



Engineering & Public Works Department

SUBJECT: 2019 Alley & Brick Street Reconstruction Program

MEETING DATE: April 9, 2019

FROM: [Brigitte Ann 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 \$1,241,474
Over/(Under) Budget..... (\$91,426)

Recommended Motion

Move to approve a contract in the amount not-to-exceed \$1,241,474 with Dinatale Construction, Inc., Addison, IL, for the 2019 Alley & Brick Reconstruction Program.

Background

Alley Reconstruction Program

The Alley Reconstruction Program reconstructs alleys on a “worst-first” basis. The candidates for the program are chosen based on pavement and drainage evaluations conducted by the Engineering Division.

The scope of work for the Alley Reconstruction Program consists of removing the existing pavement and base and reconstructing the alley with a new gravel base and eight inches of concrete pavement. The project also includes sewer repairs/installation, driveway apron replacements, spot curb and gutter and sidewalk repairs and restoration.

The following alleys were included in the bid:

<u>Alley Number</u>	<u>Entrances</u>	<u>Between</u>
307	9th St / 8th St	Linden Ave / Oakwood Ave
414	13th St / Park Ave	Maple Ave / Gregory Ave
421	Park Ave / Alley	Prairie Ave / Isabella St
535. ¹	Alley / Wilmette Ave	Park Ave / Green Bay Rd
512 ²	20th St / Alley	Schiller Ave / Birchwood Ave
619 ³	17th St / 16th St	Forest Ave / Lake Ave

¹Alley to be patched with hot-mix asphalt, ²Alternate Bid 1 (recommended), ³Alternate Bid 2 (recommended).

Brick Reconstruction Program

The Brick Reconstruction Program consists of removing and re-laying the existing brick surface for an entire block of a brick street. Work also includes replacement of deteriorated concrete curb and sidewalk, minor sewer repairs and regrading the road base under the bricks. Wood Court from Prairie Avenue to Oakwood Avenue is scheduled for brick reconstruction this year. This block is rated in very poor condition with wide brick jointing, excessive brick settlement, and poor drainage.

In addition, the bid also includes work associated with the Utility Patching Program (Alternate 3). Utility patching consists of repairing asphalt, concrete, and brick street areas that have been temporarily patched by the Engineering and Public Works Department after repairing sewer lines or water main breaks.

Discussion

The 2019 Alley & Brick Reconstruction Program was advertised for bid on the Village website on March 15, 2019. The project was designed by staff in the Engineering Division. The project had six qualified bidders. Bids were opened on March 29, 2019, and are summarized below.

Company	Base Bid	Alternate 1	Alternate 2	Alternate 3	Base+1+2+3
Dinatale Construction	\$887,547.85	\$143,756.50	\$119,793.85	\$90,375.00	\$1,241,473.20
A Lamp Concrete	\$1,045,364.20	\$136,219.50	\$129,547.10	\$127,050.00	\$1,438,090.80
Schroeder&Schroeder	\$1,066,995.26	\$142,228.00	\$140,698.56	\$107,200.00	\$1,457,121.82
Triggi Construction	\$1,120,829.90	\$143,808.75	\$138,068.35	\$147,250.00	\$1,549,957.00
Landmark Contractors	\$1,077,531.73	\$189,228.11	\$167,053.74	\$125,852.50	\$1,559,666.08
Alliance Contractors	\$1,294,651.00	\$202,133.05	\$213,136.70	\$146,625.00	\$1,856,545.75
Engineer's Estimate	\$1,086,501.52	\$149,564.50	\$139,150.52	\$103,540.00	\$1,478,756.53

Staff recommends awarding the Base Bid combined with Alternate Bid 1, Alternate Bid 2, and Alternate Bid 3, which includes repairing two additional alleys with very poor pavement conditions (Alternate bids 1 and 2) and maximizing the budget for pavement patching (Alternate 3). As a result of the competitive bids, the project will be under budget even if the awarded contract includes the base bid and all of the alternates.

Dinatale Construction, Inc. provided the lowest qualified bid of \$1,241,474. They have not worked in Wilmette in recent years. Village staff contacted the City of Des Plaines and the Villages of Hinsdale and Oak Park where Dinatale Construction completed work in 2018. Each municipality was satisfied with the quality of work. For these reasons, the Engineering and Public Works Department recommends awarding the 2019 Alley & Brick Reconstruction Program to Dinatale Construction, Inc.

Phase 1 construction (Alley Reconstruction) is scheduled to begin in mid-May and be completed by mid-July 2019. Phase 2 construction (Brick Street Reconstruction) is scheduled to begin mid-July and be completed mid-September 2019. Phase 3 construction (Patching) is scheduled to be completed in two visits, once in the spring and again in the fall 2019.

Budget Impact

The 2019 Alley & Brick Reconstruction Program will be paid for as follows:

Account Name	Account Number	Budget Amount	Contract Amount	Acct. Balance
Alley Program	11202035-425200	\$552,100	\$745,825	¹ (\$193,725)
Brick Street Renovation	11202035-425235	\$627,200	\$405,274	¹ \$221,926
Utility Street Patching - Sewer	40807090-421000	\$70,450	\$39,652	² \$30,798
Utility Street Patching - Water	41838090-421000	\$83,150	\$50,723	² \$32,427
Total Amount		\$1,332,900	\$1,241,474	

¹The remaining budget in Brick Street Renovation account will cover the over budget amount in the Alley Program and a proposed brick purchase to replenish the Village stockpile.

²The remaining budget in the sewer and water utility patching accounts will cover concrete sidewalk, curb, and driveway patching as part of the Sidewalk and Curb Replacement Program.

The favorable brick street reconstruction pricing can be attributed to the economy of scale provided by the length of Wood Court and to contracting efficiencies realized by packaging the similar Alley and Brick program bids together (the projects were previously bid as stand alone items).

