



## MEETING AGENDA

### Village Council

*Mayor Nicole Milovich-Walters*

*Village Clerk Marie Arrigoni*

*Commissioner G. Darryl Reed*

*Commissioner Dan Polk*

*Commissioner Mike Wade*

*Commissioner Rebecca Petan*

**Monday, June 26, 2023**

**7:30 PM**

**Kaptur Administrative Center**

**1) CALL TO ORDER**

**2) ROLL CALL**

**3) PLEDGE OF ALLEGIANCE**

**4) APPROVAL OF MINUTES**

A. Regular Council meeting of June 12, 2023

**5) RECOGNITION/PROCLAMATIONS/APPOINTMENTS/PRESENTATIONS**

**6) HEARINGS**

**7) CONSENT AGENDA**

All items on the consent agenda are routine or have been brought forward at the direction of the Board of Commissioners and will be enacted with one motion. If discussion is desired, that item will be removed from the consent agenda and considered separately

A. To ratify a Village of Palos Park Temporary Liquor License issued to Durbin's Pizza for the Village of Palos Park Concert in The Park event that took place on June 15, 2023 from 6:00 pm. to 9:00 pm

B. To approve payment of invoices on the Warrant List dated June 26, 2023 in the amount of \$261,707.20

**8) OLD BUSINESS**

## **9) BOARD, COMMISSION AND COMMITTEE RECOMMENDATIONS**

- A. To consider ZBA 2023-01; regarding variance requests for a 36.15' corner side yard setback and a 27.13' rear yard setback, instead of the required 50' corner side yard setback and 50' rear yard setback; as required by Sections 1268.02(f) and (g) of the Palos Park Village Code; to allow construction of a new single-family residence on the property commonly known as 11500 S. Elbridge Avenue

## **10) INFORMATION & UPDATES**

### A. Public Works and Streets, Recreation Report

- 1. To approve the proposals from Metropolitan Industries and Airy, Inc., in the amount of \$11,347.21 to replace the 4" pressure relief valve at the reservoir and pump station
- 2. To approve the 2023 Water Main Leak Survey Proposal from ADS Environmental Services in the amount of \$7,685.00
- 3. To approve the proposal Letter of Agreement with the State of Illinois covering the Reconstruction of Southwest Highway between 135<sup>th</sup> Street and 131<sup>st</sup> Street
- 4. To approve Pay Estimate No. 5 and Final for the 2022 Roadway and Drainage Project to K-Five in the amount of \$103,676.27
- 5. To forego the formal bidding process and approve the purchase of a 2023 Ford Explorer Police AWD utility vehicle from Terry's Ford Fleet in Peotone at a cost of \$42,138.00

### B. Building and Public Property Report

- 1. Building Department Report

### C. Public Health and Safety Report

- 1. Police Activity Report

### D. Accounts and Finances Report

### E. Mayor's Report

### F. Clerk's Report

### G. Manager's Report

- 1. To approve the following for the Village's August 1, 2023, annual renewal employee health care program: Blue Cross Blue Shield (BCBS) HMO program, BCBS Blue Choice PPO and HSA program; two-year plan through MetLife for the dental coverage; remain with BCBS for life/AD&D coverage, and BCBS for voluntary life insurance; and VSP for the voluntary vision program

**11) ANNOUNCEMENTS**

**12) CITIZENS AND VISITORS COMMENT PERIOD**

**13) ADJOURNMENT OF REGULAR MEETING**

**MINUTES OF THE BOARD OF COMMISSIONERS'  
REGULAR MEETING  
HELD ON JUNE 12, 2023**

The Board of Commissioners of the Village of Palos Park, Cook County, Illinois held its regular meeting on Monday, June 12, 2023. Mayor Milovich-Walters called the meeting to order at 7:32 p.m. Answering roll call were Commissioners, Petan, Wade, Polk, Reed and Mayor Milovich-Walters. Commissioner Reed was absent this evening.

Also in attendance were Marie Arrigoni, Village Clerk; Rick Boehm, Village Manager; Howard Jablecki, Village Attorney; Mike Sibrava, Public Works Director; Allen Altic, Finance Director; Mark Herman, Community Development Director, Joe Miller, Police Chief; Stephen DeFalco, Recreation Director; Kathie May, Community Development Coordinator, and Lisa Boyle, Deputy Village Clerk.

**APPROVAL OF MINUTES OF THE REGULAR COUNCIL MEETING HELD ON MAY 22, 2023:** Commissioner Wade moved, seconded by Commissioner Petan , to approve the minutes of the Regular Council Meeting held on May 22, 2023, as presented.

On the call of the roll, the vote was as follows:

AYES: -4- Commissioners Wade, Petan, Polk and Mayor Milovich-Walters

NAYS: -0-

ABSENT: -1- Commissioner Reed

**RECOGNITIONS/PROCLAMATIONS/APPOINTMENTS/PRESENTATIONS:**

**PALOS PARK LIBRARY BOARD REAPPOINTMENTS:** Mayor Milovich-Walters presented the reappointments of Kathy Branigan and Amanda Neely to the Palos Park Library Board of Trustees with a term to expire June 1, 2027.

Commissioner Petan moved, seconded by Commissioner Wade to approve the reappointment of Kathy Branigan and Amanda Neely to the Palos Park Library Board of Trustees with a term to expire June 1, 2027.

On the call of the roll, the vote was as follows

AYES: -4- Commissioners Petan, Wade, Polk and Mayor Milovich-Walters

NAYS: -0-

ABSENT: -1- Commissioner Reed

**HEARINGS:** None

**CONSENT AGENDA**

All items on the consent agenda are routine or have been brought forward at the direction of the Board of Commissioners and will be enacted with one motion. If discussion is desired, that item will be removed from the consent agenda and considered separately.

Commissioner Wade moved, seconded by Commissioner Petan to:

- A. To pass a resolution authorizing the Village Clerk to make certain closed session minutes available for public inspection – First Review 2023 – the resolution states the Village has reviewed closed session minutes and determined that a need for confidentiality still exists as to the executive session minutes set forth on Exhibit "C"

- B. To approve the True Value Foundation Raffle Licenses and Raffle Manager Bond Waivers for two (2) raffles to be held at their fundraiser event on June 29, 2023 at Cog Hill Golf and Country Club
- C. To adopt an Ordinance declaring certain personal property owned by the Village as surplus and authorizing the sale of same – the Ordinance states the Village has a 2010 Ford Crown Vic, 2009 Ford Escape, 2006 Ford F350 and a 2013 Ford Explorer which are no longer necessary or useful and the best interest of the Village would be served by the sale of said property at next available auction at Richie Brothers in Morris, IL for the best price offered, a sale to a private party and to the junk yard
- D. To approve payment of invoices on the Warrant List dated June 12, 2023 in the amount of \$272,208.19
- E. To approve the Supplemental Warrant List dated June 12, 2023 for manual checks, payroll, and recurring wire transfers in the amount of \$589,307.92

On the call of the roll, the vote was as follows

AYES: -4- Commissioners Wade, Petan, Polk and Mayor Milovich-Walters

NAYS: -0-

ABSENT: -1- Commissioner Reed

**OLD BUSINESS:** None

**BOARD, COMMISSION AND COMMITTEE RECOMMENDATIONS:**

ORDINANCE 2023-14: Commissioner Wade presented Ordinance 2023-14 “An Ordinance Amending Part Twelve, Title Six, Chapter 1260, Section 1260.03 and Chapter 1280, Section 1280.08 of the Palos Park Village Code to Except the Cog Hill and Ludwig Farm Properties From Certain Portions Of The Palos Park Village Code Requirements Relative to Non-Conforming Uses.” The proposed text amendments are necessary due to the nature of the annexation of the properties, which did not involve an annexation agreement. The proposed text amendments states that uses, buildings, and structures that were in place at the time of annexation in February 2016 can continue to exist. The proposed text amendment does allow for Cog Hill to expand their driving range and pavilion but limits the extent of those expansions. The Plan Commission held a public hearing and discussed the requested variances at its May 18, 2023 meeting. A motion was made to recommend approval of the requested text amendment. The vote was five (5) yes and zero (0) no on the request.

Commissioner Wade moved, seconded by Commissioner Petan To approve Ordinance 2023-14 “An Ordinance Amending Part Twelve, Title Six, Chapter 1260, Section 1260.03 and Chapter 1280, Section 1280.08 of the Palos Park Village Code to Except the Cog Hill and Ludwig Farm Properties From Certain Portions Of The Palos Park Village Code Requirements Relative to Non-Conforming Uses.”

On the call of the roll, the vote was as follows

AYES: -4- Commissioners Wade, Petan, Polk and Mayor Milovich-Walters

NAYS: -0-

ABSENT: -1- Commissioner Reed

**INFORMATION & UPDATES:****COMMISSIONER OF PUBLIC WORKS AND STREETS/RECREATION & PARKS, REBECCA PETAN:**

**NIKOLAS PAINTING PROPOSAL:** Commissioner Petan presented a proposal from Nikolas Painting Contractors, Inc. in the amount of \$10,710.00 to paint the interior of the Water Booster Station. The interior of the station is showing signs of wear and rusting in some locations. The Public Works Department sought out proposals from three qualified companies with experience painting underground booster stations. Public Works is asking the council to approve the proposal from Nikolas painting Contractors, Inc., who provided the lowest bid. Money in the Water Fund Budget was set aside to pay for the project.

Commissioner Petan moved, seconded by Commissioner Wade to approve the proposal from Nikolas Painting Contractors, Inc. in the amount of \$10,710.00 to paint the interior of the Water Booster Station.

On the call of the roll, the vote was as follows

AYES: -4- Commissioners Petan, Wade, Polk and Mayor Milovich-Walters

NAYS: -0-

ABSENT: -1- Commissioner Reed

Commissioner Petan announced that Concert if The Park is this Thursday at the Village Green. The grounds open at 6pm and the Flat Cats will perform from 7-9pm. Commissioner Petan informed residents of programming at the Recreation Center: Kids Zone Summer Camp, Several Summer Programs and Adult Pickleball were announced.

**COMMISSIONER OF BUILDING & PUBLIC PROPERTY, MIKE WADE:**

**CARBON MONOXIDE AND SMOKE DETECTORS:** Commissioner Wade informed residents to change batteries in their carbon monoxide and smoke detectors. Illinois state law requires that every home be equipped with at least one carbon monoxide alarm within 15 feet of every bedroom.

**BUILDING DEPARTMENT REPORT:** Commissioner Wade reported that the Building Department processed nineteen (19) permits from May 16, 2023 – June 6, 2023 resulting in \$6,596.30 in permit fees. Fifteen (15) inspections were completed during this time. Fiscal year to date totals \$6,596.30

**COMMISSIONER OF PUBLIC HEALTH AND SAFETY, DANIEL POLK:**

**POLICE ACTIVITY REPORT:** Commissioner Polk reported the Police Department received 1931 calls for service/CAD Events from May 29 through June 11, 2023. Palos Park Police also issued 109 traffic stops, 35 moving violations, 6 adjudication tickets, 80 speeding tickets, 18 case reports, 9 accident reports, 1 adult arrests, 0 juvenile, 0 impounds, and 23 citizen assists.

**COMMUNITY LUNCH FORUM:** Commissioner Polk recapped the Police/ Community Lunch Forum. It was three hours of great discussion, questions and dialogue. The next Palos Park Coffee with the Cop will be Wednesday, June 21<sup>st</sup> at 11am at The Plus Horse 126<sup>th</sup> & 86<sup>th</sup> Ave. Coffee the Chief is the last Friday of the Month at 7:00pm at 8999 W. 123<sup>rd</sup> Street.

**S.T.O.P.I.T.:** Commissioner Polk spent some time speaking about the Palos Park Police Project S.T.O.P.I.T. (Scams Target Older People & through awareness we can Intercept Thieves) Be aware of the warning signs of a scam. Call 911 if you think that there is someone who is not who they say they are. Some offenders will pose as a new neighbor or contractor. The offender will approach and engage in

“fast talk” conversation, offering home repair work or walking into the house past the resident stating that they need to check electrical, plumbing or another reported problem.

**COMMISSIONER OF ACCOUNTS AND FINANCES, G. DARRYL REED:**

Commissioner Reed did not have any formal report this evening.

**MAYOR’S REPORT:**

**FOURTH AMENDMENT TO THE VILLAGE MANAGER AGREEMENT:** Mayor Milovich-Walters presented the Fourth Amendment to the Village Manager Agreement to the Council. The Fourth Amendment changes are that the effective date will be June 12, 2023, through May 8, 2027. The agreement recognized the salary that has increased annually since the original agreement (average of 2.70% per year) and recognized the annual motor vehicle expense increase since the original agreement.

Commissioner Wade moved, seconded by Commissioner Petan to approve the Fourth amendment to the Village Manager Agreement.

On the call of the roll, the vote was as follows

AYES: -4- Commissioners Wade, Petan, Polk and Mayor Milovich-Walters

NAYS: -0-

ABSENT: -1- Commissioner Reed

**NEWCOMERS WELCOMING AD HOC COMMITTEE:** Mayor Milovich-Walters presented the item to create a new Ad Hoc Committee to welcome newcomers to Palos Park. The Ad Hoc committee will develop various strategies to welcome newcomers into the community and help them learn of all the various amenities that make this community great. Voting members of the Ad Hoc committee will consist of 5 to 7 members. The Chair and Vice Chair shall be named at the time the members of the Ad Hoc committee are announced. Non-voting members include the Mayor and/or another member of the Council and a Staff liaison.

Commissioner Petan moved, seconded by Commissioner Wade to approve the creation of an Ad Hoc Committee on Welcoming Newcomers to the Village of Palos Park.

On the call of the roll, the vote was as follows

AYES: -4- Commissioners Petan, Wade, Polk and Mayor Milovich-Walters

NAYS: -0-

ABSENT: -1- Commissioner Reed

**CLERK’S REPORT:**

Clerk Arrigoni had no formal report this evening but commented on the great turn out of the Village’s Memorial Day Celebration and how it was wonderfully done.

**MANAGER’S REPORT:**

Manager Boehm had no formal report this evening.

**CITIZENS AND VISITORS COMMENT PERIOD:** None

**ADJOURNMENT OF REGULAR COUNCIL MEETING:** There being no further business, Commissioner Wade moved, seconded by Commissioner Petan, to adjourn the meeting at 8:04 p.m.

On the call of the roll, the vote was as follows:

AYES: -4- Commissioners Wade, Petan, Polk and Mayor Milovich-Walters

NAYS: -0-

ABSENT: -1- Commissioner Reed

Respectfully submitted,

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Lisa M. Boyle, Deputy Village Clerk



**Durbin's of Palos Hills  
10154 S Roberts Rd  
Palos Hills, IL 60465**

**9th, June 2023**

**Mayor Milovich-Walters,**

**Durbin's Of Palos Hills intends to sell alcohol and food at the Concert In The Park Event.**

**This event takes place on June 15th, starting at 6pm located at 8901 W 123rd Street Palos Park, IL 60464.**

**We are asking for a temporary license that would allow us to sell alcohol during this event.**

**Any questions or concerns please feel free to contact me personally.**

**Thank you for allowing us to be a part of this special occasion.**

**Nikki Evitts  
Manager  
708-606-8863  
Nikkievitts78@gmail.com**



No. 2023-03  
\$ 0.00

**VILLAGE OF  
PALOS PARK**

**LICENSE**

**TO SELL ALCOHOLIC LIQUOR AT RETAIL**

**BY AUTHORITY OF**

**THE VILLAGE OF PALOS PARK, COOK COUNTY, ILLINOIS**

License is Hereby Granted to: DURBIN'S PIZZA

**TEMPORARY SPECIAL EVENT LIQUOR LICENSE**

**(KIND AND CLASSIFICATION OF LICENSE)**

PALOS PARK CONCERT IN THE PARK

THURSDAY, JUNE 15, 2023 6:00 PM - 9:00 PM

at No. 8901 W. 123RD STREET in said Village until the end of the 15TH day  
of JUNE A.D. 2023 subject to the provisions of all Ordinances now in force and  
that may hereafter be passed by said Village.

Witness the hand of the Mayor and Liquor Commissioner of the Village of Palos Park  
and the Corporate Seal thereof, this 13TH day of JUNE A.D. 2023.

Nicole Mitchell-Walkers, Mayor and Liquor Commissioner

Attest:

Marie Arrigoni, Village Clerk *Marie Arrigoni*  
*CLERK*

**THE VILLAGE OF PALOS PARK  
ACCOUNTS PAYABLE WARRANT  
FOR JUNE 26, 2023**

**THE MAYOR AND THE COMMISSIONERS OF THE VILLAGE OF PALOS PARK  
APPROVE THE FOLLOWING ACCOUNTS PAYABLE WARRANT AS STATED  
BELOW, AND AUTHORIZE THE TREASURER TO FORWARD PAYMENT.**

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**MAYOR NICOLE MILOVICH-WALTERS SIGNATURE**

**ATTEST:**

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**VILLAGE CLERK MARIE ARRIGONI SIGNATURE**

DATE: 06/20/23  
 TIME: 14:43:32  
 ID: AP441000.WOW

-- Village of Palos Park --  
 DETAIL BOARD REPORT

INVOICES DUE ON/BEFORE 06/26/2023

INVOICE #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
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1ST00001	1ST AYD CORPORATION							
PS1618588	06/15/23	01	VOC BRAKE PARTS CLEANER	01224606700			06/26/23	154.19
		02	KTCHN R/L TOMBELS/PTD WHT WIPER	01227936711				157.00
		03	10 ROLLS/BLACK LINER	01227936711				203.04
		04	10 ROLLS/BLACK LINER	01227966780				100.00
		05	10 ROLLS/BLACK LINER	01227956780				100.00
			INVOICE TOTAL:					714.23
			VENDOR TOTAL:					714.23
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ACC00002	ACCURINT							
1241214-20230531	06/20/23	01	CONTRACT FEE/MAY 2023	01222606990			06/26/23	30.00
			INVOICE TOTAL:					30.00
			VENDOR TOTAL:					30.00
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AIR00001	AIRY'S INC.							
27735	06/20/23	01	WTR MAIN BRK/123 COMMONS DR	5224606750			06/26/23	7,539.52
			INVOICE TOTAL:					7,539.52
27737	06/20/23	01	SNTRY SWR MAIN RPR/70 OLD CRK	5124606740			06/26/23	2,874.90
			INVOICE TOTAL:					2,874.90
27762	06/15/23	01	RPLC BLTS/HYDRANT 12707 MISTY	5224606755			06/26/23	4,127.89
			INVOICE TOTAL:					4,127.89
27768	06/20/23	01	SNTRY LN LOC 123RD W OF 93RD	5124606990			06/26/23	6,103.48
			INVOICE TOTAL:					6,103.48
27780	06/20/23	01	WTR MAIN BRK/12408 ELM STREET	5224606750			06/26/23	4,490.05
			INVOICE TOTAL:					4,490.05
27785	06/20/23	01	WTR MAIN BRK/7827 OAK RDG DR	5224606750			06/26/23	3,507.05
			INVOICE TOTAL:					3,507.05
			VENDOR TOTAL:					28,642.89

DATE: 06/20/23  
 TIME: 14:43:32  
 ID: AP441000.WOW

-- Village of Palos Park --  
 DETAIL BOARD REPORT

INVOICES DUE ON/BEFORE 06/26/2023

INVOICE #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
ALIS00002 ALISIP LAWMOWER REPAIR, INC.								
59377	06/15/23	01	PUSH LAWMOWER BLADES	0124606708			06/26/23	60.00
			INVOICE TOTAL:					60.00
			VENDOR TOTAL:					60.00
ALF000005 ALLEN ALFIC								
61023	06/15/23	01	STORAGE BINS/AIP TICKET AREA SPL	0324707004			06/26/23	15.98
			INVOICE TOTAL:					15.98
			VENDOR TOTAL:					15.98
AMA00004 AMAZON CAPITAL SERVICES								
17WK-MHK-3FG7	06/20/23	01	3 CHAIR MATS	0122707110			06/26/23	123.84
			INVOICE TOTAL:					123.84
			VENDOR TOTAL:					123.84
BAL00007 B ALLAN GRAPHICS								
100786	06/15/23	01	250 BUSINESS CARDS-BUJAK	0120707020			06/26/23	50.00
			INVOICE TOTAL:					50.00
			VENDOR TOTAL:					50.00
100790	06/15/23	01	2022 WATER REPORTS	5224707020			06/26/23	870.00
			INVOICE TOTAL:					870.00
			VENDOR TOTAL:					920.00
BET00003 BETTENHAUSEN								
DOCS709077	06/20/23	01	VEH#266-A/C FIX	0122606700			06/26/23	1,748.12
			INVOICE TOTAL:					1,748.12
			VENDOR TOTAL:					1,748.12
BOY00004 LISA BOYLE								
230620	06/20/23	01	CELL PHONE STIPEND JUL-AUG2023	0120707210			06/26/23	100.00
			INVOICE TOTAL:					100.00
			VENDOR TOTAL:					100.00

DATE: 06/20/23  
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 ID: AP441000.WOW

-- Village of Palos Park --  
 DETAIL BOARD REPORT

INVOICES DUE ON/BEFORE 06/26/2023

INVOICE #	VENDOR #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
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BRA00008		06/20/23	01	TAG#31 GMC DUMP/GSKT, AXLE, OL	0124606700			06/26/23	1,906.00
									INVOICE TOTAL: 1,906.00
									VENDOR TOTAL: 1,906.00
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CAR0001	CARLSON ASPHALT COMPANY INC	06/20/23	01	COMMONS PHS2&3-PVMT RMYL&RPL	5224606750			06/26/23	2,215.00
									INVOICE TOTAL: 2,215.00
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230605		06/20/23	01	PVMT RPR/ELM-NORTH OF 124TH	5224606750			06/26/23	3,230.00
									INVOICE TOTAL: 3,230.00
									VENDOR TOTAL: 5,445.00
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CAS00001	CASE LOTS, INC.	06/20/23	01	LARGE TRASH CAN LINERS	0127926711			06/26/23	89.00
									INVOICE TOTAL: 89.00
									VENDOR TOTAL: 89.00
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CHI00008	CHICAGO TRIBUNE	06/20/23	01	PUBLIC HEARING/PLAN COMMISSION	0125606590			06/26/23	172.62
									INVOICE TOTAL: 172.62
									VENDOR TOTAL: 172.62
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CHI00040	CHICAGO PARTS & SOUND, LLC	06/20/23	01	VEH#265/6- 12 OILS, 2 OIL FLTR	0122606700			06/26/23	82.38
									INVOICE TOTAL: 82.38
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3-0055854		06/15/23	01	VEH#268,269, 271 12 OILS	0122606700			06/26/23	101.40
									INVOICE TOTAL: 101.40
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3-0055888		06/15/23	01	VEH#268,269,271 2 CABIN FILTER	0122606700			06/26/23	52.00
									INVOICE TOTAL: 52.00

DATE: 06/20/23  
 TIME: 14:43:32  
 ID: AP441000.NOM

-- Village of Palos Park --  
 DETAIL BOARD REPORT

INVOICES DUE ON/BEFORE 06/26/2023

INVOICE #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
CHI00040 CHICAGO PARTS & SOUND, LLC								
3-0055970	06/15/23	01	VEH#262-HEADLIGHT	0122606700			06/26/23	28.44
			INVOICE TOTAL:					28.44
3-0056043	06/20/23	01	VEH#267-SNR, CNVRTR, GSKT, CLMP	0122606700			06/26/23	925.71
			INVOICE TOTAL:					925.71
			VENDOR TOTAL:					1,189.93
CHI00043 CHICAGO/LAND DIESEL SERVICES								
4726	06/15/23	01	#42 ENGINE REPAIRS	0124606700			06/26/23	1,428.95
			INVOICE TOTAL:					1,428.95
			VENDOR TOTAL:					1,428.95
CIN00001 CINTAS								
4158270084	06/20/23	01	TOWELS	0124606990			06/26/23	12.68
		02	UTILITY DEPT UNIFORM RNTL	5224707300				71.69
		03	PW UNIFORM RNTL	0124707300				89.58
			INVOICE TOTAL:					173.95
4158991906	06/20/23	01	MATS/TOWELS	0124606990			06/26/23	86.20
		02	UTILITY UNIFORM RENTAL	5224707300				76.60
		03	PW UNIFORM RENTAL	0124707300				94.74
			INVOICE TOTAL:					257.54
			VENDOR TOTAL:					431.49
CIN00002 CINTAS								
5162344242	06/15/23	01	PW GARAGE/ORGANIZE OF CABINET	0127936711			06/26/23	12.45
			INVOICE TOTAL:					12.45
			VENDOR TOTAL:					12.45
CIT00007 CITI CARDS								
1042000314	06/15/23	01	SUMMER CAMP SUPPLIES	0126707522			06/26/23	73.62
			INVOICE TOTAL:					73.62

DATE: 06/20/23  
 TIME: 14:43:32  
 ID: AP441000.WOM

-- Village of Palos Park --  
 DETAIL BOARD REPORT

INVOICES DUE ON/BEFORE 06/26/2023

INVOICE #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
CIT00007 CITI CARDS								
230515	06/15/23	01	ILCMA MBRSH 2023	0120606810			06/26/23	421.25
								INVOICE TOTAL:
								421.25
								VENDOR TOTAL:
								494.87
CON00010 CONCENTRIC INTERGRATION LLC								
0246619	06/15/23	01	UPDT ANNU LICNSNG & SFTWR/SCADA	5224606990			06/26/23	3,578.18
								INVOICE TOTAL:
								3,578.18
								VENDOR TOTAL:
								3,578.18
COO0001 G COOPER OIL COMPANY INC								
34895	06/15/23	01	55 GAL DRUM OIL F/POLICE VHCLS	0122606700			06/26/23	690.78
								INVOICE TOTAL:
								690.78
34895A	06/20/23	01	UTILITY FLEET SUPREME OIL	5224707080			06/26/23	226.38
		02	UTILITY FLEET SUPREME OIL	5124707080				90.00
		03	PW FLEET SUPREME OIL	0124707080				460.00
								INVOICE TOTAL:
								776.38
783259	06/20/23	01	*UTILITY DIESEL FUEL*	5224707080			FY23/FY24	290.47
		02	*UTILITY DIESEL FUEL*	5124707080			FY23/FY24	785.35
		03	*PW DIESEL FUEL*	0124707080			FY23/FY24	1,613.72
								INVOICE TOTAL:
								2,689.54
784753	06/20/23	01	UTILITY DIESEL FUEL	5224707080			06/26/23	721.78
		02	UTILITY DIESEL FUEL	5124707080				490.00
		03	PW DIESEL FUEL	0124707080				1,817.66
								INVOICE TOTAL:
								3,029.44
								VENDOR TOTAL:
								7,186.14

COO00012 COOK COUNTY CLERK

29105312023 06/15/23 01 ROL 8404 123RD FLYNN 0120606570 06/26/23 88.00

DATE: 06/20/23  
 TIME: 14:43:32  
 ID: AP441000.MOW

-- Village of Palos Park --  
 DETAIL BOARD REPORT

INVOICES DUE ON/BEFORE 06/26/2023

INVOICE #	VENDOR #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
-----									
COO00012		COOK COUNTY CLERK							
29105312023		06/15/23	02	ROL 8404 123RD FLYNN	0120606570			06/26/23	88.00
									INVOICE TOTAL: 176.00
									VENDOR TOTAL: 176.00
-----									
COO00019		COOK COUNTY ETSB							
MARAPMAY2023		06/20/23	01	*MAR/APR2023 DISPATCH*	0122606800			FY23/FY24 06/26/23	9,883.37
			02	MAY2023 DISPATCH	0122606800				INVOICE TOTAL: 9,764.75
									VENDOR TOTAL: 19,647.12
-----									
COM00002		DENISE COWAN							
230615		06/15/23	01	REIMB F/FLOWERS AT 93RDE123RD	2624707990			06/26/23	74.64
									INVOICE TOTAL: 74.64
									VENDOR TOTAL: 74.64
-----									
CRO00009		CROWN TROPHY							
46191		06/15/23	01	ADDITIONAL MEDALS F/DOGGIE DSH	0132707001			06/26/23	56.85
			02	CUSTOM NYLAR F/MEDALS	0132707001				INVOICE TOTAL: 3.00
									VENDOR TOTAL: 59.85
-----									
DAV00004		DAV-COM ELECTRIC, INC							
206178		06/20/23	01	ELECTRICAL SERV CALL/PRK FNTN	0127926712			06/26/23	270.00
									INVOICE TOTAL: 270.00
									VENDOR TOTAL: 270.00
-----									
DYN00004		DYNEGY ENERGY SERVICES							
373517823061		06/15/23	01	MTRRA ELECTRIC 4/28-5/29/23	5324606400			06/26/23	194.60
									INVOICE TOTAL: 194.60

DATE: 06/20/23  
 TIME: 14:43:32  
 ID: AP441000.MOM

-- Village of Palos Park --  
 DETAIL BOARD REPORT

INVOICES DUE ON/BEFORE 06/26/2023

INVOICE #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
DYN00004	06/15/23	01	METRA ELECTRIC 4/28-5/29/23	5324606400			06/26/23	33.44
INVOICE TOTAL:								33.44
VENDOR TOTAL:								228.04
EBE0001	06/20/23	01	MOP, PPR FWL, BLCH, SPRINKLR	5224606711			06/26/23	54.11
INVOICE TOTAL:								54.11
VENDOR TOTAL:								54.11
ENT0002	06/20/23	01	RETIRED BADGE/CAMPBELL	0122707300			06/26/23	217.00
INVOICE TOTAL:								217.00
VENDOR TOTAL:								217.00
FUL0001	06/20/23	01	MAY2023 CAR WASHES	0122606700			06/26/23	465.00
INVOICE TOTAL:								465.00
VENDOR TOTAL:								465.00
G&H00001 G & H IMPORT AUTO PARTS INC.								
852966	06/20/23	01	VEH#257-INTERSTATE BATTERY	0122606700			06/26/23	161.09
INVOICE TOTAL:								161.09
852978	06/20/23	01	VEH#265- 2 BRK ROTOS, 1 PAD ST	0122606700			06/26/23	240.44
INVOICE TOTAL:								240.44
853126	06/15/23	01	VEH#261-2 BATTERIES	0122606700			06/26/23	332.18
INVOICE TOTAL:								332.18
VENDOR TOTAL:								733.71
GEK00001 G.E. KLOOS MATERIAL CO.								

