



Engineering & Public Works Department

SUBJECT: 2019 Motor Fuel Tax (MFT) Road Program

MEETING DATE: April 9, 2019

FROM: [Brigitte Berger-Raish](#), P.E. Director of Engineering and Public Works
[Dan Manis](#), P.E., Village Engineer
[Ryan Kearney](#), P.E., Project Manager

BUDGET IMPACT: Project Cost \$705,657
Over/(Under) \$0

Recommended Motion

Move to approve a contract in the amount not-to-exceed \$705,657 with Schroeder Asphalt Services, Inc., Marengo, IL, for the 2019 MFT Road Program.

Background

The 2019 Budget allocates a total of \$2.677 million for road rehabilitation-related projects, including the grant-funded Lake Avenue/Skokie Boulevard Intersection improvements (Phase 1 preliminary engineering), Central Avenue Reconstruction and Downtown Streetscape (Phase 2 design engineering) and Locust Road Reconstruction (Phase 3 construction). In addition to local funds, the 2019 Budget allocates \$700,000 in Motor Fuel Tax (MFT) funds for the 2019 Road Program.

Village staff uses pavement evaluation software to prioritize street rehabilitation needs on a “worst first” basis.

The following streets are included in the bid:

Street	From	To
Central Ave	Lavergne Ave	Hibbard Rd
Elmwood Ave	Dartmouth St	Hunter Rd
Lilac Ln	Briar Ln	Millbrook Ln
Princeton Pl	Greenwood Ave	South Dead End
5 th St	Gregory St	Maple Ave
20 th St ¹	Central Ave	Highland Ave

¹ Alternate 1 Bid (recommended). The existing concrete pavement will be resurfaced with hot-mix asphalt.

The 2019 MFT Road Program consists of pavement removal and replacement, spot curb and gutter removal and replacement, sidewalk replacement as-needed, sewer repairs and pavement patching throughout the Village.

The bid included an alternate bid option (Alternate 1) to resurface 20th Street, from Central Avenue to Highland Avenue, with asphalt. This work consists of full curb and gutter replacement and sidewalk replacement as-needed.

The 2019 Road Program will rehabilitate approximately 0.64 miles.

Discussion

The 2019 MFT Road Program was advertised for bid on the Village website on February 25, 2019, and subsequently in the Illinois Department of Transportation (IDOT) Contractor’s Bulletin. The project was designed by staff in the Engineering Division. The project had six qualified bidders. Bids were opened on March 25, 2019 and are summarized below in order based on the cost for the Base Bid plus Alternate 1:

Company	Base Bid	Alternate 1	Base + Alt. 1
Schroeder Asphalt	\$636,171.63	\$69,484.73	\$705,656.36
Chicagoland Paving	\$647,000.00	\$80,003.18	\$727,003.18
A Lamp Concrete	\$667,059.23	\$77,603.93	\$744,663.16
Johnson Paving	\$691,700.00	\$80,629.13	\$772,329.13
Peter Baker & Son	\$723,699.08	\$80,124.38	\$803,823.46
Builders Paving	\$839,356.12	\$130,643.88	\$970,000.00
Engineers’ Estimate	\$676,295.55	\$74,885.05	\$751,180.00

Schroeder Asphalt Services provided the lowest qualified bid of \$705,657 (Base Bid plus Alternate 1). While they have not worked in Wilmette in recent years, Village staff contacted the St. Charles, Streamwood, and Arlington Heights where Schroeder Asphalt Services completed street resurfacing programs for each municipality. Each municipality was satisfied with the quality of work. Based on their competitive bid and references, the Engineering and Public Works Department recommends awarding the 2019 MFT Road Program to Schroeder Asphalt Services, Inc.

Schedule

The 2019 MFT Road Program is scheduled to begin mid-May and be completed by mid-August 2019.

Budget Impact

The 2019 MFT Road Program will be paid for as follows:

Account Name	Account Number	Budget Amount	Contract Amount	Account Balance
Street Resurfacing (MFT Funds)	22632070-470100-80190	\$700,000	\$700,000	\$0
Street Resurfacing (Dedicated Revenues)	11202035-425250	\$1,977,84	\$0	¹ \$1,977,840
Sewer Main Repairs	408007090-470400-80707	\$327,500	² \$5,657	³ \$321,843
Total Program			\$705,657	

¹ Funds allocated to Skokie/Lake, Central and Downtown Streetscape, and Locust projects.

² \$5,657 to fund combined sewer repairs on 5th Street.