Documents Attached

1. Bid Tabulation
2. CIP Project Sheet

VILLAGE OF WILMETTE
 2019 ALLEY & BRICK RECONSTRUCTION PROGRAM (#19044)
 BID TABULATION
 DATE: APRIL 1, 2019

BASE BID	NO.	ITEM NO.	ITEMS	UNIT	QUANTITY	ENGINEER'S ESTIMATE OF COST		DINATALE CONSTRUCTION, INC.		A LAMP CONCRETE CONTRACTORS, INC.		SCHROEDER & SCHROEDER, INC.		LANDMARK CONTRACTORS, INC.		TRIGGI CONSTRUCTION, INC.		ALLIANCE CONTRACTORS, INC.	
						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
	1	20100210	TREE REMOV OVER 15	EACH	1.00	\$1,000.00	\$ 1,000.00	\$ 3,300.00	\$ 3,300.00	\$ 3,500.00	\$ 3,500.00	\$ 3,200.00	\$ 3,200.00	\$ 3,400.00	\$ 3,400.00	\$ 1,500.00	\$ 1,500.00	\$ 3,400.00	\$ 3,400.00
	2		TEMPORARY FENCE	FOOT	2,880.00	\$5.00	\$ 14,400.00	\$ 5.00	\$ 14,400.00	\$ 1.00	\$ 2,880.00	\$ 3.25	\$ 9,360.00	\$ 4.00	\$ 11,520.00	\$ 5.00	\$ 14,400.00	\$ 5.00	\$ 14,400.00
	3	20101100	TREE TRUNK PROTECTION	EACH	25.00	\$75.00	\$ 1,875.00	\$ 210.00	\$ 5,250.00	\$ 10.00	\$ 250.00	\$ 100.00	\$ 2,500.00	\$ 180.00	\$ 4,500.00	\$ 150.00	\$ 3,750.00	\$ 180.00	\$ 4,500.00
	4		TREE ROOT PRUNING	EACH	48.00	\$155.00	\$ 7,440.00	\$ 95.00	\$ 4,560.00	\$ 10.00	\$ 480.00	\$ 50.00	\$ 2,400.00	\$ 175.00	\$ 8,400.00	\$ 125.00	\$ 6,000.00	\$ 175.00	\$ 8,400.00
	5		EARTH EXCAVATION	CU YD	1,156.00	\$47.00	\$ 54,332.00	\$ 43.00	\$ 49,708.00	\$ 43.50	\$ 50,286.00	\$ 32.00	\$ 36,992.00	\$ 72.00	\$ 83,232.00	\$ 50.00	\$ 57,800.00	\$ 10.00	\$ 11,560.00
	6		POROUS GRAN BACKFILL	CU YD	92.00	\$34.00	\$ 3,128.00	\$ 40.00	\$ 3,680.00	\$ 40.00	\$ 3,680.00	\$ 32.00	\$ 2,944.00	\$ 50.35	\$ 4,632.20	\$ 50.00	\$ 4,600.00	\$ 30.00	\$ 2,760.00
	7		TRENCH BACKFILL	CU YD	310.00	\$42.00	\$ 13,020.00	\$ 58.50	\$ 18,135.00	\$ 40.00	\$ 12,400.00	\$ 39.00	\$ 12,090.00	\$ 58.15	\$ 18,026.50	\$ 46.00	\$ 12,400.00	\$ 51.00	\$ 15,810.00
	8		GEOTECH FAB FIBR STAB	SO YD	4,847.00	\$2.00	\$ 9,694.00	\$ 1.50	\$ 7,270.50	\$ 1.50	\$ 7,270.50	\$ 1.00	\$ 4,847.00	\$ 1.55	\$ 7,512.85	\$ 1.00	\$ 4,847.00	\$ 1.00	\$ 4,847.00
	9		TOPSOIL F & P VAR DP	CU YD	53.00	\$5.00	\$ 265.00	\$ 4.50	\$ 238.50	\$ 1.00	\$ 53.00	\$ 60.00	\$ 3,180.00	\$ 72.00	\$ 3,816.00	\$ 50.00	\$ 2,650.00	\$ 72.00	\$ 3,816.00
	10		SEEDING, SPECIAL	SQ YD	413.00	\$6.25	\$ 2,581.25	\$ 6.00	\$ 2,478.00	\$ 4.00	\$ 1,652.00	\$ 6.50	\$ 2,684.50	\$ 3.60	\$ 1,486.80	\$ 20.00	\$ 8,260.00	\$ 3.60	\$ 1,486.80
	11		SODDING, SPECIAL	SQ YD	1,650.00	\$12.50	\$ 20,625.00	\$ 12.00	\$ 19,800.00	\$ 13.00	\$ 21,450.00	\$ 12.50	\$ 20,625.00	\$ 16.00	\$ 26,400.00	\$ 25.00	\$ 41,250.00	\$ 16.00	\$ 26,400.00
	12	28000510	INLET FILTERS	EACH	15.00	\$128.00	\$ 1,920.00	\$ 125.00	\$ 1,875.00	\$ 10.00	\$ 150.00	\$ 120.00	\$ 1,800.00	\$ 153.00	\$ 2,295.00	\$ 150.00	\$ 2,250.00	\$ 25.00	\$ 375.00
	13		AGG SUBGRADE IMPROVE	CU YD	160.00	\$36.00	\$ 5,760.00	\$ 20.00	\$ 3,200.00	\$ 20.00	\$ 3,200.00	\$ 18.00	\$ 2,880.00	\$ 49.60	\$ 7,936.00	\$ 50.00	\$ 8,000.00	\$ 40.00	\$ 6,400.00
	14		AGG BASE CSE B	CU YD	1,093.83	\$20.50	\$ 22,423.52	\$ 45.00	\$ 49,223.52	\$ 15.00	\$ 16,407.45	\$ 22.00	\$ 24,064.26	\$ 56.60	\$ 61,910.78	\$ 55.00	\$ 60,160.65	\$ 65.00	\$ 71,098.95
	15		PCC PVT 8	SQ YD	2,453.00	\$65.00	\$ 159,445.00	\$ 55.00	\$ 134,915.00	\$ 58.50	\$ 143,500.50	\$ 75.00	\$ 183,975.00	\$ 76.65	\$ 188,022.45	\$ 55.00	\$ 134,915.00	\$ 126.00	\$ 309,078.00
	16		PCC DRIVEWAY PAVT 6	SQ YD	805.00	\$65.50	\$ 52,727.50	\$ 50.00	\$ 40,250.00	\$ 56.00	\$ 45,080.00	\$ 63.00	\$ 50,715.00	\$ 67.30	\$ 54,176.50	\$ 55.00	\$ 44,275.00	\$ 73.35	\$ 59,046.75
	17	42400200	PC CONC SIDEWALK 5	SO FT	2,832.00	\$8.75	\$ 24,780.00	\$ 5.50	\$ 15,576.00	\$ 6.00	\$ 16,992.00	\$ 6.00	\$ 16,992.00	\$ 7.20	\$ 20,390.40	\$ 6.50	\$ 18,408.00	\$ 6.75	\$ 19,116.00
	18	42400300	PC CONC SIDEWALK 6	SO FT	200.00	\$9.75	\$ 1,950.00	\$ 6.00	\$ 1,200.00	\$ 8.00	\$ 1,600.00	\$ 6.50	\$ 1,300.00	\$ 7.50	\$ 1,500.00	\$ 7.50	\$ 1,500.00	\$ 8.15	\$ 1,630.00
	19		DETECTABLE WARNINGS	SO FT	80.00	\$38.00	\$ 3,040.00	\$ 40.00	\$ 3,200.00	\$ 35.00	\$ 2,800.00	\$ 27.00	\$ 2,160.00	\$ 24.00	\$ 1,920.00	\$ 35.00	\$ 2,800.00	\$ 30.00	\$ 2,400.00
	20	44001000	PAVEMENT REM	SQ YD	2,396.00	\$18.00	\$ 43,128.00	\$ 15.00	\$ 35,940.00	\$ 11.00	\$ 26,356.00	\$ 8.50	\$ 20,366.00	\$ 11.45	\$ 27,434.20	\$ 12.50	\$ 29,950.00	\$ 25.00	\$ 59,900.00
	21		DRIVE PAVEMENT REM	SQ YD	762.00	\$18.00	\$ 13,716.00	\$ 9.00	\$ 6,858.00	\$ 10.00	\$ 7,620.00	\$ 6.00	\$ 4,572.00	\$ 18.75	\$ 14,287.50	\$ 15.00	\$ 11,430.00	\$ 25.00	\$ 19,500.00
	22		COMB CURB GUTTER REM	FOOT	2,325.00	\$8.25	\$ 19,181.25	\$ 3.00	\$ 6,975.00	\$ 4.00	\$ 9,300.00	\$ 3.00	\$ 6,975.00	\$ 9.20	\$ 21,390.00	\$ 8.50	\$ 19,762.50	\$ 15.00	\$ 34,875.00