DATE: 06/20/23  
 TIME: 14:43:32  
 ID: AP441000.WOW

-- Village of Palos Park --  
 DETAIL BOARD REPORT

INVOICES DUE ON/BEFORE 06/26/2023

INVOICE #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
-----								
GKR00001 G.E. KLOOS MATERIAL CO.								
S07656	06/20/23	01	DRAINAGE/9955 W 125TH STREET	2328848020			06/26/23	252.45
								INVOICE TOTAL: 252.45
								VENDOR TOTAL: 252.45
-----								
HRG00001 HR GREEN, INC								
162904	06/20/23	01	*APR2023 PLN RVW, INTR, MLG*	0125606600			06/26/23	238.75
		02	*APR2023 INSPECTIONS*	0125606630			06/26/23	2,220.00
								FY23/FY24 INVOICE TOTAL: 2,458.75
163853	06/20/23	01	MAY2023 PLAN REV/INTAKE/MILEAG	0125606600			06/26/23	1,211.25
		02	MAY2023 INSPECTIONS	0125606630			06/26/23	3,159.35
								INVOICE TOTAL: 4,370.60
								VENDOR TOTAL: 6,829.35
-----								
ILL00044 ILLINOIS STATE POLICE								
20230506363	06/20/23	01	GREAT LAKES BEER & BOURBON LIC	0120606990			06/26/23	71.50
								INVOICE TOTAL: 71.50
								VENDOR TOTAL: 71.50
-----								
INT00019 INTERSTATE BILLING SERVICE,								
3032802095	06/20/23	01	ENGINE BELL HSNR REPLCMT PART	01244606700			06/26/23	2,998.90
								INVOICE TOTAL: 2,998.90
30328633679	06/20/23	01	TAG#2 IHC DUMP/CAB FLOOR PRTS	01244606700			06/26/23	303.61
								INVOICE TOTAL: 303.61
3032890662	06/15/23	01	TAG#2 IHC DUMP/BOLTS	01244606700			06/26/23	110.88
								INVOICE TOTAL: 110.88
								VENDOR TOTAL: 3,413.39

KAR00008 NICHOLAS W KARAS

DATE: 06/20/23  
 TIME: 14:43:32  
 ID: AP441000.WOW

-- Village of Palos Park --  
 DETAIL BOARD REPORT

INVOICES DUE ON/BEFORE 06/26/2023

INVOICE #	VENDOR #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
KAR00008 NICHOLAS W KARAS									
230503		06/20/23	01	ADJUDICATION 05/03/23	0122606540			06/26/23	400.00
				INVOICE TOTAL:					400.00
230607		06/20/23	01	ADJUDICATION 06/07/23	0122606540			06/26/23	400.00
				INVOICE TOTAL:					400.00
				VENDOR TOTAL:					800.00
KFI00001 K-FIVE CONSTRUCTION									
2207706		06/20/23	01	2022 ROADWY DRAINAGE/VAR STRTS	2524808060			06/26/23	103,676.27
				INVOICE TOTAL:					103,676.27
				VENDOR TOTAL:					103,676.27
KLE0001 KLEIN, THORPE, AND JENKINS LTD									
230607		06/20/23	01	LEGAL FEES/MAY 2023	0120606540			06/26/23	2,302.50
			02	LEGAL FEES/MAY2023 GLENEAGLES	0120606540				202.50
			03	LEGAL FEES MAY 2023	0121606540				135.00
			04	LEGAL FEES MAY 2023	0122606540				1,042.50
			05	LEGAL FEES MAY 2023	0125606540				495.00
			06	LEGAL FEES MAY 2023	5224606540				427.50
				INVOICE TOTAL:					4,605.00
				VENDOR TOTAL:					4,605.00
KRU00006 KRUPSKE SPRINKLER									
19642690		06/20/23	01	VILLAGE GREEN SPRINKLER SYSTEM	0128868110			06/26/23	1,450.00
				INVOICE TOTAL:					1,450.00
24368437		06/20/23	01	VILLAGE GREEN SPRINKLER SYSTEM	0128868110			06/26/23	10,090.00
				INVOICE TOTAL:					10,090.00
				VENDOR TOTAL:					11,540.00
KUS00001 KUSTOM SIGNALS, INC.									

DATE: 06/20/23  
 TIME: 14:43:32  
 ID: AP441000.WOW

-- Village of Palos Park --  
 DETAIL BOARD REPORT

INVOICES DUE ON/BEFORE 06/26/2023

INVOICE #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
-----								
KUS00001	KUSTOM SIGNALS, INC.							
603538	06/15/23	01	VEH#272-RADAR UNIT FOR NEW CAR	0128828030			06/26/23	1,564.66
								1,564.66
								VENDOR TOTAL: 1,564.66
LIND00001 LINDAHL BROTHERS, INC								
A-25077	06/20/23	01	EMLSN&N50 SRFC/HT PTCH RPRS	2328848060			06/26/23	788.58
								788.58
								VENDOR TOTAL: 788.58
LIND00003 LINDE GAS & EQUIPMENT INC								
35941460	06/15/23	01	WELDING GAS AND SUPPLIES	0124707990			06/26/23	144.49
								144.49
								VENDOR TOTAL: 144.49
MAR00050 MARTIN MECHANICAL CORPORATION								
22340L-1	06/20/23	01	PRTTRDG LFT STAT-CONCRT PADDENRT	5124808011			06/26/23	29,325.00
								29,325.00
								VENDOR TOTAL: 29,325.00
MEN00005 MENARDS								
22893	06/20/23	01	*#51 GRSSHPPR MWR SPRY PAINT*	0124606708			FY23/FY24 06/26/23	6.98
		02	*PW SMALL EQUIPMENT*	2328808010			FY23/FY24	563.34
							INVOICE TOTAL:	570.32
23340	06/20/23	01	MTL&PSTS F/CNTNML PRK SHDW BXS	0127956780			06/26/23	184.88
								184.88
								INVOICE TOTAL: 184.88
23341/23356	06/20/23	01	ADJUSTBL NZZLE, RBRR WASHERS	0124606708			06/26/23	11.77
		02	CAR CHARGER/CREDIT	0124606700				7.99
								19.76
								INVOICE TOTAL: 19.76

DATE: 06/20/23  
 TIME: 14:43:32  
 ID: AP441000.MOW

-- Village of Palos Park --  
 DETAIL BOARD REPORT

INVOICES DUE ON/BEFORE 06/26/2023

INVOICE #	VENDOR #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P. O. #	PROJECT	DUE DATE	ITEM AMT
MENARD'S									
23788		06/20/23	01	OPERATING EQUIPMENT	0124606708			06/26/23	19.05
				INVOICE TOTAL:					19.05
25209		06/20/23	01	GLCR WTR/DIVRY DLYD 3 DAYS	0124707990			06/26/23	10.44
			02	RPR HRDWR/NUTS & BOLTS	0124606708				15.76
			03	PW WATER SOFTENER	0127936711				53.88
				INVOICE TOTAL:					80.08
25674		06/20/23	01	EQUIPMENT # & TOOLS	0124606708			06/26/23	23.43
			02	METRA STATION SEPTIC	5324707990				32.22
				INVOICE TOTAL:					55.65
				VENDOR TOTAL:					929.74
MONROE TRUCK EQUIPMENT, INC.									
341247		06/15/23	01	TRIP ROD 10' ADY, STD SKV, YK	0124606700			06/26/23	451.58
				INVOICE TOTAL:					451.58
				VENDOR TOTAL:					451.58
MOTOROLA SOLUTIONS, INC									
8281637136		06/15/23	01	VEH#272 FRONT CAMERA	0128828030			06/26/23	400.00
				INVOICE TOTAL:					400.00
				VENDOR TOTAL:					400.00
NAPBELTON FORD									
1314449		06/15/23	01	VEH#262-A/C CMPRSSR & VLV ASY	0122606700			06/26/23	551.49
				INVOICE TOTAL:					551.49
				VENDOR TOTAL:					551.49
NEWPORT DENNIS NEWPORT									
230614		06/20/23	01	*TAI CHI#503.23*	0126606991			FY23/FY24 06/26/23	637.50
				INVOICE TOTAL:					637.50
				VENDOR TOTAL:					637.50

DATE: 06/20/23  
 TIME: 14:43:32  
 ID: AP441000.WOW

-- Village of Palos Park --  
 DETAIL BOARD REPORT

INVOICES DUE ON/BEFORE 06/26/2023

VENDOR #	INVOICE #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
NIC0001	NICOR GAS								
	230602	06/15/23	01	GAS SERVICE 5/3-6/1/23	0130606410			06/26/23	53.15
								INVOICE TOTAL:	53.15
	230602A	06/15/23	01	GAS SERVICE 5/3-6/2/23	0127936410			06/26/23	58.09
								INVOICE TOTAL:	58.09
	230602B	06/15/23	01	GAS SERVICE 5/3-6/2/23	0127936410			06/26/23	153.08
								INVOICE TOTAL:	153.08
	230602D	06/20/23	01	12410 91ST 5/3-6/2/23	5124606410			06/26/23	51.91
								INVOICE TOTAL:	51.91
	230605	06/15/23	01	133 FOREST EDGE 5/4-6/5/23	5124606400			06/26/23	53.24
								INVOICE TOTAL:	53.24
	230605A	06/15/23	01	12222 S WILL COOK 5/4-6/5/23	5124606410			06/26/23	169.83
								INVOICE TOTAL:	169.83
	230605C	06/15/23	01	40 RAMSGATE 5/4-6/5/23	5124606410			06/26/23	54.64
								INVOICE TOTAL:	54.64
	230606	06/15/23	01	10057W 125TH 5/5-6/6/23	5224606410			06/26/23	169.96
								INVOICE TOTAL:	169.96
	230607	06/15/23	01	KAC GAS 5/8-6/6/23	0127916410			06/26/23	396.32
								INVOICE TOTAL:	396.32
								VENDOR TOTAL:	1,160.22
NOR00007 NORTH EAST MULTI-REGIONAL									
	328071	06/20/23	01	CYBR BILLING, SKTNG INV/MARAMO	0122606810			06/26/23	80.00
								INVOICE TOTAL:	80.00
								VENDOR TOTAL:	80.00

PEG00002 P & G KEENE

DATE: 06/20/23  
 TIME: 14:43:32  
 ID: AP441000.WOW

-- Village of Palos Park --  
 DETAIL BOARD REPORT

INVOICES DUE ON/BEFORE 06/26/2023

INVOICE #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
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PEG00002 P & G KEENE

229537	06/20/23	01	#2 STARTER RPLCMT PART	0124606700			06/26/23	364.27
								INVOICE TOTAL: 364.27
								VENDOR TOTAL: 364.27

PAL0003 PALOS FIRE PROTECTION DISTRICT

230608	06/15/23	01	CBR CLASS (BUS PROVIDER)	0126606810			06/26/23	120.00
								INVOICE TOTAL: 120.00
								VENDOR TOTAL: 120.00

PEE00001 PEEBLESS NETWORK, INC

25633	06/15/23	01	708-923-6021 6/15-7/14/23	5224707200			06/26/23	189.79
		02	T-1 LINE 6/15-7/14/23	0120707200				323.29
		03	T-1 LINE 6/15-7/14/23	0122707200				252.57
		04	T-1 LINE 6/15-7/14/23	0124707200				121.23
		05	T-1 LINE 6/15-7/14/23	0125707200				80.82
		06	T-1 LINE 6/15-7/14/23	0126707200				40.41
		07	T-1 LINE 6/15-7/14/23	0129707200				40.41
		08	T-1 LINE 6/15-7/14/23	5124707200				111.13
		09	T-1 LINE 6/15-7/14/23	5224707200				592.39
		10	ISDN LINE 6/15-7/14/23	0120707200				63.51
		11	RECREATION 6/15-7/14/23	0126707200				1,855.96
								INVOICE TOTAL: 1,855.96
								VENDOR TOTAL: 1,855.96

PIT00002 PIT STOP

PS535912	06/15/23	01	HANDICAP RESTROOM/VILL GREEN	0127976990			06/26/23	100.00
		02	HNDCE RESTROOM/CENTENNIAL	0127956990				83.00
		03	FUEHL/ENVIRONMENTAL FEE	0127956990				8.30
		04	2 STD, 1 HC, 1 HW	0132606990				475.00
		05	FUEHL/ENVIRONMENTAL FEE	0132606990				57.50
								INVOICE TOTAL: 723.80
								VENDOR TOTAL: 723.80

DATE: 06/20/23  
 TIME: 14:43:32  
 ID: AP441000.WOW

-- Village of Palos Park --  
 DETAIL BOARD REPORT

INVOICES DUE ON/BEFORE 06/26/2023

INVOICE #	VENDOR #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
PIZZO AND ASSOCIATES, LTD									
1577-2		06/20/23	01	*BURM AT PUMPING STATION*	5224606990				
									1,950.00
									1,950.00
									1,950.00
PLA00006 PATRICIA PLAHM									
2004439.002		06/20/23	01	REFUND YOUTH BALL-TREY	0106353504				
									106.00
									106.00
									106.00
PRE00008 PRECISION AUTOCRAFT									
69310223		06/20/23	01	*VEH#243-RPRD & RPNTD HOOD	0122606700				
									475.00
									475.00
									475.00
PRO00013 PRODUCTION DISTRIBUTION									
0082635-IN		06/20/23	01	METRA LIGHT EXTR REPLCMNT LMP5	5324707990				
									181.20
									181.20
									181.20
PRO00015 PROVEN OCCUPATIONAL HEALTH									
108-2493498		06/20/23	01	PHYSICAL/LACAPRUCCIA, PIRCHONSK	0122707920				
									230.00
									230.00
									230.00
108-2511613		06/20/23	01	HABEM PHYSICAL & DRUG SCREEN	5224707920				
			02	BERG PHYSICAL & DRUG SCREEN	0124707920				121.00
			03	BUJAK PHYSICAL & DRUG SCREEN	0120707920				121.00
									363.00
									593.00
QUA00003 QUALITY TRANSMISSION									

DATE: 06/20/23  
 TIME: 14:43:32  
 ID: AP441000.WOW

-- Village of Palos Park --  
 DETAIL BOARD REPORT

INVOICES DUE ON/BEFORE 06/26/2023

INVOICE #	VENDOR #	INVOICE DATE	ITEM #	DESCRIPTION	ACCDUNT #	P. O. #	PROJECT	DUE DATE	ITEM AMT
QUA00003 QUALITY TRANSMISSION									
8264		06/15/23	01	TAG#2 IHC DUMP/TRANS BELL HSNQ	01224606700			06/26/23	790.00
									INVOICE TOTAL: 790.00
									VENDOR TOTAL: 790.00
QUT0002 QUILL CORPORATION									
32840406		06/20/23	01	STPLR, SPNS, PNS, TSS, LYSL, WP	0122707010			06/26/23	129.64
									INVOICE TOTAL: 129.64
32853558		06/15/23	01	PENS	0122707010			06/26/23	8.29
									INVOICE TOTAL: 8.29
									VENDOR TOTAL: 137.93
RAY0001 RAY O'HERRON CO., INC.									
2273649		06/20/23	01	ARMOUR VESTS/3	0122707300			06/26/23	2,415.00
									INVOICE TOTAL: 2,415.00
2277164		06/20/23	01	U/A KOTSIANIS HISTR, CRRR, POUCH	0122707300			06/26/23	98.39
									INVOICE TOTAL: 98.39
									VENDOR TOTAL: 2,513.39
RIZ00001 JOE RIZZA									
440285		06/20/23	01	TAG#250-FORD CROWN VIC	01224606700			06/26/23	31.38
									INVOICE TOTAL: 31.38
440443		06/20/23	01	2 JET KITS/POLICE STOCK	0122606700			06/26/23	16.36
									INVOICE TOTAL: 16.36
									VENDOR TOTAL: 47.74
RIZ00002 RIZZA									
ZZCS650807		06/20/23	01	VEH#267-AC SYSTEM FIX	0122606700			06/26/23	1,791.37
									INVOICE TOTAL: 1,791.37
									VENDOR TOTAL: 1,791.37

DATE: 06/20/23  
 TIME: 14:43:32  
 ID: AP441000.WOW

-- Village of Palos Park --  
 DETAIL BOARD REPORT

INVOICES DUE ON/BEFORE 06/26/2023

INVOICE #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
ROS0001	ROSOCOE							
1799979	06/15/23	01	METRA FLR MAT CLING & ENTL FEE	5324606710			06/26/23	78.11
								INVOICE TOTAL: 78.11
1799980	06/20/23	01	MATS/KAPTUR	0127916710			06/26/23	231.72
								INVOICE TOTAL: 231.72
1801869	06/20/23	01	METRA FLOOR MAT SERVICE	5324606710			06/26/23	78.11
								INVOICE TOTAL: 78.11
1801870/C1800887	06/20/23	01	KAC FLOOR MATS/CRECI	0127916710			06/26/23	216.96
								INVOICE TOTAL: 216.96
1801871	06/20/23	01	MATS/REC 06/15/23	0127926710			06/26/23	40.60
								INVOICE TOTAL: 40.60
								VENDOR TOTAL: 645.50
SHA00016	SHARK SHREDDING, INC							
62165	06/15/23	01	MONTHLY SHREDDING/JUNE2023	0122606990			06/26/23	46.20
								INVOICE TOTAL: 46.20
								VENDOR TOTAL: 46.20
SHR00010	SHRRWIN-WILLIAMS							
2635-6	06/15/23	01	PD OFF & ADMIN WALLS/PAINTRESPP	0127916711			06/26/23	335.36
								INVOICE TOTAL: 335.36
								VENDOR TOTAL: 335.36
SIG00002	SIGNS UNLIMITED							
1013	06/20/23	01	#69 LOGOS AMER FLAG&# OF TRUCK	0124606700			06/26/23	175.00
								INVOICE TOTAL: 175.00
								VENDOR TOTAL: 175.00

SOU00022 SOUTHWEST REGIONAL PUBLISHING

DATE: 06/20/23  
 TIME: 14:43:32  
 ID: AP441000.MOM

-- Village of Palos Park --  
 DETAIL BOARD REPORT

INVOICES DUE ON/BEFORE 06/26/2023

INVOICE #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
SOU00022 SOUTHWEST REGIONAL PUBLISHING								
23-1356	06/20/23	01	GRADUATION INSERTION	0121707990			06/26/23	189.00
			INVOICE TOTAL:					189.00
			VENDOR TOTAL:					189.00
SUB00002 SUBURBAN TRUCK PARTS								
155818	06/20/23	01	*#45,51,68 GRSHPR MWRS-DECALS*	0124606708			06/26/23	4.26
			INVOICE TOTAL:					4.26
160762	06/15/23	01	TAG#2 IHC DUMP/CAB FLR RPR PRT	0124606700			06/26/23	57.11
			INVOICE TOTAL:					57.11
161099	06/20/23	01	TAG#2 IHC DUMP/SYN GARD ATF	0124606700			06/26/23	127.02
			INVOICE TOTAL:					127.02
161154	06/20/23	01	TAG#2 IHC DUMP/CLAVIS ROD	0124606700			06/26/23	37.50
			INVOICE TOTAL:					37.50
			VENDOR TOTAL:					225.89
TIR0001 TIRE SERVICES COMPANY								
276398	06/20/23	01	VEH#262-FLAT TIRE REPAIR	0122606700			06/26/23	23.95
			INVOICE TOTAL:					23.95
276540	06/15/23	01	VEH#266-FLAT TIRE REPAIR	0122606700			06/26/23	23.95
			INVOICE TOTAL:					23.95
			VENDOR TOTAL:					47.90
TOS00001 TOSCAS LAW GROUP								
230607	06/20/23	01	ADJUDICATION 06/07/23	0122606540			06/26/23	450.00
			INVOICE TOTAL:					450.00
			VENDOR TOTAL:					450.00

TRA0001 TRAFFIC CONTROL & PROTECTION

DATE: 06/20/23  
 TIME: 14:43:32  
 ID: AP441000.WOM

-- Village of Palos Park --  
 DETAIL BOARD REPORT

INVOICES DUE ON/BEFORE 06/26/2023

INVOICE #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT	
TRA0001 TRAFFIC CONTROL & PROTECTION									
114979	06/20/23	01	STREET SIGN REPLACEMENT	2328848060			06/26/23	156.10	
								INVOICE TOTAL:	156.10
								VENDOR TOTAL:	156.10
UMI00006 UNITED RADIO COMMUNICATIONS									
103007447-1	06/15/23	01	VEH#272-VHF, ANTENNA, CBL, ADPTR,	0128828030			06/26/23	547.95	
								INVOICE TOTAL:	547.95
								VENDOR TOTAL:	547.95
VAR00002 VARDAL SURVEY SYSTEMS, INC.									
90669	06/15/23	01	SURVEY GREEN FLAGS F/STORM	0124606645			06/26/23	92.25	
								INVOICE TOTAL:	92.25
								VENDOR TOTAL:	92.25
VER00001 VERIZON WIRELESS									
9936154126	06/20/23	01	FINANCE DEPT IPAD 5/2-6/1/23	0129707210			06/26/23	62.73	
		02	WATER DEPT 5/2-6/12/23	5224707210				177.34	
		03	SEWER DEPT 5/2-6/1/23	5124707210				177.34	
		04	RBC DEPT 5/2-6/1/23	0126707210				171.43	
		05	BUILDING DEPT 5/2-6/1/23	0125707210				82.85	
		06	PUBLIC WORKS 5/2-6/1/23	0124707210				539.89	
		07	POLICE 5/2-6/1/23	0122707210				443.01	
		08	COUNCIL 5/2-6/1/23	0121707990				36.01	
		09	ADMIN 5/2-6/1/23	0120707210				42.16	
								INVOICE TOTAL:	1,732.76
9936728631	06/15/23	01	05/09-06/08/23	5224707210			06/26/23	92.19	
								INVOICE TOTAL:	92.19
								VENDOR TOTAL:	1,824.95

VUL00001 VULCAN CONSTRUCTION MTLIS LLC

DATE: 06/20/23  
TIME: 14:43:33  
ID: AP441000.MCW

-- Village of Palos Park --  
DETAIL BOARD REPORT

PAGE: 19

INVOICES DUE ON/BEFORE 06/26/2023

INVOICE #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
33276343	06/20/23	01	CA-7 BEDDING STONE	5224606750			06/26/23	1,286.35
		02	3"-1" STONE	2424707700				598.71
INVOICE TOTAL:								1,885.06
VENDOR TOTAL:								1,885.06
TOTAL ALL INVOICES:								261,707.20

VUL00001 VULCAN CONSTRUCTION MTLs LLC

INVOICES DUE ON/BEFORE 06/26/2023

VENDOR #	NAME	PAID THIS FISCAL YEAR	AMOUNT DUE
-----			
GENERAL FUND			
06	RECREATION DEPT		
PLA00006	PATRICIA PLAHM		106.00
	RECREATION DEPT		106.00
20	ADMINISTRATION DEPARTMENT		
BAL00007	B ALLAN GRAPHICS	2,295.00	50.00
BOY00004	LISA BOYLE	100.00	100.00
CIT00007	CITI CARDS	1,321.74	421.25
COO00012	COOK COUNTY CLERK	161.00	176.00
ILL00044	ILLINOIS STATE POLICE		71.50
KLE0001	KLEIN, THORPE, AND JENKINS LTD	2,895.00	2,505.00
PEE00001	PEERLESS NETWORK, INC	1,856.51	915.68
PRO00015	PROVEN OCCUPATIONAL HEALTH	384.00	121.00
VER00001	VERIZON WIRELESS	1,466.61	42.16
	ADMINISTRATION DEPARTMENT		4,402.59
21	PUBLIC AFFAIRS DEPARTMENT		
KLE0001	KLEIN, THORPE, AND JENKINS LTD	2,895.00	135.00
SOU00022	SOUTHWEST REGIONAL PUBLISHING		189.00
VER00001	VERIZON WIRELESS	1,466.61	36.01
	PUBLIC AFFAIRS DEPARTMENT		360.01
22	POLICE DEPARTMENT		
ACC00002	ACCURINT	33.00	30.00
AMA00004	AMAZON CAPITAL SERVICES	589.47	123.84
BET00003	BETTENHAUSEN		1,748.12
CHI00040	CHICAGO PARTS & SOUND, LLC	1,412.11	1,189.93
COO0001	G COOPER OIL COMPANY INC		690.78
COO00019	COOK COUNTY ETSB		19,647.12
ENT0002	ENTENMANN-ROVIN CO.		217.00
FUL0001	FULLER'S CAR WASH	379.00	465.00
G&H00001	G & H IMPORT AUTO PARTS INC.	1,031.51	733.71
KAR00008	NICHOLAS W KARAS		800.00
KLE0001	KLEIN, THORPE, AND JENKINS LTD	2,895.00	1,042.50
NAP00002	NAPELTON FORD	311.34	551.49
NOR00007	NORTH EAST MULTI-REGIONAL	2,050.00	80.00

INVOICES DUE ON/BEFORE 06/26/2023

VENDOR #	NAME	PAID THIS FISCAL YEAR	AMOUNT DUE
-----			
GENERAL FUND			
22	POLICE DEPARTMENT		
PEE00001	PEERLESS NETWORK, INC	1,856.51	252.57
PRE00008	PRECISION AUTOCRAFT		475.00
PRO00015	PROVEN OCCUPATIONAL HEALTH	384.00	230.00
QUI0002	QUILL CORPORATION	69.99	137.93
RAY0001	RAY O'HERRON CO., INC.	2,468.22	2,513.39
RIZ00001	JOE RIZZA	111.73	16.36
RIZ00002	RIZZA	12.44	1,791.37
SHA00016	SHARK SHREDDING, INC	53.90	46.20
TIR0001	TIRE SERVICES COMPANY	608.35	47.90
TOS00001	TOSCAS LAW GROUP	450.00	450.00
VER00001	VERIZON WIRELESS	1,466.61	443.01
	POLICE DEPARTMENT		33,723.22
24	PUBLIC WORKS DEPARTMENT		
1ST00001	1ST AYD CORPORATION		154.19
ALS00002	ALSIP LAWMOWER REPAIR, INC.		60.00
BRA00008	BRAKE TEC, INC		1,906.00
CHI00043	CHICAGOLAND DIESEL SERVICES	284.70	1,428.95
CIN00001	CINTAS	1,595.26	283.20
COO0001	G COOPER OIL COMPANY INC		3,891.38
INT00019	INTERSTATE BILLING SERVICE,		3,413.39
LIN00003	LINDE GAS & EQUIPMENT INC		144.49
MEN00005	MENARDS	541.59	95.42
MON0002	MONROE TRUCK EQUIPMENT, INC.		451.58
P&G00002	P & G KEENE	197.00	364.27
PEE00001	PEERLESS NETWORK, INC	1,856.51	121.23
PRO00015	PROVEN OCCUPATIONAL HEALTH	384.00	121.00
QUA00003	QUALITY TRANSMISSION		790.00
RIZ00001	JOE RIZZA	111.73	31.38
SIG00002	SIGNS UNLIMITED		175.00
SUB00002	SUBURBAN TRUCK PARTS	1,499.87	225.89
VAR00002	VARDAL SURVERY SYSTEMS, INC.	320.45	92.25
VER00001	VERIZON WIRELESS	1,466.61	539.89
	PUBLIC WORKS DEPARTMENT		14,289.51
25	BUILDING DEPARTMENT		
CHI00008	CHICAGO TRIBUNE	124.50	172.62
HRG00001	HR GREEN, INC	9,071.25	6,829.35