³ Balance to be used in a separate contract for the Sewer Point Repairs Program

Documents Attached

- 1. Bid Tabulation
- 2. CIP Project Sheet

VILLAGE OF WILMETTE
 2019 ROAD PROGRAM (#19041)
 SECTION 19-00202-00-RS
 BID TABULATION
 DATE: MARCH 25, 2019

BASE BID				ENGINEER'S ESTIMATE OF COST		SCHROEDER ASPHALT SERVICES, INC.		CHICAGOLAND PAVING CONTRACTORS INC.		A LAMP CONCRETE CONTRACTORS INC.		JOHNSON PAVING		PETER BAKER & SON CO.		BUILDERS PAVING	
ITEM NO.	ITEMS	UNIT	QUANTITY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
20100210	TREE REMOV OVER 15	UNIT	1	\$1,000.00	\$ 1,000.00	\$ 1,400.00	\$ 1,400.00	\$ 1,250.00	\$ 1,250.00	\$ 500.00	\$ 500.00	\$ 950.00	\$ 950.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00
	TEMPORARY FENCE	FOOT	500	\$2.70	\$ 1,350.00	\$ 6.00	\$ 3,000.00	\$ 3.00	\$ 1,500.00	\$ 1.00	\$ 500.00	\$ 5.00	\$ 2,500.00	\$ 5.00	\$ 2,500.00	\$ 2.25	\$ 1,125.00
20101100	TREE TRUNK PROTECTION	EACH	50	\$76.00	\$ 3,800.00	\$ 115.00	\$ 5,750.00	\$ 75.00	\$ 3,750.00	\$ 50.00	\$ 2,500.00	\$ 95.00	\$ 4,750.00	\$ 150.00	\$ 7,500.00	\$ 150.00	\$ 7,500.00
	TREE ROOT PRUNING	EACH	25	\$105.00	\$ 2,625.00	\$ 120.00	\$ 3,000.00	\$ 100.00	\$ 2,500.00	\$ 25.00	\$ 625.00	\$ 65.00	\$ 1,625.00	\$ 150.00	\$ 3,750.00	\$ 150.00	\$ 3,750.00
	REM & DISP UNS MATL	CU YD	80	\$92.50	\$ 7,400.00	\$ 50.00	\$ 4,000.00	\$ 25.00	\$ 2,000.00	\$ 25.00	\$ 2,000.00	\$ 50.00	\$ 4,000.00	\$ 94.00	\$ 7,520.00	\$ 67.00	\$ 5,360.00
	TRENCH BACKFILL	CU YD	49	\$41.00	\$ 2,009.00	\$ 43.00	\$ 2,107.00	\$ 41.25	\$ 2,021.25	\$ 55.00	\$ 2,695.00	\$ 40.00	\$ 1,960.00	\$ 40.00	\$ 1,960.00	\$ 40.00	\$ 1,960.00
	TOPSOIL F & P VAR DP	CU YD	103	\$17.50	\$ 1,802.50	\$ 60.00	\$ 6,180.00	\$ 35.00	\$ 3,605.00	\$ 25.00	\$ 2,575.00	\$ 1.00	\$ 103.00	\$ 50.00	\$ 5,150.00	\$ 50.00	\$ 5,150.00
	SEEDING, SPECIAL	SQ YD	332	\$6.25	\$ 2,075.00	\$ 12.00	\$ 3,984.00	\$ 10.00	\$ 3,320.00	\$ 10.00	\$ 3,320.00	\$ 2.00	\$ 664.00	\$ 10.00	\$ 3,320.00	\$ 10.00	\$ 3,320.00
	SODDING, SPECIAL	SQ YD	764	\$12.50	\$ 9,550.00	\$ 15.25	\$ 11,651.00	\$ 17.50	\$ 13,370.00	\$ 18.00	\$ 13,752.00	\$ 13.00	\$ 9,932.00	\$ 15.00	\$ 11,460.00	\$ 15.00	\$ 11,460.00
28000510	INLET FILTERS	EACH	37	\$103.00	\$ 3,811.00	\$ 125.00	\$ 4,625.00	\$ 155.00	\$ 5,735.00	\$ 15.00	\$ 555.00	\$ 150.00	\$ 5,550.00	\$ 160.00	\$ 5,920.00	\$ 225.00	\$ 8,325.00
	AGG SUBGRADE IMPROVE	CU YD	14	\$23.00	\$ 322.00	\$ 60.00	\$ 840.00	\$ 35.00	\$ 490.00	\$ 25.00	\$ 350.00	\$ 60.00	\$ 840.00	\$ 95.00	\$ 1,330.00	\$ 65.00	\$ 910.00
	AGG BASE CSE B	CU YD	27	\$20.50	\$ 553.50	\$ 60.00	\$ 1,620.00	\$ 35.00	\$ 945.00	\$ 30.00	\$ 810.00	\$ 60.00	\$ 1,620.00	\$ 95.00	\$ 2,565.00	\$ 77.00	\$ 2,079.00
35800100	PREPARATION OF BASE	SQ YD	426	\$1.20	\$ 511.20	\$ 2.50	\$ 1,065.00	\$ 2.50	\$ 1,065.00	\$ 2.00	\$ 852.00	\$ 1.75	\$ 745.50	\$ 2.70	\$ 1,150.20	\$ 3.00	\$ 1,278.00
40600275	BT MATLS PR CT	POUND	788	\$1.00	\$ 788.00	\$ 0.01	\$ 7.88	\$ 0.01	\$ 7.88	\$ 0.01	\$ 7.88	\$ 0.01	\$ 7.88	\$ 0.01	\$ 7.88	\$ 0.01	\$ 7.88
40600290	BIT MATLS TACK CT	POUND	6,970	\$0.50	\$ 3,485.00	\$ 0.01	\$ 69.70	\$ 0.01	\$ 69.70	\$ 0.01	\$ 69.70	\$ 0.01	\$ 69.70	\$ 0.01	\$ 69.70	\$ 0.01	\$ 69.70
40600625	LEV BIND MM N50 1.5	TON	666	\$82.00	\$ 54,612.00	\$ 92.00	\$ 61,272.00	\$ 100.00	\$ 66,600.00	\$ 98.00	\$ 65,268.00	\$ 90.00	\$ 59,940.00	\$ 86.00	\$ 57,276.00	\$ 128.00	\$ 85,248.00
40600982	HMA SURF REM BUTT JT	SQ YD	40	\$9.25	\$ 370.00	\$ 15.00	\$ 600.00	\$ 10.00	\$ 400.00	\$ 8.00	\$ 320.00	\$ 6.00	\$ 240.00	\$ 20.00	\$ 800.00	\$ 25.00	\$ 1,000.00
40603080	HMA BC IL-19.0 N50	TON	59	\$72.10	\$ 4,253.90	\$ 135.00	\$ 7,965.00	\$ 85.00	\$ 5,015.00	\$ 95.00	\$ 5,605.00	\$ 86.00	\$ 5,074.00	\$ 164.00	\$ 9,676.00	\$ 128.00	\$ 7,552.00
40603335	HMA SC "D" N50 1.5	TON	666	\$78.25	\$ 52,114.50	\$ 92.00	\$ 61,272.00	\$ 80.00	\$ 53,280.00	\$ 98.00	\$ 65,268.00	\$ 92.00	\$ 61,272.00	\$ 86.00	\$ 57,276.00	\$ 128.00	\$ 85,248.00
40800050	INCIDENTAL HMA SURF	TON	7	\$248.00	\$ 1,736.00	\$ 200.00	\$ 1,400.00	\$ 125.00	\$ 875.00	\$ 120.00	\$ 840.00	\$ 475.00	\$ 3,325.00	\$ 400.00	\$ 2,800.00	\$ 250.00	\$ 1,750.00
42400200	PC CONC SIDEWALK 5	SQ FT	2,414	\$6.25	\$ 15,087.50	\$ 6.30	\$ 15,208.20	\$ 6.10	\$ 14,725.40	\$ 6.80	\$ 16,415.20	\$ 6.50	\$ 15,691.00	\$ 5.90	\$ 14,242.60	\$ 8.25	\$ 19,915.50
42400300	PC CONC SIDEWALK 6	SQ FT	2,422	\$6.25	\$ 15,112.50	\$ 7.95	\$ 19,239.90	\$ 7.75	\$ 18,755.50	\$ 7.50	\$ 18,165.00	\$ 8.00	\$ 19,360.00	\$ 7.50	\$ 18,150.00	\$ 8.50	\$ 20,562.50
	DETECTABLE WARNINGS	SQ FT	280	\$36.00	\$ 10,080.00	\$ 37.25	\$ 10,430.00	\$ 36.10	\$ 10,108.00	\$ 25.00	\$ 7,000.00	\$ 35.00	\$ 9,800.00	\$ 35.00	\$ 9,800.00	\$ 40.00	\$ 11,200.00
44000100	PAVEMENT REM	SQ YD	350	\$19.50	\$ 6,825.00	\$ 15.00	\$ 5,250.00	\$ 5.00	\$ 1,750.00	\$ 18.00	\$ 6,300.00	\$ 17.00	\$ 5,950.00	\$ 11.00	\$ 3,850.00	\$ 15.00	\$ 5,250.00