	23	44000600	SIDEWALK REM	SO FT	3,032.00	\$2.00	\$ 6,064.00	\$ 1.00	\$ 3,032.00	\$ 2.00	\$ 6,064.00	\$ 1.00	\$ 3,032.00	\$ 1.95	\$ 5,912.40	\$ 1.75	\$ 5,306.00	\$ 3.00	\$ 6,064.00
	24		CL B PATCH T1 8	SO YD	10.00	\$99.00	\$ 990.00	\$ 98.00	\$ 980.00	\$ 125.00	\$ 1,250.00	\$ 250.00	\$ 2,500.00	\$ 260.00	\$ 2,600.00	\$ 225.00	\$ 2,250.00	\$ 275.00	\$ 2,750.00
	25		CL B PATCH T2 8	SO YD	30.00	\$99.00	\$ 2,970.00	\$ 88.00	\$ 2,640.00	\$ 110.00	\$ 3,300.00	\$ 150.00	\$ 4,500.00	\$ 163.00	\$ 4,890.00	\$ 175.00	\$ 5,250.00	\$ 205.00	\$ 6,150.00
	26		CL B PATCH T3 8	SO YD	50.00	\$99.00	\$ 4,950.00	\$ 78.00	\$ 3,900.00	\$ 100.00	\$ 5,000.00	\$ 90.00	\$ 4,500.00	\$ 142.00	\$ 7,100.00	\$ 150.00	\$ 7,500.00	\$ 205.00	\$ 10,250.00
	27		CL B PATCH T4 8	SO YD	50.00	\$99.00	\$ 4,950.00	\$ 68.00	\$ 3,400.00	\$ 95.00	\$ 4,750.00	\$ 90.00	\$ 4,500.00	\$ 133.50	\$ 6,675.00	\$ 125.00	\$ 6,250.00	\$ 205.00	\$ 10,250.00
	28		CL D PATCH T1 2	SO YD	10.00	\$32.00	\$ 320.00	\$ 41.50	\$ 415.00	\$ 100.00	\$ 1,000.00	\$ 58.00	\$ 580.00	\$ 40.00	\$ 400.00	\$ 85.00	\$ 850.00	\$ 81.00	\$ 810.00
	29		CL D PATCH T2 2	SO YD	30.00	\$32.00	\$ 960.00	\$ 41.50	\$ 1,245.00	\$ 90.00	\$ 2,700.00	\$ 48.00	\$ 1,440.00	\$ 40.00	\$ 1,200.00	\$ 45.00	\$ 1,350.00	\$ 42.00	\$ 1,260.00
	30		CL D PATCH T3 2	SO YD	50.00	\$32.00	\$ 1,600.00	\$ 36.50	\$ 1,825.00	\$ 80.00	\$ 3,200.00	\$ 48.00	\$ 1,920.00	\$ 35.00	\$ 1,750.00	\$ 35.00	\$ 1,750.00	\$ 33.00	\$ 1,650.00
	31		CL D PATCH T4 2	SO YD	112.00	\$32.00	\$ 3,584.00	\$ 33.00	\$ 3,696.00	\$ 54.00	\$ 6,048.00	\$ 38.00	\$ 4,256.00	\$ 32.00	\$ 3,584.00	\$ 30.00	\$ 3,360.00	\$ 28.00	\$ 3,136.00
	32		CL D PATCH T4 2.5	SO YD	225.00	\$33.00	\$ 7,425.00	\$ 34.00	\$ 7,650.00	\$ 55.00	\$ 12,375.00	\$ 48.00	\$ 10,800.00	\$ 33.00	\$ 7,425.00	\$ 35.00	\$ 7,875.00	\$ 34.00	\$ 7,650.00
	33		CL D PATCH T1 4	SO YD	10.00	\$35.00	\$ 350.00	\$ 46.00	\$ 460.00	\$ 125.00	\$ 1,250.00	\$ 90.00	\$ 900.00	\$ 45.00	\$ 450.00	\$ 125.00	\$ 1,250.00	\$ 122.00	\$ 1,220.00
	34		CL D PATCH T2 4	SO YD	30.00	\$35.00	\$ 1,050.00	\$ 46.50	\$ 1,395.00	\$ 110.00	\$ 3,300.00	\$ 75.00	\$ 2,250.00	\$ 45.00	\$ 1,500.00	\$ 75.00	\$ 2,250.00	\$ 73.00	\$ 2,190.00
	35		CL D PATCH T3 4	SO YD	50.00	\$35.00	\$ 1,750.00	\$ 44.50	\$ 2,225.00	\$ 85.00	\$ 4,250.00	\$ 60.00	\$ 3,000.00	\$ 43.00	\$ 2,150.00	\$ 65.00	\$ 3,250.00	\$ 65.00	\$ 3,250.00
	36		CL D PATCH T4 4	SO YD	88.00	\$35.00	\$ 3,080.00	\$ 44.50	\$ 3,916.00	\$ 80.00	\$ 7,040.00	\$ 60.00	\$ 5,280.00	\$ 42.00	\$ 3,696.00	\$ 60.00	\$ 5,280.00	\$ 56.00	\$ 4,928.00
	37		CL D PATCH T1 6	SO YD	10.00	\$39.00	\$ 390.00	\$ 51.50	\$ 515.00	\$ 145.00	\$ 1,450.00	\$ 125.00	\$ 1,250.00	\$ 50.00	\$ 500.00	\$ 140.00	\$ 1,400.00	\$ 140.00	\$ 1,400.00
	38		CL D PATCH T2 6	SO YD	30.00	\$39.00	\$ 1,170.00	\$ 51.50	\$ 1,545.00	\$ 125.00	\$ 3,750.00	\$ 95.00	\$ 2,850.00	\$ 50.00	\$ 1,500.00	\$ 115.00	\$ 3,450.00	\$ 112.00	\$ 3,360.00
	39		CL D PATCH T3 6	SO YD	22.00	\$39.00	\$ 858.00	\$ 48.50	\$ 1,067.00	\$ 110.00	\$ 2,420.00	\$ 90.00	\$ 1,980.00	\$ 48.00	\$ 1,056.00	\$ 100.00	\$ 2,200.00	\$ 96.00	\$ 2,156.00
	40		CL D PATCH T4 6	SO YD	146.00	\$39.00	\$ 5,694.00	\$ 47.50	\$ 6,935.00	\$ 70.00	\$ 10,200.00	\$ 90.00	\$ 13,140.00	\$ 47.00	\$ 6,862.00	\$ 95.00	\$ 12,410.00	\$ 82.00	\$ 11,910.00
	41	48101202	AGGREGATE SHLDS B	CU YD	24.00	\$23.00	\$ 552.00	\$ 40.00	\$ 960.00	\$ 50.00	\$ 1,200.00	\$ 75.00	\$ 1,800.00	\$ 145.00	\$ 3,480.00	\$ 75.00	\$ 1,800.00	\$ 110.00	\$ 2,760.00
	42		STORM SEW CL B 1 8	FOOT	130.00	\$90.00	\$ 11,700.00	\$ 68.50	\$ 8,905.00	\$ 75.00	\$ 9,750.00	\$ 69.00	\$ 9,970.00	\$ 67.65	\$ 8,794.50	\$ 70.00	\$ 9,100.00	\$ 108.00	\$ 14,040.00
	43		STORM SEW CL B 1 12	FOOT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
	44		STORM SEW REM & REPL 8	FOOT	239.00	\$90.00	\$ 21,510.00	\$ 65.00	\$ 15,535.00	\$ 90.00	\$ 21,510.00	\$ 85.00	\$ 20,315.00	\$ 61.90	\$ 14,794.10	\$ 85.00	\$ 20,315.00	\$ 108.00	\$ 25,812.00
	45		CB TA 4 DIA T1F	EACH	7.00	\$3,500.00	\$ 24,500.00	\$ 3,500.00	\$ 24,500.00	\$ 3,350.00	\$ 23,450.00	\$ 3,975.00	\$ 27,825.00	\$ 3,388.00	\$ 23,702.00	\$ 4,000.00	\$ 28,000.00	\$ 4,020.00	\$ 28,140.00
	46		CB TC T1F OL	EACH	3.00	\$2,350.00	\$ 7,050.00	\$ 1,880.00	\$ 5,640.00	\$ 2,000.00	\$ 6,000.00	\$ 1,875.00	\$ 5,625.00	\$ 1,828.00	\$ 5,478.00	\$ 2,000.00	\$ 6,000.00	\$ 2,640.00	\$ 7,920.00
	47		MAN TA 4 DIA T1F	EACH	1.00	\$4,600.00	\$ 4,600.00	\$ 4,900.00	\$ 4,900.00	\$ 3,900.00	\$ 3,900.00	\$ 3,825.00	\$ 3,825.00	\$ 4,736.10	\$ 4,736.10	\$ 4,000.00	\$ 4,000.00	\$ 3,270.00	\$ 3,270.00
	48		INLETS TA T1F	EACH	3.00	\$1,500.00	\$ 4,500.00	\$ 1,875.00	\$ 5,625.00	\$ 1,650.00	\$ 4,950.00	\$ 1,575.00	\$ 4,725.00	\$ 1,820.00	\$ 5,460.00	\$ 1,750.00	\$ 5,250.00	\$ 2,640.00	\$ 7,920.00