INVOICES DUE ON/BEFORE 06/26/2023

VENDOR #	NAME	PAID THIS FISCAL YEAR	AMOUNT DUE
-----			
GENERAL FUND			
25	BUILDING DEPARTMENT		
KLE0001	KLEIN, THORPE, AND JENKINS LTD	2,895.00	495.00
PEE00001	PEERLESS NETWORK, INC	1,856.51	80.82
VER00001	VERIZON WIRELESS	1,466.61	82.85
	BUILDING DEPARTMENT		7,660.64
26	RECREATION DEPARTMENT		
CIT00007	CITI CARDS	1,321.74	73.62
NEW00008	DENNIS NEWPORT		637.50
PAL0003	PALOS FIRE PROTECTION DISTRICT		120.00
PEE00001	PEERLESS NETWORK, INC	1,856.51	103.92
VER00001	VERIZON WIRELESS	1,466.61	171.43
	RECREATION DEPARTMENT		1,106.47
27	PUBLIC GROUNDS		
1ST00001	1ST AYD CORPORATION		560.04
CAS00001	CASE LOTS, INC.		89.00
CIN00002	CINTAS	153.20	12.45
DAV00004	DAV-COM ELECTRIC, INC	1,680.00	270.00
MEN00005	MENARDS	541.59	238.76
NIC0001	NICOR GAS	2,653.65	607.49
PIT00002	PIT STOP	202.08	191.30
ROS0001	ROSCOE	783.14	489.28
SHE00010	SHERWIN-WILLIAMS	35.30	335.36
	PUBLIC GROUNDS		2,793.68
28	CAPITAL EXPENDITURE DEPARTMENT		
KRU00006	KRUPSKE SPRINKLER		11,540.00
KUS00001	KUSTOM SIGNALS, INC.	144.00	1,564.66
MOT00002	MOTOROLA SOLUTIONS, INC		400.00
UNI00006	UNITED RADIO COMMUNICATIONS		547.95
	CAPITAL EXPENDITURE DEPARTMENT		14,052.61
29	FINANCE DEPARTMENT		

ATE: 06/20/23  
 TIME: 14:43:51  
 D: AP443000.WOW

-- Village of Palos Park --  
 DEPARTMENT SUMMARY REPORT

INVOICES DUE ON/BEFORE 06/26/2023

VENDOR #	NAME	PAID THIS FISCAL YEAR	AMOUNT DUE
-----			
GENERAL FUND			
29	FINANCE DEPARTMENT		
PEE00001	PEERLESS NETWORK, INC	1,856.51	40.41
VER00001	VERIZON WIRELESS	1,466.61	62.73
	FINANCE DEPARTMENT		103.14
30	SLUIS PROPERTY		
NIC0001	NICOR GAS	2,653.65	53.15
	SLUIS PROPERTY		53.15
32	PALOS PARK FESTIVALS		
CRO00009	CROWN TROPHY	339.15	59.85
PIT00002	PIT STOP	202.08	532.50
	PALOS PARK FESTIVALS		592.35
SPECIAL EVENT FUND			
24	SPECIAL EVENT FUND		
ALT00005	ALLEN ALTIC	22.00	15.98
	SPECIAL EVENT FUND		15.98
.1/2% SALES TAX FUND			
28			
GEK00001	G.E. KLOOS MATERIAL CO.		252.45
LIN00001	LINDAHL BROTHERS, INC	305.33	788.58
MEN00005	MENARDS	541.59	563.34
TRA0001	TRAFFIC CONTROL & PROTECTION	1,249.55	156.10
			1,760.47
MFT FUND			
24	MFT FUND		
VUL00001	VULCAN CONSTRUCTION MTLs LLC	8,718.96	598.71
	MFT FUND		598.71

DATE: 06/20/23  
 TIME: 14:43:51  
 ID: AP443000.WOW

-- Village of Palos Park --  
 DEPARTMENT SUMMARY REPORT

PAGE: 5

INVOICES DUE ON/BEFORE 06/26/2023

VENDOR #	NAME	PAID THIS FISCAL YEAR	AMOUNT DUE
-----			
LOCAL MUNICIPAL GAS TAX FUND			
24	--- UNDEFINED CODE ---		
KFI00001	K-FIVE CONSTRUCTION	411,249.36	103,676.27
	--- UNDEFINED CODE ---		103,676.27
BEAUTIFICATION FUND			
24	BEAUTIFICATION FUND		
COW00002	DENISE COWAN	311.97	74.64
	BEAUTIFICATION FUND		74.64
SEWER FUND			
24	SEWER FUND		
AIR00001	AIRY'S INC.	64,508.70	8,978.38
COO0001	G COOPER OIL COMPANY INC		1,365.35
MAR00050	MARTIN MECHANICAL CORPORATION		29,325.00
NIC0001	NICOR GAS	2,653.65	329.62
PEE00001	PEERLESS NETWORK, INC	1,856.51	40.41
VER00001	VERIZON WIRELESS	1,466.61	177.34
	SEWER FUND		40,216.10
WATER FUND			
24	WATER FUND		
AIR00001	AIRY'S INC.	64,508.70	19,664.51
BAL00007	B ALLAN GRAPHICS	2,295.00	870.00
CAR0001	CARLSON ASPHALT COMPANY INC		5,445.00
CIN00001	CINTAS	1,595.26	148.29
CON00010	CONCENTRIC INTERGRATION LLC	363.46	3,578.18
COO0001	G COOPER OIL COMPANY INC		1,238.63
EBE0001	PALOS ACE HARDWARE	284.35	54.11
KLE0001	KLEIN, THORPE, AND JENKINS LTD	2,895.00	427.50
NIC0001	NICOR GAS	2,653.65	169.96
PEE00001	PEERLESS NETWORK, INC	1,856.51	300.92
PIZ00001	PIZZO AND ASSOCIATES, LTD		1,950.00
PRO00015	PROVEN OCCUPATIONAL HEALTH	384.00	121.00
VER00001	VERIZON WIRELESS	1,466.61	269.53
VUL00001	VULCAN CONSTRUCTION MTLs LLC	8,718.96	1,286.35
	WATER FUND		35,523.98

DATE: 06/20/23  
TIME: 14:43:51  
ID: AP443000.WOW

-- Village of Palos Park --  
DEPARTMENT SUMMARY REPORT

PAGE: 6

INVOICES DUE ON/BEFORE 06/26/2023

VENDOR #	NAME	PAID THIS FISCAL YEAR	AMOUNT DUE
-----			
COMMUTER LOT FUND			
24	COMMUTER LOT FUND		
DYN00004	DYNEGY ENERGY SERVICES	9,655.27	228.04
MEN00005	MENARDS	541.59	32.22
PRO00013	PRODUCTION DISTRIBUTION	75.00	181.20
ROS0001	ROSCOE	783.14	156.22
	COMMUTER LOT FUND		597.68
	TOTAL ALL DEPARTMENTS		261,707.20



**Village Council**

*Mayor Nicole Milovich-Walters*

*Village Clerk Marie Arrigoni*

*Commissioner G. Darryl Reed*

*Commissioner Dan Polk*

*Commissioner Mike Wade*

*Commissioner Rebecca Petan*

**Meeting of: June 26, 2023**

**7:30 PM**

**Kaptur Administrative Center**

**AGENDA MATTER:**

**ZBA CASE 2023-01:** An application has been filed requesting variations from the requirements of Section 1268.02(f) Side Yards and Section 1268.02(g) Rear Yards to permit the construction of a new single-family residence. Where the required corner side yard setback is 50 feet, the applicant is proposing a corner side yard setback of 36.15 feet. Where the required rear yard setback is 50 feet, the applicant is proposing a rear yard setback of 27.13 feet. The subject property is commonly known as 11500 S. Elbridge Avenue (also known as 85th Court) in Palos Park, IL.

**BACKGROUND:**

The subject property, commonly known as 11500 S. Elbridge (85th Court), is zoned R-1-A Single Family Residential and is currently vacant. The property consists of 4 separate parcels totaling 9,639 sf (0.22 ac) that the applicant will consolidate. While collectively the parcels would not comply with the 1-acre lot size (or required width) they would be considered “buildable” and lot size and width variances are *not* required.

The applicant is requesting corner side yard and rear yard variances to construct a new single-family dwelling. The applicant has stated that the variation requests have been made due to the shape of the lot and small lot area (see applicant submittal documents).

**STAFF RECOMMENDATION:**

The staff has reviewed the application and recommends approval of the requested variances due to the presence of unusual site conditions on the site (the size and shape of the property), that there is no alternative design that would completely comply with Code, and that the proposed single-family residence on a substandard size lot would not generally alter the character of the immediate area (which consists of single-family residences, many of the homes are on legal nonconforming lots).

**ZONING BOARD OF APPEALS RECOMMENDATION:**

The Zoning Board of Appeals (ZBA) held a public hearing and discussed the requested variances at its May 10, 2023 meeting. The applicant gave a presentation and responded to questions from the ZBA. A motion was made to recommend approval of the requested variances. The vote on the motion was two

(2) in favor and three (3) against. As such, the motion to approve the request was **denied** by the Zoning Board of Appeals.

At the May 22, 2023 Village Council meeting the Council referred ZBA Case 2023-01 back to the Zoning Board of Appeals for further consideration in order for the ZBA to make a findings of fact as per the requirements of the Village Code.

Subsequently, the Zoning Board of Appeals (ZBA) held a public hearing and discussed the requested variances at its June 14, 2023 meeting. The applicant gave a presentation and responded to questions from the ZBA. Three members from the public spoke regarding the petition, two against and one in favor. A motion was made to recommend **denial** of the requested variances. The vote on the motion was three (3) in favor and one (1) against. As such, the recommendation from the Zoning Board of Appeals is to **deny** the request. The ZBA members who were not in favor of the request did make a more substantial findings of fact, which have been made a part of the Transmittal of Recommendation (see attached).

Section 1264.08 of the Code states that the Village Council “may approve the variance, deny the variance or refer it back to the Board for further consideration” and that “any proposed variance which fails to receive a positive recommendation from the Board [Zoning Board of Appeals] shall not be approved by Council except by a favorable vote of at least two-thirds (2/3rds) of all the Commissioners.”

**RECOMMENDED MOTIONS:**

- I move to **deny** ZBA 2023-01; regarding variance requests for a 36.15’ corner side yard setback and a 27.13’ rear yard setback, instead of the required 50’ corner side yard setback and 50’ rear yard setback; as required by Sections 1268.02(f) and (g) of the Palos Park Village Code; to allow the construction of a new single-family residence on the property commonly known as 11500 S. Elbridge Avenue.

**OR**

- I move to **approve** ZBA 2023-01; regarding variance requests for a 36.15’ corner side yard setback and a 27.13’ rear yard setback, instead of the required 50’ corner side yard setback and 50’ rear yard setback; as required by Sections 1268.02(f) and (g) of the Palos Park Village Code; to allow the construction of a new single-family residence on the property commonly known as 11500 S. Elbridge Avenue, and to direct the Village Attorney to prepare the necessary Ordinance.

**Attachments:**

Transmittal of Recommendation

Proposed Site Plan

Staff Report to the Village of Palos Park Zoning Board of Appeals (June 2023)



**TO:** Mike Wade, Building Commissioner  
**MEETING DATE:** June 26, 2023 at 7:30 pm  
**FROM:** John Marsh, Chair  
**SUBJECT:** Transmittal of Zoning Board of Appeals Recommendation

### **PROJECT TITLE**

**ZBA CASE 2023-01:** An application has been filed requesting variations from the requirements of Section 1268.02(f) Side Yards and Section 1268.02(g) Rear Yards to permit the construction of a new single-family residence. Where the required corner side yard setback is 50 feet, the applicant is proposing a corner side yard setback of 36.15 feet. Where the required rear yard setback is 50 feet, the applicant is proposing a rear yard setback of 27.13 feet. The subject property is commonly known as 11500 S. Elbridge Avenue (also known as 85th Court) in Palos Park, IL.

### **PUBLIC HEARING**

The Zoning Board of Appeals held a public hearing and discussed the requested variances at its May 10, 2023 and June 14, 2023 meetings. The applicant gave a presentation and responded to questions from the ZBA. Three members from the public spoke regarding the petition, two against and one in favor.

### **RECOMMENDATION**

At the June 14, 2023 meeting a motion was made to recommend denial of the requested variances. The vote on the motion was three (3) in favor and one (1) against. As such, the Zoning Board of Appeals recommends denial of the requested variances.

### **FINDINGS OF FACT**

The following are findings of fact made during the June 14, 2023 Zoning Board of Appeals meeting, pursuant to Section 1264.07 (Report of Findings):

(a) Site Conditions:

The Zoning Board of Appeals finds that while the property may have a small size, a variance request should still meet the essential purposes of the Zoning Code, specifically as found in Sections 1260.02(d) ["to provide adequate light, air, privacy and convenience of access to property"] and 1260.02(m) ["to prevent the overcrowding of land and undue concentration of structures, so far as is possible and appropriate in each district, by regulating the use and bulk of buildings in relation to the land surrounding them"]. The ZBA also finds that the creation of the subject property was avoidable.

(b) Development Design:

The Zoning Board of Appeals acknowledges the findings of fact as to Development Design as found in the Staff Report. The finding from the Staff Report is as follows: *The construction of the new building would be permanent and therefore not serve any temporary convenience. It is not possible to construct any home on the property without some type of variance. If the applicant tried to meet the required setbacks, there would be an unusually shaped "buildable area" of only ~572 sf (see Figure 1 on page 2). The Village has a minimum dwelling size of 2,200 sf; so, a building of only 572*

*sf would not comply with the dwelling size provision. Further, if the applicant wished to meet the setbacks and minimum dwelling size the building would need to have 4 stories, which would not comply with the maximum building height. In short, there is no alternative development plan that would completely conform to the combination of the applicable setbacks, minimum dwelling size, and maximum height regulations.*

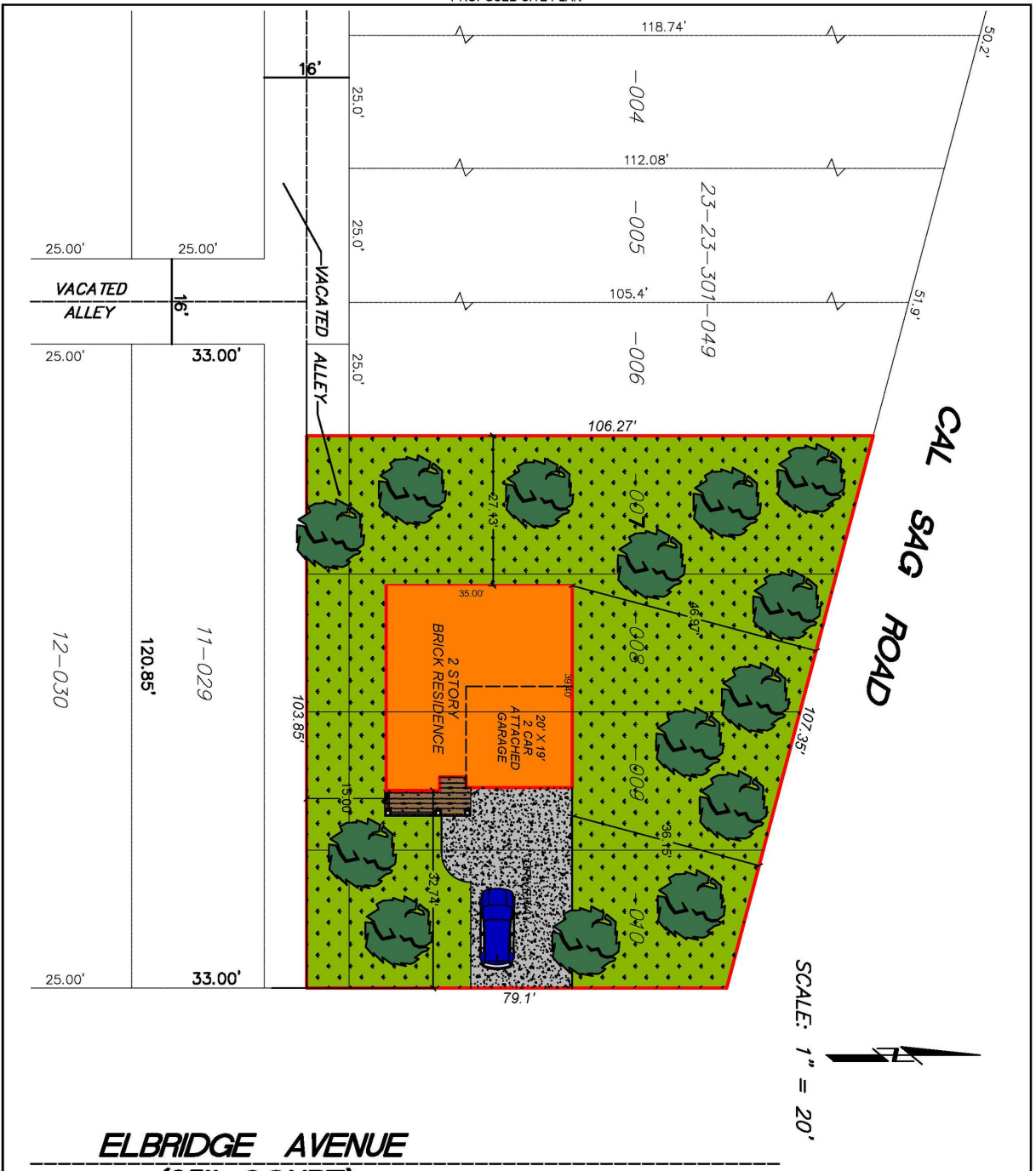
However, the ZBA also finds that granting the proposed variances would *not* be typical of similar properties in the area (the “area” being the entire Village of Palos Park, not just the square block the property is located in).

(c) Community Impact:

The Zoning Board of Appeals finds that the requested variances would not retain the essential character, scale, intensity of the area and would *not* be in harmony with the Zoning Code, and would be detrimental to adopted Village Plans. Additionally, it is noted that the trees and foliage on the subject property act as a noise and wind barrier for other existing homes in the area; and the ZBA has concerns with the number and sizes of trees being removed. The ZBA finds that the proposed variances would not retain the essential character of the Village of Palos Park, as stated in Section 1260.02(a) [“to promote and protect the public health, safety, morals, comfort and general welfare”]. Further, as pertaining to trees, the removal of multiple historic trees is unnecessary, and trees proposed to be saved near the proposed home and driveway would likely die within a few years due to unnecessary stress.

In addition, regarding the purposes of the Zoning Code per Section 1260.02 it is noted that the role of the Zoning Board of Appeals is to “protect the character and the stability of the residential, business and manufacturing areas within the Village and to guide the orderly and beneficial development of such areas” [1260.02(c)] and to “provide for the elimination of nonconforming uses of land, buildings and structures which are adversely affecting the character and value of desirable development in each district [1260.02(o)].

The Code also requires that the ZBA “look to, and make findings of fact in regard to, those factors set forth in Section 1260.05(b)(1) through (6) in regard to the requested variation.” Regarding these factors the ZBA notes a concern regarding (1) “existing uses of property within the general area of the property in question and (3) “the suitability of the property in question to the uses permitted under the existing and proposed classifications.”



**ELBRIDGE AVENUE**  
(85th COURT)

SCALE: 1" = 20'



PROPOSED BRICK & STONE 2-STORY SINGLE FAMILY RESIDENCE			
11500 S. ELBRIDGE AVENUE			
PIN # 23-23-301-006-000			
PIN # 23-23-301-008-000			
PIN # 23-23-301-009-000			
PIN # 23-23-301-010-000			
LOT AREA	PROPOSED	REQUIRED/ALLOWED	VARIANCE
9,675 S.F.	90.68'	EXISTING LOT	NONE
FRONT YARD SETBACK	32.74'	32.74'	NONE
CORNERSIDEYARD SETBACK	46.97/26.15'	50'	13.85'
SIDEYARD SETBACK (SOUTH)	19'	15'	NONE
REAR YARD SETBACK	27.13'	30'	22.87'
COMBINED SIDEYARDS	51.19'	50'	NONE
LOT COVERAGE	1,450 S.F. (15%)	1,923.4 S.F. (20%)	NONE
FLOOR AREA RATIO	(2.67% S.F.)	2,961 S.F. (23%)+750	NONE
HOUSE & GARAGE FOOTPRINT	1,389 S.F.		
GARAGE AREA	400 S.F.		
HOUSE LIVING AREA	2,208 S.F.		
COVERED FRONT PORCH AREA	80 S.F.		



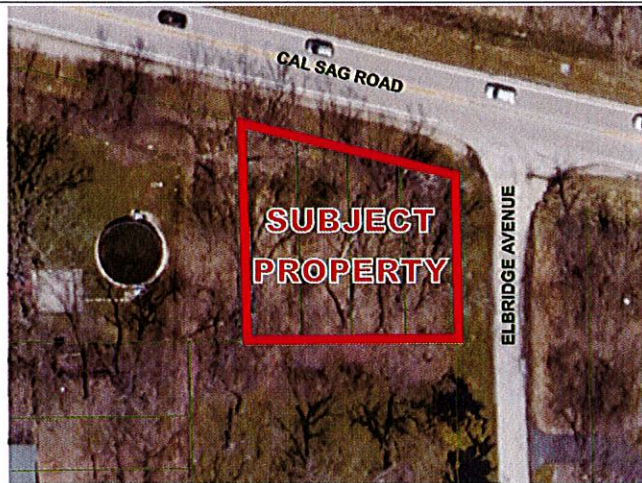
**Site Aerial**



**TO:** Village of Palos Park Zoning Board of Appeals  
**HEARING DATE:** June 14, 2023 at 7:30pm  
**FROM:** Building Department  
**SUBJECT:** Staff Report

**PROJECT INFORMATION**

**ZBA CASE 2023-01:** An application has been filed requesting variations from the requirements of Section 1268.02(f) Side Yards and Section 1268.02(g) Rear Yards to permit the construction of a new single-family residence. Where the required corner side yard setback is 50 feet, the applicant is proposing a corner side yard setback of 36.15 feet. Where the required rear yard setback is 50 feet, the applicant is proposing a rear yard setback of 27.13 feet. The subject property is commonly known as 11500 S. Elbridge Avenue (also known as 85th Court) in Palos Park, IL.



*On May 22, 2023 the Village Council referred this application back to the Zoning Board of Appeals for further consideration.*

**APPLICANT INFORMATION**

**PROPERTY OWNER AND APPLICANT:** Daniel Szkirpan  
 7156 W. 127<sup>th</sup> Street, Suite 294  
 Palos Heights, IL 60463

**PROPERTY INFORMATION**

PROPERTY SIZE:	EXISTING ZONING:	SURROUNDING ZONING AND LAND USES:	COMPREHENSIVE PLAN LAND USE DESIGNATION:
9,639 sf	R-1-A One Family Dwelling District	North: R-1-A One Family Dwelling District, vacant	Low Density Single-Family Residential
<b>ADDRESS:</b> 11500 S. Elbridge (85 <sup>th</sup> Court)	<b>EXISTING LAND USE:</b> Vacant	South: R-1-A One Family Dwelling District, Single Family Residence	
<b>PINs:</b> 23-23-301-007-0000 23-23-301-008-0000 23-23-301-009-0000 23-23-301-010-0000		East: R-1-A One Family Dwelling District, Single Family Residence	
		West: R-1-A One Family Dwelling District, Single Family Residence	

**PUBLIC COMMENT:** Staff has received no inquires or comments regarding the application. Three individuals spoke at the May public hearing; two generally opposed to the request and one in favor.

### BACKGROUND

The subject property, commonly known as 11500 S. Elbridge (also known as 85<sup>th</sup> Court), is zoned R-1-A Single Family Residential and is currently vacant. The applicant proposes to construct a new single-family dwelling with a 36.15' corner side yard setback instead of the required 50' corner side yard, and a 27.13' rear yard instead of the required 50' setback; as required by Sections 1268.02(f) and (g) of the Palos Park Village Code. As shown in Table 1, below, the proposed house complies with other applicable zoning requirements (see also Figure 1, graphically depicting the setbacks and resulting "buildable area"). The applicant has stated that the variation requests have been made due to the shape of the lot and small lot area (see applicant submittal documents). The applicant submitted revised plans since the May ZBA meeting, reversing the location of the attached garage.

	Requirement	Proposed
Lot Size	43,560 sf (1 ac)	9,639 sf
Lot Width	150 feet	90.68 feet
Setbacks/Yards		
Front (average of block)	32.74 feet	32.77 feet
Corner Side	50 feet	<b>36.15 feet</b> Revised plans ("placement exhibit") show <b>37.5'</b>
Side (greater of 15% or 15')	15 feet	15 feet
Rear	50 feet	<b>27.13 feet</b>
Total Side Yard	30 feet	51.15 feet
Side Load Garage Setback	30 feet	N/A
Floor Area Ratio (varies based on lot size)	23% (For lots of one-half acre or less in size, the floor area of the dwelling shall be reduced by 750 square feet.)	20%
Lot (Building) Coverage	20%	15%
Dwelling Size	2,200 sf minimum	2,208 sf

Table 1: Summary of Proposed Single-Family Residence with Applicable Zoning Requirements

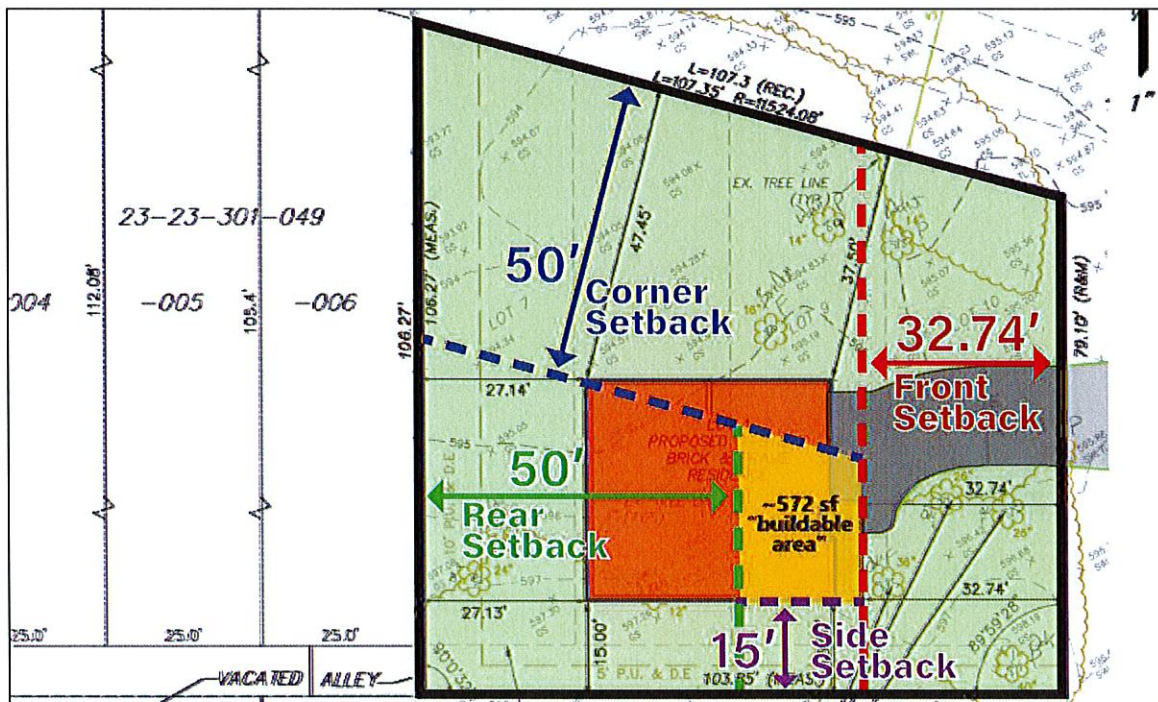


Figure 1: Required Setbacks and resulting "buildable area" (north is to the top)

**ADDITIONAL LOT SIZE AND WIDTH INFORMATION**

Staff had provided comment in the May 10, 2023 staff report to the Zoning Board of Appeals regarding lot size and width (see attached). Additional research has been done regarding the general area in which the subject property is located. The area north of 119<sup>th</sup> Street was not a part of the original incorporation of Palos Park in 1914. Annexation north of 119<sup>th</sup> began in the late 1960s and concluded in the 1980s (the subject property was annexed in 1986). As seen in Figure 2, below, the subject property is located in an area where a significant number of the nearby homes are on properties less than 1 acre (many of them also contain setback nonconformities). In fact, ~81% of the single-family zoned lots north of 119<sup>th</sup> Street and west of the Edelweiss and Brookside developments are less than 1 acre in size (~44% are less than a half-acre).

The subject property consists of four separate parcels that the applicant would consolidate. Each of the four parcels individually are legal regarding “lot dimensions and area” (lot width and size) per Code. This is because the parcels were created via a subdivision plat (Ernest Monthan’s Subdivision of Block 12 in Palos Highlands) in 1894. While each are significantly less than 1 acre, they were platted prior to July 10, 1952 (and prior to their annexation into the Village in 1986) therefore each of the four individual parcels are “buildable” per Code [1286.02(b)(1)]. The consolidation would take the four small parcels and create a larger parcel (“When any portion of an adjacent lot is used... or when two or more lots are used for such purpose, the person requesting the use shall submit a plat of consolidation showing the total area used as one zoning lot” [1286.02(c)]. In addition, since the adjacent properties are also smaller than 1 acre, the applicant cannot even attempt to purchase additional land from an adjacent property owners to create a larger lot (since it would increase the extent of the nonconforming lot size on the adjacent property).