	HMA SURF REM 2 75	SQ YD	7,569	\$4.00	\$ 30,276.00	\$ 3.65	\$ 27,626.85	\$ 2.75	\$ 20,814.75	\$ 3.75	\$ 28,383.75	\$ 5.00	\$ 37,845.00	\$ 5.50	\$ 41,629.50	\$ 5.35	\$ 40,494.15
	COMB CC&G REM & REPL	FOOT	2,021	\$23.25	\$ 46,988.25	\$ 27.50	\$ 55,577.50	\$ 26.80	\$ 54,162.80	\$ 28.75	\$ 58,103.75	\$ 28.00	\$ 56,588.00	\$ 26.00	\$ 52,548.00	\$ 37.00	\$ 74,777.00
44000600	SIDEWALK REM	SQ FT	2,655	\$3.00	\$ 7,965.00	\$ 1.60	\$ 4,248.00	\$ 1.25	\$ 3,318.75	\$ 1.25	\$ 3,318.75	\$ 1.50	\$ 3,982.50	\$ 1.30	\$ 3,451.50	\$ 1.50	\$ 3,982.50
44200934	CL B PATCH T2 8	SQ YD	79	\$99.00	\$ 7,821.00	\$ 99.00	\$ 7,821.00	\$ 97.00	\$ 7,663.00	\$ 100.00	\$ 7,900.00	\$ 94.00	\$ 7,426.00	\$ 94.00	\$ 7,426.00	\$ 105.00	\$ 8,295.00
44200942	CL B PATCH T3 8	SQ YD	119	\$99.00	\$ 11,781.00	\$ 93.00	\$ 11,067.00	\$ 91.00	\$ 10,829.00	\$ 92.00	\$ 10,948.00	\$ 88.00	\$ 10,472.00	\$ 88.00	\$ 10,472.00	\$ 95.00	\$ 11,305.00
44200944	CL B PATCH T4 8	SQ YD	159	\$99.00	\$ 15,741.00	\$ 85.00	\$ 13,515.00	\$ 83.00	\$ 13,197.00	\$ 88.00	\$ 13,992.00	\$ 80.00	\$ 12,720.00	\$ 80.00	\$ 12,720.00	\$ 95.00	\$ 15,105.00
44201672	CL D PATCH T2 2	SQ YD	20	\$32.00	\$ 640.00	\$ 35.00	\$ 700.00	\$ 25.00	\$ 500.00	\$ 50.00	\$ 1,000.00	\$ 36.00	\$ 720.00	\$ 74.00	\$ 1,480.00	\$ 84.00	\$ 1,680.00
44201674	CL D PATCH T3 2	SQ YD	60	\$32.00	\$ 1,920.00	\$ 28.00	\$ 1,680.00	\$ 20.00	\$ 1,200.00	\$ 45.00	\$ 2,700.00	\$ 33.50	\$ 2,010.00	\$ 36.00	\$ 2,160.00	\$ 67.00	\$ 4,020.00
44201676	CL D PATCH T4 2	SQ YD	100	\$32.00	\$ 3,200.00	\$ 26.00	\$ 2,600.00	\$ 20.00	\$ 2,000.00	\$ 45.00	\$ 4,500.00	\$ 33.50	\$ 3,350.00	\$ 31.00	\$ 3,100.00	\$ 38.50	\$ 3,850.00
44201692	CL D PATCH T2 4	SQ YD	20	\$35.00	\$ 700.00	\$ 35.00	\$ 700.00	\$ 35.00	\$ 700.00	\$ 55.00	\$ 1,100.00	\$ 72.00	\$ 1,440.00	\$ 89.00	\$ 1,780.00	\$ 53.00	\$ 1,060.00
44201694	CL D PATCH T3 4	SQ YD	60	\$35.00	\$ 2,100.00	\$ 41.00	\$ 2,460.00	\$ 35.00	\$ 2,100.00	\$ 50.00	\$ 3,000.00	\$ 67.00	\$ 4,020.00	\$ 52.00	\$ 3,120.00	\$ 46.50	\$ 2,790.00
44201696	CL D PATCH T4 4	SQ YD	100	\$35.00	\$ 3,500.00	\$ 40.00	\$ 4,000.00	\$ 35.00	\$ 3,500.00	\$ 50.00	\$ 5,000.00	\$ 67.00	\$ 6,700.00	\$ 46.00	\$ 4,600.00	\$ 45.50	\$ 4,550.00
44201717	CL D PATCH T2 6	SQ YD	94	\$39.00	\$ 3,666.00	\$ 49.00	\$ 4,606.00	\$ 55.00	\$ 5,170.00	\$ 60.00	\$ 5,640.00	\$ 50.00	\$ 4,700.00	\$ 73.00	\$ 6,862.00	\$ 72.75	\$ 6,838.50
44201721	CL D PATCH T3 6	SQ YD	144	\$39.00	\$ 5,616.00	\$ 47.00	\$ 6,768.00	\$ 52.00	\$ 7,488.00	\$ 55.00	\$ 7,920.00	\$ 50.00	\$ 5,000.00	\$ 66.00	\$ 9,504.00	\$ 64.50	\$ 9,288.00
44201723	CL D PATCH T4 6	SQ YD	194	\$39.00	\$ 7,566.00	\$ 46.00	\$ 8,924.00	\$ 50.00	\$ 9,700.00	\$ 55.00	\$ 10,670.00	\$ 50.00	\$ 9,700.00	\$ 63.00	\$ 12,222.00	\$ 60.00	\$ 11,640.00
	STORM SEW REM & REPL 12	FOOT	16	\$90.00	\$ 1,440.00	\$ 580.00	\$ 9,280.00	\$ 565.00	\$ 9,040.00	\$ 100.00	\$ 1,600.00	\$ 545.00	\$ 8,720.00	\$ 545.00	\$ 8,720.00	\$ 545.00	\$ 8,720.00
	CB TA 4 DIA T1F	EACH	5	\$4,050.00	\$ 20,250.00	\$ 5,300.00	\$ 26,500.00	\$ 5,100.00	\$ 25,500.00	\$ 3,500.00	\$ 17,500.00	\$ 4,950.00	\$ 24,750.00	\$ 4,950.00	\$ 24,750.00	\$ 4,950.00	\$ 24,750.00
	INLETS TA T1F	EACH	1	\$1,375.00	\$ 1,375.00	\$ 1,950.00	\$ 1,950.00	\$ 1,915.00	\$ 1,915.00	\$ 2,000.00	\$ 2,000.00	\$ 1,850.00	\$ 1,850.00	\$ 1,850.00	\$ 1,850.00	\$ 1,850.00	\$ 1,850.00
	FR & LIDS T1 OL	EACH	1	\$325.00	\$ 325.00	\$ 430.00	\$ 430.00	\$ 415.00	\$ 415.00	\$ 500.00	\$ 500.00	\$ 400.00	\$ 400.00	\$ 400.00	\$ 400.00	\$ 400.00	\$ 400.00
	FR & LIDS T1 CL	EACH	3	\$325.00	\$ 975.00	\$ 430.00	\$ 1,290.00	\$ 415.00	\$ 1,245.00	\$ 500.00	\$ 1,500.00	\$ 400.00	\$ 1,200.00	\$ 400.00	\$ 1,200.00	\$ 400.00	\$ 1,200.00
	COMB CC&G TM2. 12	FOOT	200	\$25.00	\$ 5,000.00	\$ 28.00	\$ 5,600.00	\$ 26.80	\$ 5,360.00	\$ 25.00	\$ 5,000.00	\$ 28.00	\$ 5,600.00	\$ 26.00	\$ 5,200.00	\$ 25.50	\$ 5,100.00
	COMB CC&G TM MOD	FOOT	766	\$25.00	\$ 19,150.00	\$ 28.00	\$ 21,448.00	\$ 26.80	\$ 20,528.80	\$ 27.00	\$ 20,682.00	\$ 28.00	\$ 21,448.00	\$ 26.00	\$ 19,916.00	\$ 28.00	\$ 21,448.00
	VV TA 4 DIA T5F CL	EACH	4	\$2,500.00	\$ 10,000.00	\$ 5,050.00	\$ 20,200.00	\$ 5,000.00	\$ 20,000.00	\$ 3,500.00	\$ 14,000.00	\$ 4,850.00	\$ 19,400.00	\$ 4,850.00	\$ 19,400.00	\$ 4,850.00	\$ 19,400.00
67100100	MOBILIZATION	L SUM	1	\$50,000.00	\$ 50,000.00	\$ 11,000.00	\$ 11,000.00	\$ 18,804.07	\$ 18,804.07	\$ 40,000.00	\$ 40,000.00	\$ 35,000.00	\$ 35,000.00	\$ 49,500.00	\$ 49,500.00	\$ 58,000.00	\$ 58,000.00
70102620	TRAF CONT & PROT 701501	L SUM	1	\$41,000.00	\$ 41,000.00	\$ 6,000.00	\$ 6,000.00	\$ 18,804.07	\$ 18,804.07	\$ 7,000.00	\$ 7,000.00	\$ 17,181.72	\$ 17,181.72	\$ 12,235.00	\$ 12,235.00	\$ 7,616.49	\$ 7,616.49
70102635	TRAF CONT & PROT 701701	L SUM	1	\$70.00	\$ 70.00	\$ 1.00	\$ 1.00	\$ 100.00	\$ 100.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 100.00	\$ 100.00	\$ 1.00	\$ 1.00
70102640	TRAF CONT & PROT 701801	L SUM	1	\$1,235.00	\$ 1,235.00	\$ 1.00	\$ 1.00	\$ 100.00									

