9,000	$12,510	$68,231	Winterfield	1994	4	2
	Page Drive 2	23,400	2,600	$3,848	$18,000	$9,000	$5,850	$36,698	Winterfield	1994	4	2
	Wellington Drive (E and W)	109,480	12,164	$18,003	$84,215	$9,000	$27,370	$138,589	Yardley Run	1986	4	3
	Fountain Road	48,440	5,382	$7,966	$37,262	$9,000	$12,110	$66,337	Yardley Run	1986	4	3
	N. Bradford Road	40,040	4,449	$6,584	$30,800	$9,000	$10,010	$56,394	Yardley Run	1986	4	3
	Chase Road	30,240	3,360	$4,973	$23,262	$9,000	$7,560	$44,794	Yardley Run	1986	4	3
	Wyngate Drive	14,820	1,647	$2,437	$11,400	$9,000	$3,705	$26,542	Yardley Run	1986	4	3
	Mt. Pleasant Drive	67,200	7,467	$11,051	$51,692	$9,000	$16,800	$88,543	Yardley Corners	1999	4	3

2027	Total	$1,052,854
2.5%	Inflation	$1,415,971
3.0%	Inflation	$1,501,117
3.5%	Inflation	$1,590,934

Lower Makefield Township; 30-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
	Upper Hilltop Road	28,200	3,133	$4,637	$21,692	$9,000	$7,050	$42,380	Longhsore Estates	1995	4	2
2028	Slate Hill Road	69,840	7,760	$11,485	$53,723	$9,000	$17,460	$91,668	Rivergate	1994	4	2
	Vickers Way	25,920	2,880	$4,262	$19,938	$9,000	$6,480	$39,681	Rivergate	1994	4	2
	Scattergood Court	15,840	1,760	$2,605	$12,185	$9,000	$3,960	$27,749	Rivergate	1994	4	2
	Manor Gate	10,500	1,167	$1,727	$8,077	$9,000	$2,625	$21,429	Penn Valley Terrace	1991	4	2
	Delvale Drive	29,400	3,267	$4,835	$22,615	$9,000	$7,350	$43,800	Penn Valley Terrace	1991	4	2
	Keswick Drive	26,100	2,900	$4,292	$20,077	$9,000	$6,525	$39,894	Penn Valley Terrace	1991	4	2
	Oakhill Lane	12,300	1,367	$2,023	$9,462	$9,000	$3,075	$23,559	Penn Valley Terrace	1991	4	2
	Quincy Drive	45,000	5,000	$7,400	$34,615	$9,000	$11,250	$62,265	Sandy Run	1997	4	2
	Dickinson Drive	59,100	6,567	$9,719	$45,462	$9,000	$14,775	$78,955	Sandy Run	1999	4	2
	Temple Drive	38,400	4,267	$6,315	$29,538	$9,000	$9,600	$54,453	Sandy Run	1987	4	2
	Drexel Drive	15,900	1,767	$2,615	$12,231	$9,000	$3,975	$27,820	Sandy Run	1987	4	2
	Shetland Court	28,440	3,160	$4,677	$21,877	$9,000	$7,110	$42,664	The Ridings	1996	4	2
	Clydesdale Circle	67,500	7,500	$11,100	$51,923	$9,000	$16,875	$88,898	The Ridings	1996	4	2
	Hidden Oaks Drive	107,460	11,940	$17,671	$82,662	$9,000	$26,865	$136,198	Hidden Oaks	1996	4	2
	Roelofs Road (Bluestone to Oxford Valley)	45,540	5,060	$7,489	$35,031	$9,000	$11,385	$62,905	Hidden Oaks	1996	3	2
	Revere Road (between Schuyler and Madison)	85,680	9,520	$14,090	$65,908	$9,000	$21,420	$110,417	Yardley Hunt	1997	4	2
	Putnam Drive	33,480	3,720	$5,506	$25,754	$9,000	$8,370	$48,629	Yardley Hunt	1997	4	2
	Pickering Drive	39,960	4,440	$6,571	$30,738	$9,000	$9,990	$56,300	Yardley Hunt	1997	4	2
						2028	Total	1,099,664				
						2.5%	Inflation	$1,515,899				
						3.0%	Inflation	$1,614,894				
						3.5%	Inflation	$1,719,827				

Lower Makefield Township; 30-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
2029	Farmview Drive	99,500	11,056	$16,362	$76,538	$9,000	$24,875	$126,776	Kimbles Field at Farmview	1998	4	2
	Kimbles Road (North and South)	107,700	11,967	$17,711	$82,846	$9,000	$26,925	$136,482	Kimbles Field at Farmview	1999	4	2
	Barnswallow Road	9,600	1,067	$1,579	$7,385	$9,000	$2,400	$20,363	Kimbles Field at Farmview	1999	4	2
	Partridge Road	4,200	467	$691	$3,231	$9,000	$1,050	$13,971	Kimbles Field at Farmview	1999	4	2
	Fairfield Road	142,920	15,880	$23,502	$109,938	$9,000	$35,730	$178,171	Fairfield at Farmview	1999	4	2
	Greenmeadows Road	25,200	2,800	$4,144	$19,385	$9,000	$6,300	$38,829	Fairfield at Farmview	1999	4	2
	Bridle Court	12,600	1,400	$2,072	$9,692	$9,000	$3,150	$23,914	Fairfield at Farmview	1999	4	2
	Horseshoe Bend	6,480	720	$1,066	$4,985	$9,000	$1,620	$16,670	Fairfield at Farmview	1999	4	2
	Wheatsheaf Road	56,520	6,280	$9,294	$43,477	$9,000	$14,130	$75,901	Fairfield at Farmview	1999	4	2
	Leedoms Drive	64,500	7,167	$10,607	$49,615	$9,000	$16,125	$85,347	Penns Field at Farmview	1998	4	2
	Bancroft Lane	30,096	3,344	$4,949	$23,151	$9,000	$7,524	$44,624	Wyndham II (Lost Tree)	1997	4	2
	Crabapple Lane	8,500	944	$1,398	$6,538	$9,000	$2,125	$19,061	Wyndham II (Lost Tree)	1997	4	2
	Long Meadow Lane	64,627	7,181	$10,628	$49,713	$9,000	$16,157	$85,497	Hidden Oaks II	1999	4	2
	Southridge Cir	47,520	5,280	$7,814	$36,554	$9,000	$11,880	$65,248	Hidden Oaks II	1999	4	2
	Brook Bend Court	9,504	1,056	$1,563	$7,311	$9,000	$2,376	$20,250	Hidden Oaks II	1999	4	2
	Grindan Drive	23,520	2,613	$3,868	$18,092	$9,000	$5,880	$36,840	Mill Run	1993	4	2
	Waterwheel Drive	35,560	3,951	$5,848	$27,354	$9,000	$8,890	$51,091	Mill Run	1993	4	2