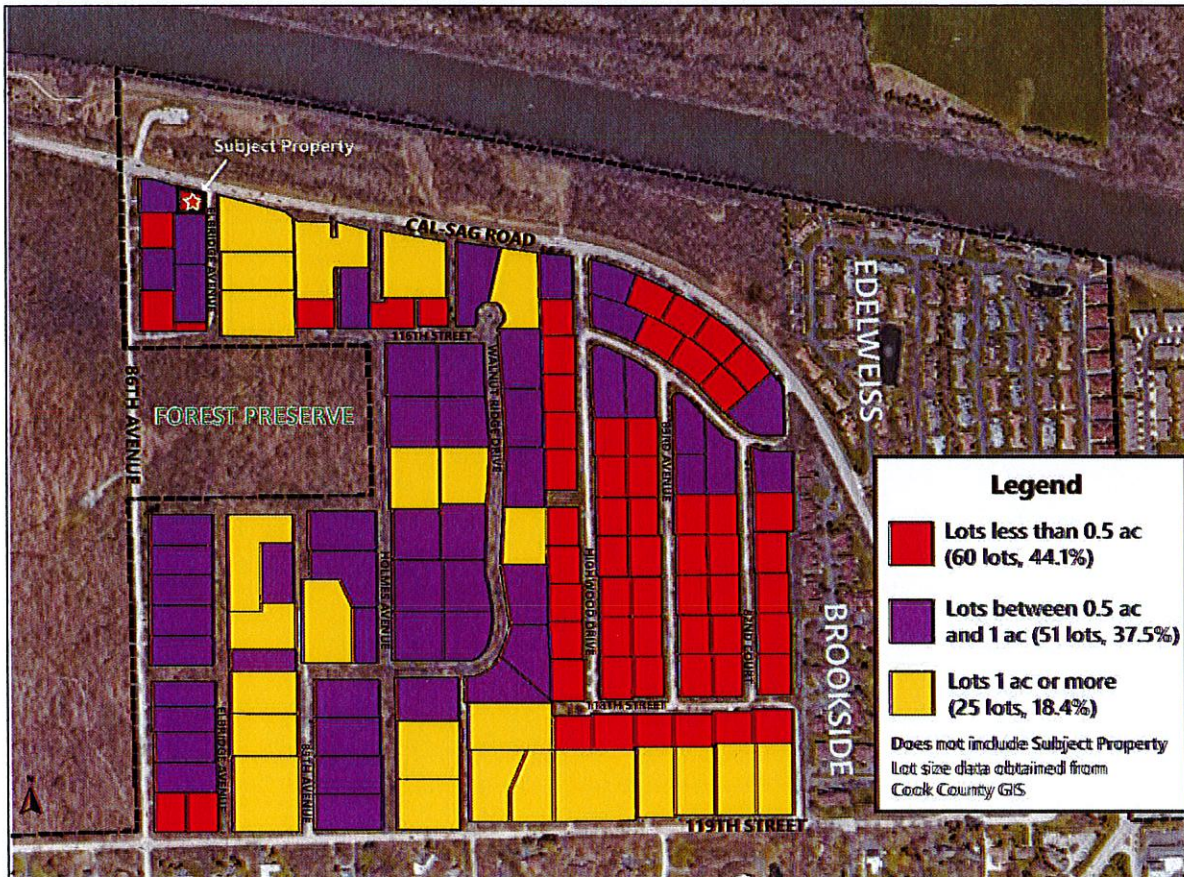


Figure 2: General lot sizes in area north of 119<sup>th</sup> Street (north is to the top)

### **REQUIRED FINDINGS OF FACT FOR VARIATIONS**

The Village Code *requires* that the Zoning Board of Appeals shall make a findings of fact regarding proposed variance(s) [Section 1264.07]. The entirety of these standards, with staff findings of fact, are attached to this staff report as **Exhibit 1: REPORT OF FINDINGS**.

### **PUBLIC NOTICE**

The Public Hearing notice was published in *The Daily Southtown* on April 24, 2023, in accordance with the Village Zoning Ordinance. At that time a sign was posted on the subject property, and the Village notified neighboring property owners within 350' of the subject property 15-30 days prior to the date of the hearing. At the May 22, 2023 Village Council meeting the Council referred the case back to the ZBA. As this was done via the Council's authority as found in Section 1254.08 no further notice is required.

### **STAFF RECOMMENDATION**

The staff has reviewed the application and recommends *approval* of the requested variances.

### **RECOMMENDED MOTION**

Concurring with the findings of fact as contained in **Exhibit 1: Report of Findings**, I move to recommend that the Village Council approve the requested 36.15' corner side yard setback and 27.13' rear year setback, instead of the required 50' corner side yard setback and 50' rear yard setback; as required by Sections 1268.02(f) and (g) of the Palos Park Village Code; to allow the construction of a new single-family residence on the property commonly known as 11500 S. Elbridge Avenue.

*Please note that if the Zoning Board of Appeals desires to make a recommendation to deny the request, the motion should include **specific Findings of Fact** by the Zoning Board of Appeals as to the deficiencies of the requested variance(s) as to the standards set in **Section 1264.07** of the Village Code.*

### **EXHIBITS:**

1. Report of Findings (with staff findings)
2. Revised Plans
3. Aerial Map
4. Zoning Map
5. Topographic Map
6. Plat of Consolidation
7. Variance Application and Hardship Criteria (from applicant, previously provided in May ZBA Staff Report)
8. May 2023 ZBA Staff Report (*without* exhibits)

**VILLAGE OF PALOS PARK – ZONING BOARD OF APPEALS REPORT OF FINDINGS FOR  
VARIANCE REQUESTS PURSUANT TO 1264.07 OF THE VILLAGE CODE**

**Regarding: ZBA Case 2023-01 – 11500 S. Elbridge Avenue**

*Text from the Village Code is provided in "Cambria" 12-point font and staff findings are provided in "Courier New" 11-point font.*

**1264.07 REPORT OF FINDINGS.**

The Zoning Board of Appeals shall report its findings and recommendations in writing to Council within thirty days from the conclusion of the public hearing. In considering all proposed variances to this Zoning Code, the Board shall, before recommending that Council grant a variance, first determine and make a finding of fact that the proposed variance will not merely serve as a convenience to the applicant, but is necessary to alleviate practical difficulties or a demonstrable hardship in the way of carrying out the strict letter of those regulations relating to the use, construction, or alteration of buildings or structures or the use of land, and that:

**(a) Site Conditions.** There are one or more unusual physical conditions of the site, such as size, shape, or slope, that were not created by a person having an interest in the property, that are unavoidable or uncorrectable, or that are worthy of preservation, such as a creek, wetland, or specimen trees, and that make it a substantial burden to use the property or develop the property, or otherwise result in a substantial loss of value or cause the site to be unable to yield a reasonable return, without a variance.

Finding: There is an unusual size and shape with the subject property. The underlying zoning setback regulations are written with a 1-acre lot size in mind, whereas the subject property is only 0.22 acres. Additionally, the northern property line off Cal Sag Road runs at an angle (not parallel to the south property line), creating an unusual shape to the property. As measured along the rear (west) property line the lot would have a width of 106.3', which would be enough to accommodate a 50' corner setback to the north, a 35' wide building, and a 15' interior side setback to the south (with some room to spare). However, the property narrows to the east, and due to this (and the need to provide a rear yard setback) the proposed home encroaches into the corner setback.

Regarding the small size of the subject property, it consists of four separate parcels that the applicant would consolidate. Each of the four parcels individually are legal regarding "lot dimensions and area" (lot width and size) per Code. This is because the parcels were created via a subdivision plat (Ernest Monthan's Subdivision of Block 12 in Palos Highlands) in 1894. While each are significantly less than 1 acre, since they were platted prior to July 10, 1952 (and also prior to their annexation into the Village in 1986) each of the four parcels are "buildable" per Code [1286.02(b)(1)]. The consolidation would take the

four small parcels and create a larger parcel ("When any portion of an adjacent lot is used to qualify for a permitted use under the requirements of the use district in which such lot is located, or when two or more lots are used for such purpose, the person requesting the use shall submit a plat of consolidation showing the total area used as one zoning lot" [1286.02(c)]). Finally, the adjacent properties are also smaller than 1 acre, the applicant cannot even attempt to purchase additional land from adjacent property owners to create a larger lot, since it would make the adjacent properties smaller and increase the extent of the nonconforming lot size on those properties.

**(b) Development Design.** The variation would not merely serve the temporary social or personal convenience of an occupant, and an alternative development plan that would conform to Code would not be suitable for the uses permitted by Code and would not be typical of similar properties in the area.

Finding: The construction of the new building would be permanent and therefore not serve any temporary convenience. It is not possible to construct any home on the property without some type of variance. If the applicant tried to meet the required setbacks, there would be an unusually shaped "buildable area" of only ~572 sf. The Village has a minimum dwelling size of 2,200 sf; so, a building of only 572 sf would not comply with the dwelling size provision. Further, if the applicant wished to meet the setbacks and minimum dwelling size the building would need to have 4 stories, which would not comply with the maximum building height. In short, there is no alternative development plan that would completely conform to the combination of the applicable setbacks, minimum dwelling size, and maximum height regulations.

**(c) Community Impact.** The variation would retain the essential character, scale, intensity, and open space of the area, and would be in harmony with the purposes of the Zoning Code as stated in Section 1260.02 of this Code, and would not be substantially injurious to other property, or be detrimental to public interests or adopted Village plans.

Finding: The proposed variances and proposed new single-family residence will not alter the essential character and scale of the neighborhood. The subject property is located in an area where a significant number of the nearby homes are on properties less than 1 acre and contain setback nonconformities. In fact, approximately 81% of the single-family zoned lots north of 119<sup>th</sup> Street and west of the Edelweiss and Brookside developments are less than 1 acre in size (approximately 44% are less than a half-acre). More specifically, there are properties on Elbridge Avenue with nonconforming lot sizes, rear building setbacks, and further to the east there is a property that has a nonconforming corner setback adjacent to Cal Sag Road (the property at Cal Sag and Highwood Drive).

In addition, the Board shall look to, and make findings of fact in regard to, those factors set forth in *Section 1260.05(b)(1) through (6) [see below]* in regard to the requested variation. Such findings of fact shall be incorporated in the written report to Council.

The Zoning Board of Appeals may recommend certain limited conditions on the development subject to the variance that are necessary or appropriate to reduce the impact or injurious effect of said variance and to better carry out the general intent of the Village regulations.

**1260.05(b) (1-6):**

(1) Existing uses of property within the general area of the property in question;

Finding: The existing uses in the surrounding area are all residential uses. The proposed use is in keeping with residential use.

(2) The zoning classification of property within the general area of the property in question;

Finding: The subject property and the surrounding area are all zoned R-1-A One-Family Dwelling District. Other than the requested corner side and rear yard variances, the proposed development is in conformance with the requirements of the R-1-A zone.

(3) The suitability of the property in question to the uses permitted under the existing and proposed classifications;

Finding: The existing and proposed residential use of the property is permitted in the R-1-A zone.

(4) The trend of development, if any, in the general area of the property in question, including changes, if any, which have taken place since the date the property was placed in its present zoning classification;

Finding: The proposed new construction is consistent with the residential trend of development in the surrounding area.

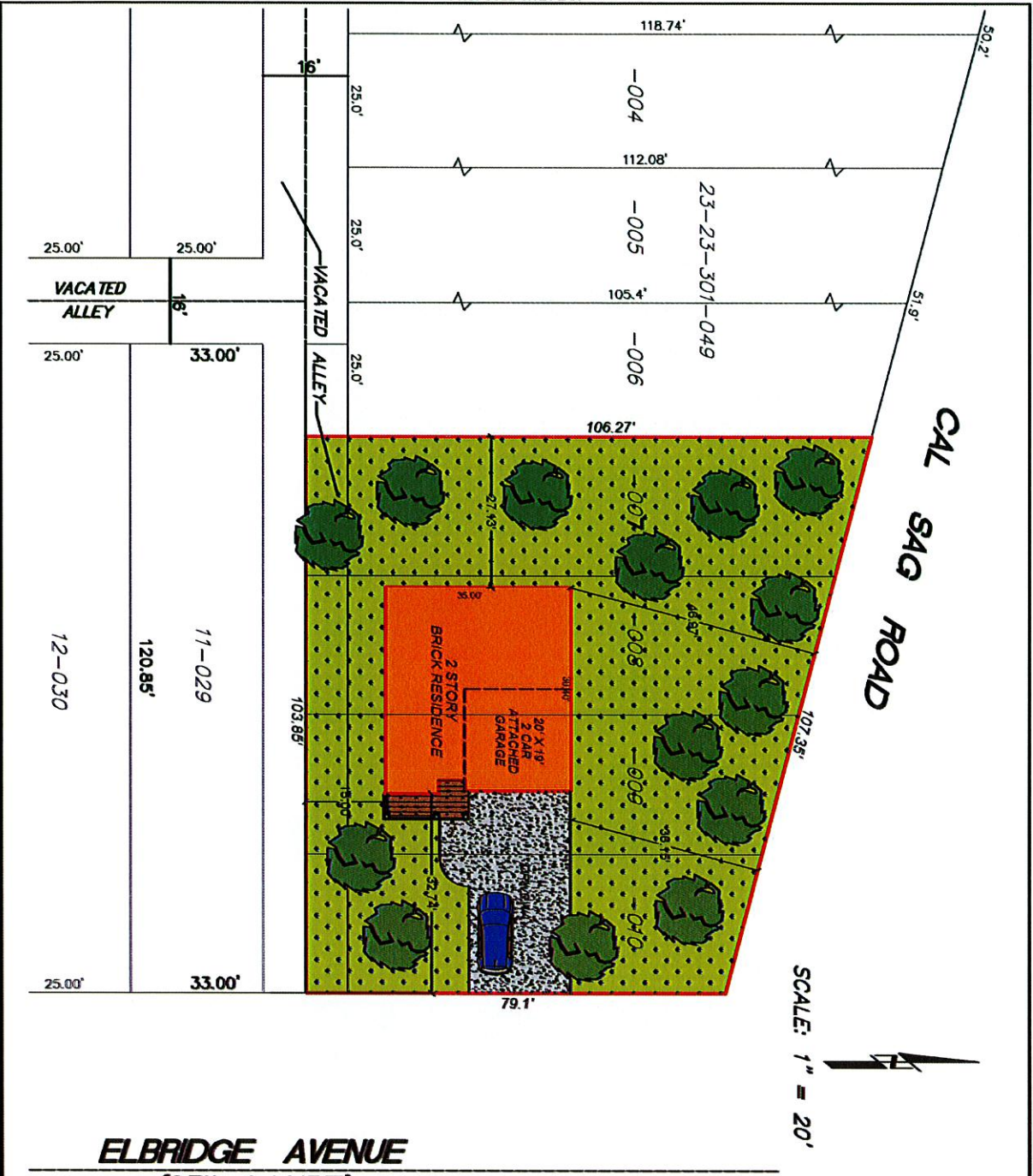
(5) Proposed uses of property within the general area of the property in question as represented on the Village Comprehensive Plan;

Finding: The proposed development is consistent with the Comprehensive Plan designation of Low Density Single Family Residential.

(6) The frontage and square footage of the land involved and whether or not it adjoins a parcel of land which bears the same zoning district classification as the proposed amendment.

Finding: The subject property is surrounded by other properties also zoned R-1-A.

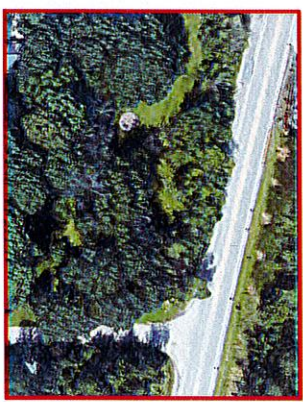
PROPOSED SITE PLAN



SCALE: 1" = 20'

**ELBRIDGE AVENUE**  
(85th COURT)

PROPOSED BRICK & STONE 2-STORY SINGLE FAMILY RESIDENCE			
11500 S. ELBRIDGE AVENUE			
2240 S. ELBRIDGE AVENUE			
P/N # 23-23-301-008-0000			
P/N # 23-23-301-009-0000			
P/N # 23-23-301-010-0000			
LOT AREA	PROPOSED	BEQUEATHED	VARIANCE
LOT FRONTAGE @ BUILDING LINE	96.69'	EXISTING LOT	NGNE
FRONT YARD SETBACK	32.74'	EXISTING LOT	NGNE
CONNECTION SETBACK	48.97/38.15'	38.74'	13.83'
SIDE YARD SETBACK (SOUTH)	97.15'	15'	13.83'
REAR YARD SETBACK	61.15'	60'	13.81'
REAR YARD SIDE YARDS	59'	50'	NGNE
LOT COVERAGE	14.60 S.F. (15%)	1,883 S.F. (20%)	NGNE
FLOOR AREA RATIO	(2.678 S.F.)	2,981 S.F. (23%) +750	NGNE
HOUSE & GARAGE FOOTPRINT	1,388 S.F.		
COVERED FRONT PORCH AREA	498 S.F.		
COVERED FRONT PORCH AREA	2,298 S.F.		
	89 S.F.		



**Site Aerial**



May 10, 2023

Megan Szkirpan

7156 W 127th St Unit 294

Palos Heights, IL 60463

RE: Tree Preservation for: 11500 S Elbridge, Palos Park

Tree #	DBH	Common Name	Species	Rating	Recommend
<b>866</b>	30"	Oak	Quercus	Fair	Protective Fence
<b>867</b>	14"	Mulberry	Morus	Fair	Protective Fence
<b>868</b>	36"	Oak	Quercus	Fair	Protective Fence Prune Fertilize
<b>869</b>	24"	Oak	Quercus	Poor	Remove
<b>870</b>	12'	Walnut	Juglans	Fair	Remove
<b>871</b>	24"	Walnut	Jugulans	Poor	Remove

Staff Report to the Village of Palos Park Zoning Board of Appeals (June 2023)

Tree#	DBH	Common Name	Species	Rating	Recommend
<b>872</b>	24"	Oak	Quercus	Fair	Remove
<b>873</b>	36"	Oak	Quercus	Fair	Protective Fence Prune Fertilize
<b>874</b>	26"	Oak	Quercus	Fair	Protective Fence Prune Fertilize
<b>875</b>	26"	Oak	Quercus	Fair	Protective Fence Prune Fertilize
<b>876</b>	18"	Ash	Fraxinus	Poor	Remove
<b>877</b>	40"	Oak	Quercus	Poor	Remove
<b>878</b>	14"	Walnut	Juglans	Poor	Remove
<b>879</b>	14"	Walnut	Juglans	Poor	Remove
<b>880</b>	16"	Boxelder	Acer negundo	Fair	Remove

- Rating is based on tree health and structural integrity.

Adjacent private property trees requiring protective fencing will be protected using perimeter construction fencing instead of individual tree fencing.

- Install Tree Protection Fence per Tree Protection Plan prior to any construction activity
- Fence the public portion (parkways) of the entire Tree Protection Zones with a 6' chain-link fence to prevent wounds to the parkway tree(s) as well as soil compaction prior to any construction activity. Post the fence with a sign stating "Tree Protection Zone – Keep Out"
- At no time shall any equipment, materials, supplies or fill soil be allowed in the Tree Protection Zones.
- The entire Tree Protection Zone(s) should be mulched to improve the growing conditions for tree roots, and minimize the maintenance of the parkway lawn.
- Tree Protection Zone is the designated area that encompasses and entire tree canopy.

However, for practical purposes the Village of Palos Park requires that the public portion be delineated with chain-link fencing.

**This tree preservation plan incorporates all reasonable steps necessary to minimize damage to trees on property and adjacent to the property.**

The Tree Preservation Plan was performed by Certified Arborist Jay Peters



5.10..2023

*Jay C. Peters Certified Arborist # IL-1201*





Village of Palos Park GIS



VILLAGE OF PALOS PARK  
8999 West 123rd Street  
Palos Park, IL 60464  
(708) 671-3700

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Print Date: 5/2/2023



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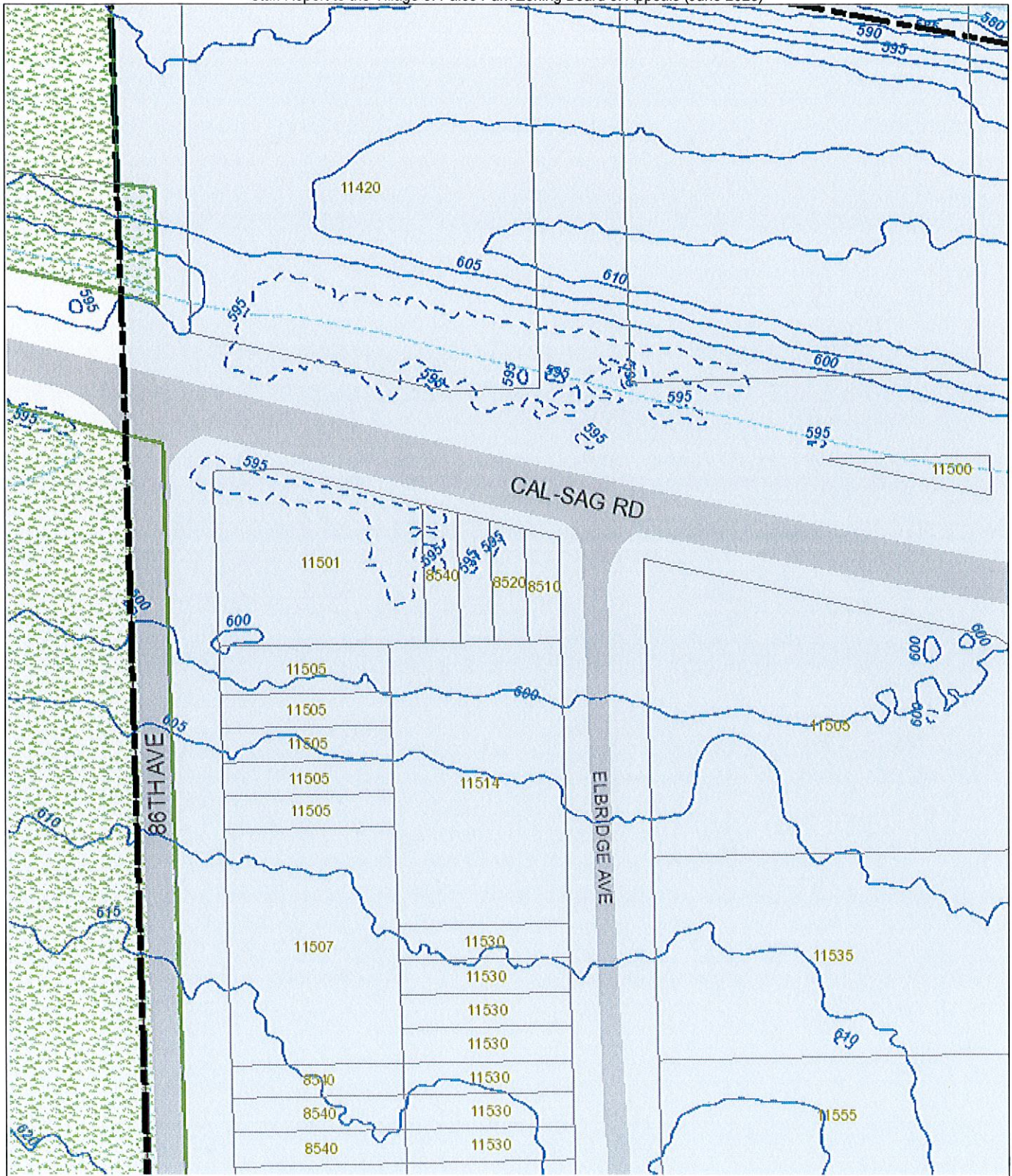
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Print Date: 5/2/2023

- LEGEND**
- + ROAD OVER A CONCRETE
  - DRIVE OVER A CONCRETE
  - DRIVE OVER A CONCRETE
  - ADJACENT PROPERTY LINE
  - ADJACENT PROPERTY LINE
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  - ADJACENT PROPERTY LINE
  - ADJACENT PROPERTY LINE
- AREA OF SUBDIVISION**
- 4411 SOUTH TELL CO. 1/2 ACRES MORE OR LESS
- ASSURANCE**
- ALL COORDINATES ARE EITHER GRANTING PUBLIC UTILITY & SERVICE CONTRACTS OR OTHERWISE
- NOTE**
- ALL COORDINATES ARE EITHER GRANTING PUBLIC UTILITY & SERVICE CONTRACTS OR OTHERWISE

# MEGAN NICOLE SZKIRPAN'S 1ST PALOS PARK PLAT OF CONSOLIDATION

OF LOT 2, A. S. AND ADJACENT LOTS 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 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Community Development Department

8999 West 123rd Street
Palos Park, IL 60464
Phone: 708-671-3700
Fax: 708-448-9542
E-mail: lpruss@palospark.org
Web: www.palospark.org

Staff Report to the Village of Palos Park Zoning Board of Appeals (June 2023)



VILLAGE OF PALOS PARK

Applic. Date:
File #:
Fee:

Application for Zoning Board of Appeals

1. Applicant DANIEL SZKIRPAN Daytime Phone (708)542-7586

Mailing Address 7156 W. 127TH ST., SUITE 294, PALOS HEIGHTS, IL 60463

Email Address SKIRP@SBCGLOBAL.NET

2. Owner(s) of Record CT TRUST 8002359629, STD TRUST 19629 Daytime Phone (708) 542-7586

Mailing Address 7156 W. 127TH ST SUITE 294

3. Applicant is: [ ] Owner [ ] Attorney [ ] Other Agent (please specify) OWNER
(Note: A letter of authorization from the owner(s) of record must be attached)

4. Address/Location of Subject Property 11500 S ELBRIDGE

5. Permanent Index Number(s) of Subject Property 23-23-301-007-0000,008,009,010

6. Present Zoning Classification R-1-A Proposed Zoning Classification (if applicable)

7. Zoning Designations and Uses of properties to the North R-1-A South R-1-A
East R-1-A West R-1-A

8. Current Use Proposed Use (if applicable)

9. Lot Square Footage 9,639 SQ. FT. Building Square Footage

10. Explanation of Relief requested CORNER SIDE YARD SETBACK VARIANCE AND REAR YARD SETBACK VARIANCE

11. Ordinance Section seeking Relief from: 1268.02 PARAGRAPHS (f) AND (g)

APPLICATION MUST BE FILED WITH ORIGINAL SIGNATURES

I hereby certify that the above statements and all accompanying statements and drawings are true and correct to the best of my knowledge. I hereby consent to the entry in or upon the premises described in this application by any authorized official of the Village of Palos Park for the purpose of securing information, posting, maintaining and removing such notices as may be required by law.

Applicant Signature

3/29/2023
Date

Please note that advertisement of proposed projects prior to Village approval in no way creates an obligation for Village approval. Any advance promotion of a project is done at the risk of the petitioner.

PLEASE EMAIL COMPLETE APPLICATION TO: lpruss@palospark.org

Staff Report to the Village of Palos Park Zoning Board of Appeals (June 2023)  
**VARIANCE HARDSHIP CRITERIA**

The following criteria (Village Code Section 1264.07) are used by the Village to help determine if property conditions are hardships that are sufficient to grant a zoning variance.

**A. Site Conditions**

1. What are the unusual physical conditions of the site; such as size, shape, slope, or other natural or manmade features; that make it a substantial burden to use the property or develop the property?  
SHAPE OF THE LOT AND SMALL LOT AREA

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- a. Were these conditions created by current owners of the property? No  
b. Are these conditions unavoidable or uncorrectable? Yes  
c. Are these conditions worthy of preservation? Yes  
d. Is the loss of value or reasonable return due to these conditions substantial? Potentially

**B. Development Design**

1. Would the variation serve only the temporary social or personal convenience of the occupant?  
No, this would be a permanent solution as we are proposing to build a new construction home that would enhance and beautify the area as the vacant lot is currently neglected and unsightly.

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2. Is there another way to design the development that would be suitable for the permitted uses and that does not require a variance?  
No

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- A. Is this other design similar to other development in the neighborhood? N/A

**C. Community Impact**

1. Would the proposed development with the variance alter the essential character, scale, intensity, and open space patterns in the area?  
Proposed house size is consistent with other homes on the block.