VILLAGE OF WILMETTE
 2019 ALLEY & BRICK RECONSTRUCTION PROGRAM (#19044)
 BID TABULATION
 DATE: APRIL 1, 2019

ALTERNATE BID 1				ENGINEER'S ESTIMATE OF COST		DINATALE CONSTRUCTION, INC.		A LAMP CONCRETE CONTRACTORS, INC.		SCHROEDER & SCHROEDER, INC.		LANDMARK CONTRACTORS, INC.		TRIGGI CONSTRUCTION, INC.		ALLIANCE CONTRACTORS, INC.		
NO.	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
1	20100210	TREE REMOVE OVER 15	EACH	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2		TEMPORARY FENCE	FOOT	120.00	\$5.00	\$ 600.00	\$ 10.00	\$ 1,200.00	\$ 1.00	\$ 120.00	\$ 5.00	\$ 600.00	\$ 4.00	\$ 480.00	\$ 5.00	\$ 600.00	\$ 5.00	\$ 600.00
3	20101100	TREE TRUNK PROTECTION	EACH	1.00	\$75.00	\$ 75.00	\$ 250.00	\$ 250.00	\$ 10.00	\$ 10.00	\$ 125.00	\$ 125.00	\$ 180.00	\$ 180.00	\$ 150.00	\$ 150.00	\$ 180.00	\$ 180.00
4		TREE ROOT PRUNING	EACH	2.00	\$155.00	\$ 310.00	\$ 200.00	\$ 400.00	\$ 10.00	\$ 20.00	\$ 125.00	\$ 250.00	\$ 175.00	\$ 350.00	\$ 125.00	\$ 250.00	\$ 175.00	\$ 350.00
5		EARTH EXCAVATION	CU YD	330.00	\$47.00	\$ 15,510.00	\$ 43.00	\$ 14,190.00	\$ 45.00	\$ 14,850.00	\$ 32.00	\$ 10,560.00	\$ 95.30	\$ 31,449.00	\$ 50.00	\$ 16,500.00	\$ 10.00	\$ 3,300.00
6		POROUS GRAN BACKFILL	CU YD	11.00	\$34.00	\$ 374.00	\$ 40.00	\$ 440.00	\$ 40.00	\$ 440.00	\$ 32.00	\$ 352.00	\$ 50.40	\$ 554.40	\$ 50.00	\$ 550.00	\$ 30.00	\$ 330.00
7		TRENCH BACKFILL	CU YD	190.00	\$42.00	\$ 7,980.00	\$ 58.50	\$ 11,115.00	\$ 40.00	\$ 7,600.00	\$ 39.00	\$ 7,410.00	\$ 53.70	\$ 10,203.00	\$ 40.00	\$ 7,600.00	\$ 51.00	\$ 9,690.00
8		GEOTECH FAB FIBR STAB	CU YD	825.00	\$2.00	\$ 1,650.00	\$ 1.00	\$ 825.00	\$ 2.00	\$ 1,650.00	\$ 1.00	\$ 825.00	\$ 1.55	\$ 1,278.75	\$ 1.00	\$ 825.00	\$ 1.00	\$ 825.00
9		TOPSOIL F & P VAR DP	CU YD	6.00	\$5.00	\$ 30.00	\$ 45.00	\$ 270.00	\$ 20.00	\$ 120.00	\$ 60.00	\$ 360.00	\$ 72.00	\$ 432.00	\$ 50.00	\$ 300.00	\$ 72.00	\$ 432.00
10		SEEDING, SPECIAL	SQ YD	43.00	\$6.25	\$ 268.75	\$ 12.00	\$ 516.00	\$ 4.00	\$ 172.00	\$ 6.50	\$ 279.50	\$ 3.60	\$ 154.80	\$ 20.00	\$ 860.00	\$ 3.60	\$ 154.80
11		SODDING, SPECIAL	SQ YD	170.00	\$12.50	\$ 2,125.00	\$ 12.00	\$ 2,040.00	\$ 15.00	\$ 2,550.00	\$ 12.50	\$ 2,125.00	\$ 16.00	\$ 2,720.00	\$ 25.00	\$ 4,250.00	\$ 16.00	\$ 2,720.00
12	28000510	INLET FILTERS	EACH	1.00	\$128.00	\$ 128.00	\$ 125.00	\$ 125.00	\$ 10.00	\$ 10.00	\$ 150.00	\$ 150.00	\$ 153.00	\$ 153.00	\$ 150.00	\$ 150.00	\$ 25.00	\$ 25.00
13		AGG SUBGRADE IMPROVE	CU YD	55.00	\$36.00	\$ 1,980.00	\$ 20.00	\$ 1,100.00	\$ 20.00	\$ 1,100.00	\$ 32.00	\$ 1,760.00	\$ 49.60	\$ 2,728.00	\$ 50.00	\$ 2,750.00	\$ 40.00	\$ 2,200.00
14		AGG BASE CSE B	CU YD	109.00	\$20.50	\$ 2,234.50	\$ 45.00	\$ 4,905.00	\$ 20.00	\$ 2,180.00	\$ 32.00	\$ 3,488.00	\$ 53.00	\$ 5,777.00	\$ 70.00	\$ 7,630.00	\$ 65.00	\$ 7,085.00
15		PCC PVT 8	SQ YD	650.00	\$65.00	\$ 42,250.00	\$ 55.00	\$ 35,750.00	\$ 65.00	\$ 42,250.00	\$ 75.00	\$ 48,750.00	\$ 80.25	\$ 52,162.50	\$ 55.00	\$ 35,750.00	\$ 126.00	\$ 81,900.00
16		PCC DRIVEWAY PAVT 6	SQ YD	250.00	\$65.50	\$ 16,375.00	\$ 55.00	\$ 13,750.00	\$ 55.00	\$ 13,750.00	\$ 63.00	\$ 15,750.00	\$ 70.70	\$ 17,675.00	\$ 55.00	\$ 13,750.00	\$ 73.35	\$ 18,337.50
17	42400200	PC CONG SIDEWALK 5	SQ FT	75.00	\$8.75	\$ 656.25	\$ 6.00	\$ 450.00	\$ 6.50	\$ 487.50	\$ 6.50	\$ 487.50	\$ 7.20	\$ 540.00	\$ 6.50	\$ 487.50	\$ 6.75	\$ 506.25
18	42400300	PC CONG SIDEWALK 6	SQ FT	50.00	\$9.75	\$ 487.50	\$ 7.00	\$ 350.00	\$ 7.00	\$ 350.00	\$ 7.00	\$ 350.00	\$ 7.40	\$ 370.00	\$ 7.50	\$ 375.00	\$ 8.15	\$ 407.50
19		DETECTABLE WARNINGS	SQ FT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
20	44000100	PAVEMENT REM	SQ YD	525.00	\$18.00	\$ 9,450.00	\$ 15.00	\$ 7,875.00	\$ 12.00	\$ 6,300.00	\$ 12.00	\$ 6,300.00	\$ 11.45	\$ 6,011.25	\$ 12.50	\$ 6,562.50	\$ 25.00	\$ 13,125.00
21		DRIVE PAVEMENT REM	SQ YD	265.00	\$18.00	\$ 4,770.00	\$ 12.50	\$ 3,312.50	\$ 10.00	\$ 2,650.00	\$ 6.00	\$ 1,590.00	\$ 18.00	\$ 4,770.00	\$ 15.00	\$ 3,975.00	\$ 25.00	\$ 6,625.00
22		COMB CURB GUTTER REM	FOOT	25.00	\$8.25	\$ 206.25	\$ 3.00	\$ 75.00	\$ 5.00	\$ 125.00	\$ 3.00	\$ 75.00	\$ 27.50	\$ 687.50	\$ 8.50	\$ 212.50	\$ 15.00	\$ 375.00
23	44000600	SIDEWALK REM	SQ FT	75.00	\$2.00	\$ 150.00	\$ 1.00	\$ 75.00	\$ 3.00	\$ 225.00	\$ 1.00	\$ 75.00	\$ 2.00	\$ 150.00	\$ 1.75	\$ 131.25	\$ 3.00	\$ 225.00
24		CL B PATCH T1 8	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
25		CL B PATCH T2 8	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
26		CL B PATCH T3 8	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
27		CL B PATCH T4 8	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
28		CL D PATCH T1 2	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
29		CL D PATCH T2 2	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
30		CL D PATCH T3 2	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
31		CL D PATCH T4 2	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
32		CL D PATCH T4 2.5	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
33		CL D PATCH T1 4	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
34		CL D PATCH T2 4	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
35		CL D PATCH T3 4	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
36		CL D PATCH T4 4	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
37		CL D PATCH T1 6	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
38		CL D PATCH T2 6	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
39		CL D PATCH T3 6	SQ YD	20.00	\$39.00	\$ 780.00	\$ 90.00	\$ 1,800.00	\$ 70.00	\$ 1,400.00	\$ 100.00	\$ 2,000.00	\$ 80.00	\$ 1,600.00	\$ 115.00	\$ 2,300.00	\$ 112.00	\$ 2,240.00
40		CL D PATCH T4 6	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
41	48101202	AGGREGATE SHLDS B	CU YD	23.00	\$23.00	\$ 529.00	\$ 50.00	\$ 1,150.00	\$ 45.00	\$ 1,035.00	\$ 75.00	\$ 1,725.00	\$ 150.92	\$ 3,471.16	\$ 75.00	\$ 1,725.00	\$ 115.00	\$ 2,645.00
42		STORM SEW CL B 1 8	FOOT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
43		STORM SEW CL B 1 12	FOOT	254.00	\$100.00	\$ 25,400.00	\$ 91.00	\$ 23,114.00	\$ 75.00	\$ 19,050.00	\$ 74.00	\$ 18,796.00	\$ 98.00	\$ 24,892.00	\$ 75.00	\$ 19,050.00	\$ 115.00	\$ 29,210.00
44		STORM SEW REM & REPL 8	FOOT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
45		CB TA 4 DIA T1F	EACH	1.00	\$3,500.00	\$ 3,500.00	\$ 4,500.00	\$ 4,500.00	\$ 3,850.00	\$ 3,850.00	\$ 3,450.00	\$ 3,450.00	\$ 4,500.00	\$ 4,500.00	\$ 4,000.00	\$ 4,000.00	\$ 4,020.00	\$ 4,020.00
46		CB TC T1F OL	EACH	1.00	\$2,350.00	\$ 2,350.00	\$ 1,775.00	\$ 1,775.00	\$ 2,000.00	\$ 2,000.00	\$ 1,875.00	\$ 1,875.00	\$ 1,800.00	\$ 1,800.00	\$ 2,000.00	\$ 2,000.00	\$ 2,640.00	\$ 2,640.00
47		MAN TA 4 DIA T1F	EACH	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
48		INLETS TA T1F	EACH	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
49		FR & LIDS T1 OL	EACH	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
50		FR & LIDS T1 CL	EACH	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
51	60108106	PIPE UNDERDRAINS T1 6	FOOT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
52		CONC CURB TB	FOOT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
53		COMB CC&G TB6.12	FOOT	100.00	\$25.75	\$ 2,575.00	\$ 30.00	\$ 3,000.00	\$ 38.00	\$ 3,800.00	\$ 35.00	\$ 3,500.00	\$ 38.00	\$ 3,800.00	\$ 28.50	\$ 2,850.00	\$ 30.00	\$ 3,000.00
54		COMB CC&G TB6.18	FOOT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
55		MOBILIZATION	L SUM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
56		TRAFFIC CONT & PROT	L SUM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
57		CLEARING AND GRUBBING	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
58		SEWER CONNECTION	EACH	1.00	\$1,000.00	\$ 1,000.00	\$ 2,150.00	\$ 2,150.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 2,100.00	\$ 2,100.00	\$ 550.00	\$ 550.00	\$ 1,475.00	\$ 1,475.00
59		SEWER SERVICE R&R	EACH	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
60		BRICK PAVT REMOVAL	SQ FT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
61		BRICK PAVT INSTALL	SQ FT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
62		BRICK PAVR REM & REP	SQ FT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
63		STRUCTURE ADJ	EACH	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
64		BYPASS PUMPING, SPECIAL	L SUM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
65		BRICK DRWY REM & REPL	SQ YD	25.00	\$120.50	\$ 3,012.50	\$ 180.00	\$ 4,500.00	\$ 125.00	\$ 3,125.00	\$ 144.00	\$ 3,600.00	\$ 170.00	\$ 4,250.00	\$ 150.00	\$ 3,750.00	\$ 170.00	\$ 4,250.00
66		HMA DRIVEWAY PAVT 3	SQ YD	15.00	\$52.45	\$ 786.75	\$ 155.00	\$ 2,325.00	\$ 50.00	\$ 750.00	\$ 58.00	\$ 870.00	\$ 175.00	\$ 2,625.00	\$ 75.00	\$ 1,125.00	\$ 85.00	\$ 1,275.00
67		COMB SEW REM & REPL 10																