2029	Total	$1,039,037
2.5%	Inflation	$1,468,131
3.0%	Inflation	$1,571,636
3.5%	Inflation	$1,681,883

Lower Makefield Township; 30-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
2030	Brookfield Road	54,900	6,100	$9,028	$42,231	$9,000	$13,725	$73,984	Brookfield at Farmview	1998	4	2
	Greenbriar Court	90,000	10,000	$14,800	$69,231	$9,000	$22,500	$115,531	Brookfield at Farmview	1997	4	2
	Hilltop Road	45,000	5,000	$7,400	$34,615	$9,000	$11,250	$62,265	Hillwood Terrace	1998	3	2
	Plymouth Lane	31,500	3,500	$5,180	$24,231	$9,000	$7,875	$46,286	Hillwood Terrace	1998	4	2
	Highland Drive	93,300	10,367	$15,343	$71,769	$9,000	$23,325	$119,437	Hillwood Terrace	1998	4	2
	Edgemere Drive	23,500	2,611	$3,864	$18,077	$9,000	$5,875	$36,816	Hillwood Terrace	1998	4	2
	Lower Hilltop Road	56,820	6,313	$9,344	$43,708	$9,000	$14,205	$76,256	N/A	1998	4	2
	Dawn Lane	52,920	5,880	$8,702	$40,708	$9,000	$13,230	$71,640	Heather Ridge	1994	4	2
	Pownal Drive	57,024	6,336	$9,377	$43,865	$9,000	$14,256	$76,498	Longhsore Estates	1998	4	2
	Merrick Road	66,528	7,392	$10,940	$51,175	$9,000	$16,632	$87,748	Longhsore Estates	1998	4	2
	Burgess Lane	5,148	572	$847	$3,960	$9,000	$1,287	$15,094	Longhsore Estates	1998	4	2
	Bartlett Court	17,107	1,901	$2,813	$13,159	$9,000	$4,277	$29,249	Longhsore Estates	1998	4	2
	Lily Pond Lane	51,660	5,740	$8,495	$39,738	$9,000	$12,915	$70,149	Wyndham I	1997	4	2
	Woodfield South	7,560	840	$1,243	$5,815	$9,000	$1,890	$17,949	Wyndham I	1997	4	2
	Colonial Ridge Drive	19,200	2,133	$3,157	$14,769	$9,000	$4,800	$31,727	Cochrane Tract	2005	4	2
	Upton Lane	45,000	5,000	$7,400	$34,615	$9,000	$11,250	$62,265	Hillwood Terrace	1998	4	2
	Concord Lane	34,980	3,887	$5,752	$26,908	$9,000	$8,745	$50,405	Hillwood Terrace	1998	4	2
						2030	Total	$1,043,298				
						2.5%	Inflation	$1,511,006				
						3.0%	Inflation	$1,625,424				
						3.5%	Inflation	$1,747,888				

Lower Makefield Township; 30-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
	Hamilton Drive	40,320	4,480	$6,630	$31,015	$9,000	$10,080	$56,726	Yardley Hunt	1997	4	2
2031	Henry Drive	39,890	4,432	$6,560	$30,685	$9,000	$9,973	$56,217	Yardley Hunt	1983	4	2
	Randolph Drive	143,640	15,960	$23,621	$110,492	$9,000	$35,910	$179,023	Yardley Hunt	1997	4	2
	Hancock Drive	9,460	1,051	$1,556	$7,277	$9,000	$2,365	$20,198	Yardley Hunt	1997	4	2
	Morgan Drive	38,520	4,280	$6,334	$29,631	$9,000	$9,630	$54,595	Yardley Hunt	1997	4	2
	Heller Drive	159,840	17,760	$26,285	$122,954	$9,000	$39,960	$198,199	Makefield Chase	1998	4	2
	Chase Lane	10,800	1,200	$1,776	$8,308	$9,000	$2,700	$21,784	Makefield Chase	1998	4	2
	Brookfield Road	16,850	1,872	$2,771	$12,962	$9,000	$4,213	$28,945	Makefield Chase	1998	4	2
	Greenbriar Court	15,370	1,708	$2,528	$11,823	$9,000	$3,843	$27,193	Makefield Chase	1998	4	2
	Laurie Lane	7,500	833	$1,233	$5,769	$9,000	$1,875	$17,878	Makefield Chase	1998	4	2
	Miller Place	8,750	972	$1,439	$6,731	$9,000	$2,188	$19,357	Makefield Chase	1998	4	2
	Palomino Way	9,350	1,039	$1,538	$7,192	$9,000	$2,338	$20,067	arry Commons (Pebble Cre	1998	4	2
	Lower Hilltop Road	44,180	4,909	$7,265	$33,985	$9,000	$11,045	$61,295	Pine Brook Farms	1999	4	2
	Dogwood Drive	5,460	607	$898	$4,200	$9,000	$1,365	$15,463	Delaware Rim	1999	4	2
	Rolling Green Road	9,880	1,098	$1,625	$7,600	$9,000	$2,470	$20,695	Delaware Rim	1999	4	2
	Dell Drive	1,875	208	$308	$1,442	$9,000	$469	$11,219	Delaware Rim	1999	4	2
	Westover Road (part 1 of 2)	27,840	3,093	$4,578	$21,415	$9,000	$6,960	$41,954	Westover	2002	4	2
	Tudor Lane	25,600	2,844	$4,210	$19,692	$9,000	$6,400	$39,302	Westover	2002	4	2
	Shelley Lane	7,800	867	$1,283	$6,000	$9,000	$1,950	$18,233	Westover	1983	4	2
	Effingham Road	23,280	2,587	$3,828	$17,908	$9,000	$5,820	$36,556	Westover	2002	4	2
	Westover Road (part 2 of 2)	41,000	4,556	$6,742	$31,538	$9,000	$10,250	$57,531	Westover	2003	4	2
	Ovington Road	20,520	2,280	$3,374	$15,785	$9,000	$5,130	$33,289	Westover	2003	4	2
	Vernon Lane	16,000	1,778	$2,631	$12,308	$9,000	$4,000	$27,939	Westover	2003	4	2
	Eton Road	17,280	1,920	$2,842	$13,292	$9,000	$4,320	$29,454	Westover	2003	4	2
						2031	Total	$1,093,109				
						2.5%	Inflation	$1,511,006				
						3.0%	Inflation	$1,625,424				
						3.5%	Inflation	$1,747,888				

Lower Makefield Township; 30-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
	Sutphin Road	98,160	10,907	$16,142	$75,508	$9,000	$24,540	$125,190	Collector	2002	2	2
2032	Pine Cone Drive	25,200	2,800	$4,144	$19,385	$9,000	$6,300	$38,829	Yardley Oaks	1999	4	2
	Acorn Drive	37,600	4,178	$6,183	$28,923	$9,000	$9,400	$53,506	Yardley Oaks	1999	4	2
	Aspen Road	110,160	12,240	$18,115	$84,738	$9,000	$27,540	$139,394	Yardley Oaks	1999	4	2
	Finch Court	13,250	1,472	$2,179	$10,192	$9,000	$3,313	$24,684	Heacock Meadows	1985	4	2
	N. Dove Road	30,240	3,360	$4,973	$23,262	$9,000	$7,560	$44,794	Heacock Meadows	1985	4	2
	Thrush Court	13,680	1,520	$2,250	$10,523	$9,000	$3,420	$25,193	Heacock Meadows	1985	4	2
	Grandview Drive	25,800	2,867	$4,243	$19,846	$9,000	$6,450	$39,539	Dolington Estates	2001	4	2
	Silverwood Drive	174,990	19,443	$28,776	$134,608	$9,000	$43,748	$216,131	Dolington Estates	2001	4	2
	Beacon Hill Drive	36,300	4,033	$5,969	$27,923	$9,000	$9,075	$51,967	Dolington Estates	2001	4	2
	Steeplechase Drive	28,440	3,160	$4,677	$21,877	$9,000	$7,110	$42,664	Dolington Estates	2001	4	2
	Amber Drive	40,720	4,524	$6,696	$31,323	$9,000	$10,180	$57,199	Dolington Estates	2001	4	2
	Boxwood Drive	13,800	1,533	$2,269	$10,615	$9,000	$3,450	$25,335	Dolington Estates	2001	4	2
	Powderhorn Drive	56,700	6,300	$9,324	$43,615	$9,000	$14,175	$76,114	Dolington Estates	2001	4	2
	Central Drive	14,900	1,656	$2,450	$11,462	$9,000	$3,725	$26,637	Makefield Manor	2000	4	2
	Wrightfield Road	28,800	3,200	$4,736	$22,154	$9,000	$7,200	$43,090	Makefield Manor	2000	4	2
	Homestead Drive (North and South)	7,600	844	$1,250	$5,846	$9,000	$1,900	$17,996	Makefield Manor	2011	4	2