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- a. Would the proposed development with the variance still be in harmony with the purposes of zoning as described in Section 1260.02 of the Zoning Code? Yes

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2. Would the proposed development with the variance be substantially injurious to other property?  
No

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- a. Would it be detrimental to public interests? No  
b. Would it be detrimental to Village Plans? No



VILLAGE OF  
**PALOS PARK**

**Village Council**

Mayor Nicole Milovich-Walters  
Village Clerk Marie Arrigoni  
Commissioner G. Darryl Reed  
Commissioner Dan Polk  
Commissioner Mike Wade  
Commissioner Rebecca Petan

**Meeting of: June 26, 2023**

**7:30 PM**

**Kaptur Administrative Center**

**AGENDA MATTER:**

Replace the Pressure Relief Valve at the Reservoir and Pump Station

**BACKGROUND/HISTORY:**

The pressure relief valve, which is part of the internal pipe distribution system at the reservoir and pump station is no longer functioning and needs to be replaced. If pressure builds up too high in the piping leaving the station, the pressure relief valve opens and allows water back into the reservoir.

The Village sought out prices from Metropolitan Industries for the new valve and flanges, and from Airy's Inc. to remove the old valve and install the new valve. The cost of the valve is \$7,283.00 and the cost of installation is \$4,064.21. Public Works recommends approving the total cost of \$11,347.21 to replace the valve.

**STAFF RECOMMENDATION:**

Staff recommend approving the proposals from Metropolitan Industries and Airy's Inc.

**RECOMMENDED MOTION:**

I move to approve the proposals from Metropolitan Industries and Airy, Inc., in the amount of \$11,347.21 to replace the 4" pressure relief valve at the reservoir and pump station.

**METROPOLITAN**



**PUMP COMPANY**

A Division of METROPOLITAN INDUSTRIES, INC.

37 FORESTWOOD DR. • ROMEOVILLE, IL 60448-1343  
(815) 886-9200

www.metropolitanind.com

**QUOTATION**

Page 1 of 1

PROJECT: 4" Pressure Relief Valve Upgrade  
Palos Park, IL.

TO: Stuart Jelms and Tom Land - Airy's Inc.

We are pleased to have the opportunity to provide this QUOTATION for equipment and services for the subject project.

The Materials & Services will consist of and include the following:

QTY	Description
1	<b>4" Pressure Relief Valve</b> Ductile iron with SS trim 150# flanges Angle pattern 0-200 psi range Mechanical Valve Position Indicator Copper tubing
1/L	<b>Spacers &amp; Gaskets</b> ( <i>makes up 1.5" on inlet side of valve for use with existing piping</i> )
1/L	<b>Start-up Services</b>
1/L	<b>Freight to Metro</b>

Your COST for the above described materials & services is:

**\$7,283.00**

Notes & Clarifications:

**Lead Time:** Approximately 4 weeks after submittal approval.

**Included:** Equipment & Services as listed above.

**Not Included:** Taxes, Installation, Hardware and Anything not listed.

**TERMS:** Net 30 days from date of invoice. All invoices are payable in full when due, with no retainage allowed.

**THIS QUOTATION, SUBJECT TO THE CONDITIONS ON THE REVERSE SIDE HEREOF, MAY BE ACCEPTED ONLY BY SIGNING ONE COPY OF THIS QUOTATION AND RETURNING IT TO METROPOLITAN PUMP CO. NOT LATER THAN THE DATE INDICATED ON THE FACE HEREOF AFTER WHICH THIS QUOTATION IS VOID. THIS QUOTATION AFTER ACCEPTANCE BY BUYER MAY BE CANCELLED BY EITHER PARTY WITH NO PENALTY ONLY IF ENGINEER FAILS TO APPROVE SELLERS APPROVAL BROCHURE.**

Accepted:	_____	Quotation No:	Keith060223MS
Firm:	_____	Submitted:	June 2, 2023
By:	_____	Void after:	30 Days
Title:	_____	Prepared By:	Keith Girup

**PROJECT PROPOSAL & CONTRACT**



21825 Cherry Hill Road, Joliet, IL 60433  
(708) 429-0660 www.airys.com (708) 429-0795

**To:**  
Mr. Joe Walters  
Village of Palos Park  
8999 123rd St  
Palos Park, IL 60464

**Date:** 6/7/2023  
**Job Number:** E23-571  
**Job Name/Location:**  
4" Pressure Relief Valve Upgrade  
12101 Southwest Hwy  
Palos Park, IL

**Phone:** 708-259-1331  
**Fax/e-mail:** jwalters@palospark.org

We hereby submit specifications and estimates per plans dated: None

**Remove and Replace Existing 4" Pressure Relief Valve**

- Airy's to provide Labor and Equipment.
- Pressure Relief Valve provided by Village of Palos Park (See attached Metropolitan Industries Quote)
- On the inlet side of the valve (vertical), Metro will provide a spacer and gaskets to make up a 1.5" space.  
(The existing valve is 6.5" from the face of the inlet flange to the centerline of the valve whereas the new valve is 5")
- On the outlet side of the valve (horizontal), Airy's will need to remove 1" from the existing pipe and utilize MegaFlange Adapters.  
(The existing valve is 6.5" from the face of the outlet flange to the centerline of the valve whereas the new valve is 7.5")  
Megaflange adapters to be provided by Airy's

**TOTAL BASE BID** **\$4,064.21**

The referenced amount reflects our Lump Sum bid for the referenced project

**The following considerations are made as part of the bid and contract documents**

- No permits, bonds, taxes, licenses, or fees
- Airy's and their subcontractors to be held harmless from utility construction in any areas requiring permit(s)/easements for construction.
- No filling existing structures
- No excavation of unsuitable rock or soils
- Downtime for unsuitable material, rock, etc. not included.
- On site and Off site restoration by others
- Staking & layout by others
- Exploratory excavation for utilities limited to those areas noted and scaled from plan
- Not responsible for re-routing/reconnection due to the confliction of utilities at crossings whether shown or not.
- Not responsible for determination of design crossing conflictions.
- Televising of existing or proposed sewers is not included unless expressly mentioned in this proposal.
- Vacuum testing of structures is not included unless expressly mentioned in this proposal.
- Contaminated groundwater/storm water handling or disposal is not included.
- Not responsible for the Excavation, Handling, Hauling, or Disposal of any contaminated soils. Airy's may work in

- other areas, or suspend construction until such material is removed or cleaned.
- Disposal of unsuitable materials not included.
- Owner to allow for the extension of time to the project in the event of revisions, additions, or the changes in the scope of the project without adverse effects to Airy's or their subcontractors.
- In the event soil erosion is provided in a bid line, we will provide the initial installation. Further maintenance is to be provided by others.
- All spoil left on site at trench side. Approx. Cy
- All services to terminate at property line.
- Dewatering is excluded.
- Rock excavation is excluded.
- Traffic control by others.
- Tree removal/trimming by others.
- The excavation through unsuitable soil is excluded.
- All pavement or curb sawing, removal, and disposal is excluded.
- Not responsible for damage to privately owned utility lines. Locating will be responsibility of the property owner.
- Average sanitary manhole depths are calculated at 0.0' , added manholes that vary in depth may require a change in unit price.
- Average storm manhole depths are calculated at 0.0' , added manholes that vary in depth may require a change in unit price.
- All water main depths are calculated with 5,0' cover, added depths may require a change in unit price.
- This Proposal is based on 2022 Labor Rates. June 1, 2023 through May 31, 2024.

In the event another contract format is used, these pages shall be considered as an exhibit.  
 We propose to furnish material and labor - complete in accordance with the plans and specifications listed above:  
 This exhibit is for the sole purpose of determining value of installed utilities for the monthly payments and to determine the price of additions or deletions from the plans and specifications. It is agreed and understood by the parties hereto that all utilities covered under this contract shall be installed per plans and specifications as listed above for the completed price of:

**Four thousand sixty-four and 21/100----- Dollars \$4,064.21**

Payment to be made monthly as work progresses, as billed, per units installed, no retention.  
 Net amount due by 10th of the month following month in which work was performed.  
 Should any other contract document be used, this form shall be considered an exhibit to the contract.  
 Should discrepancies between drawings, specs, and/or contract occur, scope of work noted in this document to supersede. All work to be in compliance with the Standard Specifications for Water and Sewer Main Construction in Illinois.  
 Any alteration or deviation from specifications involving extra costs will be executed only upon written order and will become an extra charge over and above the contract amount. All agreements contingent upon strikes, accidents, or delays beyond our control. Owner to carry fire, tornado, and other necessary insurance. Our workers are fully covered by Workmen's Compensation Insurance.  
 This proposal may be withdrawn by us if not accepted within 5 days due to the volatility of materials at this time.

Airy's Authorized Signature \_\_\_\_\_

**Acceptance of Proposal**

The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. **Payment will be made as outlined above.** All fees for collection including, but not limited to court costs, arbitrator fees, and attorney fees are the sole responsibility of the customer.

Signature \_\_\_\_\_

Date of Acceptance \_\_\_\_\_

Signature \_\_\_\_\_



VILLAGE OF  
**PALOS PARK**

**Village Council**

Mayor Nicole Milovich-Walters  
Village Clerk Marie Arrigoni  
Commissioner G. Darryl Reed  
Commissioner Dan Polk  
Commissioner Mike Wade  
Commissioner Rebecca Petan

**Meeting of: June 26, 2023**

**7:30 PM**

**Kaptur Administrative Center**

**AGENDA MATTER:**

2023 Water Main Leak Survey

**BACKGROUND/HISTORY:**

The Illinois Department of Natural Resources rules require municipalities to report annual Lake Michigan water usage. Part of the requirement is to determine unaccounted flow which is water that passes through our system but is not metered. The main source of unaccounted flow is water main breaks. Palos Park has done a good job of maintaining flow numbers within acceptable levels. However, as our system ages the Village needs to be more vigilant in its efforts to reduce water loss and with it lost revenue. The Village last performed a leak survey in 2021. This year we are proposing to survey the entire 54 mile water system. By finding small undetectable leaks before we have main breaks the Village can reduce the operating costs of the system.

The Village requested proposals from three leak detection companies that have previously worked for the Village. In comparing the proposals, the Village looked at the all-inclusive option in each proposal. The numbers were as follows.

ADS Environmental Services	\$7,685.00
Associated Technical Services	\$15,507.36
M.E. Simpson	\$13,350.00

Based on the numbers received, Public Works would like to award the project to ADS. There was money budgeted in the Water Fund for this work.

**STAFF RECOMMENDATION:**

Staff recommends awarding the 2023 leak survey to ADS Environmental Services.

**RECOMMENDED MOTION:**

I move to approve the 2023 Water Main Leak Survey Proposal from ADS Environmental Services in the amount of \$7,685.00.

May 24, 2023

Mr. Daniel Foster  
Utilities Supervisor  
Village of Palos Park  
Palos Park, IL 60464

**Subject: Proposal: Village of Palos Park, IL – Leak Survey Proposal**

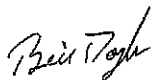
Dear Mr. Daniel Foster,

ADS Environmental Services (ADS) is pleased to submit our proposal to provide a water system leak detection services for the Village of Palos Park. Our technical competence and experience complement our emphasis on customized service and our commitment to produce the required services in a cost effective manner.

Our proposal is designed to provide you with an indication of our demonstrated technical competence and experience in this specialized field. ADS uses the latest technology in sounding correlation equipment and our engineers are trained experts in their use. Currently, ADS provides water distribution services to approximately 33 municipal clients in the Chicago and upper Midwest area and in numerous cities along the eastern seaboard. ADS has been performing specialized water distribution analysis since 1896. We also have conducted studies, trunk main surveys, water loss programs and special hydraulic investigations for many large cities and smaller communities throughout the United States, Puerto Rico, Canada, Mexico, Central America, South America and many other countries throughout the world. Our Water Group has worked with more than 6,000 utilities in 32 countries. Projects have ranged in size from small leak detection efforts completed in a matter of days to comprehensive water loss programs spanning many years.

ADS stands committed to provide a high level of service and professionalism on your project. If you have any questions or comments, please feel free to contact me directly.

Sincerely,



Bill Doyle  
Chicago Project Manager  
ADS Environmental Services  
(312) 296-8886  
[wdoyle@idexcorp.com](mailto:wdoyle@idexcorp.com)

## **Qualifications**

Effective distribution of water to local residents is vitally important to the growth of any community. Whether the distribution channels are to extend from an existing infrastructure, or the infrastructure itself needs to be repaired or engineered, numerous economic and environmental factors come into play; Regulatory requirements must be met; and revenue projections must be accurately assessed. Above all, environmental safety and efficient delivery must be achieved to ensure community acceptance. ADS offers the full complement of technology and resources necessary to solve your community's water distribution system needs.

The commodity that water systems deliver today has greater value than ever before. Water supply, treatment, storage, and pumping all add value to the water user. With mounting infrastructure costs and growing constraints on water resources, water system managers must strive to account for all of the water that travels from source to end users. Water accountability on the supply side is effective because it is under utility managers' direct control and water savings translate directly to cost savings. Water accountability analyses track water through the delivery system and identify potential areas for improvement.

ADS has an extensive background in Water Audits, Special Hydraulic Measurements, District Measurements, and Leak Detection. ADS has provided these services in hundreds of cities across the United States. During several of these projects, important discoveries were made – such as open blow-offs and closed valves – which led to savings of millions of dollars and improved water delivery after the problems were remedied. Pitometer Associates, now known as ADS, originally devised the Water Loss Survey in the late 1800's and this has become the modern IWA/AWWA Water Audit.

ADS has the equipment, knowledge, and experience to carry out every aspect of this project and we would like to showcase our unmatched performance with The Village of Streamwood.

## **Company Background**

ADS is now one of the largest water and wastewater service firms in the United States. We are a U.S.-based business formed to bring together several proven, established companies in their respective markets. ADS has evolved into a solutions-driven provider of environmental products and services that will create value for its customers, employees, and shareholders through technology, world-class service, and environmental leadership.

ADS offers expert water distribution and sewer collection system analysis, specialty line stopping, and industry leading technologies for water and wastewater services. We specialize in the collection and analysis of accurate information about the efficiency of existing water and sewer systems. Our clients are typically small and large municipalities, but we also perform similar work for industrial clients and Engineering companies. Our engineers and field technicians work closely with client representatives to help them solve flow, pressure and leakage problems in their systems. ADS is often called upon as a subcontractor to other firms because of the specialized work that we perform.

## **Financial Health**

Our pipeline experience dates back to 1896, the year in which Pitometer Associates, Inc. (now part of the ADS organization) was founded. ADS has continued to build upon Pitometer Associates' reputation for providing quality pipeline services to local communities and reducing water loss. Our combination of quality, service, regulatory knowledge and local focus is the reason we have been around for more than a century. As a result, ADS has become the industry leader in local water distribution and sewer collection system solutions for more than 35 years.

We bring to our Clients the stability and strength of a multi-billion dollar, global corporation as well as the personalized service of a small local company that has been working in the Midwest area for over 100 years. We have the philosophy, experienced personnel and equipment that are unsurpassed in the industry. This is evidenced by the fact that ADS has performed more than 8,200 pipeline services projects in 32 countries. Our reputation for quality work is supported by the large number of repeat clients that we have had over the years.

ADS LLC provides comprehensive sewer system services (flow monitoring to identify and prioritize affected basins, SSES field activities to obtain sewer inventory, condition and performance assessment, point source identification of inflow/infiltration, project management, rehabilitation recommendations), pipeline services (water audits, hydraulic modeling, master planning, water quality modeling, master meter tests, meter accuracy tests, consumption analysis, loss of head tests).

ADS has a large inventory of equipped field vehicles, monitor inventory, computer equipment, a hydraulic lab, and trained staff which allow us to mobilize quickly on large projects.

ADS LLC, with its operating divisions, ADS Environmental Services, Accusonic Technologies and Hydra-Stop, is owned by IDEX Corporation. IDEX is an applied solutions company specializing in water and wastewater fluid and metering technologies, health and science technologies, dispensing equipment, and fire, safety and other diversified products built to its customers' exacting specifications. Headquartered in Lake Forest, IL, IDEX was founded in 1988 and stands for Innovation, Diversity and Excellence. They have operating facilities across five continents with more than 5,000 dedicated employees worldwide.

## **Experience/Staff Resumes**

ADS brings to this project a team of experienced professionals. Experience, we believe, is the most critical factor governing the work quality in the field. Our team is well versed in the most advanced leak detection technology. Our combination of engineering expertise and field staff experience will ensure that the Villages' needs are understood and met.

The project will be managed in our local Chicago office by Mr. Bill Doyle. Mr. Doyle has over 29 years of distribution system experience including the past 15 years managing various hydraulic investigation and leak detection projects throughout the Chicagoland region. Mr. Doyle will ensure that the project goals and schedule are met to the satisfaction of the Village.

In addition, an experienced team member will be provided to perform the field work. The experience of the Leakage Technician member will meet and exceed the goals and objective of this

The local Chicago office personnel include the following:

Staff Member	Title	Years Experience
Bill Doyle	Project Manager	29
Dave Johnstone	Sr. Leakage Technician	22
Joe Barnes	Sr. Leakage Technician	17
Terry Keeling	Sr. Leakage Technician	16
Nicole Avalos	Field Manager	12

**Project Approach**

For this project, ADS would like to recommend the following approach and methodology for a Water Leak Survey Program in Streamwood, IL which includes:

- **Location Survey** – ADS will conduct a leak detection/location survey with sonic detection equipment on approximately 53.4 miles of water main. The system will be monitored by listening on all hydrants and selected main line valves and b-box or service valves with highly sensitive sound intensifying instruments.
- **Mains Investigation** – In areas showing indications of leakage, ADS will thoroughly investigate the mains and services with an electronic leak correlator to pinpoint the leaks for repair.
- **Systems Documentation** – ADS will record all defective system components such as valves, hydrants and curb stops, as well as any map errors, that are noted in the course of carrying out other field activities.
- **Project Deliverables** – ADS will prepare a final report showing the results of all tests and investigations. The report will include the location and estimated quantity of leakage found and cost benefit analysis of the survey, as well as the inventory of defective system components and map errors. Two (2) copies of the report will be submitted as requested.

**Scope of Services**

ADS will conduct a leak detection/location survey with sonic detection equipment on the Villages water system. We will survey the total length of water mains (approximately 53.4 miles) and monitor the system by listening directly on all hydrants and the selected main line valves, b-box, and service valves with highly sensitive sound intensifying instruments. For a project of this size, we propose three days sounding of the system followed by one day of resounding and correlating at each potential leak location. This approach will provide a set of organized results for the report that can be submitted to the village. ADS will perform three full days of sounding the system and marking down the potential leak sounds. One day will then be taken to return to those locations to see if the sound is still present. The sound may simply be due to usage and resounding will determine whether it is a leak sound. If it is a leak sound, the location will be further investigated with the electronic correlator.

ADS will thoroughly investigate the mains, hydrants, valves and/or services with an electronic leak correlator and ground microphone to pinpoint the leaks for repair. Leak locations will be marked with Precautionary Blue Paint unless otherwise noted by the village. We recommend that all identified leaks be repaired while ADS engineers are still working in the village so that the immediate area can be sounded again in case another leak may have been masked by the original leak noise. ADS will also record all defective system components – such as valves, hydrants and curb stops – as well as any map errors that are noted in the course of carrying out the field activities. We will be able to conduct the vast majority of the survey during normal working hours. In areas with a high traffic volume, ADS will perform this work during off-hours and will provide the Village with the necessary notice.

**Classification of Leaks**

ADS classifies leaks according to the following classes, which will be shown on each individual leak sheet and in the final report. These classifications can be further refined prior to starting the project if requested by the Village.

<b>Class</b>	<b>Definition</b>
I	Leaks that are hazardous in terms of potential underground washouts, possibly resulting in surface collapse, encroachment and/or damage to nearby utilities, commercial and private properties or leaks that indicate leakage to be severe enough to warrant immediate repair by Community's work forces
II	Leaks that display water losses significant enough to be placed on a regular repair schedule
III	Relatively small leaks that should be repaired as work time permits

## **Reporting**

We will meet with the designated Village representative on daily basis and deliver any leak reports from the previous day's work. Leak sheets will be prepared with a sketch of the location, leak classification and estimated water loss. We will also prepare a progression map with symbols that indicate leaks and classification corresponding to the leak report. ADS will prepare and submit a consultant's report to Villages designated representative that will include:

- Feet/Miles surveyed that week
- Feet/Miles surveyed to date
- Total estimated water loss
- Number of leaks and suspected locations
- Hours worked that week

## **Final Report**

Our final report will summarize the project and show the results of all tests and investigations. This report will include:

- A description of the area surveyed
- An overview of the methodology and equipment used for the survey
- A comprehensive list of all leak types and locations and estimated quantity of leakage found (GPD)
- An inventory of defective system components and map errors encountered during the survey
- Sketches of the individual leak locations
- Estimated benefits-to-costs resulting from completing the leak survey effort taking into account:
  - Estimated water loss from the leaks discovered during the survey
  - Villages production/purchase price for water
  - Cost of the survey itself

## **Schedule of Work**

ADS will be available to start within three weeks of having a signed agreement. Based on the number of miles, it is estimated that the field portion of the project will take 6 to 7 working days to complete. The technician can usually cover approximately ten to twelve miles of pipe per day during the sounding phase, depending on weather and traffic conditions. The time needed to pinpoint leaks depends upon the number of leaks discovered and their level of difficulty. As previously discussed, we have found that three days of sounding the system should be followed by one day of resounding and correlating at each potential leak location. The leak survey will be conducted primarily during normal working hours with additional leak detection being conducted during late evening and/or early morning hours if necessary in areas of high traffic volume. The final report will be submitted within 30 days of the end of the field work.

## Equipment

ADS will use the Fluid Conservation Systems (FCS) S-30 and/or the ADS/Primayer Mikron Leak Surveyor for sounding the leaks and the Echologics ST Leak or ADS/Primayer Digital for pinpointing the leaks. Echologics and Primayer are leaders in the manufacture and service of leak detection equipment. Our leak technicians use this equipment for leak surveys and emergency leak calls on a daily basis and continue to have good success with it. In those areas of the leak survey with very high traffic volume, we may use a second leak detection device to supplement the work of the Echologics ST Leak correlator. The ADS/Primayer Enigma – used by our leakage technicians on many of our most recent leakage surveys in the Chicagoland region – combines sound logging and correlation. Up to six correlating “pods” are deployed in an area on hydrants or valves. The pods can be programmed to sound and correlate with each other at a particular time of day (for example, during nighttime hours when traffic and other noises are minimized). The information from the pods is then downloaded to a laptop computer and analyzed to determine if and where there are leaks in the target area.

## Safety

ADS has an integrated, comprehensive safety process that is led by a full time Safety Manager with over thirty years of ADS experience. The safety program encompasses training, audits, equipment and procedures necessary to meet federal, state and local safety requirements. Training includes confined space entry certification, personal protective equipment, blood borne pathogens, gas meter operation, hazard communication, defensive driving, and first aid/CPR, and a comprehensive physical biannual examination. Each field crew carries all necessary communications, safety, confined space entry and traffic control equipment that meets or exceeds NFPA specifications. A safety plan that documents ADS safety protocols can be submitted for informational purposes if requested. ADS’s safety program is industry leading. Many other companies and municipalities have used our program as a model for their own.

## Proposed Cost Estimate

The fee to complete the Project Scope of Work is as Follows:

Task	Description	Pricing
LEAK SURVEY	Leak Survey Program as described above for approximately 53.4 miles of mains, listening directly on all hydrants and selected main line valves, b-box, and service valves	\$ 7,685.00
<b>Total</b>		<b>\$ 7,685.00</b>

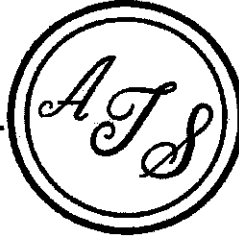
## **Assumptions**

Our pricing is based upon the following assumptions:

- Village personnel will ensure easy access to all main line valve vaults and valve boxes. This will include pumping out valve vaults where necessary and removing debris from boxes and vaults to make valves and water lines accessible.
- The Village will make available any and all available as-built drawings, maps, atlases, records and all other data pertaining to the water system.
- The Village will provide knowledgeable qualified personnel for consultation and assistance regarding the water system.
- The Village will be responsible for repairing the leaks.
- The Village will hold ADS harmless from all items for which the Village is responsible.

*NOT CHOSEN*

ASSOCIATED TECHNICAL SERVICES LTD



524 W. ST. CHARLES RD. VILLA PARK, IL

www.ATSLIMITED.com

Office: 630.834.1558 / Fax: 630.834.5501

Established 1979

May 17, 2023

Village of Palos Park  
Department of Public Works  
8999 W. 123<sup>rd</sup> Street  
Palos Park, Illinois 60464

Attn: Mr. Daniel Foster  
Utilities Supervisor

RE: 2023 Palos Park Water Distribution  
System - Leak Detection Survey Proposal

Dear Mr. Foster,

We are pleased to present our proposal to perform a comprehensive "ATS LEAK DETECTION & LOCATION SURVEY" for the *Village of Palos Park*. ATS has a long history of taking towns with a high-water loss and reducing it down to single digits losses with aggressive, thorough, and accurate leak surveys.

With an "ATS Leak Survey Program" your water conservation efforts continue on the best possible course. Of the three primary factors that create an "unaccounted for water loss figure" (UAW): System Leakage, Metering Errors, and Accounting Procedures, an "ATS Leak Survey Program" is the most cost-effective and time-efficient measure that a water utility can take to reduce its Unaccounted-for Water Loss. As each newly discovered leak is repaired, the *Village* will begin to realize an immediate return on your leak survey dollars. In fact, over the years, *ATS Leak Surveys* have averaged a \$15: \$1 return in recovered water vs. the cost of hiring *ATS*. Highest rate of return in the business!

**"WHY CHOOSE ATS?"**

**QUALITY:** "Quality is never an accident. It is always the result of high intention, sincere effort, intelligent direction, and skillful execution. It represents the wise choice of many alternatives."

ATS has earned its standing as one of the most innovative and successful leak location firms in America. ATS has conducted hundreds of leak surveys across the Midwest in cities of all sizes, ages, layouts, and water loss problems. Many of these cities have also had experience with other leak survey firms in addition to *ATS*. However, in every one of those cities, *ATS* has never failed to find less than 2 to 10 times more leakage than the competitor's survey that preceded the *ATS Survey* in the same town.

**WATER CONSERVATION SPECIALISTS**

EMERGENCY LEAK PINPOINTING • LEAK DETECTION SURVEYS • UNDERGROUND UTILITY LOCATION • GIS / GPS SURVEYS  
VALVE EXERCISING • CCTV PIPE INSPECTIONS • HYDRANT TESTING & FLUSHING • LOCATION EQUIPMENT SALES & TRAINING

*A Comprehensive ATS Leak Survey is essentially accomplished with these steps:*

- Prepare a Proposal – We take into consideration essential factors like system size, age, layout, and pipe materials; frequency and type of annually occurring leaks and main breaks; amount of unaccounted for water loss and system pressure. Once our proposal has been submitted and approved, we will be in contact with you to schedule the Pre-Survey Meeting
- Pre-Survey Meeting – conducted with *ATS Survey Project Manager*, to discuss all aspects of the project from methodology, equipment, documentation, and results with the Village.
- The Designated Survey Area is divided up into manageable “survey sub-areas” which are scaled directly from your maps to get the quantity of water main in each area.
- ATS Crews will check in with the Village at the start of every survey workday. You’ll always know where we’ll be that day and what kind of progress we’re making. Our office never closes. *ATS Crews and Offices are available 24 hours a day / 365 days a year.*
- Ultrasonic Leak Detection Phase of each survey sub-area. We will log every monitored appurtenance, every detected suspect leak site, all map discrepancies and any inaccessible points that need to be found or exposed so they can be surveyed.
- Map Discrepancies - All appurtenances that are shown incorrectly or not shown at all on your maps will be logged on our survey sheets.
- Computerized Electronic Leak Location Phase – Re-survey every suspect leak site and accurately pinpoint every subsequently detected leak.
- Leak Location Reports are submitted daily as leaks are located. Leak locations are marked, diagramed, and documented in detail.
- Final Survey Report - Gather Leak Repair Data, Recovery calculations, Maps displaying Leak Locations and assemble Final Report. Present the comprehensive Final Survey Report to the Village

ATS INCENTIVE-BASED COMPREHENSIVE LEAK SURVEY PROGRAM

The *ATS Comprehensive Leak Survey Program* is the most thorough and successful leak survey program in business on two fronts – *Superior Findings and Consistently Accurate Pinpointing*.

ESTIMATE OF COST

SURVEY AREA: The *Village* has ± 53.4 lineal miles (281,952 LF) of distribution water main.

Monitored System Appurtenances will include:

- Every accessible Fire Hydrant and Auxiliary Valve (± 723)
- Every accessible Main Line Valve (± 375 vaults)

Option A: Incentive-Based

Detection Phase: 281,952 per lineal feet of water main @ \$ 0.038 per LF = \$ 10,714.17

Location Phase: \$ 425.00 for Every Pinpointed Main Line and Service Line Leak.

\$ 100.00 for Every Fire Hydrant Leak and Valve Leak.

Option B: All-Inclusive – All detection and pinpointing costs are included.

Detection & Location Phase: 281,952 per lineal feet of water main @ \$ 0.055 per LF = \$ 15,507.36

Hydrant Survey Only

Option C:

Detection Phase: 281,952 per lineal feet of water main @ \$ 0.028 per LF = \$ 7,894.65

Location Phase: \$ 425.00 for Every Pinpointed Main Line and Service Line Leak.