VILLAGE OF WILMETTE
2019 ROAD PROGRAM (#19041)
SECTION 19-00202-00-RS
BID TABULATION
DATE: MARCH 25, 2019

BASE BID			ENGINEER'S ESTIMATE OF COST		SCHROEDER ASPHALT SERVICES, INC.		CHICAGOLAND PAVING CONTRACTORS INC.		A LAMP CONCRETE CONTRACTORS INC.		JOHNSON PAVING		PETER BAKER & SON CO.		BUILDERS PAVING		
ITEM NO.	ITEMS	UNIT	QUANTITY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
	DRAINAGE STR REMOVED	EACH	13	\$158.00	\$ 2,054.00	\$ 375.00	\$ 4,875.00	\$ 360.00	\$ 4,680.00	\$ 500.00	\$ 6,500.00	\$ 350.00	\$ 4,550.00	\$ 350.00	\$ 4,550.00	\$ 350.00	\$ 4,550.00
	DRAINAGE STR RECONST	EACH	7	\$1,250.00	\$ 8,750.00	\$ 2,650.00	\$ 18,550.00	\$ 2,575.00	\$ 18,025.00	\$ 1,200.00	\$ 8,400.00	\$ 2,500.00	\$ 17,500.00	\$ 2,500.00	\$ 17,500.00	\$ 2,500.00	\$ 17,500.00
Base Bid Totals:				\$ 676,295.55		\$ 636,171.63		\$ 647,000.00		\$ 667,059.23		\$ 691,700.00		\$ 723,699.08		\$ 839,356.12	
Difference between E.O.C.:				0.00%		-5.93%		-4.33%		-1.37%		2.28%		7.01%		24.11%	