2032	Total	$1,048,261
2.5%	Inflation	$1,595,053
3.0%	Inflation	$1,732,616
3.5%	Inflation	$1,881,288

Lower Makefield Township; 30-Year Road Improvements Plan

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2033	Garey Drive	82,440	9,160	$13,557	$63,415	$9,000	$20,610	$106,582	Pennsbury Walk (Wyndham	1997	4	2
	Schindler Drive	61,200	6,800	$10,064	$47,077	$9,000	$15,300	$81,441	Pennsbury Walk (Wyndham	1997	4	2
	Aaron Lloyd Court	8,280	920	$1,362	$6,369	$9,000	$2,070	$18,801	Pennsbury Walk (Wyndham	1997	4	2
	Knightsbridge Drive	77,040	8,560	$12,669	$59,262	$9,000	$19,260	$100,190	Big Oak Woods	2000	4	2
	Hyde Park Place	58,680	6,520	$9,650	$45,138	$9,000	$14,670	$78,458	Big Oak Woods	2000	4	2
	Oak Avenue	23,380	2,598	$3,845	$17,985	$9,000	$5,845	$36,674	Makefield Terrace	1988	4	2
	Walnut Lane	30,460	3,384	$5,009	$23,431	$9,000	$7,615	$45,055	Makefield Terrace	1988	4	2
	Maplewood Drive	25,040	2,782	$4,118	$19,262	$9,000	$6,260	$38,639	Arborlea	2001	4	2
	Linden Avenue	30,960	3,440	$5,091	$23,815	$9,000	$7,740	$45,647	Arborlea	2001	4	2
	Birch Avenue	16,200	1,800	$2,664	$12,462	$9,000	$4,050	$28,176	Arborlea	2001	4	2
	Elm Avenue	32,040	3,560	$5,269	$24,646	$9,000	$8,010	$46,925	Arborlea	2001	4	2
	Arborlea Avenue	56,100	6,233	$9,225	$43,154	$9,000	$14,025	$75,404	Arborlea	2001	4	2
	Cherry Lane	12,000	1,333	$1,973	$9,231	$9,000	$3,000	$23,204	Arborlea	2001	4	2
	Juniper Street	12,600	1,400	$2,072	$9,692	$9,000	$3,150	$23,914	Arborlea	2001	4	2
	Woods Street	7,360	818	$1,210	$5,662	$9,000	$1,840	$17,712	Arborlea	2001	4	2
	Wilfred Drive (East and West)	19,800	2,200	$3,256	$15,231	$9,000	$4,950	$32,437	Arborlea	1989	4	2
	College Avenue	29,600	3,289	$4,868	$22,769	$9,000	$7,400	$44,037	Fairway	1999	4	2
	Fairway Drive	47,600	5,289	$7,828	$36,615	$9,000	$11,900	$65,343	Fairway	1999	4	2
	Lake Shore Drive	23,600	2,622	$3,881	$18,154	$9,000	$5,900	$36,935	Silver Lake Terrace	2000	4	2
	Green Ridge Road	30,680	3,409	$5,045	$23,600	$9,000	$7,670	$45,315	Silver Lake Terrace	2000	4	2
	Harvey Avenue	17,420	1,936	$2,865	$13,400	$9,000	$4,355	$29,620	Silver Lake Terrace	2000	4	2
	Orchard Way	26,740	2,971	$4,397	$20,569	$9,000	$6,685	$40,651	Silver Lake Terrace	2000	4	2
	Oxford Road	25,700	2,856	$4,226	$19,769	$9,000	$6,425	$39,420	Silver Lake Terrace	2000	4	2
						2033	Total	$1,100,580				
						2.5%	Inflation	$1,716,529				
						3.0%	Inflation	$1,873,664				
						3.5%	Inflation	$2,044,316				

Lower Makefield Township; 30-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
	Twig Lane	70,314	7,813	$11,563	$54,088	$9,000	$17,579	$92,229	Peake Farm	2002	4	2
2034	Shady Grove Road	22,890	2,543	$3,764	$17,608	$9,000	$5,723	$36,094	Peake Farm	2002	4	2
	Shade Tree Court	18,384	2,043	$3,023	$14,142	$9,000	$4,596	$30,761	Peake Farm	2002	4	2
	Cardinal Drive	165,600	18,400	$27,232	$127,385	$9,000	$41,400	$205,017	Heacock Meadows	2000	4	2
	Wren Song Road	18,750	2,083	$3,083	$14,423	$9,000	$4,688	$31,194	Heacock Meadows	2000	4	2
	Rose Hollow Drive	58,750	6,528	$9,661	$45,192	$9,000	$14,688	$78,541	Heacock Meadows		4	2
	Bluebird Drive	55,800	6,200	$9,176	$42,923	$9,000	$13,950	$75,049	Heacock Meadows	1985	4	2
	Bluestone Drive (Stony Hill to Oak View)	82,514	9,168	$13,569	$63,472	$9,000	$20,629	$106,670	Stony Hill Homes	1999	3	2
	Rock Run Road	51,480	5,720	$8,466	$39,600	$9,000	$12,870	$69,936	Rock Run	2001	4	2
	Erin Court	8,820	980	$1,450	$6,785	$9,000	$2,205	$19,440	Rock Run	2001	4	2
	Frazer Drive	13,860	1,540	$2,279	$10,662	$9,000	$3,465	$25,406	Rock Run	2001	4	2
	Trowbridge Drive	59,652	6,628	$9,809	$45,886	$9,000	$14,913	$79,609	Dolington Estates II	2001	4	2
	Wexford Court	15,954	1,773	$2,624	$12,272	$9,000	$3,989	$27,884	Dolington Estates II	2001	4	2
	Park Drive	10,260	1,140	$1,687	$7,892	$9,000	$2,565	$21,145	Dolington Estates II	2001	4	2
	Stewarts Way	32,314	3,590	$5,314	$24,857	$9,000	$8,079	$47,249	Stewarts Field	2002	4	2
	Patterson Lane	37,800	4,200	$6,216	$29,077	$9,000	$9,450	$53,743	N/A	1994	4	2
	Marsha Terrace	18,400	2,044	$3,026	$14,154	$9,000	$4,600	$30,780	Milford Manor	1987	4	2
						2034	Total	$1,030,745				
						2.5%	Inflation	$1,647,801				
						3.0%	Inflation	$1,807,417				
						3.5%	Inflation	$1,981,608				