\$ 100.00 for Every Fire Hydrant Leak and Valve Leak.

Name \_\_\_\_\_ Title \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_ Option \_\_\_\_\_

SURVEY COMPLETION TIME: We estimate the *DETECTION PHASE* of the survey can be completed in 20 - 30 workdays (weather permitting). The duration of the *LOCATION PHASE* will depend upon the number of suspect leak sites to investigate and actual number, type and location of those pinpointed leaks. The Location phase may take another 10 - 15 workdays to complete.

### WATER SYSTEM DATA and PROJECTIONS

The Village of Palos Park Water Distribution System contains approx. 53.4 lineal miles (281,952 LF) of 6" -16" Ductile Iron Water Main. All of these pipe materials adequately transmit leak sounds for leak detection. The water system serves a population of thousands of metered residential and commercial services. This is significant because water service line leaks are the second most common leak that we find with *ATS Leak Surveys*. The system also contains  $\pm$  723 East Jordan and Traverse City hydrants and  $\pm$  375 mainline valves in vaults that are used as our primary checkpoints for leak sounds. In head-to-head comparisons the other firms have never been able to match up to *ATS* in terms of skills, experience and most importantly, results. That company is *ATS*. As accurately as we detect main line, hydrant and valve leaks, leaking service lines are also easily detected by skilled *ATS Field Technicians* using hydrants, auxiliary valves, curb stops and mainline valves as listening points.

*ATS* will ultrasonically survey every Fire Hydrant, every accessible Hydrant Auxiliary Valve and every Mainline Valve for suspect leak sounds. Strategically located Curb-stops (b-boxes) do come into play during actual pinpointing of a suspect service leak. Curb stops are not typically used in the detection process because, unless that service is leaking, they are poor conductors of sound for leak surveying purposes. It is typically unnecessary to monitor Curb-stops during the detection phase unless a suspect leak has been detected in the vicinity, or PVC water main is present in that area.

An *ATS Leak Survey* can potentially pay for itself in only 10 days or less. This can only happen if the right firm is chosen to conduct this survey. No other leak survey firm has shown the ability to accurately find anywhere near as many leaks as *ATS* finds for our clients. The right firm for the Village of Palos Park is *ATS*.

### SCOPE OF WORK

*ATS Comprehensive Survey Program:* Every fire hydrant, accessible hydrant auxiliary valve, and every mainline valve will be monitored for leak sounds. When a water system starts to get tighter, there is more emphasis on the surveyor to have to dig deeper to find the leaks that are not making obvious leak sounds. This fact makes monitoring every valve essential to finding these tough leaks. Valves are the best quality listening point possible. The thoroughness of this aggressive survey ensures that every detectable leak is discovered.

Ultrasonic Leak Detection Phase: The existence and general neighborhood of every detected suspect leak is established with *FCS S-30 Ultrasonic Leak Detection Equipment*. A preliminary leak size and leak type classification is also made at that time. A significant difference between an *ATS Leak Survey* and the other surveyors is in the ultrasonic leak detection phase's number of checkpoints. You put yourself in the best position to detect more leaks by listening to as many points as possible, especially mainline valves. No one checks more points for leak sounds as accurately and as thoroughly as *ATS*.

Detection Survey Records: Every accessible fire hydrant, hydrant auxiliary valve and mainline valve is monitored for suspect leak sounds. B-Boxes are checked only in the vicinity of a detected suspect leak site. Valuable survey and system data is collected and logged on these records. *This data includes Appurtenance Type and Location, General Conditions Encountered, Accessibility, Map Discrepancies and Leak Sound Characteristics.*

Computerized Leak Analysis & Pinpointing Phase: Every suspect leak site, no matter how slight the sound, is electronically confirmed with one of our 10 computerized *FCS AccuCorr, FCS Tri-Corr 2002, FCS 9090 or Sewerin SeCorr Leak Noise Correlator Systems*. A leak's exact location is pinpointed by analyzing, timing, and measuring leak sound waves simultaneously from two monitoring points. The pinpointing phase begins with the re-surveying every suspect leak site, followed electronic Correlator analysis of that site to eliminate a suspect leak site or accurately confirm the presence and pinpoint a leak's exact location.

"X" Marks the Spot! The pinpointed location of every mainline, service line and valve leak will be marked in the field with an "X". The exceptions are homeowner's side service leaks and hydrant leaks. A *"Leak Location Report"* form documents the location and type, characteristics of every pinpointed leak.

Water Main / Service Line Tracing and Valve Location: All of the water main and service connections are accurately located in the vicinity of every leak location. This helps ensure that every survey leak is pinpointed as accurately as possible. All utility line location work is expertly performed with *Radiodetection RD7000, RD8100 High Performance Utility Location Systems, Schonstedt, CTS Berger and Radiodetection Ferromagnetic Metal Locators*. *No one works a leak site harder than ATS!*

Interim Survey Status Reports: *Survey Status Reports* are typically submitted monthly, or upon request whenever you need an updated project status report. This report gives you all the essential information you need so you will know the exact status of your survey with area-by-area completion percentages and water recovery. This report concisely summarizes all of our survey activities and findings, breakdowns of the number and type of leaks found in each area; plus, revenue recovery calculations for each leak you've already repaired.

Leak Location Reports: This is an individual report form that details the exact location and characteristics of each pinpointed leak. These forms are submitted daily as the leaks are pinpointed. The *Village* with actual leak repair information updates each *Leak Report* which is used to calculate water loss and revenue recovery data for the *Final Report*.

Final Report: Three (3) copies of a comprehensive *FINAL SURVEY REPORT* will be submitted after the completion of the survey. Additional copies are available upon request. These reports concisely detail all our survey activities and findings; estimated & calculated leak sizes; revenue recovery calculations for each leak; area maps showing leak locations, leak location reports; general observations and recommendations. The *Final Report* will be submitted within 30 days of the completion of our field work and all leak repair information received from the Village.

Initiating the Survey: We only need your verbal authorization followed by your Purchase Order and / or signed *ATS Leak Survey Contracts*, to schedule your *Pre-Survey Meeting*, and initiate your Survey. The *Pre-Survey Meeting* details all aspects of the survey, our survey procedures, types of documentation, survey duration, the kind of assistance we made request during the survey, repair information we'll need from the Village for our Final Report, projected survey results, and set up a starting date for the survey.

*There are more good reasons why choosing ATS makes excellent business sense.*

Superior Experience - *ATS helped introduce leak location correlators, and subsequently started to specialize in leak detection in 1979.* As a result, *ATS* has performed more leak surveys and pinpointed more leaks with this technology than anyone. *ATS* developed the leak survey techniques, correlator survey specs and field strategies that have become the standards for the industry. Over the years some of *FCS – Fluid Conservation Systems'* top people including Regional Managers, Sales Staff, Instructors have received training from *ATS*. *FCS* also uses *ATS* for testing new equipment developments and software upgrades.

Conserving Municipal Manpower and Resources - Public works departments are already stretched to their limit, providing quality services to your citizens. With our tremendous amount of municipal leak survey experience, *ATS* frees up your staff so that they can concentrate on their normal duties without distraction. Municipal involvement is normally answering questions and freeing up inaccessible points \ during the location phase on an *"as-needed basis"*.

24 Hour Customer Support During and After the Survey – *ATS never has less than two crews on call 24 hours a day / 365 days a year.* *ATS has a fleet of 10 Correlator Equipped "ATS Leakmobiles" out in the field five days a week.* Every mobile van is fully equipped with an experienced and trained two-person crew capable of handling any leak location or utility location situation you will ever have. While other water suppliers typically wait 3 or more hours for our competitors to arrive, *ATS* is almost always on the scene in 60 - 90 minutes or less of your call for help. No other firm consistently responds to emergencies as quickly as *ATS*.

Superior Results - For 44 years, *ATS* has been out in the field nearly every day performing leak surveys, utility locations and leak pinpointing. Subsequently our listening skills are going to be that much more acute. Your survey is more effectively accomplished while we detect more leaks and pinpoint them with more consistent accuracy than any other survey firm.

- No one listens more intently to every accessible access point than *ATS*. Therefore, we detect more suspect leak sounds than anyone else.
- No one spends more time analyzing a suspect leak site as thoroughly as *ATS*. Therefore no one pinpoints more leaks as accurately as *ATS* does. For our clients, more precise leak pinpointing means less digging and less restoration costs.
- *ATS* spends more time performing your leak survey so you can spend less time repairing them and get a greater return in recovering precious water and reducing your water losses.

*Pre-Survey Meeting:* Your verbal authorization followed by you Purchase Order and / or signed ATS Leak Survey Contracts, is all we need to schedule your Leak Survey. The Pre-Survey Meeting details all aspects of the survey. We will discuss how the survey will be performed, how to interpret the survey documentation, format, and delivery of survey data to your staff, and the type of assistance and cooperation that will be required during the survey. All Field and Administrative Personnel that would be involved or have a general interest in the survey are encouraged to attend.

*Scheduling your Survey:* We can typically schedule your leak survey to begin shortly after receiving your authorization to proceed. It's a good idea to wait until crews have finished any hydrant / water main flushing program to survey those areas. We often find leaking hydrants or some leaks that might have been caused by water hammering or subsequent water pressure variations during the flushing process. We would also ask for a list of streets that you might have scheduled for resurfacing. We would start the detection survey on those streets first so that you minimize the chances of covering up an old leak with a brand-new street surface. Many cities use ATS to survey their water main, before and after a construction project, just to make sure no leaks were caused by earth moving or other heavy construction equipment during construction activities.

We welcome the opportunity to meet with you and your staff to answer any questions you may have about *ATS Survey Equipment and Methodology*. Please take a little time to read through the enclosed literature, and feel free to contact anyone on the reference list that we've enclosed. We hope that as you review our proposal package that you will gain some new knowledge of our professional services and unique skills that give us the necessary expertise to perform a thorough and successful leak survey. Thank you for your consideration of *Associated Technical Services Ltd.*

Yours Truly,  
ASSOCIATED TECHNICAL SERVICES, LTD.

*Marcia A. Kaplan*

Marcie A. Kaplan  
Survey Manager

GENERAL CONDITIONS

LEAK DETECTION & LOCATION SURVEYS

Responsibility of ATS / Associated Technical Services Ltd.

- A) Two-Person crew qualified to operate the *ATS Leak Detection & Location System*.
- B) The “*ATS Leak Detection & Location System*” consists of:
- *FCS S30 and FCS S20 Ultrasonic Leak Surveyor Instruments (Leak Detection Phase)*
  - *FCS/Fluid Conservation Systems and Sewerin Leak Noise Correlators (Leak Location Phase)*
  - *FCS, Wilcoxon, Vibrometer, Sewerin Accelerometers, Gas Sensors, Hydrophone Sensors*
  - *Radiodetection RD7000 and RD8100 Utility Location Systems; CST Berger, Schonstedt and Radiodetection Ferro Magnetic Location Equipment for buried valve enclosures.*
- C) “*ATS Leakmobile*” - Mobile Van with self-contained power supply and /or capability of operating from an alternate VAC 60 Hz source, or suitable alternate vehicle at the discretion of *ATS*.
- D) *Mobilization / Mileage* – Round Trip, Portal-to-Portal and On-Site.
- E) *On-Site Consultation with the Owner* or their representatives, as necessary.
- F) The entire area designated by the *Owner* shall be surveyed for leakage. Detected leaks shall be pinpointed only on that part of the water system maintained by the *Owner*. Unless it is previously specified and ordered, customer service line leaks will only be pinpointed up to the municipal side of the curb stop without additional charges. Leaks on the customer side of the curb stop typically require a separate appointment so *ATS* can make contact with the service line inside the building.
- G) Only those leaks that are detected by the *ATS Leak Survey* are to be included in the pinpointing phase of this contract. Unless other previous arrangements are made, any pinpointing of any incidentally or coincidentally occurring leakage, main breaks or previously known leakage that was not initially included in our proposal or as a part of this agreement shall be charged at our normal rates for scheduled / emergency service callouts.
- H) If the “*Re-monitoring of Repaired Leak Sites*” service is specified, included in our proposal and ordered, this agreement, leak repairs to that site must be completed within 30 days after that leak’s location report was submitted to the *Owner*. The *Owner* then must notify *ATS* at the time of repairs so re-monitoring can be scheduled. All subsequently detected leakage will be located.
- I) *ATS* will establish and mark the location of a leak or leaks in the field with either marking paint, a field stake and / or written individual “*ATS Leak Location Report*”.
- J) *ATS* will provide basic traffic warning equipment and traffic control and re-direction with flagmen on an as-needed basis, whenever conditions dictate the necessity of these safety precautions. *ATS Work Zone Safety Equipment* includes but is not limited to safety vests, vehicle arrow boards, strobe warning lights and safety cones that are used whenever our vehicles are parked during the leak survey on residential and other light or slower traffic areas.

## GENERAL CONDITIONS FOR LEAK SURVEYS

### RESPONSIBILITY OF OWNER

The *Owner* will ensure easy access to all main line valves, valve boxes or other strategically necessary access points. This may also include exposing and cleaning out auxiliary valves and b-boxes on an as-needed basis if they will facilitate the accurate confirmation and pinpointing of a detected leak. *This could include* breaking loose needed valve covers; pumping water out all valve vaults and boxes and, if necessary, removing debris from those enclosures to make the valves and adjoining pipelines accessible. The *Owner* will also make access available to any point or location strategically needed by *ATS* to perform said work at the discretion of *ATS*.

- If the *Owner* orders leak pinpointing between the curb stop and the customer's building, the *Owner* shall be responsible for contacting the customer. Pinpointing can be performed on a weekday from 8:00 AM to 1:00 PM without incurring overtime charges. The customer is responsible for scheduling with *ATS*.
- The *Owner* will make available to *ATS* all available location maps, schematics, as-built drawings, final reports from previous leak surveys, and any other data pertaining to the area being surveyed.
- The *Owner* will make available knowledgeable, qualified personnel for consultation and assistance regarding the *Owner's* water system.
- Identify the authorized representatives of the *Owner* to act on behalf of the *Owner* and sign *ATS* agreements, purchase orders and additional work orders.
- Give *ATS* right of access, and necessary identification required, and notify appropriate authorities (Police, Fire Dept., Public Works Dept., etc.) as needed of program underway.
- The *Owner* will at its option, provide Traffic Warning Equipment, Traffic Control and Re-Direction with Flagmen on an as-needed basis, should conditions dictate the necessity of this safety precaution. Instances such as a lane closure in a heavy traffic area may require hiring the services of a Work Zone Safety Vendor to provide the necessary traffic control equipment such as barricades, warning lights, arrow panels and temporary barriers. The *Owner* must approve any use of a Work Zone Safety Vendor in advance. *The owner* will be responsible for the costs of the Work Zone Safety Vendor.
- *Owner's* repair crews shall make a reasonable effort to provide *ATS* with accurate leak repair information whenever this data is available. *Repair data should detail the following:* Date of repair; type of leak; approximate size and shape of the leak orifice; approximate water pressure; and method of repair. This information is necessary for *ATS* to make leak size, water loss and revenue recovery calculations for a comprehensive "*Leak Survey Final Report*".

*Please Note:* *ATS* does not guarantee the detection or accurate pinpointing of a leak or leaks but does assure that a best effort in that regard will be put forward.

Certain input data to the *ATS Leak Detection & Location System* is based upon information received from the *Owner*. The accuracy of the *Owner's* data will directly affect the results of the Leak Survey. *ATS* will attempt to verify such data by consultation with the *Owner* and thereupon will have a right to rely upon the accuracy of the *Owner's* data. *ATS* is not liable for any costs to the *Owner* as a result of incomplete or inaccurate data supplied by the *Owner* or their representatives.

ATS Experience, Manpower, and Equipment

- In 1979, *ATS* became the first company in America to use leak noise correlators.
- *ATS* developed the correlator-based leak survey procedures and methodology that are considered to standard of the industry and subsequently taught by *FCS* and *ATS*.
- Every *ATS Field Technician* is Fully Trained and Experienced in a wide range of applications. We only use *Top of the Line – State of the Art Equipment* for All Phases of Leak Detection and Location Procedures; Field Strategies and Locating All Types of Underground Utilities.
- *ATS Crew Chiefs* average over 10 - 44 years of Correlator Based Leak Survey Experience.
- Leading correlator manufacturers, *FCS/Fluid Conservation Systems, Metravib and Palmer*, have relied on *ATS* to perform beta testing of new equipment and software developments. *ATS* has trained some of *FCS*' key staff members and provides training assistance for new personnel.
- All phases of an *ATS Leak Survey* are performed with a fully trained Two-Person Crew.
- *ATS* has a fleet of Ten Complete Correlator Systems and dedicated Surveyor Vans with Crews, (*ATS Leakmobiles*) that are fully equipped with correlator systems; Utility Location Equipment and every tool needed to perform leak detection and location in all types of conditions.
- No other leak survey company matches *ATS*' Level of Experience, Accuracy and Results.

Leak Survey Equipment: *ATS uses the best equipment available on the market today. Here are some of the key components that are used to equip every "ATS Leakmobile".*

Leak Detection Phase

FCS S-30 Ultrasonic Leak Surveyors  
FCS S-20 Ultrasonic Leak Surveyors  
PGA 710 Ultrasonic Leak Surveyors

Leak Location Phase

FCS / Palmer Accu-Corr Correlators  
FCS TriCorr 2001 Leak Noise Correlators  
FCS C9090 Leak Noise Correlators  
FCS C2000 Leak Noise Correlators  
Sewerin 2008 SeCorr Correlators  
Radcom SoundSens Programmable System

Transducers (Sensors)

Various piezo-electric accelerometer types, Hydrophones and Gas Sensors are used depending upon the situation and sensitivity that is needed to find the leak.

Sewerin SeCorr 08 Preamplifiers

Utility Location Equipment

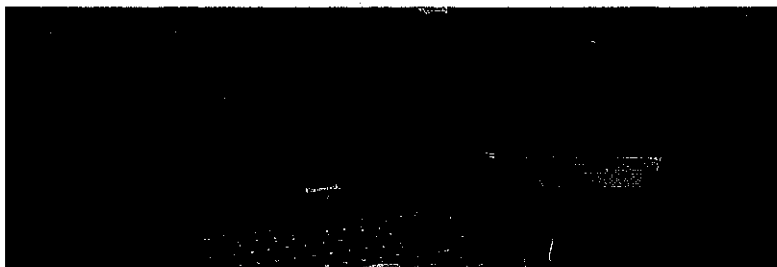
*All suspect water main and adjacent water service lines are electronically traced during every leak location to ensure accuracy.*

Magellan CX Professional	GPS Locator
Trimble TDS Recon	GPS Locator
Radiodetection Ground Penetrating Radar	
Radiodetection RD8000	Receivers
Radiodetection RD7000	Receivers
Radiodetection RD4000	Receivers
Radiodetection RD4000T10	Transmitters
Radiodetection RD433HCTx	Transmitters
CST Berger RD316	Metal Locators
Fisher FPID 2100	Metal Locators
Schonstedt GA-52CX	Metal Locators

Correlator Preamplifiers

FCS / Palmer Accu-Corr Preamplifiers  
FCS MP-90 Ultrasonic Preamplifiers

YOUR TEAM FOR SECURE + RELIABLE  
**Water System Solutions**



PROPOSAL TO PROVIDE

**The Village of Palos Park, IL**

Comprehensive Water Distribution System Leak Survey

*NOT CHOSEN*

Due: June 15, 2023 @ 9:00 AM

**M.E. SIMPSON**  
Co., Inc.



May 18, 2023

Daniel Foster  
Utilities Supervisor  
Village of Palos Park, IL  
8999 W. 123<sup>rd</sup> Street  
Palos Park, IL 60464

**RE: PROPOSAL FOR A COMPREHENSIVE WATER DISTRIBUTION SYSTEM LEAK SURVEY**

Dear Mr. Foster,

M.E. Simpson Co., Inc. is pleased to present the Village of Palos Park, IL our proposal for a Water Distribution System Leak Survey. We are honored to be considered for this work and are confident our team will help make the project a success.

M.E. Simpson Co., Inc. is a Professional Services Firm dedicated to developing and providing programs and services designed to maximize peak performance for our clients' water distribution systems. Many of these programs are universally recognized as a part of "Best Management Practices" (BMPs) for utilities. We pride ourselves on delivering solid solutions using the highest quality technical and professional services by way of state-of-the-art technology and a skilled and well-trained staff of professionals. Our highly educated engineers and technical team are committed to the success of this project. They will be ready at a moment's notice to relieve your staff's burden and ensure a seamless continuation of your services.

Our services were developed and refined to provide utilities with programs that can be customized to meet their needs. From complete "Turn-Key" services to assisting with the development of "in-house" programs for utilities, M.E. Simpson Co., Inc. serves our clients with this ultimate goal: to deliver to the public the implicit faith that "the water is always safe to drink".

Thank you for your consideration and this opportunity to acquaint you with our leak detection services and offer this response. We are committed to exceeding your expectations.

Sincerely,

A handwritten signature in black ink, appearing to read "RL", is written over a light blue horizontal line.

Randy Lusk  
Vice President of Innovations & Solutions

**Randy Lusk**  
Vice President of Innovations & Solutions

3406 Enterprise Avenue  
Valparaiso, IN 46383

800.255.1521 P  
888.531.2444 F

RandyL@mesimpson.com

## FIRM HISTORY

**M.E. Simpson Co., Inc.** was founded in 1979 by Marvin E. Simpson. We are based out of Valparaiso, Indiana, near Chicago, Illinois. Our firm has become the industry leader in developing and providing water loss assessment and Distribution system asset management programs and services, aiding our clients in maximizing their peak performance for their water Distribution systems. We offer the highest quality Technical and Professional Services, using state-of-the art technologies and highly skilled and trained professionals. Our staff has developed a host of high-tech programs that will ensure that your Utility will be proactive in dealing with your water Distribution systems. “Crumbling infrastructure, inaccurate records, conservation, sustainability, water quality, water loss, economic conditions, revenue shortfalls, being green, having enough water”; these are all statements and buzz words in today’s society. Currently in the water industry, these words are our reality, thus making them our responsibility.

We’ve maximized Distribution system performance and optimized Distribution system data, records, and mapping for all our clients. To date, we have provided Water Loss Control programs that have included over 80,000 Large Water Meters serviced, 100,000 miles of Leak Detection services and numerous water audit programs. Our Asset Management services have documented over 500,000 valves located and exercised. Our Fire Hydrant Flow testing program has recorded 80,000 fire hydrants inspected, flow tested, and water main capacity information developed.

### **Leak Detection History**

M.E. Simpson Co., Inc. developed its Water Transmission and Distribution Leak Survey services in 1987. Since then, we’ve improved the program so now it is a fundamental water loss control program for our clients. Our Water Transmission and Distribution Leak Survey services have been employed since 1987 in a majority of municipalities around the Chicago Metro Area and the Midwest and have spread to other utilities across the US. These programs have benefited municipalities from small systems consisting of 5 miles of pipe to systems with several thousands of miles of pipe. Additionally, our crews have been deployed to several locations throughout the United States including Georgia, California, and overseas to help utilities with their transmission and distribution system leakage issues. Our crews have the unique ability to be able to respond to individual Utility requests because of the cross training they have received performing all the services M.E. Simpson Co., Inc. provides.

Our project manager and personnel have all the equipment and abilities necessary to perform your leak survey and respond to any needs that the Utility may have. We are proud of the work we have performed using the latest technology and meeting the needs of "our customer" the Water Works Industry. We have played an important role in educating utilities about the need for and efficiency of annual water loss programs.

### **Leak Survey Project Understanding**

The Village of Palos Park, IL is seeking a qualified firm to provide services for a Water System Leak Detection Survey. The program is needed to be able to identify and quantify specific leakage issues that are occurring in the water Distribution system with the end aim of being able to provide specific directions for location and ultimate repair of the leaks and an overall reduction in the system’s water losses.

### **Company Qualifications**

M.E. Simpson Co., Inc. is a professional services company that specializes in water distribution asset management and water loss control services. Due to our niche company placement in the water industry, we do not qualify for the title of “contractor”, therefore we cannot be licensed as such. M.E. Simpson Co., Inc. has been performing valve exercising programs for 40 years. We have complete confidence that our knowledge and experience exceed the expectations of the Village of Palos Park, IL Leak Survey Program.

## SCOPE OF WORK

### Water Distribution System Leak Survey

The Field Scope of Service for the Leak Detection Survey is understood to be the following:

M.E. Simpson Co., Inc. will furnish all labor, material, transportation, tools, and equipment necessary to survey the water system areas selected by the city. M.E. Simpson Co., Inc. shall be required to provide such skilled and trained personnel and equipment necessary to complete the work herein specified. **There will be a minimum of Two Persons per team working on the survey at all times.**

- ◆ Work in an orderly and **safe** manner to ensure protection of the local residents, Utility employees, and the Field Staff so that no **avoidable** accidents occur.
- ◆ All Field Staff will have readily observable identification badges worn while in the field.
- ◆ The leak detection equipment to be used will be that which was described in the “Equipment to be used” section.
- ◆ Initially listen to **all fire hydrants, all accessible main line valves**, and when necessary, selected service connections in the entire Distribution system by making physical contact with the valve, hydrant, pipe, or B-box. (Listening points that are not accessible will be given to the Utility and when corrected they will be listened to.)
- ◆ Listening points of contact will be valves, hydrants, service valves or meter settings. The preference of listening points in order as follows, direct contact with the pipe, main line valves, hydrant valves, hydrants, then service valves or meter settings.
- ◆ Specific listening distances will be determined by pipe material. Metallic type pipes; no greater than 500’ between listening points. Non-Metallic AC/Concrete type pipes; no greater than 300’ between listening points. Non-Metallic PVC/HDPE type pipes; no greater than 150’ between listening points.
- ◆ A “suspected leak” log shall be maintained indicating all areas where suspected leak noise was heard. This log will be reviewed when the Project Team is verifying the suspected leak area for confirmation of the actual existence of a leak. This log will be a part of the periodic reports turned into the Utility regardless of an actual leak located in the area or not, **with an explanation of the noise source.**
- ◆ When leak noise has been detected and or suspected, the Project Team will verify the suspected area a second time to confirm the noise. At least four hours will pass between the initial listening of the area before a second listen and confirmation is attempted.
- ◆ The Project Team will **line locate** the water main and service lines in the immediate area so the correct pipe distances can be input into the leak correlator and also so that the Water Utility will have an idea of where the water main is located prior to excavation. Non-metallic pipe locations will be “interpolated” as best that can be identified, given the line location of metallic services, Utility knowledge of the area, or other information regarding the actual location of the main.
- ◆ The Project Team will use “State of the Art” **Electronic Leak Correlators** to determine if a leak is present and use the same equipment to pinpoint the leak.
- ◆ For PVC water mains only the Echologics LeakFinder-ST w/hydrophones leak correlator or Fluid Conservation Systems (FCS) Touch Pro leak correlator, will be used for correlations because of the ability for these correlators to be able to analyze the particular sound frequencies inherent to PVC pipe.
- ◆ The leak location will be marked in the field (on the surface) using environmentally formulated Precautionary Blue paint.

- ◆ The Project Team will document all leak locations with a diagram indicating the location of the leak. Other information related to that correlation will be included as part of the field sheet such as the filters used for the correlation, line locations, distances between sensors, etc.
- ◆ The locations of leaks requiring immediate attention (immediate threat to life, injury or traffic) will be turned in as quickly as possible to facilitate the repair process.
- ◆ The Project Team will report daily or per request of the Utility, to assigned Utility Professional and go over the progress of the previous day, as well as cover what will be surveyed the current day.
- ◆ It may be necessary to conduct parts of the Leak Survey during “off hours” such as at night. This may be required in areas of high traffic volume where traffic noise may affect the ability to detect leak noise, and traffic volume may affect the ability of the Project Team to be able to safely access main line valves in the middle of the street. The Project Team will give 24-hour advanced notice of intent to survey a particular area that may require after hours surveying or nighttime surveying. This is so the Utility can plan for the area to be surveyed, give notification to the Police department, as well as other Public Works Divisions as to the activity that will take place.
- ◆ As a part of the leak program, mapping discrepancies found, Distribution assets found in disrepair will be noted and turned into the utility.
- ◆ Leaks verified on the customer’s side of a service shut-off will not be located beyond the shut-off. If a leak appears to be on the Customers’ side, the Utility will be notified first, then the customer notified and permission granted prior to the water being shut off even for short periods of time where possible and as time allows, as well as the ability for the customer to respond.
- ◆ If the Utility requests leak locations beyond the service shut off on the customer’s side of the service line, this will result in an additional charge to the leak survey based on an hourly rate and this service must be agreed upon between the Utility and M.E. Simpson Co., Inc. prior to the start of the survey.
- ◆ Valves and hydrants will not be operated without Utility permission. Valves and hydrants that break during this type of operation are the sole responsibility of the Utility. M.E. Simpson Co., Inc. cannot be responsible for valves and hydrants that break due to pre-existing conditions.
- ◆ The Utility is encouraged to dig up and repair the leaks located as soon as possible so that the area may be re-surveyed while the Project Team is still working on the survey in that general geographical location to ensure no other leaks are present in that area.