ALTERNATE 1 BID			ENGINEER'S ESTIMATE OF COST		SCHROEDER ASPHALT SERVICES, INC.		CHICAGOLAND PAVING CONTRACTORS INC.		A LAMP CONCRETE CONTRACTORS INC.		JOHNSON PAVING		PETER BAKER & SON CO.		BUILDERS PAVING		
ITEM NO.	ITEMS	UNIT	QUANTITY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
	REM & DISP UNS MATL	CU YD	9	\$92.50	\$ 832.50	\$ 80.00	\$ 720.00	\$ 25.00	\$ 225.00	\$ 25.00	\$ 225.00	\$ 50.00	\$ 450.00	\$ 200.00	\$ 1,800.00	\$ 114.00	\$ 1,026.00
	TOPSOIL F & P VAR DP	CU YD	21	\$17.50	\$ 367.50	\$ 60.00	\$ 1,260.00	\$ 35.00	\$ 735.00	\$ 75.00	\$ 1,575.00	\$ 1.00	\$ 21.00	\$ 50.00	\$ 1,050.00	\$ 50.00	\$ 1,050.00
	SEEDING, SPECIAL	SQ YD	83	\$6.25	\$ 518.75	\$ 14.00	\$ 1,162.00	\$ 10.00	\$ 830.00	\$ 10.00	\$ 830.00	\$ 3.00	\$ 249.00	\$ 10.00	\$ 830.00	\$ 10.00	\$ 830.00
	SODDING, SPECIAL	SQ YD	165	\$12.50	\$ 2,062.50	\$ 16.00	\$ 2,640.00	\$ 20.00	\$ 3,300.00	\$ 18.00	\$ 2,970.00	\$ 14.00	\$ 2,310.00	\$ 15.00	\$ 2,475.00	\$ 150.00	\$ 24,750.00
28000510	INLET FILTERS	EACH	4	\$103.00	\$ 412.00	\$ 125.00	\$ 500.00	\$ 155.00	\$ 620.00	\$ 15.00	\$ 60.00	\$ 150.00	\$ 600.00	\$ 160.00	\$ 640.00	\$ 225.00	\$ 900.00
	AGG SUBGRADE IMPROVE	CU YD	2	\$23.00	\$ 46.00	\$ 60.00	\$ 120.00	\$ 50.00	\$ 100.00	\$ 25.00	\$ 50.00	\$ 60.00	\$ 120.00	\$ 190.00	\$ 380.00	\$ 120.00	\$ 240.00
	AGG BASE CSE B	CU YD	3	\$20.50	\$ 61.50	\$ 60.00	\$ 180.00	\$ 75.00	\$ 225.00	\$ 30.00	\$ 90.00	\$ 60.00	\$ 180.00	\$ 190.00	\$ 570.00	\$ 102.00	\$ 306.00
35800100	PREPARATION OF BASE	SQ YD	9	\$1.20	\$ 10.80	\$ 40.00	\$ 360.00	\$ 25.00	\$ 225.00	\$ 2.00	\$ 18.00	\$ 1.75	\$ 15.75	\$ 20.00	\$ 180.00	\$ 3.00	\$ 27.00
40600275	BT MATLS PR CT	POUND	1,848	\$1.00	\$ 1,848.00	\$ 0.01	\$ 18.48	\$ 0.01	\$ 18.48	\$ 0.01	\$ 18.48	\$ 0.01	\$ 18.48	\$ 0.01	\$ 18.48	\$ 0.01	\$ 18.48
40600290	BIT MATLS TACK CT	POUND	740	\$0.50	\$ 370.00	\$ 0.01	\$ 7.40	\$ 0.01	\$ 7.40	\$ 0.01	\$ 7.40	\$ 0.01	\$ 7.40	\$ 0.01	\$ 7.40	\$ 0.01	\$ 7.40
40600400	MIX CR JTS FLANGEWYS	TON	2	\$300.00	\$ 600.00	\$ 250.00	\$ 500.00	\$ 500.00	\$ 1,000.00	\$ 300.00	\$ 600.00	\$ 475.00	\$ 950.00	\$ 700.00	\$ 1,400.00	\$ 500.00	\$ 1,000.00
40600825	LEV BIND MM N50 1.5	TON	69	\$82.00	\$ 5,658.00	\$ 95.00	\$ 6,555.00	\$ 100.00	\$ 6,900.00	\$ 98.00	\$ 6,762.00	\$ 135.00	\$ 9,315.00	\$ 108.00	\$ 7,452.00	\$ 136.00	\$ 9,384.00
40600985	PCC SURF REM BUTT JT	SQ YD	48	\$6.00	\$ 288.00	\$ 15.00	\$ 720.00	\$ 10.00	\$ 480.00	\$ 10.00	\$ 480.00	\$ 6.00	\$ 288.00	\$ 25.00	\$ 1,200.00	\$ 35.00	\$ 1,680.00
40603335	HMA SC "D" N50 1.5	TON	69	\$78.25	\$ 5,399.25	\$ 95.00	\$ 6,555.00	\$ 191.30	\$ 13,199.70	\$ 98.00	\$ 6,762.00	\$ 135.00	\$ 9,315.00	\$ 111.00	\$ 7,659.00	\$ 136.00	\$ 9,384.00
40800050	INCIDENTAL HMA SURF	TON	1	\$248.00	\$ 248.00	\$ 400.00	\$ 400.00	\$ 100.00	\$ 100.00	\$ 120.00	\$ 120.00	\$ 475.00	\$ 475.00	\$ 400.00	\$ 400.00	\$ 250.00	\$ 250.00
42400200	PC CONC SIDEWALK 5	SQ FT	308	\$6.25	\$ 1,925.00	\$ 6.30	\$ 1,940.40	\$ 6.10	\$ 1,878.80	\$ 6.80	\$ 2,094.40	\$ 7.00	\$ 2,156.00	\$ 5.90	\$ 1,817.20	\$ 9.75	\$ 3,003.00
42400300	PC CONC SIDEWALK 6	SQ FT	31	\$6.25	\$ 193.75	\$ 7.95	\$ 246.45	\$ 7.75	\$ 240.25	\$ 7.50	\$ 232.50	\$ 9.00	\$ 279.00	\$ 7.50	\$ 232.50	\$ 10.50	\$ 325.50
	DETECTABLE WARNINGS	SQ FT	80	\$36.00	\$ 2,880.00	\$ 37.25	\$ 2,980.00	\$ 36.10	\$ 2,888.00	\$ 25.00	\$ 2,000.00	\$ 35.00	\$ 2,800.00	\$ 35.00	\$ 2,800.00	\$ 46.00	\$ 3,680.00
	HMA SURF REM 2.75	SQ YD	822	\$4.00	\$ 3,288.00	\$ 4.00	\$ 3,288.00	\$ 3.00	\$ 2,466.00	\$ 6.20	\$ 5,096.40	\$ 1.00	\$ 822.00	\$ 2.00	\$ 1,644.00	\$ 7.25	\$ 5,959.50
	COMB CC&G REM & REPL	FOOT	616	\$23.25	\$ 14,322.00	\$ 27.50	\$ 16,940.00	\$ 26.80	\$ 16,508.80	\$ 28.75	\$ 17,710.00	\$ 30.00	\$ 18,480.00	\$ 26.00	\$ 16,016.00	\$ 39.00	\$ 24,024.00
44000600	SIDEWALK REM	SQ FT	339	\$3.00	\$ 1,017.00	\$ 1.60	\$ 542.40	\$ 1.25	\$ 423.75	\$ 1.25	\$ 423.75	\$ 2.00	\$ 678.00	\$ 1.30	\$ 440.70	\$ 1.50	\$ 508.50
44200934	CL B PATCH T2 8	SQ YD	14	\$99.00	\$ 1,386.00	\$ 99.00	\$ 1,386.00	\$ 97.00	\$ 1,358.00	\$ 100.00	\$ 1,400.00	\$ 94.00	\$ 1,316.00	\$ 94.00	\$ 1,316.00	\$ 275.00	\$ 3,850.00
44200942	CL B PATCH T3 8	SQ YD	14	\$99.00	\$ 1,386.00	\$ 93.00	\$ 1,302.00	\$ 91.00	\$ 1,274.00	\$ 92.00	\$ 1,288.00	\$ 88.00	\$ 1,232.00	\$ 88.00	\$ 1,232.00	\$ 225.00	\$ 3,150.00
44200944	CL B PATCH T4 8	SQ YD	14	\$99.00	\$ 1,386.00	\$ 85.00	\$ 1,190.00	\$ 83.00	\$ 1,162.00	\$ 88.00	\$ 1,232.00	\$ 80.00	\$ 1,120.00	\$ 80.00	\$ 1,120.00	\$ 225.00	\$ 3,150.00
44300100	AREA REF CR CON TREAT	SQ YD	822	\$5.00	\$ 4,110.00	\$ 5.80	\$ 4,767.60	\$ 4.00	\$ 3,288.00	\$ 6.00	\$ 4,932.00	\$ 4.00	\$ 3,288.00	\$ 5.25	\$ 4,315.50	\$ 6.00	\$ 4,932.00
	COMB CC&G TM MOD	FOOT	5	\$25.00	\$ 125.00	\$ 28.00	\$ 140.00	\$ 26.80	\$ 134.00	\$ 27.00	\$ 135.00	\$ 30.00	\$ 150.00	\$ 26.00	\$ 130.00	\$ 85.00	\$ 425.00
	PCC SURF REM VAR DP	SQ YD	822	\$8.00	\$ 6,576.00	\$ 4.00	\$ 3,288.00	\$ 5.00	\$ 4,110.00	\$ 5.00	\$ 4,110.00	\$ 7.75	\$ 6,370.50	\$ 8.00	\$ 6,576.00	\$ 10.25	\$ 8,425.50
	BRICK PAVER REM & REP	SQ FT	50	\$14.25	\$ 712.50	\$ 25.00	\$ 1,250.00	\$ 25.00	\$ 1,250.00	\$ 20.00	\$ 1,000.00	\$ 15.00	\$ 750.00	\$ 20.00	\$ 1,000.00	\$ 20.00	\$ 1,000.00
	PCC DRIVE REM & REPL	SQ YD	30	\$60.50	\$ 1,815.00	\$ 66.00	\$ 1,980.00	\$ 64.40	\$ 1,932.00	\$ 75.00	\$ 2,250.00	\$ 62.50	\$ 1,875.00	\$ 62.50	\$ 1,875.00	\$ 127.00	\$ 3,810.00
	BRICK DRWY REM & REPL	SQ YD	60	\$120.50	\$ 7,230.00	\$ 25.00	\$ 1,500.00	\$ 165.00	\$ 9,900.00	\$ 130.00	\$ 7,800.00	\$ 135.00	\$ 8,100.00	\$ 150.00	\$ 9,000.00	\$ 100.00	\$ 6,000.00
	HMA DRIVE REM & REP	SQ YD	30	\$41.50	\$ 1,245.00	\$ 48.00	\$ 1,440.00	\$ 40.00	\$ 1,200.00	\$ 50.00	\$ 1,500.00	\$ 45.00	\$ 1,350.00	\$ 49.00	\$ 1,470.00	\$ 110.00	\$ 3,300.00
	SPRINKLER SYSTEM HEAD	EACH	10	\$61.50	\$ 615.00	\$ 40.00	\$ 400.00	\$ 75.00	\$ 750.00	\$ 50.00	\$ 500.00	\$ 20.00	\$ 200.00	\$ 100.00	\$ 1,000.00	\$ 100.00	\$ 1,000.00
	SPRINKLET SYSTEM LINE	FOOT	140	\$20.50	\$ 2,870.00	\$ 7.50	\$ 1,050.00	\$ 2.50	\$ 350.00	\$ 15.00	\$ 2,100.00	\$ 25.00	\$ 3,500.00	\$ 10.00	\$ 1,400.00	\$ 10.00	\$ 1,400.00
	SAW CUTTING (FD)	FOOT	616	\$5.00	\$ 3,080.00	\$ 3.50	\$ 2,156.00	\$ 1.50	\$ 924.00	\$ 2.00	\$ 1,232.00	\$ 3.00	\$ 1,848.00	\$ 1.10	\$ 677.60	\$ 3.00	\$ 1,848.00
Alternate 1 Bid Totals:				\$ 74,885.05		\$ 69,484.73		\$ 80,003.18		\$ 77,603.93		\$ 80,124.38		\$ 80,124.38		\$ 130,643.88	
Difference between E.O.C.:				0.00%		-7.21%		6.83%		3.63%		7.67%		7.00%		74.46%	