Lower Makefield Township; 30-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
2035	Ferry Road (Yardley-Morrisville to Big Oak)	70,930	7,881	$11,664	$54,562	$9,000	$17,733	$92,958	Collector	2001	2	2
	Ferry Road (River to Yardley-Morrisville)	78,540	8,727	$12,915	$60,415	$9,000	$19,635	$101,966	Collector	1999	2	2
	Ferry Road (Dead End)	12,800	1,422	$2,105	$9,846	$9,000	$3,200	$24,151	Collector	1999	2	2
	Candace Lane	41,817	4,646	$6,877	$32,167	$9,000	$10,454	$58,498	Makefield Crossing	2002	4	2
	Matthew Drive	33,840	3,760	$5,565	$26,031	$9,000	$8,460	$49,056	Makefield Crossing	2003	4	2
	Melissa Drive	5,040	560	$829	$3,877	$9,000	$1,260	$14,966	Makefield Crossing	2003	4	2
	Graystone Lane	9,000	1,000	$1,480	$6,923	$9,000	$2,250	$19,653	Brookshire Estates	2001	4	2
	Glen Drive (part of)	18,000	2,000	$2,960	$13,846	$9,000	$4,500	$30,306	River Glen	2002	4	2
	Wendover Road	17,640	1,960	$2,901	$13,569	$9,000	$4,410	$29,880	River Glen	2002	4	2
	Glenolden Road	18,180	2,020	$2,990	$13,985	$9,000	$4,545	$30,519	River Glen	2002	4	2
	Glen Drive (part of)	18,000	2,000	$2,960	$13,846	$9,000	$4,500	$30,306	River Glen	2002	4	2
	Ardsley Road	17,460	1,940	$2,871	$13,431	$9,000	$4,365	$29,667	River Glen	2004	4	2
	Ardsley Court	5,000	556	$822	$3,846	$9,000	$1,250	$14,918	River Glen	2005	4	2
	Kenmore Road	16,920	1,880	$2,782	$13,015	$9,000	$4,230	$29,028	River Glen	2004	4	2
	Hillside Lane	18,700	2,078	$3,075	$14,385	$9,000	$4,675	$31,135	Lindenhurst	2004	4	2
	Spring Lane	27,360	3,040	$4,499	$21,046	$9,000	$6,840	$41,385	Lindenhurst	2004	4	2
	Thistlewood Drive	71,280	7,920	$11,722	$54,831	$9,000	$17,820	$93,372	Gatefield at Farmview	1999	4	2
	Dobry Road	24,000	2,667	$3,947	$18,462	$9,000	$6,000	$37,408	Makefield Quarters		4	2
	Weber Drive	68,750	7,639	$11,306	$52,885	$9,000	$17,188	$90,378	Queens Grant	1996	4	2
	South Crescent Boulevard	76,920	8,547	$12,649	$59,169	$9,000	$19,230	$100,048	Queens Grant	1996	4	2
	Roelofs Road (Ramsey to Derbyshire)	69,200	7,689	$11,380	$53,231	$9,000	$17,300	$90,910	Queens Grant	2000	3	2

2035	Total	$1,040,509
2.5%	Inflation	$1,704,995
3.0%	Inflation	$1,879,274
3.5%	Inflation	$2,070,393

Lower Makefield Township; 30-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
	Ramsey Road	219,960	24,440	$36,171	$169,200	$9,000	$54,990	$269,361	Queens Grant	1996	3	2
2036	Piper Lane	53,280	5,920	$8,762	$40,985	$9,000	$13,320	$72,066	Queens Grant	1996	4	2
	Denny Drive	21,960	2,440	$3,611	$16,892	$9,000	$5,490	$34,994	Queens Grant	1996	4	2
	Kilby Drive	40,320	4,480	$6,630	$31,015	$9,000	$10,080	$56,726	Queens Grant	1996	4	2
	Olsen Avenue	35,640	3,960	$5,861	$27,415	$9,000	$8,910	$51,186	Queens Grant	1996	4	2
	Kathryn Court	20,160	2,240	$3,315	$15,508	$9,000	$5,040	$32,863	Queens Grant	1996	4	2
	Wilbur Road	35,400	3,933	$5,821	$27,231	$9,000	$8,850	$50,902	Pine Brook Farms	2004	4	2
	Austin Road	34,920	3,880	$5,742	$26,862	$9,000	$8,730	$50,334	Pine Brook Farms	2004	4	2
	Houston Road	42,020	4,669	$6,910	$32,323	$9,000	$10,505	$58,738	Pine Brook Farms	2004	4	2
	Beechwood Lane	27,800	3,089	$4,572	$21,385	$9,000	$6,950	$41,906	Pine Brook Farms	2004	4	2
	Raab Drive	18,600	2,067	$3,059	$14,308	$9,000	$4,650	$31,016	Pine Brook Farms	2004	4	2
	Bel Air Drive	27,300	3,033	$4,489	$21,000	$9,000	$6,825	$41,314	Pine Brook Farms	2004	4	2
	Del Rio Drive	22,220	2,469	$3,654	$17,092	$9,000	$5,555	$35,301	Pine Brook Farms	2004	4	2
	Olivia Lane	37,960	4,218	$6,242	$29,200	$9,000	$9,490	$53,932	Pine Brook Farms	2004	4	2
	Pine Lane	44,180	4,909	$7,265	$33,985	$9,000	$11,045	$61,295	Pine Brook Farms	1999	4	2
	Simpson Drive	3,240	360	$533	$2,492	$9,000	$810	$12,835	Pine Brook Farms	2004	4	2
	Brook Lane	21,000	2,333	$3,453	$16,154	$9,000	$5,250	$33,857	Pine Brook Farms	2004	4	2
	Knoll Drive	21,000	2,333	$3,453	$16,154	$9,000	$5,250	$33,857	Pine Brook Farms	2004	4	2
	Deerbrook Drive	42,780	4,753	$7,035	$32,908	$9,000	$10,695	$59,638	Deerbrook	2007	4	2
						2036	Total	1,082,122				
						2.5%	Inflation	$1,817,513				
						3.0%	Inflation	$2,013,066				
						3.5%	Inflation	$2,228,556				

Lower Makefield Township; 30-Year Road Improvements Plan

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2037	Liberty Drive	50,760	5,640	$8,347	$39,046	$9,000	$12,690	$69,083	Centennial Village	2002	4	2
	American Drive	39,600	4,400	$6,512	$30,462	$9,000	$9,900	$55,874	Centennial Village	2002	4	2
	Darby Drive	50,400	5,600	$8,288	$38,769	$9,000	$12,600	$68,657	Centennial Village	2002	4	2
	Kings Road	86,040	9,560	$14,149	$66,185	$9,000	$21,510	$110,843	Edgewood Park	2001	3	2
	Countess Drive (old section)	77,820	8,647	$12,797	$59,862	$9,000	$19,455	$101,114	Edgewood Park	2001	4	2
	Queens Drive	81,080	9,009	$13,333	$62,369	$9,000	$20,270	$104,972	Edgewood Park	2001	4	2
	Duchess Drive	38,100	4,233	$6,265	$29,308	$9,000	$9,525	$54,098	Edgewood Park	2001	4	2
	Princess Drive	72,900	8,100	$11,988	$56,077	$9,000	$18,225	$95,290	Edgewood Park	2002	4	2
	Viscount Drive	23,400	2,600	$3,848	$18,000	$9,000	$5,850	$36,698	Edgewood Park	2002	4	2
	Baron Drive	30,600	3,400	$5,032	$23,538	$9,000	$7,650	$45,220	Edgewood Park	2002	4	2
	Freedom Drive	32,040	3,560	$5,269	$24,646	$9,000	$8,010	$46,925	Centennial Village	2002	4	2
	Independence Drive	29,880	3,320	$4,914	$22,985	$9,000	$7,470	$44,368	Centennial Village	2002	4	2
	Daffodil Drive	32,040	3,560	$5,269	$24,646	$9,000	$8,010	$46,925	Rolling Green	2001	4	2
	Hyacinth Road	29,300	3,256	$4,818	$22,538	$9,000	$7,325	$43,682	Rolling Green	2001	4	2
	Brandywine Lane	17,136	1,904	$2,818	$13,182	$9,000	$4,284	$29,283	Afton Chase	1999	4	2
	Burgundy Place	46,568	5,174	$7,658	$35,822	$9,000	$11,642	$64,121	Afton Chase	1999	4	2
	Chatwick Lane	2,248	250	$370	$1,729	$9,000	$562	$11,661	Afton Chase	1999	4	2
						2037	Total	$1,028,815				
						2.5%	Inflation	$1,771,179				
						3.0%	Inflation	$1,971,317				
						3.5%	Inflation	$2,192,932				