## Equipment List

- ◆ FCS S30 Gutermann AquaScope electronically enhanced listening device.
- ◆ Echologics LeakFinder-ST w/hydrophones; FCS Touch Pro or Vivax-Metrotech HL6000X leak correlator systems.
- ◆ RADIO Detection Line Locators.
- ◆ Chicago Tape, Fisher M-Scope or Schonstedt magnetic locators.
- ◆ All necessary valve keys, listening rods, hydrant wrenches and hand tools.
- ◆ Truck mounted arrow board/signage and warning lights.
- ◆ Traffic control equipment, including properly sized traffic cones with reflective stripes.

## Quality Control and Accuracy of Leak Locations

The level of accuracy of leak detection is a matter of taking in all the above considerations and applying those considerations to each individual potential leak location as it is being evaluated. Any statement made as to the level of accuracy of leak locations must be considered based on the individual conditions of each leak.

Locating leaks on a Distribution system can be very challenging. It is not a perfect science. Pipes and fittings can leak for a variety of reasons (age, poor installation, material failures, bad soils, etc.), and the ability to locate leaks

is dependent on the stated variables listed in the “Project Approach”. By employing a strict methodology in the field for conducting a leak detection survey, these variables can be accounted for and mitigated. The depth of experience of the Project Team is extremely important to maintaining the ability to have accurate locations of leaks. Additionally, crews work as Two-Person Teams in the field, double checking the progress of the work as the survey progresses. The systematic procedure for leak confirmation has been stated in the Scope of Field Service and is restated here.

Suspected leak areas are always listened to a second time, preferably at a different time of day than originally listened to. The mains and services will be line located to ensure correct pipe distances are used for the correlations. Correlations may need to be performed several times with several configurations to ensure all the possible scenarios have been covered. Sewer manholes may need to be opened and flows observed. If there is any doubt as to the existence of a leak, the area may be checked and correlated at different times to rule out water usage or other factors. The progress of the survey will be monitored by the use of daily logs and a progression map with suspected leak noise indications marked and possible leak locations will be maintained. Field leak location forms will be turned into the Utility according to the agreed schedule. The Project Team will follow up on leak locations by monitoring the repair schedule of the Utility. That way in case a potential leak location is wrong, the Project Team can return to the site and determine why the leak location was incorrect and correct it. This means maintaining a good level of communication between the Project Team in the field, and the Utility.

As a matter of Quality Control for leaks in the field, our Correlators, FCS Touch Pro and Echologics LeakFinder-ST have the distinct ability to be able to detect and pinpoint more than one leak in the same relative area, thus allowing better leak coverage and insuring that one leak is not “masking” another leak in the same area. The use of progress reports and meetings will allow for open discussions of problems encountered so solutions can be examined.

### Utility Observations

The M.E. Simpson Co., Inc. Project Team will welcome having staff of the Utility observe field procedures while the Leak Detection Survey is in progress. They will be happy to explain and demonstrate the equipment and techniques that are employed by M.E. Simpson Co., Inc. for detecting and locating leaks on the Water System.

### Final Reports, Documentations & Communications

***M.E. Simpson Co, Inc. will perform the following:***

- ◆ Project Team will **meet daily** with assigned Utility personnel to go over areas of survey for prior workday and plan current day and area to survey.
- ◆ The field technicians will be readily available by cellular phone. This will facilitate communications between the Utility and the field technicians. A **24-hour toll-free 800 number** is available for direct contact with M.E. Simpson Co., Inc. for emergencies.
- ◆ **Diagram all leak locations**, date of location, and classify according to severity and an estimate of loss.
- ◆ **The Project Manager will** meet with the Utility regularly for a progress report.
- ◆ **Prepare a progress report** at monthly intervals for the Utility if requested.
- ◆ Develop a **Leak Survey log** of activity which will also have confirmed leaks listed and this list will be turned in weekly (in the Utility preferred format). The list will also be included with the final report that will include the following:

Effective communication...  
accurate documentation...  
**Ensuring the success for  
the leak detection survey**

1. Mechanical deficiencies discovered.
  2. Mapping errors on the water atlas.
  3. Type of monitored appurtenances.
  4. Location of same for leaks discovered.
  5. Total estimated loss
- ◆ Provide a paper map with numbered location IDs and ArcGIS files showing a point location for each leak. The ArcGIS shapefile/geodatabase shall include the following attribute fields:
    1. Location per sub-meter GPS.
    2. Date of leak test.
    3. Estimated severity in GPM.
    4. Notes (as applicable).
  - ◆ **Prepare the final report** at the completion of the project which will include all leak location reports with drawings, total of estimated water loss, total pipe distance investigated, a description of the area surveyed, and other problems found in the system during the course of the survey that need the attention of the Water Utility. The leak summary will list leak types such as main leaks, service line leaks, valve leaks, or hydrant leaks.
  - ◆ A cost benefit analysis of the survey based on the “cost to produce” water will also be included that describes the financial impact to the Utility for water loss. Recommendations for system maintenance will be a part of this report based on field observations made during the survey. **This final report shall be made available for submission to the Utility within thirty (30) working days of the completion of the fieldwork.**

### Assumptions & Services Provided by the Utility

- ◆ The Utility will provide access to documents, records, electronic and paper maps, and data sources. These detailed items are necessary to properly conduct the water distribution system leak survey. These will include:
  1. ArcGIS Online internet mapping application, which allows on-screen distance measurements.
  2. Exported copy of the Utility’s water GIS database in shapefile or other ESRI-compatible format.
  3. Electronic version of the Village-wide map in PDF format.
  4. PDF versions or paper copies of detailed engineering drawings only as needed and available.
- ◆ The Utility will assist as necessary to clean out service valves, meter pits and valve-boxes needed for listening.
- ◆ The Utility will provide a Primary Contact Person and/or secondary contact person for the Field Staff to report to on a periodic basis. This person shall act as the official liaison for the duration of the Leak Survey. This person shall have a working knowledge of the water system and will be helpful in attempting to locate particularly hard-to-find water valves for listening and for general information about the water system. **This person will not need to assist the Project Team on a full-time basis**, but only on an “as needed” basis.
- ◆ The Utility will assist, if needed, to help gain entry into sites that may be difficult to get into due to security issues or other concerns.
- ◆ The Utility will assist, if needed, to locate all nonmetallic pipe within the service area. This would include all Concrete Cylinder pipe, Asbestos Cement Pipe, PVC pipe and HDPE pipe.
- ◆ We will encourage the immediate digging of major leaks (main breaks) so that if there are problems with the leak location, the problems can be corrected while the Project Team is close by and can verify the site.

## PROJECT SAFETY PLAN

M.E. Simpson Co., Inc.'s Safety Programs cover all aspects of the work performed by M.E. Simpson Co., Inc. We take great pride in our safety plan/policy/program and that is evident in our EMR scores over the last five years. The safety of our employees, the utilities employees and that of the general public is our #1 priority.

Our Safety Plan/Policy/Program, with all of its parts, is 60 pages in length. In an effort to be more efficient and less wasteful we do not print copies of the safety program for RFPs. There is nothing secretive or proprietary contained within our plan/policy/program and we are happy to share its contents. If you would like a PDF copy of our plan/policy/program please contact Terrence Williams, Operations Manager, at (800) 255-1521 and a copy of our program will be sent via email to you.

Below is an overview of our plan/policy/program:



**Safety** is a major part of any project. M.E. Simpson Co., Inc. always provides a safe work environment for its employees. **Our staff is trained in General Industry OSHA rules, Confined Space Entry & Self-Rescue, First Responder First Aid, CPR, and Traffic Control.** While in the field on your project, M.E. Simpson Co., Inc., and its employees will follow all of the necessary safety procedures to protect themselves, your staff and the general public.

### **M.E. Simpson Co., Inc. uses Two-Man Teams for Safety and Quality Assurance.**

The use of a "one-person" leak detection team is dangerous and impractical where water mains run under roadways. It would be a dangerous precedent to allow a "one-person" team to access main line valves located in the roadway, attempt to listen to the valve with headphones on, and at the same time try to control traffic flow at that person's location in the street.

**Therefore M.E. Simpson Co., Inc. adheres to the following:**

- ◆ The Project Manager and the Field Manager will be trained in accordance with OSHA Standard 1910 (General Industry) and be in possession of an OSHA 10 Hour or 30 Hour Card.
- ◆ Any activity located in a "confined space" such as pit and vault installations that **require entry** will be treated in accordance with the safety rules regarding **Confined Space Entry, designated by the Utility, The Department of Labor and OSHA.**
  - All personnel are trained and certified in Confined Space Entry & Self-Rescue.
- ◆ We will follow all safety rules regarding **First Responder First Aid & CPR, designated by the Utility, The Department of Labor and OSHA.**
  - All personnel are trained and certified in First Responder First Aid & CPR.
- ◆ We will follow all traffic safety rules, **designated by the Utility, The Department of Labor, OSHA, and the Department of Transportation.**
  - All personnel are trained and certified, by the **AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA)** in Traffic Control and Safety.

Current documentations of safety training and certifications can be provided for all project personnel for the Utility. These certifications are current and up to date for all project personnel.

## INDUSTRY KNOWLEDGE

At MESCO, services are tailored to the specific needs of our clients. Our participation can range from the small specialized work supplementing the work of any in-house staff, to complete development of full-scale water system programs.

With continuation and enhancement of the Village of Palos Park, IL water distribution system leak survey program, we will support a fundamental cornerstone of the Village of Palos Park, IL Water Loss Control Policies. Our team brings to Village of Palos Park, IL a demonstrated experience and a unique perspective in leak detection services.

From MESCO's in depth experiences working with several water utilities performing water distribution system leak survey programs there have been some very similar issues from each utility that have been clearly exposed. Utilities expect the work process to be able to be performed at a high level, with competent technicians and staff, and that it is done efficiently. There are three basic objectives that should be met by the Project Team:

- 1. Expertise.** The Village of Palos Park, IL needs breadth and depth to help solve the variety of water system challenges that it faces in maintaining the water infrastructure – which is large, complex, aging and requiring upgrading to address new water needs and water loss issues. With our Team's experience in every aspect of water loss control and optimization, we can often provide support that assists the utility in avenues well beyond just the leak project scope.
- 2. Streamlined Access.** The Village of Palos Park, IL needs to be able to easily access and manage the Project Team's expertise to bring it to bear on distribution system leakage issues rapidly and with the least possible administrative burden to the Village of Palos Park, IL. However, the Village of Palos Park, IL will need to have considerable input to the process by providing needed data for analysis. In this respect, interaction with utility staff will be needed to produce quality water system leak detection efforts.
- 3. Professional Working Relationships.** The Village of Palos Park, IL must be confident that the Project Team is working as true professionals, putting the Village of Palos Park, IL's interests first. The professionals in the Village of Palos Park, IL organization must have good working relationships with MESCO's professionals. Both parties should look for opportunities to complement each group's goals and ultimate requirements of the Village of Palos Park, IL customers.

The strengths of the M.E. Simpson Co., Inc.'s organization and staff, as well as our specific approach to this assignment, will fulfill all of the Village of Palos Park, IL's needs for their water distribution system leak survey.

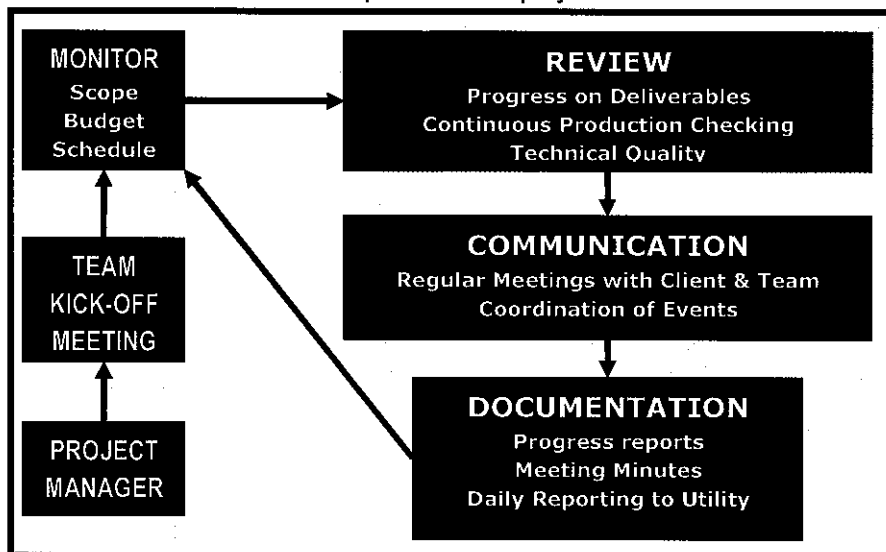


## PROJECT MANAGEMENT APPROACH

M.E. Simpson Co., Inc.'s project management approach is what leads to our proven track record to complete projects on time and within the budget established. Based on our experience, we have developed project management practices that will ensure the Utility of effective communication and project tracking throughout this project. We will follow the Project Management Institute (PMI) standards, including the Project Management Body of Knowledge (PMBOK). These globally accepted standards will assure this project is planned, executed, monitored, and controlled in accordance with world class procedures. M.E. Simpson Co., Inc. has seasoned and experienced managers and technicians that will have continuous input, ensuring the results of the Water Distribution System Leak Detection Survey exceed the expectations of the Utility.

Our project management system establishes - the single project manager – who has the responsibility and authority to act on behalf of M.E. Simpson Co., Inc. This project manager will stay with the project from beginning to the successful completion. The project manager's specific responsibilities include:

- ◆ Coordination of all activities in this project.
- ◆ Establishing key decisions and review milestones during this project.
- ◆ Preparing an initial project development plan identifying the schedule of work tasks and key personnel to perform the work in the field to meet the milestones and objectives.
- ◆ Coordinate communications and meetings with the Utility as needed or required to review technical concepts and alternatives, soliciting staff input and coordinating activities with the project team.
- ◆ Prepare periodic reports as needed and meet with the Utility on a regular basis summarizing project scheduling, progress and maintaining the project within the budget stipulated.
- ◆ Oversee the execution and development of the project deliverables.



Project management remains an important activity during the project and does not stop with the Project Manager. For the water distribution leak survey, each member of the project team is dedicated to providing the best leak detection program that can be attained using the state-of-the-art technology and equipment, field experience and engineering knowledge. Our team will be made up of experienced water professionals that are experts in water loss control such as leak surveys and pinpointing, water meter evaluation/testing (residential, commercial,

wholesale, and production meters), and water distribution system hydraulic modeling, fire hydrant maintenance/flow testing and valve assessment and exercising.

It is this combination of experience and knowledge that has helped shape our approach to leak surveys in distribution systems because the team members have the capacity to make on the spot decisions regarding any fine tuning of the program. They will maintain constant communication with the Utility District and the Project Managers regarding their progress as well as any major issues needing immediate attention and discussion.



MESCO team members have been highly active with the AWWA Water Loss Control Committee helping with the rewrite of the M36 Manual, M33 Manual and revisions to the free Water Audit Software tool. Each team member is highly experienced in the implementation of leak surveys as well as other water loss control programs. It is our team's combination of field experience and engineering knowledge that has shape our approach to water loss control programs in distribution systems. The individual team members have the capacity to make sound decisions regarding any fine tuning of the leak survey. They will maintain constant communication with the Utility and the Project Manager regarding leak survey progress.

MESCO is sure that the selection of our team to perform this work will provide the Utility with exceptional experience, sound decision making, and a level of service providing the following advantages:

- ◆ A professional team with a specialized expertise in leak detection and water loss management
- ◆ One of the finest and highly experienced technical and engineering team with the capacity to provide the highest quality work for the Utility.
- ◆ A project approach that incorporates interim reporting and continuous input opportunities by the Utility.
- ◆ Innovative proven analysis techniques developed from the completion of several similar projects that sought the same scope and results as this project.

#### ***Project Quality Assurance/Quality Control***

Quality is of the utmost importance to MESCO Team – not merely because of the Utility and other client's requirements, but because it is vital to our continued success and viability. Quality management and services bring to all of us the rewards of jobs well done, satisfied Utility staff, and successful projects.

Our QA/QC program is built around several key elements of each participating firm's mission and values which consist of:

- ◆ Maintaining a reputation for the highest quality performance
- ◆ Client satisfaction
- ◆ Continuous process improvement
- ◆ Open communication with the field staff and the Utility
- ◆ Teamwork

The QA/QC plan for this project is very simple. No work will leave MESCO Team until it has been verified that all the requirements and objectives of the project as well as the requirements of the project QA/QC managers have been met. During the project, the Project Manager and/or the QA/QC manager will meet with the Utility to ensure that the work product is technically correct, but also meets the needs and expectations of the Utility. Every step will be well documented for progress reports.

MESCO Team's professional services are grounded in sound principles that meet the tests of time from past successes of hundreds of leak detection projects will satisfy the quality requirements of the Scope of Service. Each member of the project team has a thorough understanding of the project objectives. Every member of the team will apply sound methodology and principles, and are expected to produce quality, accurate and complete documents. The QA/QC procedure has been developed and implemented based on tried and proven methodologies. The prevention of poor-quality service is based on four sound principles:

- ◆ Quality management of the project by using experienced personnel committed to excellence.
- ◆ Conformance to requirements by being knowledgeable of all local conditions in the field and keeping abreast of new cutting-edge water loss remediation methods.
- ◆ Prevention of rework and errors by using teamwork, cross checking the leak survey procedures every step of the way and having staff knowledgeable in all aspects of leak survey projects.
- ◆ Quality is built in - not added on. The project management and staff have shown that a quality service is produced when the project tasks are properly sequenced and carried out to the final termination of the program using the built-in system of checks and balances.

## Leak Detection Methods and Procedures

MESCO Leak Detection Teams are made up of experienced water professionals with expertise in conducting leak surveys and leak pinpointing. They are trained to follow specific procedures, utilizing state-of-the-art technology and equipment, field experience and engineering knowledge.

Pinpointing leaks requires more than just running a correlator. To maximize location accuracy and minimize error, a precise methodology must be employed. MESCO Teams will investigate, measure, and gather all the necessary information, which includes but is not limited to the following:

- ◆ Pipe Size and Material
- ◆ Layout of water piping infrastructure, verified via Line-Location Technology
  - This includes service lines, hydrant legs, and any other connections to the pipe in the suspected leak area
- ◆ History of leakage in suspected area
- ◆ Measurement of pipe segments for accurate correlation
- ◆ Identify which listening points are the "loudest" to narrow down and focus in on the suspected leak area
- ◆ Identification and impact of other possible noise sources (i.e. pumps, electrical interference, traffic, etc....)
- ◆ Determine if there any partially or fully closed valves, which may result in reduced pressure on the pipe, or even cause noise as water flows through these "restrictions"
- ◆ Inspect storm and sewer structures for leakage inflow, as necessary

Once the appropriate information has been gathered, MESCO Leak Teams will methodically narrow down the suspected leak area, until the leak has been pinpointed using a correlator, or other appropriate means.

**Verification of suspected Leak Locations is of the utmost importance!**

Our team will utilize the following QA/QC methods to ensure that the leak location is as accurate as possible:

- ◆ When possible, verifying the leak location by correlating its position from multiple correlations, conducted from multiple listening points
- ◆ Pinpoint confidence is greatly increased by obtaining the same leak location via different correlations and listening points, and reduces the possibility of error
- ◆ Any connections located within 10% of the total correlation length to the suspected leak area will be investigated, to ensure that the leak is, in fact, on the pipe being investigated, and not on an adjacent connection
- ◆ Leaks found on Services can be verified by temporarily shutting off the service
- ◆ *This is only done with the permission of the utility, and coordination with the property owner*
- ◆ Hydrant Leaks, where it is suspected that the hydrant isn't fully closed, can be verified by closing the hydrants auxiliary valve, to see if the leak noise dissipates
- ◆ *Attempting to close the hydrant and stop the leakage by tightening the operating nut is done only with the permission of the utility*
- ◆ Using a ground mic is another method that can be utilized as a verification method, depending on the situation and local conditions

### Leakage Estimation

- ◆ M.E. Simpson Company, Inc. adheres' to the policy of assigning conservative leakage estimations to suspected leaks. These estimations are based on more than 30 years of extensive experience, along with other factors such as, the audio frequency of the leak, its audio volume, the pipe material and size, soil type and condition, and the distances over which the leak noise travels to the various listening points.
- ◆ For suspected leaks which have not surfaced and/or are not visible, there is no precise methodology for leakage estimation. Even when a leak is "surfacing" or is visibly discharging into a storm/sewer structure, there is no guarantee that what is visible represents the entirety of the leakage flow. Estimates must be made based on situational specifics, best judgement, and prior experience.
- ◆ Once a leak has been excavated, and the full extent of the defect is known, more accurate, but limited, estimations of the flow rate can be made, based on the measured geometry of the defect and the operating pressure. However, the leakage effects of certain types of defects are not easily measured, such as full-circumference breaks, lateral splits, and complete failures where the damage is profound and extensive. Even with this information, it is usually not possible to determine how long the leak has existed, or the total volume that has escaped during its existence.
- ◆ It is similar for hydrant leakage estimates, where the hydrant valve has not closed completely, or the valve seat is obstructed. These types of "leaks" are not visible, as the water usually escapes the hydrant barrel through drainage ports and cannot be readily quantified. Small, reasonable estimates are generally assigned in these situations.

## SCHEDULE OF WORK

**Kick Off Meeting and Commencement of work:** Within 30 days of “Notice to Proceed” or as agreed upon between the Utility and M.E. Simpson to meet with Utility staff to go over project goals and objectives. Field work will begin the same day or agreed upon by the Utility and M.E. Simpson Co., Inc.

**Fieldwork to be completed and documented:** Field work will be started as agreed upon by the Utility and M.E. Simpson Co., Inc. Assume one field team (2 persons each), between 6 and 9 days in the field for completion of field work for the water distribution system leak survey, starting around July 15<sup>th</sup>, 2023. Additional leak survey work beyond the approximate 53.4 miles of water main will be based on a per mile fee and may cause a shift in the completion date.

**Daily Work Hours:** Normal “on site” daily work hours will be 7:00 AM to 4:30 PM. Any work that needs to be performed outside the normal work hours will be discussed with the Utility at least 24 hours in advance.

**Daily Reporting:** The Field staff will meet with assigned Utility staff daily or as needed and determined by the assigned Utility Manager. Leaks located that need immediate attention will be documented and submitted immediately for the Utility’s attention. Minor leaks will be reported daily for scheduling of repair. Appurtenances that need moderate to severe repair to listen to the water main will be turned in to assigned Utility Manager daily or as agreed upon by, prioritized by severity.

**Periodic Reports:** Weekly summary reports will be available 5 workdays after field work has been validated for the program for each week, for the Leak Detection work. These reports will have all the leak survey information compiled during the project for the week.

**Final Reports:** Final summary reports will be available 30 workdays after field work has been completed for the program. These reports will have all the leak data compiled during the project and will be completed by September 30, 2023.

## EXPERIENCE OF KEY PERSONNEL

Our team brings the necessary experience for a project of this magnitude, as well as the personal attributes needed to serve the Village of Palos Park, IL with distinction. We offer our clients the highest quality technical and professional services, using state-of-the-art technologies and highly skilled and trained professionals. The M.E. Simpson Co., Inc. team members selected to serve the Village of Palos Park, IL bring significant experience and a proven track record of delivering timely, cost-effective and sound leak survey solutions.

They share a passionate commitment to client service and attention to detail required for a successful project. The Organizational Chart at right illustrates the Project Team for the utility's Unidirectional Water Distribution System Leak Survey program. One of the two Project Leaders listed will lead the Project Team in the field. **Two-Man Project Teams will be used at all times during the course of the project for reasons of safety and quality assurance.**

### **Project Manager: Christopher Hughley**

Chris Hughley has been with the Company since November 2006. He previously worked in the retail industry before becoming a project leader with M.E. Simpson Company. Chris has traveled all over the country and world completing various projects including jobs in California, New Jersey, Minnesota, Arizona, Georgia and Turkey.

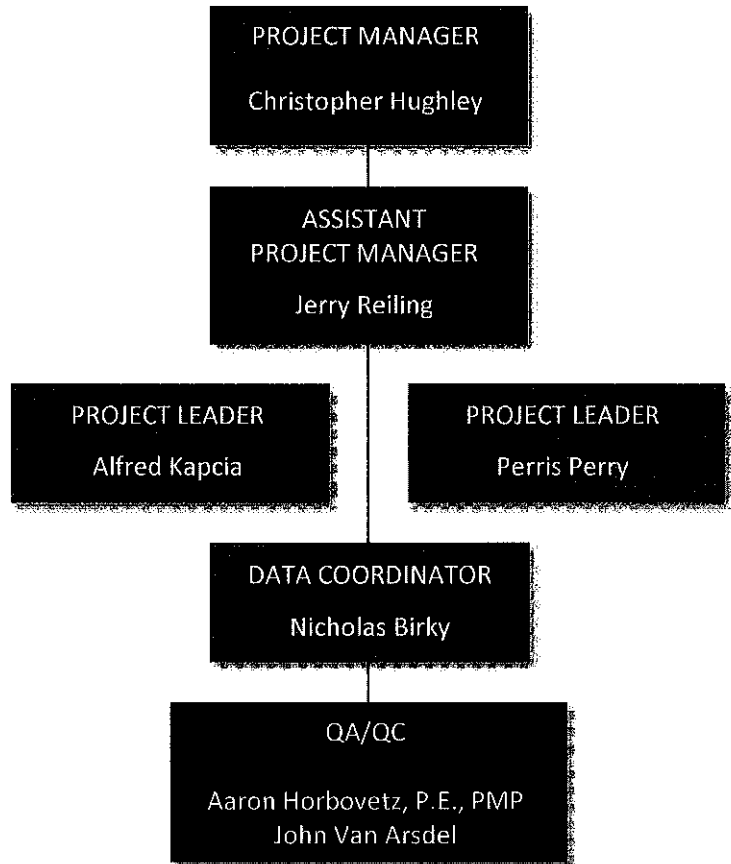
Chris has attended numerous classes and lectures on the operation and maintenance of water meters. He has experience in the maintenance and installation of water meters; in valve location, exercising and mapping; and in the use of state-of-the-art leak detection equipment. Chris is experienced in water meter, fire hydrant and water main capacity flow testing, and the operation of our Polcon® Flow Testing equipment

### **Professional Certifications:**

- ◆ 10-Hour OSHA Certified for General Industry
- ◆ American Red Cross First Aid and CPR with AED Certified
- ◆ American Traffic Safety Services Association Flagging Certified
- ◆ Extensive Traffic Control Training
- ◆ Extensive Confined Space Training

### **Assistant Project Manager: Jerry Reiling**

Jerry Reiling has been with the Company since May 1996. He is a graduate of Purdue University with a B.A. in Physical Education. Jerry previously worked in both the environmental services industries and HVAC for 10 years. He is responsible for day-to-day operations of field crews for the M.E. Simpson Co., Inc. Dyer, Indiana



office. Jerry has over 19 years of experience directing and conducting water loss reduction programs in the field, specifically leak detection and leak locating, along with meter testing. He has completed classes and attended lectures on the operation and maintenance of water meters. Jerry is very experienced in the following: the operation and maintenance of water meters; main line water valve location, exercising and mapping with GPS; hydrant flow testing and hydrant maintenance, Unidirectional Water Main Flushing, use of state-of-the-art leak detection equipment, and the operation of our Polcon® Flow Testing equipment used for hydraulic studies.

**Professional Certifications:**

- ◆ 10-Hour OSHA Certified for General Industry
- ◆ American Red Cross First Aid and CPR with AED Certified
- ◆ American Traffic Safety Services Association Flagging Certified
- ◆ Extensive Traffic Control Training
- ◆ Extensive Confined Space Training

**Project Leader: Alfred Kaptcia**

Alfred Kaptcia has been with the Company since September of 2015. Prior to working for M.E. Simpson Company, Inc., Alfred was a student at Indiana University Northwest. Alfred has attended numerous classes and lectures related to the operation, maintenance, and installation of water meters, and completed classes in plumbing. Alfred has experience in the maintenance and installation of water meters; valve location, exercising and mapping; fire hydrant and main capacity flow testing; and the use of state-of-the-art leak detection equipment. He is also experienced in the use of all of our Polcon® Flow Testing equipment.

**Professional Certifications:**

- ◆ 10-Hour OSHA Certified for General Industry
- ◆ American Red Cross First Aid and CPR with AED Certified
- ◆ American Traffic Safety Services Association Flagging Certified
- ◆ Extensive Traffic Control Training
- ◆ Extensive Confined Space Training

**Project Leader: Perris Perry**

Perris Perry has been with the Company since August 2016. Prior to working for M.E. Simpson Company, Inc., Perris worked as a pharmacy technician. Perris has attended numerous classes and lectures related to the operation, maintenance, and installation of water meters as well as leak detection. Perris has experience in the following: maintenance and installation of water meters; valve location, exercising and mapping; fire hydrant and main capacity flow testing; and the use of state-of-the-art leak detection equipment.