Road Program	2019	\$2,617,400	Dedicated/MFT
Streets, Sidewalks, and Alleys	2020	\$1,895,900	
	2021	\$2,435,200	
	2022	\$2,208,800	
	2023	\$2,258,600	
X	Critical		
-	Recommended		
-	Contingent on Funding		

Original Purchase Date & Cost

N/A

Funding History

2018	\$1,460,993
2017	\$2,096,276
2016	\$1,210,511
2015	\$1,164,000
2014	\$ 848,000
2013	\$1,370,000
2012	\$1,002,000
2011	\$1,586,000

With the passage of the .75% increase in Home Rule Sales Tax in 2014, a portion of the proceeds was dedicated for street, sidewalk, and alley programs. Approximately \$1.5 million annually was made available in 2015 between dedicated revenues and the Motor Fuel Tax fund.

As part of the FY 2017 Budget, the Village Board committed to an annual \$2 million road program and increased the property tax rate by 0.90% as well as the local gasoline tax by \$0.03 for street improvements. For FY 2017, \$125,000 in General Fund reserves were used to fund the road program at \$2 million, thus the Village must identify an additional \$125,000 in recurring funding for 2018 and beyond. The Village’s commitment to steadily improving the condition of roads in a fiscally responsible manner includes additional funding beginning in 2023 and 2024 via retired debt service.

Project Description & Justification

This program is to rehabilitate streets throughout the Village.

Many of the Village’s roads were built in the post-World War II development boom. The accelerated street-resurfacing program (1998 through 2008) allowed the Village to rehabilitate more streets each year and ultimately improve the average pavement condition to a “good,” “very good” or “excellent” condition. Over the past years, streets that were candidates for construction, were selected from a pavement evaluation program developed by an outside consultant. Beginning in 2013 as part of a cost saving initiative, the Engineering Department prioritized street rehabilitation needs using recently purchased PAVER pavement evaluation software. The widely used program is

managed in-house by existing engineering staff utilizing the assistance of engineering interns during the summer months.

At the end of the accelerated program in 2008, the Engineering Department recommended reducing the annual funding allocation from \$3.1 million to \$2 million. This funding level was intended to keep the average street condition in the “good or better” category. Below is a table displaying surface conditions, corresponding pavement ranking and estimated life:

Surface Condition	Pavement Rating	Relative Remaining Life
Excellent	100 – 85	12 – 15 years
Very Good	84 – 80	10 – 12 years
Good	79 – 70	8 – 10 years
Fair	69 – 60	6 – 8 years
Poor	59 – 40	3 – 6 years
Very Poor	39-0	< 3 years

Since the completion of the accelerated road program, the annual expenditure has averaged \$879,000, approximately \$1,121,000 below the Department recommendation. The Pavement Condition Index (PCI) has dropped from 77 to 69 since 2008. Underfunding the road program has resulted in a need to increase the annual expenditure to maintain a 70 or better pavement condition.