Lower Makefield Township; 30-Year Road Improvements Plan

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2038	Manor Lane	19,360	2,151	$3,184	$14,892	$9,000	$4,840	$31,916	Penn Valley Terrace	1991	4	2
	Riverdale Road	41,100	4,567	$6,759	$31,615	$9,000	$10,275	$57,649	Penn Valley Terrace	2003	4	2
	Jockeys Way	60,539	6,727	$9,955	$46,568	$9,000	$15,135	$80,659	Devonshire	2002	4	2
	Jacob Drive	103,320	11,480	$16,990	$79,477	$9,000	$25,830	$131,297	Devonshire	1986	4	2
	Ascot Court	15,360	1,707	$2,526	$11,815	$9,000	$3,840	$27,181	Devonshire	2002	4	2
	Aspen Woods Drive	40,000	4,444	$6,578	$30,769	$9,000	$10,000	$56,347	Makefield Glen		4	2
	Covington Road	125,000	13,889	$20,556	$96,154	$9,000	$31,250	$156,959	Makefield Glen		4	2
	Stafford Place	14,040	1,560	$2,309	$10,800	$9,000	$3,510	$25,619	Stafford Place	2000	4	2
	Laurel Lane	10,000	1,111	$1,644	$7,692	$9,000	$2,500	$20,837	Fairfield Terrace	2006	4	2
	Mahlon Drive	10,400	1,156	$1,710	$8,000	$9,000	$2,600	$21,310	Fairfield Terrace	2006	4	2
	Richard Road	64,800	7,200	$10,656	$49,846	$9,000	$16,200	$85,702	Parktown Estates	2003	4	2
	Michael Road	63,720	7,080	$10,478	$49,015	$9,000	$15,930	$84,424	Parktown Estates	2003	4	2
	Saly Road	87,840	9,760	$14,445	$67,569	$9,000	$21,960	$112,974	Parktown Estates	2003	4	2
	Margery Road	43,200	4,800	$7,104	$33,231	$9,000	$10,800	$60,135	Parktown Estates	2003	4	2
	Nancy Road	48,240	5,360	$7,933	$37,108	$9,000	$12,060	$66,100	Parktown Estates	2003	4	2
						2038	Total	$1,019,110				
						2.5%	Inflation	$1,771,179				
						3.0%	Inflation	$1,971,317				
						3.5%	Inflation	$2,192,932				

Lower Makefield Township; 30-Year Road Improvements Plan

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2039	Countess Drive	76,176	8,464	$12,527	$58,597	$9,000	$19,044	$99,168	Afton Chase	1999	4	2
	Victory Drive	48,600	5,400	$7,992	$37,385	$9,000	$12,150	$66,527	Afton Chase	2002	4	2
	Saxony Lane	37,948	4,216	$6,240	$29,191	$9,000	$9,487	$53,918	Afton Chase	1999	4	2
	Victory Drive	48,600	5,400	$7,992	$37,385	$9,000	$12,150	$66,527	Afton Chase	2002	4	2
	Yorkshire Drive	32,652	3,628	$5,369	$25,117	$9,000	$8,163	$47,649	Afton Chase	1999	4	2
	Cinnabar Lane	102,812	11,424	$16,907	$79,086	$9,000	$25,703	$130,696	Meadowbrook	1997	4	2
	Knightsbridge Road	8,284	920	$1,362	$6,372	$9,000	$2,071	$18,806	Meadowbrook	1997	4	2
	Reading Avenue	52,740	5,860	$8,673	$40,569	$9,000	$13,185	$71,427	Borough of Yardley, Fairway	1999	4	2
	Twining Road	98,050	10,894	$16,124	$75,423	$9,000	$24,513	$125,059	Heather Ridge	2005	3	2
	Drew Drive	52,200	5,800	$8,584	$40,154	$9,000	$13,050	$70,788	Afton Crest	1984	4	2
	Winder Drive	20,094	2,233	$3,304	$15,457	$9,000	$5,024	$32,785	Afton Crest	2002	4	2
	Houston Road Shoulder	9,000	1,000	$1,480	$6,923	$9,000	$2,250	$19,653	Afton Crest	2002	4	2
	Dukes Drive	28,080	3,120	$4,618	$21,600	$9,000	$7,020	$42,238	West Riding	1996	4	2
	Dukes Court	6,000	667	$987	$4,615	$9,000	$1,500	$16,102	West Riding	1996	4	2
	Washington Avenue	3,000	333	$493	$2,308	$9,000	$750	$12,551			4	2
	Riverside Avenue	3,500	389	$576	$2,692	$9,000	$875	$13,143			4	2
	Parkside Avenue	4,000	444	$658	$3,077	$9,000	$1,000	$13,735			4	2
	Morris Lane	8,700	967	$1,431	$6,692	$9,000	$2,175	$19,298			4	2
	Maplevale Drive	38,400	4,267	$6,315	$29,538	$9,000	$9,600	$54,453	Maplevale	1990	4	2
	Meadow Drive	22,800	2,533	$3,749	$17,538	$9,000	$5,700	$35,988	Maplevale	1990	4	2
						2039	Total	$1,010,509				
						2.5%	Inflation	$1,827,734				
						3.0%	Inflation	$2,054,157				
						3.5%	Inflation	$2,307,324				