VILLAGE OF WILMETTE
 2019 ALLEY & BRICK RECONSTRUCTION PROGRAM (#19044)
 BID TABULATION
 DATE: APRIL 1, 2019

ALTERNATE BID 2				ENGINEER'S ESTIMATE OF COST		DINATALE CONSTRUCTION, INC.		A LAMP CONCRETE CONTRACTORS, INC.		SCHROEDER & SCHROEDER, INC.		LANDMARK CONTRACTORS, INC.		TRIGGI CONSTRUCTION, INC.		ALLIANCE CONTRACTORS, INC.		
NO.	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
1	20100210	TREE REMOVE OVER 15	EACH	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2		TEMPORARY FENCE	FOOT	240.00	\$5.00	\$ 1,200.00	\$ 5.00	\$ 1,200.00	\$ 1.00	\$ 240.00	\$ 5.00	\$ 1,200.00	\$ 4.00	\$ 960.00	\$ 5.00	\$ 1,200.00	\$ 5.00	\$ 1,200.00
3	20101100	TREE TRUNK PROTECTION	EACH	2.00	\$75.00	\$ 150.00	\$ 150.00	\$ 250.00	\$ 10.00	\$ 20.00	\$ 125.00	\$ 250.00	\$ 180.00	\$ 360.00	\$ 150.00	\$ 300.00	\$ 180.00	\$ 360.00
4		TREE ROOT PRUNING	EACH	4.00	\$155.00	\$ 620.00	\$ 175.00	\$ 700.00	\$ 10.00	\$ 40.00	\$ 125.00	\$ 500.00	\$ 175.00	\$ 700.00	\$ 125.00	\$ 500.00	\$ 175.00	\$ 700.00
5		EARTH EXCAVATION	CU YD	165.00	\$47.00	\$ 7,755.00	\$ 43.00	\$ 7,095.00	\$ 45.00	\$ 7,425.00	\$ 32.00	\$ 5,280.00	\$ 86.00	\$ 14,190.00	\$ 50.00	\$ 8,250.00	\$ 10.00	\$ 1,650.00
6		POROUS GRAN BACKFILL	CU YD	16.00	\$34.00	\$ 544.00	\$ 40.00	\$ 640.00	\$ 40.00	\$ 640.00	\$ 32.00	\$ 512.00	\$ 57.00	\$ 912.00	\$ 50.00	\$ 800.00	\$ 30.00	\$ 480.00
7		TRENCH BACKFILL	CU YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8		GEOTECH FAB FIBR STAB	SQ YD	996.00	\$2.00	\$ 1,992.00	\$ 1.00	\$ 996.00	\$ 2.00	\$ 1,992.00	\$ 1.00	\$ 996.00	\$ 1.55	\$ 1,543.80	\$ 1.00	\$ 996.00	\$ 1.00	\$ 996.00
9		TOPSOIL F & P VAR DP	CU YD	8.00	\$5.00	\$ 40.00	\$ 45.00	\$ 360.00	\$ 20.00	\$ 180.00	\$ 60.00	\$ 480.00	\$ 72.00	\$ 576.00	\$ 50.00	\$ 400.00	\$ 72.00	\$ 576.00
10		SEEDING, SPECIAL	SQ YD	83.00	\$6.25	\$ 518.75	\$ 12.00	\$ 996.00	\$ 4.00	\$ 332.00	\$ 6.50	\$ 540.25	\$ 3.60	\$ 298.80	\$ 20.00	\$ 1,260.00	\$ 3.60	\$ 298.80
11		SODDING, SPECIAL	SQ YD	252.00	\$12.50	\$ 3,150.00	\$ 12.00	\$ 3,024.00	\$ 15.00	\$ 3,780.00	\$ 12.50	\$ 3,150.00	\$ 16.00	\$ 4,032.00	\$ 25.00	\$ 6,300.00	\$ 16.00	\$ 4,032.00
12	28000510	INLET FILTERS	EACH	2.00	\$128.00	\$ 256.00	\$ 125.00	\$ 250.00	\$ 10.00	\$ 20.00	\$ 150.00	\$ 300.00	\$ 153.00	\$ 306.00	\$ 150.00	\$ 300.00	\$ 25.00	\$ 50.00
13		AGG SUBGRADE IMPROVE	CU YD	40.00	\$36.00	\$ 1,440.00	\$ 25.00	\$ 1,000.00	\$ 20.00	\$ 800.00	\$ 32.00	\$ 1,280.00	\$ 53.60	\$ 2,144.00	\$ 50.00	\$ 2,000.00	\$ 40.00	\$ 1,600.00
14		AGG BASE CSE B	CU YD	150.83	\$20.50	\$ 3,092.02	\$ 45.00	\$ 6,787.35	\$ 20.00	\$ 3,016.60	\$ 32.00	\$ 4,826.56	\$ 53.60	\$ 8,084.49	\$ 70.00	\$ 10,558.10	\$ 65.00	\$ 9,803.95
15		PCC PVT 8	SQ YD	905.00	\$65.00	\$ 58,825.00	\$ 55.00	\$ 49,775.00	\$ 65.00	\$ 58,825.00	\$ 75.00	\$ 67,875.00	\$ 77.75	\$ 70,363.75	\$ 55.00	\$ 49,775.00	\$ 126.00	\$ 114,030.00
16		PCC DRIVEWAY PAVT 6	SQ YD	332.00	\$65.00	\$ 21,746.00	\$ 55.00	\$ 18,260.00	\$ 58.00	\$ 19,256.00	\$ 63.00	\$ 20,916.00	\$ 72.50	\$ 24,070.00	\$ 55.00	\$ 18,260.00	\$ 73.35	\$ 24,352.20
17	42400200	PC CONG SIDEWALK 5	SQ FT	225.00	\$8.75	\$ 1,968.75	\$ 6.00	\$ 1,350.00	\$ 6.50	\$ 1,462.50	\$ 6.50	\$ 1,462.50	\$ 9.25	\$ 2,081.25	\$ 6.50	\$ 1,462.50	\$ 6.75	\$ 1,518.75
18	42400300	PC CONG SIDEWALK 6	SQ FT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
19		DETECTABLE WARNINGS	SQ FT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
20	44000100	PAVEMENT REM	SQ YD	933.00	\$18.00	\$ 16,794.00	\$ 15.00	\$ 13,995.00	\$ 12.00	\$ 11,196.00	\$ 12.00	\$ 11,196.00	\$ 11.55	\$ 10,776.15	\$ 12.50	\$ 11,662.50	\$ 25.00	\$ 23,325.00
21		DRIVE PAVEMENT REM	SQ YD	307.00	\$18.00	\$ 5,526.00	\$ 12.50	\$ 3,837.50	\$ 11.00	\$ 3,377.00	\$ 6.00	\$ 1,842.00	\$ 18.00	\$ 5,526.00	\$ 15.00	\$ 4,605.00	\$ 25.00	\$ 7,675.00
22		COMB CURB GUTTER REM	FOOT	166.00	\$8.25	\$ 1,369.50	\$ 3.00	\$ 498.00	\$ 5.00	\$ 830.00	\$ 3.00	\$ 498.00	\$ 15.00	\$ 2,490.00	\$ 8.50	\$ 1,411.00	\$ 15.00	\$ 2,490.00
23	44000600	SIDEWALK REM	SQ FT	235.00	\$2.00	\$ 470.00	\$ 1.00	\$ 235.00	\$ 2.00	\$ 470.00	\$ 1.00	\$ 235.00	\$ 2.85	\$ 669.75	\$ 1.75	\$ 411.25	\$ 3.00	\$ 705.00
24		CL B PATCH T1 8	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
25		CL B PATCH T2 8	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
26		CL B PATCH T3 8	SQ YD	20.00	\$99.00	\$ 1,980.00	\$ 80.00	\$ 1,600.00	\$ 135.00	\$ 2,700.00	\$ 90.00	\$ 1,800.00	\$ 256.00	\$ 5,120.00	\$ 150.00	\$ 3,000.00	\$ 205.00	\$ 4,100.00
27		CL B PATCH T4 8	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
28		CL D PATCH T1 2	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
29		CL D PATCH T2 2	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
30		CL D PATCH T3 2	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
31		CL D PATCH T4 2	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
32		CL D PATCH T4 2.5	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
33		CL D PATCH T1 4	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
34		CL D PATCH T2 4	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
35		CL D PATCH T3 4	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
36		CL D PATCH T4 4	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
37		CL D PATCH T1 6	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
38		CL D PATCH T2 6	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
39		CL D PATCH T3 6	SQ YD	15.00	\$39.00	\$ 585.00	\$ 100.00	\$ 1,500.00	\$ 125.00	\$ 1,875.00	\$ 90.00	\$ 1,350.00	\$ 90.00	\$ 1,350.00	\$ 140.00	\$ 2,100.00	\$ 139.00	\$ 2,085.00
40		CL D PATCH T4 6	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
41	48101202	AGGREGATE SHLDS B	CU YD	8.00	\$23.00	\$ 184.00	\$ 60.00	\$ 480.00	\$ 40.00	\$ 320.00	\$ 65.00	\$ 520.00	\$ 160.00	\$ 1,280.00	\$ 75.00	\$ 600.00	\$ 115.00	\$ 920.00
42		STORM SEW CL B 1 8	FOOT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
43		STORM SEW CL B 1 12	FOOT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
44		STORM SEW REM & REPL 8	FOOT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
45		CB TA 4 DIA T1F	EACH	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
46		CB TC T1F OL	EACH	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
47		MAN TA 4 DIA T1F	EACH	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
48		INLETS TA T1F	EACH	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
49		FR & LIDS T1 OL	EACH	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
50		FR & LIDS T1 CL	EACH	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
51	60108106	PIPE UNDERDRAINS T1 6	FOOT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
52		CONC CURB TB	FOOT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
53		COMB CC&G TB6.12	FOOT	166.00	\$25.75	\$ 4,274.50	\$ 25.00	\$ 4,150.00	\$ 25.00	\$ 4,150.00	\$ 35.00	\$ 5,810.00	\$ 37.00	\$ 6,142.00	\$ 28.50	\$ 4,731.00	\$ 30.00	\$ 4,980.00
54		COMB CC&G TB6.18	FOOT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
55		MOBILIZATION	L SUM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
56		TRAFFIC CONT & PROT	L SUM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
57		CLEARING AND GRUBBING	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
58		SEWER CONNECTION	EACH	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
59		SEWER SERVICE R&R	EACH	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
60		BRICK PAVT REMOVAL	SQ FT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
61		BRICK PAVT INSTALL	SQ FT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
62		BRICK PAVR REM & REP	SQ FT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
63		STRUCTURE ADJ	EACH	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
64		BYPASS PUMPING, SPECIAL	L SUM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
65		BRICK DRWY REM & REPL	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
66		HMA DRIVEWAY PAVT 3	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
67		COMB SEW REM & REPL 10	FOOT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
68		WOOD FENCE REM & REPL	FOOT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
69		LANDSCAPE REST ALLOW	UNIT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
70		SPRINKLER SYSTEM HEAD	EACH	10.00	\$61.50	\$ 615.00	\$ 1.00	\$ 10.00	\$ 250.00	\$ 2,500.00	\$ 250.00	\$ 2,500.00	\$ 80.00	\$ 800.00	\$ 150.00	\$ 1,500.00	\$ 165.00	\$ 1,650.00
71		SPRINKLER SYSTEM LINE	FOOT	140.00	\$20.50	\$ 2,870.00	\$ 1.00	\$ 140.00	\$ 20.00	\$ 2,800.00	\$ 30.00	\$ 4,200.00	\$ 10.00	\$ 1,400.00	\$ 35			