Brick Streets Overlaid in Asphalt

In 2002, the Village adopted a policy on brick streets that have been overlaid with asphalt. The requirements include:

- The street must contain original clay fired bricks.
- Segment must be included in an annual rehabilitation program.
- More than 65% of the residents must be in favor of the brick street surface.
- A minimum of a contiguous three block segment must endorse the brick surface.
- The renovation plan be completed in shorter segments so the road program budget is not dominated by the rehabilitation of the brick street.

The scope of work includes removing the existing asphalt surface and reconstructing the street in brick. It is recommended that these streets be reconstructed one block at a time. This policy was endorsed by the Municipal Services Committee in 2012, 2015 and 2016.

Forest Avenue from 5th Street to 6th Street was reconstructed in brick in 2017. The 2018 project includes Forest Avenue from 6th Street to 7th Street. In 2019, Prairie Avenue from Wilmette Avenue to Central Avenue will be reconstructed in brick.

The tentative road program schedule is shown in the table below. Note that the schedule is fluid and expected to change as street condition ratings are updated annually. In addition, the annual road program funding will be used to fulfill the local share of the Village’s federal grant projects.

2019						
Name	From	To	Surface	Length (ft)	Notes	Cost Estimate ¹
Lake/Skokie Phase I	Intersection	Intersection	NA	NA	Grant	\$60,000
Central Phase II /ITEP	Green Bay Rd	Sheridan Rd	APC		Grant	\$182,920
Locust Rd Phase III Construction	Lake Ave	Wilmette Ave	AC	2,600	Grant	\$1,598,260
Valley View Ct	Valley View	Cul-de-sac	AC	220		\$30,346
Valley View Dr	Hartzell St	Glenview Rd	AC	777		\$112,051
Laurel Ave	Sheridan Rd	West End	AC	689		\$103,681
5th St	Gregory Ave	Maple Ave	AC	436		\$54,674
5th St	Maple Ave	Greenleaf Ave	AC	1,371		\$223,500
Wilmette Ave	Ridge Rd	Green Bay Rd	AC	NA	Area Rehab & Patching	\$87,874
Green Bay Road	Isabella St	Lake Ave	AC	NA	Area Rehab & Patching	\$87,874
Total Village Expenditure						\$2,541,180
Adjusted for inflation						\$2,617,400
2020						
Central Ave Phase III/ITEP Construction	Green Bay Rd	Sheridan Rd	APC	5,478	Grant	\$1,788,530
Total Village Expenditure						\$1,788,530
Adjusted for inflation						\$1,895,900
2021						
Lake/Skokie Phase III Construction	Intersection	Intersection	NA	NA	Grant	\$320,000
Prairie Ave	Central Ave	Washington Ave	ABR2	500		\$393,250
Garrison Ave ³	S. Village Limit	North End	APC	200		\$55,176
Manor Dr	Lake Ave	Illinois Rd	AC	1,950		\$305,663
Greenleaf Ave	Hibbard Rd	La Vergne Ave	AC	1,276		\$200,013
Indian Wood Rd	Lake Ave	Hibbard Rd	AC	1,489		\$233,400
Hawthorne Ln	Locust Rd	Cul de Sac	AC	554		\$76,419
Cardinal Ln	Illinois Rd	Cul-de-sac	PCC	613		\$67,430
Hill St	Hibbard Rd	East End	AC	604		\$79,529

Washington	Sheridan Rd	Michigan Ave	AC	361		\$49,796
Hunter Rd ⁴	Elmwood Ave	Thornwood Ave	PCC	790		\$90,376
Kenilworth Ave	21st St	Ridge Rd	PCC	866		\$91,450
Greenleaf Ave	Cul de sac	Hibbard Rd	AC	417		\$65,365
Pioneer Ln	Old Glenview Rd	Cul de Sac	AC	636		\$87,729
Kilpatrick Ave	Hartzell St	Glenview Rd	AC	630		\$118,503
				10,886		
Total Village Expenditure						\$2,234,099
Adjusted for inflation						\$2,435,200
2022						
Central Ave	Hibbard Rd	Lavergne Ave	AC	1,279		\$200,484
Prairie Ave	Washington Ave	15th St	ABR2	350		\$318,643
Seminole Rd	Iroquois Rd	End	APC	250		\$31,350
Lake Ave	Wilmette Ave	260' E. of 5th St	AC	3,327		\$823,981
Elmwood Ave	Hunter Rd	Dartmouth	APC	945		\$142,204
4th St	Central Ave	Lake Ave	APC	810		\$101,574
20TH St	Central Ave	Highland Ave	PCC	308		\$32,525
Ridge Rd ⁵	Isabella St	Wilmette Ave	AC	1,249		\$281,925
Lilac Ln	Briar Ln	Millbrook Ln	AC	226		\$29,757
				7,465		
Total Village Expenditure						\$1,962,442
Adjusted for inflation						\$2,208,800
2023						
Prairie Ave ⁶	Isabella St	Catalpa Pl	ABR2	725		\$658,474
Thornwood Ave	Hunter Rd	Ridge Rd	PCC	2,428		\$256,397
Greenleaf Ave	10TH St	Poplar Dr	ABR2	1,144	resurfaced	\$258,224
Elmwood Ave	Ridge Rd	Hunter Rd	PCC	2,601		\$274,666
Old Glenview Rd	Skokie Blvd	Hibbard Rd	AC	1,407		\$247,013
Wilmette Ave	Hibbard Rd	Lawler Ave	AC	1,617		\$253,465
				9,922		
Total Village Expenditure						\$1,948,239
Adjusted for inflation						\$2,258,600

¹ Estimated costs are based on current 2018 construction pricing and include 10% allocation for engineering (soft) costs (such as pavement cores, topography, or material testing).

² ABR are constructed one block per year per policy discussion at MSC on 11-3-16 which was intended to minimize the impact of the brick replacement project within the annual road program. 28 blocks were determined eligible of which 14 are very poor, 7 are poor, 2 are fair, 4 are excellent and 1 is unrated. Since Forest from 6th to 7th is under construction in 2018, 26 blocks remain and another 13 years are needed to complete the very poor ABR streets.

³ Street improvement requires coordination with Evanston.

⁴ Neighborhood Storage Project will move resurfacing to a later year.

⁵ Water main replacement and redevelopment of 333 Ridge Road may move resurfacing to 2022.

⁶ Traffic calming eligible.

Surface Description

ABR=Asphalt over brick

APC=Asphalt over concrete

AC=Asphalt Street

PCC=Concrete Street

Project Update

Funding amounts for 2019-2023 have been updated.