Lower Makefield Township; 30-Year Road Improvements Plan

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2040	Adams Circle	22,970	2,552	$3,777	$17,669	$9,000	$5,743	$36,189	Yardley Hunt	2008	4	2
	Clinton Drive	56,880	6,320	$9,354	$43,754	$9,000	$14,220	$76,327	Yardley Hunt	2008	4	2
	Sumter Drive	52,200	5,800	$8,584	$40,154	$9,000	$13,050	$70,788	Yardley Hunt	2007	4	2
	Dekalb Drive	14,760	1,640	$2,427	$11,354	$9,000	$3,690	$26,471	Yardley Hunt	2007	4	2
	Lee Circle	25,850	2,872	$4,251	$19,885	$9,000	$6,463	$39,598	Yardley Hunt	2008	4	2
	Wayne Circle	25,850	2,872	$4,251	$19,885	$9,000	$6,463	$39,598	Yardley Hunt	2008	4	2
	Gates Circle	25,130	2,792	$4,132	$19,331	$9,000	$6,283	$38,746	Yardley Hunt	2008	4	2
	Hale Drive	12,240	1,360	$2,013	$9,415	$9,000	$3,060	$23,488	Yardley Hunt	2009	4	2
	Dawes Drive	56,520	6,280	$9,294	$43,477	$9,000	$14,130	$75,901	Yardley Hunt	2008	4	2
	Surrey Court	21,024	2,336	$3,457	$16,172	$9,000	$5,256	$33,886	Bridle Estates	2002	4	2
	Colts Lane	51,516	5,724	$8,472	$39,628	$9,000	$12,879	$69,978	Bridle Estates	2002	4	2
	Bridle Estates Drive	125,784	13,976	$20,684	$96,757	$9,000	$31,446	$157,887	Bridle Estates	2002	4	2
	Bedford Place	60,000	6,667	$9,867	$46,154	$9,000	$15,000	$80,021	Bedford Place	2004	4	2
	Chestnut Lane	17,940	1,993	$2,950	$13,800	$9,000	$4,485	$30,235	Bedford Place	2004	4	2
	Ivy Lane	29,100	3,233	$4,785	$22,385	$9,000	$7,275	$43,445	Bedford Place	2003	4	2
	Doe Trail Lane	30,960	3,440	$5,091	$23,815	$9,000	$7,740	$45,647	Buck Creek Estates	2004	4	2
	Buck Creek Drive	63,710	7,079	$10,477	$49,008	$9,000	$15,928	$84,412	Buck Creek Estates	2004	4	2
	Kenneth Lane	50,040	5,560	$8,229	$38,492	$9,000	$12,510	$68,231	Buck Creek Estates	2004	4	2
	Sylvan Terrace	26,600	2,956	$4,374	$20,462	$9,000	$6,650	$40,486	Cochrane Tract	1982	4	2
						2040	Total	$1,081,334				
						2.5%	Inflation	$2,004,732				
						3.0%	Inflation	$2,264,073				
						3.5%	Inflation	$2,555,457				

Lower Makefield Township; 30-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.6" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
2041	Timber Lakes Drive	48,570	5,397	$7,987	$37,362	$9,000	$12,143	$66,491	Timber Lakes	2005	4	2
	Pheasant Run Circle	25,470	2,830	$4,188	$19,592	$9,000	$6,368	$39,148	Timber Lakes	2005	4	2
	Overton Avenue	7,200	800	$1,184	$5,538	$9,000	$1,800	$17,522	Edgehill Gardens	2004	4	2
	Tower Circle	8,700	967	$1,431	$6,692	$9,000	$2,175	$19,298	Edgehill Gardens	2004	4	2
	Greenway Avenue	8,700	967	$1,431	$6,692	$9,000	$2,175	$19,298	Edgehill Gardens	2004	4	2
	Sunset Road	10,200	1,133	$1,677	$7,846	$9,000	$2,550	$21,073	Delavue	2007	4	2
	Delavue Road	26,200	2,911	$4,308	$20,154	$9,000	$6,550	$40,012	Delavue	2007	4	2
	Terracedale Road	18,800	2,089	$3,092	$14,462	$9,000	$4,700	$31,253	Delavue	2007	4	2
	Morningside Road	38,400	4,267	$6,315	$29,538	$9,000	$9,600	$54,453	Delavue	2007	4	2
	North Crescent Boulevard	34,200	3,800	$5,624	$26,308	$9,000	$8,550	$49,482	Delavue	2007	4	2
	Deerpath Lane	35,280	3,920	$5,802	$27,138	$9,000	$8,820	$50,760	Delavue	2007	4	2
	Alton Road	11,500	1,278	$1,891	$8,846	$9,000	$2,875	$22,612	Delavue	2007	4	2
	Collins Grant Court	14,184	1,576	$2,332	$10,911	$9,000	$3,546	$25,789	Boxwood Farm	2011	4	2
	Williams Lane	17,400	1,933	$2,861	$13,385	$9,000	$4,350	$29,596	Makefield Heights	2009	4	2
	Derbyshire Road	50,700	5,633	$8,337	$39,000	$9,000	$12,675	$69,012	Rock Run	2009	4	2
	Roelofs Court	16,560	1,840	$2,723	$12,738	$9,000	$4,140	$28,602	Queens Grant	2009	4	2
	Roelofs Road (Makefield to Ramsey)	38,520	4,280	$6,334	$29,631	$9,000	$9,630	$54,595	Queens Grant	2007	3	2
	Old Oxford Valley Road	22,000	2,444	$3,618	$16,923	$9,000	$5,500	$35,041		2010	4	2
	Hidden Pond Drive	41,820	4,647	$6,877	$32,169	$9,000	$10,455	$58,501	Hidden Pond	2006	4	2
	Rosalind Run (Fox Hollow Drive to Page Drive)	41,400	4,600	$6,808	$31,846	$9,000	$10,350	$58,004	Yardley Estates	1994	4	2
	Long Acre Lane	124,540	13,838	$20,480	$95,800	$9,000	$31,135	$156,415	Yardley Estates	2012	4	1
	Leslie Lane	93,000	10,333	$15,293	$71,538	$9,000	$23,250	$119,082	Yardley Estates	2012	4	1
						2041	Total	1,066,041				
						2.5%	Inflation	$2,025,790				
						3.0%	Inflation	$2,299,015				
						3.5%	Inflation	$2,607,492				

Lower Makefield Township; 30-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
	Wilshire Drive	32,850	3,650	$5,402	$25,269	$9,000	$8,213	$47,884	Wilshire Glen	2007	4	2
2042	Holly Court	15,490	1,721	$2,547	$11,915	$9,000	$3,873	$27,335	Wilshire Glen	2007	4	2
	Pine Lane East	9,200	1,022	$1,513	$7,077	$9,000	$2,300	$19,890	Wilshire Glen	2007	4	2
	Barbara Lane	1,350	150	$222	$1,038	$9,000	$338	$10,598	Wilshire Glen	2007	4	2
	Radcliffe Road	7,360	818	$1,210	$5,662	$9,000	$1,840	$17,712	Westover	2006	4	2
	Westover Court	4,160	462	$684	$3,200	$9,000	$1,040	$13,924	Westover	2009	4	2
	Keating Drive	57,240	6,360	$9,413	$44,031	$9,000	$14,310	$76,754	Oak Tree Farms	1989	4	2
	Quarry Hill Court	23,880	2,653	$3,927	$18,369	$9,000	$5,970	$37,266	Quarry Commons	2012	4	2
	Ash Lane	5,000	556	$822	$3,846	$9,000	$1,250	$14,918	Quarry Commons	2013	4	2
	Mill Road	70,970	7,886	$11,671	$54,592	$9,000	$17,743	$93,005	Mill Run	2012	3	1
	Stackhouse Drive	8,600	956	$1,414	$6,615	$9,000	$2,150	$19,180	Fairfield Terrace	2006	4	2
	Stacy Drive	10,000	1,111	$1,644	$7,692	$9,000	$2,500	$20,837	Fairfield Terrace	2006	4	2
	Clarendon Court	36,120	4,013	$5,940	$27,785	$9,000	$9,030	$51,754	Woods at Makefield	2005	4	2
	Clearview Drive	66,528	7,392	$10,940	$51,175	$9,000	$16,632	$87,748	Clearview Estates	2002	4	2
	Hayfield Drive	44,352	4,928	$7,293	$34,117	$9,000	$11,088	$61,498	Clearview Estates	2002	4	2
	Cart Path Court	11,090	1,232	$1,824	$8,531	$9,000	$2,773	$22,127	Clearview Estates	2002	4	2
	Old Farm Court	11,090	1,232	$1,824	$8,531	$9,000	$2,773	$22,127	Clearview Estates	2002	4	2
	Surrey Brooke Court	7,920	880	$1,302	$6,092	$9,000	$1,980	$18,375	Clearview Estates	2002	4	2
	Bramble Court	7,920	880	$1,302	$6,092	$9,000	$1,980	$18,375	Clearview Estates	2002	4	2
	Prospect Farm Drive	41,174	4,575	$6,771	$31,672	$9,000	$10,294	$57,737	Estates at Prospect Manor	2005	4	2
	Enoch Court	19,894	2,210	$3,271	$15,303	$9,000	$4,974	$32,548	Estates at Prospect Manor	2005	4	2
	Prince William Court	25,800	2,867	$4,243	$19,846	$9,000	$6,450	$39,539	Sanctuary	1996	4	2
	Glen Oak Drive	32,760	3,640	$5,387	$25,200	$9,000	$8,190	$47,777	Glen Oaks	2002	4	2
	Revere Road (between Madison and Sumter)	182,160	20,240	$29,955	$140,123	$9,000	$45,540	$224,618	Yardley Hunt	2006	4	2