VILLAGE OF WILMETTE
 2019 ALLEY & BRICK RECONSTRUCTION PROGRAM (#19044)
 BID TABULATION
 DATE: APRIL 1, 2019

ALTERNATE BID 3				ENGINEER'S ESTIMATE OF COST		DINATALE CONSTRUCTION, INC.		A LAMP CONCRETE CONTRACTORS, INC.		SCHROEDER & SCHROEDER, INC.		LANDMARK CONTRACTORS, INC.		TRIGGI CONSTRUCTION, INC.		ALLIANCE CONTRACTORS, INC.		
NO.	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
1	20100210	TREE REMOVE OVER 15	EACH	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2		TEMPORARY FENCE	FOOT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3	20101100	TREE TRUNK PROTECTION	EACH	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4		TREE ROOT PRUNING	EACH	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5		EARTH EXCAVATION	CU YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
6		POROUS GRAN BACKFILL	CU YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7		TRENCH BACKFILL	CU YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8		GEOTECH FAB F/GR STAB	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
9		TOPSOIL F & P VAR DP	CU YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
10		SEEDING, SPECIAL	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
11		SODDING, SPECIAL	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
12	28000510	INLET FILTERS	EACH	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
13		AGG SUBGRADE IMPROVE	CU YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
14		AGG BASE CSE B	CU YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
15		PCC PVT 8	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
16		PCC DRIVEWAY PAVT 6	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
17	42400200	PC CONC SIDEWALK 5	SQ FT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
18	42400300	PC CONC SIDEWALK 6	SQ FT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
19		DETECTABLE WARNINGS	SQ FT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
20	44000100	PAVEMENT REM	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
21		DRIVE PAVEMENT REM	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
22		COMB CURB GUTTER REM	FOOT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
23	44000600	SIDEWALK REM	SQ FT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
24		CL B PATCH T1 8	SQ YD	20.00	\$99.00	\$ 1,980.00	\$ 100.00	\$ 2,000.00	\$ 150.00	\$ 3,000.00	\$ 250.00	\$ 5,000.00	\$ 260.00	\$ 5,200.00	\$ 275.00	\$ 5,500.00	\$ 275.00	\$ 5,500.00
25		CL B PATCH T2 8	SQ YD	60.00	\$99.00	\$ 5,940.00	\$ 90.00	\$ 5,400.00	\$ 140.00	\$ 8,400.00	\$ 125.00	\$ 7,500.00	\$ 163.00	\$ 9,780.00	\$ 225.00	\$ 13,500.00	\$ 205.00	\$ 12,300.00
26		CL B PATCH T3 8	SQ YD	150.00	\$99.00	\$ 14,850.00	\$ 80.00	\$ 12,000.00	\$ 110.00	\$ 16,500.00	\$ 85.00	\$ 12,750.00	\$ 142.00	\$ 21,300.00	\$ 200.00	\$ 30,000.00	\$ 205.00	\$ 30,750.00
27		CL B PATCH T4 8	SQ YD	125.00	\$99.00	\$ 12,375.00	\$ 70.00	\$ 8,750.00	\$ 100.00	\$ 12,500.00	\$ 80.00	\$ 10,000.00	\$ 133.50	\$ 16,687.50	\$ 175.00	\$ 21,875.00	\$ 205.00	\$ 25,625.00
28		CL D PATCH T1 2	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
29		CL D PATCH T2 2	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
30		CL D PATCH T3 2	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
31		CL D PATCH T4 2	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
32		CL D PATCH T4 2.5	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
33		CL D PATCH T1 4	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
34		CL D PATCH T2 4	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
35		CL D PATCH T3 4	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
36		CL D PATCH T4 4	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
37		CL D PATCH T1 6	SQ YD	20.00	\$39.00	\$ 780.00	\$ 60.00	\$ 1,200.00	\$ 125.00	\$ 2,500.00	\$ 150.00	\$ 3,000.00	\$ 50.00	\$ 1,000.00	\$ 150.00	\$ 3,000.00	\$ 139.00	\$ 2,780.00
38		CL D PATCH T2 6	SQ YD	60.00	\$39.00	\$ 2,340.00	\$ 60.00	\$ 3,600.00	\$ 80.00	\$ 4,800.00	\$ 125.00	\$ 7,500.00	\$ 50.00	\$ 3,000.00	\$ 120.00	\$ 7,200.00	\$ 107.00	\$ 6,420.00
39		CL D PATCH T3 6	SQ YD	150.00	\$39.00	\$ 5,850.00	\$ 55.00	\$ 8,250.00	\$ 65.00	\$ 9,750.00	\$ 100.00	\$ 15,000.00	\$ 48.00	\$ 7,200.00	\$ 100.00	\$ 15,000.00	\$ 90.00	\$ 13,500.00
40		CL D PATCH T4 6	SQ YD	125.00	\$39.00	\$ 4,875.00	\$ 55.00	\$ 6,875.00	\$ 80.00	\$ 7,500.00	\$ 90.00	\$ 11,250.00	\$ 47.00	\$ 5,875.00	\$ 95.00	\$ 11,875.00	\$ 82.00	\$ 10,250.00
41	48101202	AGGREGATE SHLDS B	CU YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
42		STORM SEW CL B 1 8	FOOT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
43		STORM SEW CL B 1 12	FOOT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
44		STORM SEW REM & REPL 8	FOOT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
45		CB TA 4 DIA T1F	EACH	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
46		CB TC T1F OL	EACH	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
47		MAN TA 4 DIA T1F	EACH	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
48		INLETS TA T1F	EACH	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
49		FR & LIDS T1 OL	EACH	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
50		FR & LIDS T1 CL	EACH	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
51	60108106	PIPE UNDERDRAINS T1 6	FOOT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
52		CONC CURB TB	FOOT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
53		COMB CC&G TB6.12	FOOT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
54		COMB CC&G TB6.18	FOOT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
55		MOBILIZATION	L SUM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
56		TRAFFIC CONT & PROT	L SUM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
57		CLEARING AND GRUBBING	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
58		SEWER CONNECTION	EACH	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
59		SEWER SERVICE R&R	EACH	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
60		BRICK PAVT REMOVAL	SQ FT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
61		BRICK PAVT INSTALL	SQ FT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
62		BRICK PAVR REM & REP	SQ FT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
63		STRUCTURE ADJ	EACH	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
64		BYPASS PUMPING, SPECIAL	L SUM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
65		BRICK DRWY REM & REPL	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
66		HMA DRIVEWAY PAVT 3	SQ YD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
67		COMB SEW REM & REPL 10	FOOT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
68		WOOD FENCE REM & REPL	FOOT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
69		LANDSCAPE REST ALLOW	UNIT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
70		SPRINKLER SYSTEM HEAD	EACH	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
71		SPRINKLET SYSTEM LINE	FOOT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
72		CONSTRUCTION LAYOUT	L SUM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
73		DRAINAGE STR REMOVED	EACH	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
74		EDGE SLOPE ADJUSTMENT	FOOT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
75		IVORTEX RESTRICTOR	EACH	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
76		BRICK PAVT PATCH	SQ FT	1,900.00	\$18.50	\$ 35,150.00	\$ 18.00	\$ 34,200.00	\$ 25.00	\$ 47,500.00	\$ 12.00	\$ 22,800.00	\$ 23.50	\$ 44,650.00	\$ 15.00	\$ 28,500.00	\$ 16.00	\$ 30,400.00
77		BRICK PAVT PATCH, SPECIAL	SQ FT	400.00	\$18.50	\$ 7,400.00	\$ 18.00	\$ 7,200.00	\$ 35.00	\$ 14,000.00	\$ 16.00	\$ 6,400.00	\$ 27.00	\$ 10,800.00	\$ 22.50	\$ 9,000.00	\$ 16.00	\$ 6,400.00
78		ARROW BOARD	DAY	12.00	\$1,000.00	\$ 12,000.00	\$ 75.00	\$ 900.00	\$ 50.00	\$ 600.00	\$ 500.00	\$ 6,000.00	\$ 30.00	\$ 360.00	\$ 150.00	\$ 1,800.00	\$ 225.00	\$ 2,700.00
ALTERNATE BID 3 TOTALS:						\$ 103,540.00		\$ 90,375.00		\$ 127,050.00		\$ 107,200.00		\$ 125,852.50		\$ 147,250.00		\$ 148,625.00
DIFFERENCE BETWEEN E.O.C.:						0.00%		-12.71%		22.71%		3.53%		21.55%		42.22%		41.61%