Project History

In 2018, the following funds were utilized for the Road Program:

MFT:	\$700,000
Dedicated Revenues:	\$733,418
Sewer Repair	\$11,075
<u>Kenilworth IGA</u>	<u>\$16,500</u>
Total:	\$1,460,993

In 2017, the following funds were utilized for the Road Program:

MFT:	\$700,000
Dedicated Revenues:	\$954,582
Sewer Repair	\$375,620
<u>Park District</u>	<u>\$66,073</u>
Total:	\$2,096,276

In 2016, the following funds were utilized for the Road Program:

MFT:	\$883,500
<u>Dedicated Revenues:</u>	<u>\$327,011</u>
Total:	\$1,210,511

In 2015, the following funds were utilized for the Road Program:

MFT:	\$820,000
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Dedicated Revenues: \$344,000
Total: **\$1,164,000**

In 2014, the following funds were utilized for the Road Program:

MFT: \$800,000
Dedicated Revenues: \$48,000
Bond Proceeds \$0
Total **\$848,000**

In 2013, the following funds were utilized for the Road Program:

MFT: \$800,000
Dedicated Revenues: \$570,000
Bond Proceeds \$0
Total **\$1,370,000**

Project Alternative

The alternative to pavement rehabilitation is patching on an emergency basis. While patching will slow down the progression of potholes, it creates joints in the pavement that will eventually result in further deterioration. The second alternative is not to perform any roadway maintenance, which will result in total pavement failure. Once the roadway base is impacted from lack of maintenance, the road has to be reconstructed typically at three to four times the cost of resurfacing.

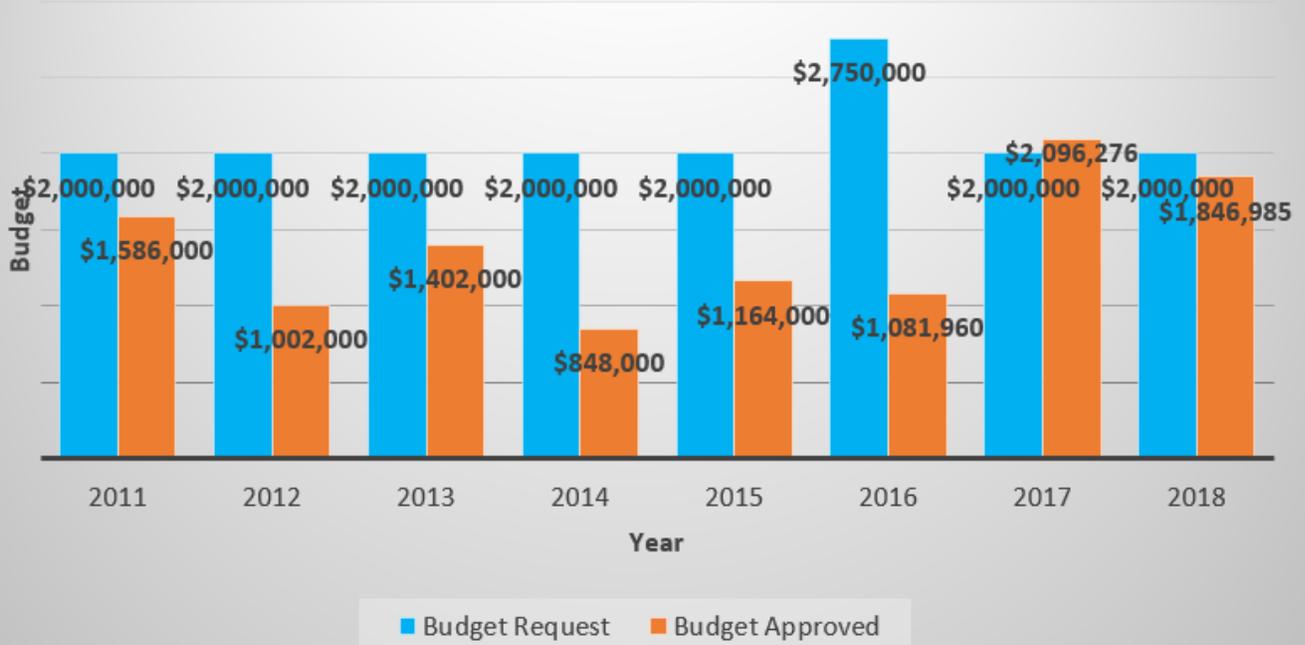
The Village Board approved a Special Service Areas (SSA) policy in 2016 which allows residents to petition for their street rehabilitation to be accelerated at a shared cost.

Operating Budget Impact

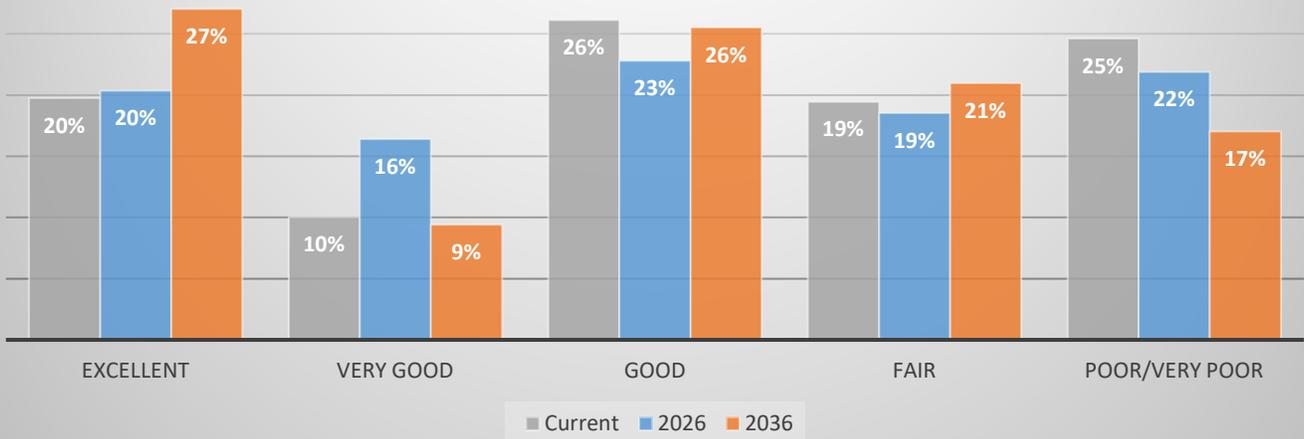
Is this purchase *routine* X or *non-routine*?

ROUTINE	
Department Budget	General Fund Capital
Account Number Description	Road Program
Account Number	11202035—80100

Budget Request vs Approved



Pavement Condition Histogram Projected Road Program Funding \$2M through 2026, \$4M through 2036



PCI Rating vs Time