2042	Total	1,083,525
2.5%	Inflation	$2,110,490
3.0%	Inflation	$2,406,822
3.5%	Inflation	$2,743,016

Lower Makefield Township; 30-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
	Lexington Drive	87,840	9,760	$14,445	$67,569	$9,000	$21,960	$112,974	Yardley Hunt	2008	4	2
2043	Whitehall Drive	7,560	840	$1,243	$5,815	$9,000	$1,890	$17,949	Yardley Hunt	2008	4	2
	Buford Drive	58,610	6,512	$9,638	$45,085	$9,000	$14,653	$78,375	Yardley Hunt	2009	4	2
	Knox Court	9,650	1,072	$1,587	$7,423	$9,000	$2,413	$20,422	Yardley Hunt	2000	4	2
	Canterbury Drive	14,760	1,640	$2,427	$11,354	$9,000	$3,690	$26,471	Yardley Hunt	2008	4	2
	Hudson Drive	57,600	6,400	$9,472	$44,308	$9,000	$14,400	$77,180	Yardley Hunt	2004	4	2
	Madison Drive	77,040	8,560	$12,669	$59,262	$9,000	$19,260	$100,190	Yardley Hunt	2005	4	2
	Winthrop Drive	49,320	5,480	$8,110	$37,938	$9,000	$12,330	$67,379	Yardley Hunt	2004	4	2
	Stark Circle	21,530	2,392	$3,540	$16,562	$9,000	$5,383	$34,485	Yardley Hunt	2004	4	2
	Ward Drive	48,960	5,440	$8,051	$37,662	$9,000	$12,240	$66,953	Yardley Hunt	2005	4	2
	Monroe Drive	13,320	1,480	$2,190	$10,246	$9,000	$3,330	$24,767	Yardley Hunt	2008	4	2
	Salem Court	15,770	1,752	$2,593	$12,131	$9,000	$3,943	$27,667	Yardley Hunt	2000	4	2
	Knox Drive	121,680	13,520	$20,010	$93,600	$9,000	$30,420	$153,030	Yardley Hunt	2008	4	2
	Kent Drive	7,500	833	$1,233	$5,769	$9,000	$1,875	$17,878	Valleywood	2007	4	2
	Noreen Drive	48,000	5,333	$7,893	$36,923	$9,000	$12,000	$65,816	Valleywood	2005	4	2
	Valley Drive	31,200	3,467	$5,131	$24,000	$9,000	$7,800	$45,931	Valleywood	2005	4	2
	Gordon Drive	36,900	4,100	$6,068	$28,385	$9,000	$9,225	$52,678	Valleywood	1989	4	2
	Roelofs Road (Derbyshire to Bluestone)	57,480	6,387	$9,452	$44,215	$9,000	$14,370	$77,038	Wyndham	2013	3	1
						2043	Total	1,067,180				
						2.5%	Inflation	$2,130,620				
						3.0%	Inflation	$2,441,631				
						3.5%	Inflation	$2,796,195				

Lower Makefield Township; 30-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
	Schuyler Road	201,200	22,356	$33,086	$154,769	$9,000	$50,300	$247,155	Collector	2014	2	1
2044	Delaware Rim Drive	63,960	7,107	$10,518	$49,200	$9,000	$15,990	$84,708	Chanticleer	1999	4	2
	Dyers Lane	29,000	3,222	$4,769	$22,308	$9,000	$7,250	$43,327	Chanticleer	2011	4	2
	Bray Lane	8,250	917	$1,357	$6,346	$9,000	$2,063	$18,765	Chanticleer	2011	4	2
	Sandy Drive	34,200	3,800	$5,624	$26,308	$9,000	$8,550	$49,482	Makefield Village	2009	4	2
	Patrick Lane	24,000	2,667	$3,947	$18,462	$9,000	$6,000	$37,408	Makefield Village	2009	4	2
	Rita Road	30,900	3,433	$5,081	$23,769	$9,000	$7,725	$45,576	Makefield village	2009	4	2
	Sanner Drive	7,950	883	$1,307	$6,115	$9,000	$1,988	$18,410	Makefield Village	2009	4	2
	Sandy Run Road	109,980	12,220	$18,086	$84,600	$9,000	$27,495	$139,181	Snady Run	2013	3	1
	Glen Valley Road	22,000	2,444	$3,618	$16,923	$9,000	$5,500	$35,041	West Acres, Glenwood	2013	4	1
	Crown Terrace (West)	51,320	5,702	$8,439	$39,477	$9,000	$12,830	$69,746	West Acres, Glenwood	2013	4	1
	Evergreen Road	60,600	6,733	$9,965	$46,615	$9,000	$15,150	$80,731	West Acres, Glenwood	2013	4	1
	Townsend Road	16,740	1,860	$2,753	$12,877	$9,000	$4,185	$28,815	Cochrane Tract	2009	4	2
	East School Lane	20,200	2,244	$3,322	$15,538	$9,000	$5,050	$32,910	Cochrane Tract	2009	4	2
	West School Lane	33,100	3,678	$5,443	$25,462	$9,000	$8,275	$48,180	Cochrane Tract	2005	4	2
	Odessa Lane	10,140	1,127	$1,667	$7,800	$9,000	$2,535	$21,002	Meetinghouse Glen	2003	4	2
	Meetinghouse Lane	32,102	3,567	$5,279	$24,694	$9,000	$8,026	$46,998	Meetinghouse Glen	2003	4	2
						2044	Total	$1,047,435				
						2.5%	Inflation	$2,143,478				
						3.0%	Inflation	$2,468,348				
						3.5%	Inflation	$2,840,515				