VILLAGE OF WILMETTE
 2019 ALLEY & BRICK RECONSTRUCTION PROGRAM (#19044)
 BID TABULATION
 DATE: APRIL 1, 2019

	ENGINEER'S ESTIMATE OF COST	DINATALE CONSTRUCTION, INC.	A LAMP CONCRETE CONTRACTORS, INC.	SCHROEDER & SCHROEDER, INC.	LANDMARK CONTRACTORS, INC.	TRIGGI CONSTRUCTION, INC.	ALLIANCE CONTRACTORS, INC.
BASE BID TOTALS:	\$ 1,086,501.52	\$887,547.85	\$ 1,045,364.20	\$ 1,066,995.26	\$ 1,077,531.73	\$ 1,120,829.90	\$ 1,294,651.00
ALTERNATE BID 1 TOTALS:	\$ 149,564.50	\$143,756.50	\$ 136,219.50	\$ 142,228.00	\$ 189,228.11	\$ 143,808.75	\$ 202,133.05
ALTERNATE BID 2 TOTALS:	\$ 139,150.52	\$119,793.85	\$ 129,457.10	\$ 140,698.56	\$ 167,053.74	\$ 138,068.35	\$ 213,136.70
ALTERNATE BID 3 TOTALS:	\$ 103,540.00	\$90,375.00	\$ 127,050.00	\$ 107,200.00	\$ 125,852.50	\$ 147,250.00	\$ 146,625.00
COMBINED TOTALS:	\$ 1,478,756.53	\$1,241,473.20	\$ 1,438,090.80	\$ 1,457,121.82	\$ 1,559,666.08	\$ 1,549,957.00	\$ 1,856,545.75
DIFFERENCE BETWEEN E.O.C.:	0.00%	-16.05%	-2.75%	-1.46%	5.47%	4.81%	25.55%

Alley Replacement Program Streets, Sidewalks and Alleys	2019	\$552,100	Operating
	2020	\$508,300	
	2021	\$551,400	
	2022	\$553,000	
	2023	\$583,000	

- X Critical
- Recommended
- Contingent on Funding

Original Purchase Date & Cost
Unknown

Funding History

Year	Amount	Source	Area (SY)	\$/SY
2018	\$529,763	Operating	3,675	\$144.15
2017	\$587,670 ¹	Operating	2,825	\$208.02
2016	\$515,000	Operating	3,235	\$159.20
2015	\$836,500 ²	Operating	4,270	\$195.90
2014	\$273,000	Operating	1,685	\$162.02
2013	\$900,000	Bond	6,350	\$141.73
2012	\$355,000	Operating	3,010	\$117.94
2011	\$823,241	Bond	5,660	\$145.45



¹ Storm sewer portions included in 3 of 4 alleys
² Includes \$130,000 from MWRD for green alleys

With the passage of the increased Home Rule Sales Tax in 2014, a portion of the proceeds was dedicated for street, sidewalk, and alley programs. As a result of the increased revenue, the Board allocated approximately \$515,000 annually with the goal of repairing all failed and poor alleys by 2022.

Project Description & Justification

This program consists of the replacement of existing alleys. As part of the alley reconstruction, the practice is to also improve the drainage conditions to extend the life of the alley, minimize the impact to adjacent properties and improve the level of service. All alleys are proposed to drain by overland flow, however in cases where overland flow cannot not fully address the drainage partial of full storm sewer is utilized. The impact of adding storm sewer is significant in terms of cost so this is used as a last resort.

The definition ratings are as follows:

Rating	Pavement	Drainage
A	Like New	Excellent

Rating	Pavement	Drainage
B	Minor Cracking	Minor Standing Water
C	Pronounced Cracking	Standing Water
D	Major Cracking and Pavement Settling	Major Standing Water
E	Failed Pavement	Flooding and Hazardous Conditions

The following alleys are rated 'E' (failed) and 'D' (poor) in pavement and/or drainage condition, and were evaluated in 2017. Cost estimates are based upon 2018 alley pricing. As construction pricing continues to increase, the amount of alley reconstruction diminishes and either requires an increase in budget, a reduction in the alley reconstruction or a combination of both.

Alley #	Block	Between	Length	Pavement Rating	Drainage Rating	Cost Estimate ¹
2019						
535 ²	600	Green Bay/Park	465	E	E	\$184,200
417	200	15 th /16 th	420	E	D	\$120,400
414	1200	Gregory/Maple	625	E	C	\$247,500
Total ft			1510	Total:		\$552,100

2020						
425	1400	Isabella/Gregory	463	E	C	\$188,900
604 ³	1100	15 th /16 th	145	D	C	\$36,200
512	1900	Birchwood/Schiller	350	D	D	\$95,200
204	700	Washington/Lake	450	D	C	\$188,000
Total ft			1408			\$508,300

Beyond 2021						
232	800	Linden/Greenleaf	450	D	C	\$188,900
127	600	Lake/Forest	426	D	C	\$178,900
130	900	Lake/Forest	450	D	C	\$183,700
233	900	Linden/Greenleaf	450	D	C	\$205,000
212	600	Central/Washington	450	D	C	\$201,200
131	1000	Lake/Forest	340	D	C	\$146,800
402	500	Linden/Alley 401	370	D	C	\$159,700
533	800	Green Bay/Park	630	D	C	\$279,500
331	200	Gregory/Crescent	315	C	D	\$143,600
534	700	Green Bay/Park	500	D	C	\$221,800
613	1600	Forest/Walnut	500	D	E	\$172,500
214	700	10 th /11 th	495	D	C	\$195,200

Alley #	Block	Between	Length	Pavement Rating	Drainage Rating	Cost Estimate ¹
421	1100	Isabella/Alley 422	192	D	C	\$53,600
501	1500	Alley 503/Lake	500	D	C	\$202,400
416	1400	Gregory/Maple	463	C	D	\$210,900
						\$2,743,700
307 ⁴	800	Alley 320/Linden	450	B	C	\$101,200

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).

²Delayed due to construction of 611 Green Bay Road.

³Pavement rating prior to alley paving in-house by Public Works.

⁴Proposed reconstruction of east half only if patching (non-utility) funds are not available. East half is rated D in both pavement and drainage condition.

All project costs reflect reconstructing the alleys in conventional concrete. Alleys that are unable to drain overland require storm sewers to ensure the integrity of the pavement is maintained and adjacent properties do not flood. At the current funding level, all failed alleys will be completed by 2020. Alleys currently rated as poor are estimated to be rehabilitated by 2025.

Green Alleys

In 2015 the Village of Wilmette received a grant from the Metropolitan Water Reclamation District of Greater Chicago (MWRD) to build four green alleys. MWRD reviewed the project details, cost estimate, and stormwater storage benefits and determined the project will reduce flooding and the burden on the combined sewer system during rain events. A grant was awarded in the amount of \$130,000 to partially fund the installation of green alleys in Wilmette. The grant contribution of \$130,000 reflected the cost differential between building green alleys compared to conventional concrete alleys.

The Municipal Services Committee (MSC) discussed the success of the 2015 program which has performed very well during rain events. Residents have reported the green alleys have significantly better drainage than the original asphalt or concrete alleys. The MSC recommended staff seek additional green infrastructure grant funds from MWRD for the 2019 Alley Reconstruction Program as well all future programs.

Project Update

Funding amounts for 2019-2023 have been updated.

Project Alternative

The Public Works Department can temporarily patch the alleys with cold patch or sand mix; however, this does not last as it needs to be replaced on a bi-annual or more frequent basis. A hot asphalt or concrete patching program (non-utility) would provide another intermediate option to repair and extend the lifespan of alleys. The asphalt patching should last five to ten years on a stable base, whereas concrete patching lifespan can be decades.

Operating Budget Impact

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

ROUTINE	
Department Budget	Engineering
Account Number Description	Alley Replacement Program
Account Number	11202035-425200

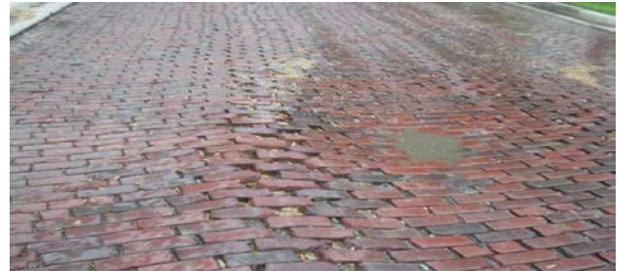
Brick Street Renovation Project	2019	\$627,200	Operating
Streets, Sidewalks and Alleys	2020	\$507,200	
	2021	\$359,700	
	2022	\$360,600	
	2023	\$970,900	
X	Critical		
-	Recommended		
-	Contingent on Funding		

Original Purchase Date & Cost

Unknown

Funding History

2018	\$442,360	Operating
2017	\$319,583	Operating
2016	\$293,060	Operating
2015	\$286,098	Operating
2007	\$220,338	Operating



With the passage of the increased Home Rule Sales Tax effective January 1, 2015, a portion of the proceeds was dedicated for streets, sidewalk, and alley programs. As a result of the increased revenue, the Board allocated approximately \$240,000 annually of the additional revenue for this project.

Project Description & Justification

There are approximately 11 miles of brick streets in Wilmette which were originally constructed in the early 1900s. The bricks were re-laid during the 1930s and have received little maintenance since. The requested funding level will renovate approximately one to two blocks. The 2017 brick survey determined 13 blocks have been identified in “very poor” condition and 47 blocks are in “poor” condition. The estimated cost of reconstructing all 13 very poor blocks is \$3.5 million.

Future Brick Programs

In 2018, staff will look at a modified design strategy of maintaining as much of the existing pavement base as possible and regrading it to achieve proper drainage. This strategy is predicated on existing base conditions that are structurally sound. The modified strategy will result in a lower unit cost for rehabilitation. Brick renovation estimates that exceed the \$240,000 are primarily a result of longer blocks that have a higher square footage to rehabilitate.