Lower Makefield Township; 30-Year Road Improvements Plan

	Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved	Road Usage Rating (1-5) 1=ARTERIAL 2= COLLECTOR 3= CONNECTOR 4=SUBDIVISION 5= DEAD END	Surface Condition Rating (1-5) 1=NEW 2=SM CRACKS 3=FEW HOLES 4=Some BASE 5=TOTAL REBUILD
2045	Amberwood Drive	10,000	1,111	$1,644	$7,692	$9,000	$2,500	$20,837	Mill Road Estates		4	2
	Arbor Court	5,000	556	$822	$3,846	$9,000	$1,250	$14,918	Mill Road Estates		4	2
	Hearthstone Drive	36,000	4,000	$5,920	$27,692	$9,000	$9,000	$51,612	Mill Road Estates		4	2
	Landmark Road	30,000	3,333	$4,933	$23,077	$9,000	$7,500	$44,510	Mill Road Estates		4	2
	Emerald Drive (overlook to acorn)	41,040	4,560	$6,749	$31,569	$9,000	$10,260	$57,578	Oxford Glen, Yardley Oaks	2013	4	2
	Heritage Oak Drive	132,050	14,672	$21,715	$101,577	$9,000	$33,013	$165,304	Heritage Oaks	2013	4	1
	Penn Oak Circle	11,810	1,312	$1,942	$9,085	$9,000	$2,953	$22,979	Heritage Oaks	2013	4	1
	Sunnyside Lane	28,620	3,180	$4,706	$22,015	$9,000	$7,155	$42,877	Sunny Knolls	2014	4	1
	Spur Road	9,540	1,060	$1,569	$7,338	$9,000	$2,385	$20,292	Sunny Knolls	2014	4	1
	Harvard Drive	50,100	5,567	$8,239	$38,538	$9,000	$12,525	$68,302	Sandy Run II	2014	4	1
	University Drive	179,100	19,900	$29,452	$137,769	$9,000	$44,775	$220,996	Sandy Run II	2014	4	1
	Princeton Drive	17,100	1,900	$2,812	$13,154	$9,000	$4,275	$29,241	Sandy Run II	2014	4	1
	Layfayette Drive	42,000	4,667	$6,907	$32,308	$9,000	$10,500	$58,714	Sandy Run II	2014	4	1
	Georgian Court	13,150	1,461	$2,162	$10,115	$9,000	$3,288	$24,565	Brookshire Estates	2011	4	2
	Graystone Lane	9,000	1,000	$1,480	$6,923	$9,000	$2,250	$19,653	Brookshire Estates	2001	4	2
	Peyton Drive	13,320	1,480	$2,190	$10,246	$9,000	$3,330	$24,767	Brookshire Estates	2011	4	2
	Tristen Drive	18,040	2,004	$2,967	$13,877	$9,000	$4,510	$30,354	Brookshire Estates	2011	4	2
	Pennsbury Court	18,000	2,000	$2,960	$13,846	$9,000	$4,500	$30,306	North of Makefield Village	2009	4	1
	Prospect Avenue	7,300	811	$1,200	$5,615	$9,000	$1,825	$17,641			4	2
	Robinson Place	4,500	500	$740	$3,462	$9,000	$1,125	$14,327			4	2
	Warwick Road	10,400	1,156	$1,710	$8,000	$9,000	$2,600	$21,310			4	2
						2045	Total	$1,001,084				
						2.5%	Inflation	$2,099,841				
						3.0%	Inflation	$2,429,894				
						3.5%	Inflation	$2,809,836				

Lower Makefield Township; 30-Year Road Improvements Plan

Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved
PRIVATE AND NON-DEDICATED ROADS:									
Alder Court								Heacock Meadows	
Ballytore Court								Yardley Corner	
Bayberry Lane								Heacock Meadows	
Bayley Lane								Heacock Meadows	
Berrel Court								Palmer Farms	
Brian Court								Quarry Road	
Brookhaven Drive								Makefield Glen	
Buchanan Way								Regency at Yardley	
Butterfly Court								Tanglewood	
Carson Way								Regency at Yardley	
Cedar Hollow Drive								Makefield Glen	
Chapman's Court								Freeman's Field	
Clover Hill Court								Yardley Corner	
Coolidge Way								Regency at Yardley	
Cornerstone Drive								Cornerstone	
Coventry Court								Yardley Corner	
Danbury Court								Makefield Glen	
Devon Court								Yardley Corner	
Filmore Way								Regency at Yardley	
Floral Vale Blvd								Floral Vale	
Franklin Circle								Palmer Farms	
Garfield Way								Regency at Yardley	
Gaucks Lane								Brookshire Estates	
Grant Way								Regency at Yardley	
Gregg Court								Palmer Farms	
Haines Way								Regency at Yardley	
Hawthorne Lane								Heacock Meadows	
Hayes Way								Regency at Yardley	
Hoover Way								Regency at Yardley	
Hunters Court								Yardley Corner	
Janney Lane								Heacock Meadows	
Jase Drive								Brookside Estates	
Johnson Way								Regency at Yardley	
Kathy Drive								Belmondo	
Kennedy Way								Regency at Yardley	
Kirkbridge Circle								Palmer Farms	
Knight Circle								Palmer Farms	
Larch Court								Heacock Meadows	
Lipmann Lane								Off River Road	
Littlecroft Court								Yardley Corner	
Lock Ridge Way								Yardley Estates	
Lynbrooke Drive								Brookstone	
Palmer Lane								Heacock Meadows	
Palmer Farm Drive								Palmer Farms	
Parkside Avenue								Off River Road	
Payten Drive								Brookshire Estates	
Pierce Way								Regency at Yardley	
Pine Grove Road								State Road (Yardley Morrisville)	
Polk Way								Regency at Yardley	

Road Usage Rating (1-5)
1=ARTERIAL
2= COLLECTOR
3= CONNECTOR
4=SUBDIVISION
5= DEAD END

Surface Condition Rating (1-5)
1=NEW
2=SM CRACKS
3=FEW HOLES
4=Some BASE
5=TOTAL REBUILD

Lower Makefield Township; 30-Year Road Improvements Plan

Road Name	RoadwayArea (SF)	Roadway Area (SY)	Milling Unit Price per SY = $1.48	1.5" Superpave overlay Price per Ton = $81. Tons per SY=11.70. Price PER SY:	ADA Ramp Construction Unit Price = $3,000 Each. Assume 3 per each road (4yr AVG):	Reconstruct and Base Repairs per SY = $45. Assume 5% of SY requires Recnst/Base Repair	Total Price	Housing Development	Year Last Paved
Polo Run Drive								Polo Run	
Quail Court								Heacock Meadows	
Regency Blvd								Regency at Yardley	
Renaissance Blvd								Regency at Yardley	
Ridge Road								In Morrisville Borogh	
Roosevelt Drive								Regency at Yardley	
Satter Court								Palmer Farms	
Scott Court								Palmer Farms	
Sebastion Way								Regency at Yardley	
Sheffield Drive (Rd.)								Makefield Estates	
South Dove Road								Heacock Meadows	
Spring Mill Court								Yardlley Corner	
Springtree Lane								Private off Black Rock Rd.	
Spruce Mill Drive								Makefield Glen	
Sterling Road								Brookstone	
Tall Pines Road								Yardley Corner	
Tomlinson Lane								Heacock Meadows	
Truman Way								Regency at Yardley	
Tyler Way								Regency at Yardley	
Umbrell Way								Regency at Yardley	
Walther Court								Makefield Glen	
Waterford Road								Brookstone	
Woodford Lane								Heacock Meadows	
Yellow Springs Court								Yardley Corner	

Road Usage Rating (1-5)	Surface Condition Rating (1-5)
1=ARTERIAL	1=NEW
2= COLLECTOR	2=SM CRACKS
3= CONNECTOR	3=FEW HOLES
4=SUBDIVISION	4=Some BASE
5= DEAD END	5=TOTAL REBUILD