Engineering staff inspected and ranked the condition of all of the brick streets in 2017 and plans on reevaluating the brick streets in 2018 and will be re-surveyed every five years. Afterwards, the top 20 streets will be re-evaluated yearly. The following program is recommended for 2019-2023:

Year	Block	Street	Brick Area (SF)	Reno	Brick Purchase	Total
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2019	200	Wood Court	18,175	\$586,300	\$40,900	\$627,200
2020	300	Oak Circle	14,696	\$474,100	\$33,100	\$507,200
2021	300	14 th Street	10,420	\$336,200	\$23,500	\$359,700
2022	800	Oakwood	10,437	\$336,700	\$23,900	\$360,600
2023	1000	Michigan	28,132	\$907,600	\$63,300	\$970,900
Total				\$2,640,900	\$184,700	\$2,825,600

Project Update

Funding amounts have been updated for 2019-2023. An annual inflation factor of 3% is included.

This project was deferred from 2008-2014.

Project Alternative

The alternative is not to renovate brick streets. This will result in continued deterioration, increased liability and deferred cost in the future. Removing the bricks and rebuilding the street in asphalt would be cost prohibitive and likely very unpopular with the residents.

The Department will evaluate the extent of base repair based on information obtained from pavement cores. If the existing base is acceptable, a cost savings may be possible. An additional option to complete base removal and repair is base patching at locations with a poor base. This can be determined during construction.

Operating Budget Impact

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

NON-ROUTINE	
Maintenance Costs	\$60 per block to sand
Personnel Costs	None
Training Costs	None

Preventative Maintenance Program	2019 \$149,100	Operating
Streets, Sidewalks, and Alleys	2020 \$153,200	
	2021 \$157,500	
	2022 \$161,800	
	2023 \$166,100	

- X Critical
 - Recommended
 - Contingent on Funding
-

Project Description & Justification

This program is designed to extend the life of Village streets by applying one of three methods of preventative pavement maintenance to repair pavement deficiencies that occur over time. The Department will evaluate the streets for deficiencies each year and shall apply this program based on pavement needs.

The three preventative pavement maintenance services include:

Pavement Patching (non-utility)

This service patches localized areas of deterioration in the pavement. The Village currently has a street patching program that focuses only on street patching needed due to water main and sewer repairs performed by the Village, but has no program to address non-utility related patch locations. Many calls are received from residents requesting a more permanent solution than the pothole filling that is performed in-house by Engineering & Public Works. While filling potholes can be an effective procedure for minimally maintaining the pavement, it is only a temporary fix, and residents often call back on an annual basis to address the same pavement area. Sometimes a base repair is also needed for a localized pavement area that requires a patch.

A street and alley patching program will allow the Village to address these localized areas where the roadway or alley does not yet qualify and is over 8 years out from resurfacing or reconstruction. The 2019 funding amount is anticipated to complete up to 2,900 SY of 2-inch pavement patching and increase the overall life cycle of the pavement. Engineering staff has begun to collect an inventory of patch locations from pothole locations performed by Public Works, incident management complaints about pavement conditions, and will expand this further during our road and alley evaluations this year.

The financial model adopted by Village Board in late 2016 provides \$2 million for the Village's Road Program until 2027 at which time the recommended funding level will increase to \$4 million which intends to keep the average street condition in the "good" or better category. However, with funding levels in the past few years being under the recommended target level, the average pavement condition has been declining. A regular patching program would allow

some of these deteriorated areas to be addressed extending the useable life of the roadway before a full reconstruction is necessary.

Due to a growing need for patching and maintenance work related to development projects which impacts the street and alley condition but is not currently addressed through current funding levels, a future consideration can be for an Alley and Street Impact Fee.

Project Update

The funding amount of \$100,000 has been added for 2023 which includes an annual inflation factor of 3%.

Project Alternative

The alternative to pavement patching is doing nothing and waiting for the pavement surface to deteriorate to the point where resurfacing or reconstruction is needed. However, once the roadway base is impacted from lack of maintenance, the road has to be reconstructed typically between three to four times the costs of resurfacing. Patching can slow down the decline of the overall pavement condition and improves ride quality.

Crack Sealing

Original Purchase Date & Cost

N/A

Funding History

2018	\$63,200*	Operating
2017	\$40,000	Operating
2016	\$40,000	Operating
2015	\$10,000	Dedicated Revenues
2014	\$10,000	Dedicated Revenues
2013	\$10,000	Dedicated Revenues
2012	\$10,000	Dedicated Revenues

* not constructed at time of budget preparation

Project Description & Justification

This program is designed to perform preventive maintenance on resurfaced asphalt streets within the Village by sealing cracks that have developed or expanded. The goal of this maintenance program is to extend the life cycle of these pavements. Crack sealing “seals” the pavement surface and prevents moisture from reaching the base, causing further degradation.

The Village currently funds resurfacing of approximately 1 to 2 miles per year of the existing 66 miles of asphalt streets. Crack sealing has been shown to be one of the best and most cost effective preventative maintenance techniques to prolong the lifespan of asphalt pavements.

The 2018 funding level will allow for the sealing of approximately 0.5 to 1 miles annually depending on the amount of cracks being filled. A fully developed crack sealing program is first initiated on roads after 3 or 4 years of age and is repeated every 4 to 5 years until the roadway is usually within 5 to 7 years of the next planned resurfacing, excepting pavements that are showing signs of alligator cracking.

The Village is one of several municipalities participating in the municipal consortium. The benefit of joint bidding with other agencies is to increase the size of the contract with the goal of reducing overall contract cost. The crack sealing program has been part of the municipal consortium since 2010.

Project Update

The funding request of \$47,200 has been added for 2023 which includes an annual inflation factor of 3%.

Project Alternative

The alternative is not to crack seal Village streets, which will result in accelerated pavement deterioration.

Pavement Surface Rejuvenation

Funding History

\$6,000 Test program in 2017

Project Description

Reclamite is a pavement surface rejuvenator that penetrates asphalt pavements and restores pavement surface flexibility that has been lost from the asphalt due to oxidation. Applying Reclamite to new pavement helps decrease deterioration of the asphalt surface dramatically, reducing and/or delaying the need for more expensive surface treatments such as patching or crack sealing. Reclamite can also be applied to pavements showing light hairline cracking, light raveling, segregation, light pitting, and dryness. The application period is typically 2-3 years after new pavement surface installation.

A pilot program was initiated in 2017 and continued in 2018.

An annual inflation factor of 3% is included. The 2019 funding level represents an incremental approach to an overall pavement management strategy. The planned locations for this program going forward is to apply the rejuvenator to the road program asphalt streets two years in arrears.

Project Alternative

The alternative to funding this project is to continue maintaining pavements with higher usage of crack sealing and non-utility based patching until they are resurfaced.

Overall Program Budget

	Program Budget			
Year	Pavement Surface Rejuvenation	Pavement Patching	Crack Sealing	Budget Total
2019	\$16,900	\$89,800	\$42,400	\$149,100
2020	\$17,400	\$92,200	\$43,600	\$153,200
2021	\$17,900	\$94,800	\$44,800	\$157,500
2022	\$18,400	\$97,400	\$46,000	\$161,800
2023	\$18,900	\$100,000	\$47,200	\$166,100

Operating Budget Impact

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

NON-ROUTINE	
Maintenance Costs:	No additional costs – pavements will continue to be maintained
Personnel Costs:	No additional cost – the Village currently maintains pavements as deficiencies arise
Training Costs:	None

Brick Street Repairs	2019	\$140,000	Operating
Streets, Sidewalks and Alleys	2020	\$144,500	
	2021	\$149,000	
	2022	\$153,000	
	2023	\$157,500	

X	Critical
-	Recommended
-	Contingent on Funding

Types of Maintenance



Original Purchase Date & Cost

Unknown

Funding History

2018	\$136,000	Operating
2017	\$136,000	Operating
2016	\$136,000	Operating
2015	\$50,000	Dedicated revenues
2014	\$40,000	Dedicated revenues
2013	\$40,000	Dedicated revenues
2012	\$132,000	Dedicated revenues

Project Description & Justification

This is an annual maintenance program to repair and relay brick pavers that have settled in various locations throughout the Village. In addition, the areas where the edge of pavement has fallen below the gutter line will be repaired. This settlement creates trip hazards, drainage problems, and vehicle damage.

In a 2017 survey of 2/3 of the Village’s brick streets, staff identified at least 18,000 square feet of brick with significant depressions and another 17,000 square feet of brick with rutting and edge settlement. It is estimated that over 52,000 SF of brick street repairs are needed throughout the

Village. The cost for brick street repairs averages \$12-\$14 per square foot for a total cost range of \$630,000 - \$735,000. The table below represents a fully funded brick street maintenance plan.

Year	Patching	Brick Purchase	Total
2019	\$119,000	\$21,000	\$140,000
2020	\$123,000	\$21,500	\$144,500
2021	\$127,000	\$22,000	\$149,000
2022	\$130,000	\$23,000	\$153,000
2023	\$134,000	23,500	157,500
Total	\$633,000	\$111,000	\$744,000

Project Update

The funding request for 2018 has been increased from \$136,000 to \$140,000 and, \$157,500 has been added to 2023. Costs have been updated to reflect an annual 3% price index.

Project Alternative

The alternative is to do nothing which can lead to increased liability resulting from car damage caused by settled pavers.

Operating Budget Impact

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

ROUTINE	
Department Budget	Engineering
Account Number Description	Brick Street Repair
Account Number	11202035-425230