**Professional Certifications:**

- ◆ 10-Hour OSHA Certified for General Industry
- ◆ American Red Cross First Aid and CPR with AED Certified
- ◆ American Traffic Safety Services Association Flagging Certified
- ◆ Extensive Traffic Control Training
- ◆ Extensive Confined Space Training

**Data Coordinator: Nicholas Birky**

Nicholas Birky has been with the Company since April of 2010. Nicholas is a graduate of Purdue University with a Bachelor of Science in Economics and a graduate of Indiana University with a master's in economics. Nicholas maintains and analyzes all leak databases and data for leak detection survey projects.

**QA/QC: Aaron M. Horbovetz, PE, PMP**

Aaron Horbovetz has been with the Company since September of 1999. He earned his degree in Mechanical Engineering from Purdue University, completed his EIT work and recently passed the PE exam for the state of Indiana. Aaron is a regular presenter at AWWA conferences since 2012, both at section meetings and at the ACE conferences.

He has attended numerous classes and lectures related to the operation, maintenance and installation of water meters, and completed classes in plumbing. Aaron has experience in the following: maintenance and installation of water meters; valve location, exercising and mapping, fire hydrant and main capacity flow testing, and the use of state-of-the-art leak detection equipment; and is also very experienced in the use of all of our Polcon® Flow Testing equipment.

**Professional Certifications:**

- ◆ Licensed Professional Engineer, Indiana
- ◆ Certified Project Management Professional (PMP)
  - Member of Project Management's Institute Calumet Chapter
- ◆ 10 Hour OSHA Certified for General Industry
- ◆ American Red Cross First Aid and CPR with AED Certified
- ◆ American Traffic Safety Services Association Flagging Certified
- ◆ Extensive traffic control training
- ◆ Extensive confined space training

**QA/QC: John H. Van Arsdel**

John H. Van Arsdel has been with M.E. Simpson Co., Inc. since May 1989. He graduated from Valparaiso University with a B.A. in Geography with an emphasis in Locational Evaluation and Research Design. Additional classes include water operator's classes and seminars on Water Filtration and Distribution, Vulnerability Assessment Class for the Sandia Labs RAM-W method and the RAM-W "modified" for small to medium systems (*licensed for the Sandia Labs RAM-W Method, and the RAM-W "modified" for small to medium water systems*), along with classes related to the operation and maintenance of water meters, and system hydraulics specifically related to the Polcon® Flow Testing equipment.

John has over 34 years of experience directing projects for water utilities including water audits, loss prevention, leak detection programs, meter evaluation and maintenance, flow testing using the Polcon® Flow Testing method (large flow meter assessments, C-factors, pump curves, zone flow measurements), mainline valve assessments (location, exercising and mapping programs), and fire hydrant and main capacity flow testing programs. He has presented numerous classes for continuing education credits for water operators for over 24 years to several local and state water works organizations on Water Loss Reduction including Water Audits, Leak Detection, Meter Testing and Flow Testing. He has presented water loss papers at the AWWA ACE in 2007, 2008, 2009, 2012, 2015, 2016, 2018, and the former DSS (now the WIC), 2010, 2011, 2012, 2014, the NAWL 2015, 2017, and 2019. In 2003, he conducted classes on Vulnerability Assessments and Emergency Response Planning for water utilities and conducted several VA and ERP projects. He served from 2010 to 2014 as Chair of the AWWA Water Loss Control Committee. For the Illinois Section in 2014-2015 he set up the Train the Trainer classes for Water Auditing and trained several sets of trainers and was the lead trainer for the Indiana Section AWWA Water Auditing and Validation training for 2019-20 that is being handled by the Indiana Finance Authority. John is a Certified Water Audit Level 1 Validator for California and Indiana.

M.E. Simpson Co., Inc. | Palos Park, IL – Leak Detection Survey  
Key Personnel Qualifications

**Professional Certifications:**

- ◆ 30 Hour OSHA Certified for General Industry
- ◆ American Red Cross First Aid and CPR with AED Certified
- ◆ American Traffic Safety Services Association Flagging Certified
- ◆ Certified Water Audit Validator (Indiana)

## LEAK SURVEY REFERENCES

### City of Joliet, Illinois (2008 - Current)

M.E. Simpson Co., Inc. has been performing water loss assessments for the City of Joliet since 2008, including leak detection surveys and “on call” emergency leak detection services as a way to reduce water loss in the distribution system. The program for 2019 surveyed approximately 685 miles of water main and located 130 leaks. These leaks were estimated to be costing the utility in excess of \$440.60 per day or \$160,817.00 annually. The survey paid for itself in water loss recovery in 4 months based on the Variable Cost (production cost) of water. This project cost a total of \$59,200.00 and was completed in 144 days.

Ms. Allison Swisher, P.E.  
Director of Public Utilities  
City of Joliet  
921 East Washington Street, Joliet, Illinois 60433  
815.724.4230  
[aswisher@jolietcity.org](mailto:aswisher@jolietcity.org)

### Village of Downers Grove, IL (2011-2020)

M.E. Simpson Co., Inc. conducted a Leak Survey on approximately 233 miles per year as a way for the Village to reduce water losses occurring in the distribution system. The completed Leak Survey Program in 2014 resulted in the location of 20 leaks totaling 364,320 gallons of water per day. The leaks were estimated to be costing the utility in excess of \$562,491.86 annually using the cost of water sold per 1,000 gallons. This project cost a total of \$39,600.00 and was completed in 49 days.

Mr. David Moody  
Water Division Manager  
Village of Downers Grove  
5101 Walnut Avenue, Downers Grove, IL 60515-4074  
630-434-5462  
[dmoody@downers.us](mailto:dmoody@downers.us)

### Village of Shorewood, IL (2014-2020)

M.E. Simpson Co., Inc. conducted a Leak Survey on approximately 105.5 miles in 2018 as a way for the Village to reduce water losses occurring in the distribution system. The most recent completed Leak Survey Program in 2018 resulted in the location of 23 leaks totaling 59,040 gallons of water per day. Using a production price of \$3.50 per thousand gallons these leaks were estimated to be costing the utility in excess of \$201.60 per day or \$73,840.00 annually. The 2018 leak survey paid for itself within 3 months. This project cost a total of \$19,500.00 and was completed in 25 days.

Mr. Noriel Noriega  
Superintendent of Public Works  
Village of Shorewood  
1 Towne Center Boulevard, Shorewood, Illinois 60404  
815.725.2150  
[nnoriega@vil.shorewood.il.us](mailto:nnoriega@vil.shorewood.il.us)

**Village of Carpentersville, IL (2011, 2014, 2016, 2018, 2020)**

M.E. Simpson Co., Inc. conducted a Leak Survey on approximately 129 miles as a way for the Village to reduce water losses occurring in the distribution system. The 2014 Leak Survey Program had a total of 118 leaks totaling 282,240 gallons of water per day. Using a selling price of \$5.24 per gallon for these leaks were estimated to be costing the utility in excess of \$1,478.94 per day or \$539,812.22 annually. The 2014 leak survey paid for itself within 2 months and the 2018 survey paid for itself in 7 months. This project cost a total of \$14,500.00 and was completed in 57 days.

Mr. Kevin Gray  
Director of Public Works  
Village of Carpentersville  
1200 L.W. Besinger Drive, Carpentersville, Illinois 60110  
(847) 551-3493  
[KGray@cville.org](mailto:KGray@cville.org)

**City of Batavia, IL (2020)**

M.E. Simpson Co, Inc. conducted a Leak Survey on approximately 157 miles of water main as a way for the City to reduce water losses occurring in the distribution system. The completed Leak Survey Program in 2020 resulted in the location of 20 leaks totaling 149,760 gallons of water per day. The leaks were estimated to be costing the utility in excess of \$229,582.08 annually using the cost of water sold per 1,000 gallons. This project cost a total of \$33,990.00 and was completed in 25 days. Jeremy Barkei who is the water and sewer superintendent for the City of Batavia, IL provided his own testimonial: *"We couldn't be happier with the 2020 project outcome. Because of your perfectionism, diligence, and organization, we have complete peace of mind that the system is completely leak free. I look forward to working with you, and ME Simpson Co. on another flawless program in 2021."*

Mr. Jeremy Barkei  
Water and Sewer Division Superintendent  
City of Batavia  
200 N Raddant Road, Batavia, IL 60510  
630-454-2300  
[jbarkei@cityofbatavia.net](mailto:jbarkei@cityofbatavia.net)

**City of West Bend, Wisconsin (1997 – 2019)**

M.E. Simpson Co., Inc. has been conducting a Leak Survey on the 125-mile distribution system every other year as a way for the West Bend Water Utility to reduce water losses occurring in the distribution system. The Utility owns Leak detection equipment; however, the staff of M.E. Simpson Co., Inc. performs leak detection work daily and has a greater understanding of the parameters of detection and locating leaks. The leak surveys have found numerous leaks on this system since the start of the leak detection program; however, because of the vigilance of the program, these water losses have subsided to a point of regular distribution system preventative maintenance. This project cost a total of \$27,000.00 and was completed in 17 days.

Mr. Travis Thull  
Water Utility Manager  
City of West Bend  
251 Municipal Drive, West Bend, Wisconsin 53095  
262-335-5040  
[wbwu@ci.west-bend.wi.us](mailto:wbwu@ci.west-bend.wi.us)

# PIPE RANK – OPTIONAL

## SCOPE

### Pipe Rank Overview

PipeRank Virtual condition assessment tool will be employed to identify and prioritize pipes located in within the Village, based on risk of failure. The virtual condition assessment desktop tool enables utilities to identify the pipes within their network that have the highest risk of failure and plan for capital investments based on evidence. PipeRank provides the following benefits as a justifiable investment to target capital investments to the pipes that need it most:

### Proven Accuracy

The PipeRank failure prediction software more accurately identifies of the actual pipe failures in the top 5% of pipe segments most likely to fail than the age-based models and the prior failures models currently available. Get more from your existing data with Echologics AI. Target pipe replacements and investigations to reduce future breaks and generate data supported capital plans.

### Actionable Results

The following programs allow for the Utility to customize how the assessment will be performed.

- **Basics**

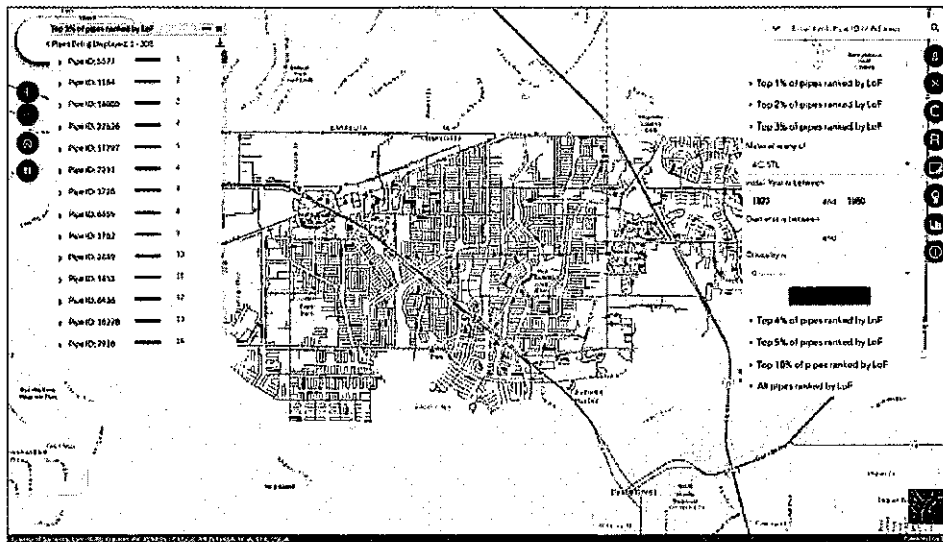
Based on the likelihood of failure algorithm and utility specific consequence of failure criteria, PipeRank provides utilities with a ranking of pipes within their network that have the highest business risk exposure (BRE) upon failure. Utilities can directly use this information to prioritize capital plans for condition assessment, repair and replacement.

- **Essentials, Enterprise & Unlimited**

Based on the likelihood of failure algorithm and utility specific consequence of failure criteria, PipeRank provides utilities with a ranking of pipes within their network that have the highest business risk exposure upon failure. The interactive web access provides a planning tool to support utilities through effective data based planning for condition assessment, repair and replacement with consideration to utility specific business rules and costs.

### Project Understanding

The Village water distribution system would be assessed by examining the last 5 years of leak history. Historically, desktop condition assessment technologies relied on engineering judgment and linear models that assigned weights to assumed degradation factors to predict pipe failures. By leveraging site specific datasets and historical failure data the PipeRank machine learning technology identifies causal factors for failures that are unique to each pipe network. The end result, an accurate ranking of which pipes will fail next. “Drill down” data to interrogate predicted failures is delivered through a GIS layer and web user interface with powerful reporting options as shown in the Figure below.



Pipe failures are an inevitable part of water network management. Understanding the pipes where failures will be located is an insight that can be translated into reduced costs and improved levels of service. To date, utilities have successfully leveraged PipeRank technology to prepare for predicted failures by ensuring that the proper repair materials are in stock so repairs can be completed quickly. The Village should assess their entire pipe network using the PipeRank technology to ensure that the pipes with the highest likelihood of failure are captured in the assessment and will support the following:

- ◆ Model capital replacement needs
- ◆ Target capital spending to pipes most likely to failure
- ◆ Predict and model failure rates
- ◆ Increase visibility to pipe asset condition

### Scope of Work

The following levels of assessment that can be implemented are listed below:

#### Basic

Item	Description	Qty
Data Audit	Highlight of any data inconsistencies or gaps in collaboration with the utility. Suggestions on a consistent and historically appropriate set of assumptions will be provided	Lot
GIS shapefile with results of PipeRank Analysis	The following attribute layers are provided: <ul style="list-style-type: none"> <li>- Likelihood of Failure (LoF) Rank</li> <li>- Consequence of Failure (CoF) Rank</li> <li>- Risk (LoF multiplied by CoF) Rank</li> </ul>	Lot
Web-based User Interface with pipe ranking and statistical analysis of failure data	Ranking for 1-20 years forward based on <ul style="list-style-type: none"> <li>- Likelihood of Failure (LoF)</li> <li>- Consequence of Failure (CoF)</li> <li>- Risk (LoF multiplied by CoF)</li> </ul> Results can be filtered and downloaded as CSV or shape file.	1 year access

**Essentials**

Item	Description	Qty
Data Audit	Highlight of any data inconsistencies or gaps in collaboration with the utility. Suggestions on a consistent and historically appropriate set of assumptions will be provided	Lot
GIS shapefile with results of PipeRank Analysis	The following attribute layers are provided: <ul style="list-style-type: none"> <li>- Likelihood of Failure (LoF) Rank</li> <li>- Consequence of Failure (CoF) Rank</li> <li>- Risk (LoF multiplied by CoF) Rank</li> <li>- Enhanced Remaining Useful Life (RUL)</li> </ul>	Lot
Web-based User Interface with pipe ranking and statistical analysis of failure data	Ranking for 1-20 years forward based on <ul style="list-style-type: none"> <li>- Likelihood of Failure (LoF)</li> <li>- Consequence of Failure (CoF)</li> <li>- Risk (LoF multiplied by CoF)</li> <li>- Enhanced Remaining Useful Life (RUL)</li> <li>- Planner for allocation of budget to CA, Repair and/or Replacement</li> </ul> Results can be filtered and downloaded as CSV or shape file. API access can be made available upon request.	1 year access

**Enterprise**

Item	Description	Qty
Data Audit	Highlight of any data inconsistencies or gaps in collaboration with the utility. Suggestions on a consistent and historically appropriate set of assumptions will be provided  Advanced data assessment, clean up and optimization by data scientists.	Lot
GIS shapefile with results of PipeRank Analysis	The following attribute layers are provided: <ul style="list-style-type: none"> <li>- Likelihood of Failure (LoF) Rank</li> <li>- Consequence of Failure (CoF) Rank</li> <li>- Risk (LoF multiplied by CoF) Rank</li> <li>- Enhanced Remaining Useful Life (RUL)</li> </ul>	Lot
Web-based User Interface with pipe ranking and statistical analysis of failure data	Ranking for 1-20 years forward based on <ul style="list-style-type: none"> <li>- Likelihood of Failure (LoF)</li> <li>- Consequence of Failure (CoF)</li> <li>- Risk (LoF multiplied by CoF)</li> <li>- Enhanced Remaining Useful Life (RUL)</li> <li>- Planner for allocation of budget to CA, Repair and/or Replacement</li> </ul> Results can be filtered and downloaded as CSV or shape file. API access can be made available upon request.	1 year access

**Unlimited**

Item	Description	Qty
Data Audit	<p>Highlight of any data inconsistencies or gaps in collaboration with the utility. Suggestions on a consistent and historically appropriate set of assumptions will be provided</p> <p>Advanced data assessment, clean up and optimization by data scientists.</p>	Lot
GIS shapefile with results of PipeRank Analysis	<p>The following attribute layers are provided:</p> <ul style="list-style-type: none"> <li>- Likelihood of Failure (LoF) Rank</li> <li>- Consequence of Failure (CoF) Rank</li> <li>- Risk (LoF multiplied by CoF) Rank</li> <li>- Enhanced Remaining Useful Life (RUL)</li> </ul>	Lot
Web-based User Interface with pipe ranking and statistical analysis of failure data	<p>Ranking for 1-20 years forward based on</p> <ul style="list-style-type: none"> <li>- Likelihood of Failure (LoF)</li> <li>- Consequence of Failure (CoF)</li> <li>- Risk (LoF multiplied by CoF)</li> <li>- Enhanced Remaining Useful Life (RUL)</li> <li>- Planner for allocation of budget to CA, Repair and/or Replacement</li> </ul> <p>Results can be filtered and downloaded as CSV or shape file. API access can be made available upon request. Priority unlimited support.</p>	1 year access

**2.2 UTILITY PROVIDED DATA**

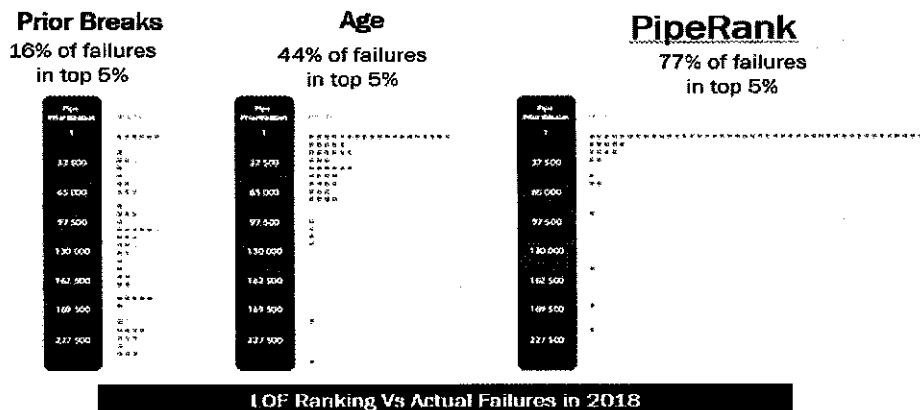
The Village will supply pipe information, historical failure rates, and consultation or approval of key modelling inputs.

Item	Description	Qty
GIS Information of pipe network to be analysed	Preferred formats and required attributes of the base GIS file are defined in Appendix A below.	Lot
5+ years of History of Pipe Failures (minimum 3 years)	Preferred formats and required attributes of the historical failure data is defined in Appendix A below.	Lot
Review and approval of consequence of failure criteria	The consequence of pipe failure varies based on local considerations. M.E. Simpson Co., Inc. will offer base suggestions for review and approval by the Utility to configure consequence of failure metrics to meet local needs.	Lot

## Piperank – Technology Description

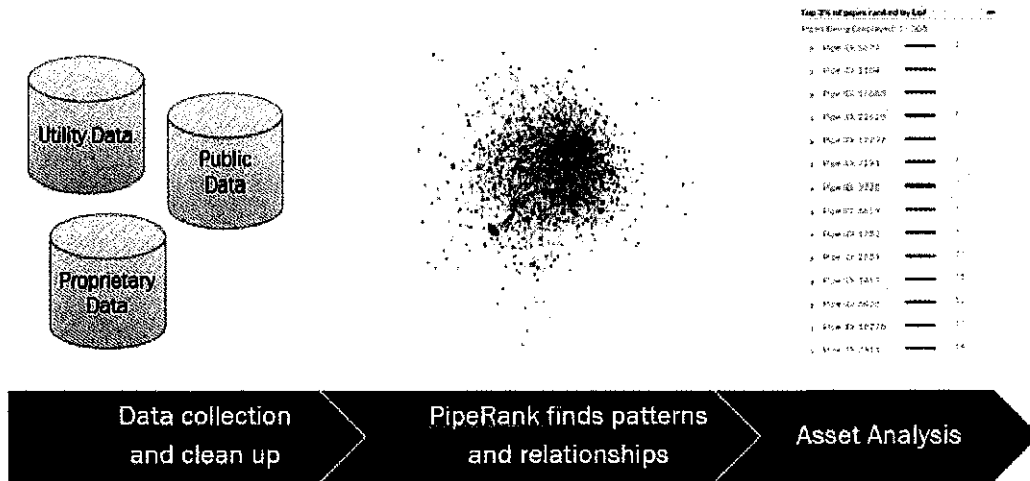
Pipes fail for many different reasons. Typically, utilities will have pipes installed in their fleet from several different eras that can include different construction materials such as plastic, metal, and concrete. Different pipe cohorts often have variable levels of installation quality and failure rates over time. Pressure, soil load, water temperature cycling, temperature in the soil where a pipe is buried are all external factors that can impact pipe degradation and failure rates. Current industry best practice is to leverage as much desktop data as possible in order to identify trends and generate data supported decisions for failure planning and capital replacement. To date, these desktop models have been technology limited to leveraging linear models and human engineering judgment.

Machine learning is much better suited to interrogating the large datasets involved in water pipe degradation and teasing out the likely failures in each pipe network. The PipeRank technology was developed by Mueller, and powered by Voda.AI. It is capable of predicting future failures more accurately than age based failure estimates or the prior breaks method that are common today. The Figure below shows a comparison of a prior breaks, age, and PipeRank machine learning model for a utility in the Midwest. In this example each model was run using available pipe construction, failure history, and environmental information. Each model was used to rank all the pipe segments in the utility from most to least likely to fail. The red dots in the graphic represent actual failures in the year following the modelling analysis. The PipeRank model correctly placed 70% of the actual pipe failures in the top 5% of pipe segments most likely to fail. This compares favorably to 44% for the age based model and 16% for the prior breaks model. The ability to define and predict which pipes will fail offers exciting opportunities to manage pipe networks more efficiently with better levels of service. Utilities have used this new technology in order to increase pipe repair efficiency, target capital investments, and conduct proactive condition investigations for pipelines.



### How does it work?

PipeRank pairs available pipe degradation factors with a proprietary machine learning model in order to rank every pipe segment analyzed by likelihood of failure. The datasets considered by the machine learning model includes pipe construction data such as: material, age, diameter, presence of a factory or field liner, as well as environmental factors such as soil, weather, and satellite data. Proprietary variables are also generated based on private data sources that have been shown to have positive predictive power for pipe failures in several utilities. The system can produce risk profiles for 1-20 years, helping utilities reduce pipe failures, non-revenue water, and premature pipe renewal.

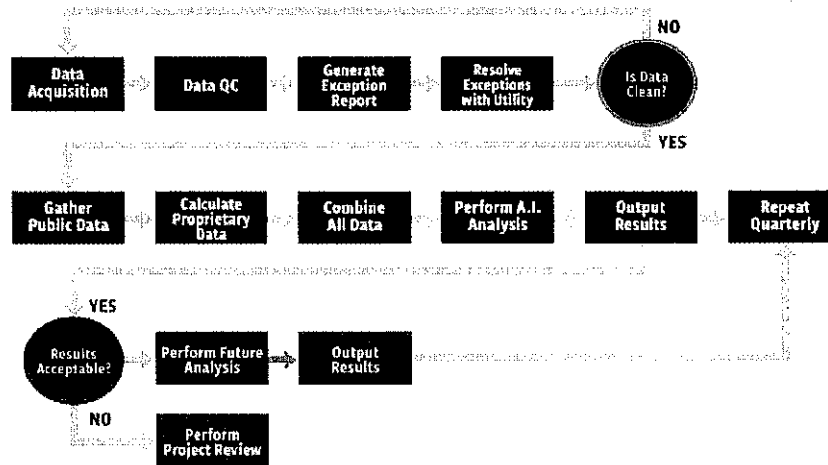


Consequence of Failure (CoF) for each pipe segment is an important and inherent component in PipeRank. It considers critical locations (hospitals, public safety, municipal buildings, etc.), population density, proximity to roadways, etc., the Utility can customize the CoF criteria or choose common industry variables. There is an option to add other critical assets that the Utility considers to be high-profile locations near pipes to determine community and business risks. PipeRank provides a final risk score on each pipe segment, making it easy for utilities to plan their operating and engineering programs. The pipe risk score is derived using the industry standard of LoF multiplied by CoF.

### Typical Project Workflow

At the beginning of the process, Echologics audits the quality of historical and inventory data, highlighting any anomalies and missing data. Collaboration with the utility addresses these issues. The audit results enhance utilities’ asset management and GIS systems as well as improves input for the final ranking. The entire process takes about 2-3 months to complete. Utilities receive access to the PipeRank cloud platform with an interactive map and reports on the pipes with the Likelihood of Failure of each pipe in the next 1-10 years. In addition to providing LoF, CoF and Risk, PipeRank delivers configurable filtering, graphs, maps, tables, and unique views for pipe data.

A typical project flow and list shown below depicts the steps for a PipeRank project.



M.E. Simpson Co., Inc. | Palos Park, IL – Leak Detection Survey  
Pipe Rank

- 1) Data Acquisition – gather pipe asset data from utility (size, material, age, etc.), GIS, and at least 5 years of pipe failure history.
- 2) Data QC – run proprietary algorithms on data to discover errors, omissions, etc.
- 3) Generate Exception Report – output from Data QC
- 4) Is Data Clean? – Is the data as correct as possible:
  - a. YES - move forward (note this step yields an additional benefit, the utility gets audited data for other uses)
  - b. NO - continue to work with the Utility to improve quality (this typically takes 2-3 rounds of Q&A)
- 5) Gather Public Data – public databases: weather, soil type, satellite images, etc.
- 6) Calculate Proprietary Data: data derived from utility data and/or public data (e.g. volume, slope, etc.)
- 7) Combine All Data – put all 3 data sets together
- 8) Perform Machine Learning Analysis – Run proprietary model on combined, cleaned dataset. This includes training, testing, and tuning. The analysis is for the future 1, 3, 5, 10, and 20-years
- 9) Output Results – review the outputs of the Machine Learning Analysis. Results are provided in GIS shape files and web user interface for the next 1, 3, 5, 10, and 20 years.

## INVESTMENT

A commitment to improving and maximizing the Village of Palos Park, IL water distribution system for future generations.

M.E. Simpson Co., Inc. is pleased to present our "Proposal" for a Water Distribution System Leak Detection program for the Village of Palos Park, IL. M.E. Simpson Co., Inc. will perform our leak detection services on approximately 53.4 of watermain within the Village of Palos Park, IL water distribution system. The survey will be completed by listening on the accessible main line valves, fire hydrants and as needed services by one of our two-man teams with all necessary equipment furnished by M.E. Simpson Co., Inc. as described within this document. The project will also include complete reporting of all issues found, with a final comprehensive report.

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### **2023 Leak Survey**

Water Distribution System Leak Survey Program Fee (lump sum)	\$13,350.00**
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### **Optional Service**

Pipe Rank	\$6,750.00
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\*\*Any water main surveyed in addition to the above 53.4 original miles of watermain will be surveyed at the rate of \$250.00 per mile of pipe.

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We thank you for this opportunity to acquaint you with our Water Distribution System Leak Detection services and offer this proposal. If you have further inquiries or you wish to discuss our service in more detail, do not hesitate to call us.



VILLAGE OF  
**PALOS PARK**

**Village Council**

Mayor Nicole Milovich-Walters  
Village Clerk Marie Arrigoni  
Commissioner G. Darryl Reed  
Commissioner Dan Polk  
Commissioner Mike Wade  
Commissioner Rebecca Petan

**Meeting of: June 26, 2023**

**7:30 PM**

**Kaptur Administrative Center**

**AGENDA MATTER:**

Approve Letter of Agreement between the State of Illinois and the Village of Palos Park

**BACKGROUND/HISTORY:**

Over the last three years the State of Illinois, IDOT, has been completing the design of Southwest Highway between 131st Street and 135<sup>th</sup> Street. As part of the process, the Village of Palos Park requested that the bike path being installed along Southwest Highway be extended to the northeast corner of Southwest Highway and 131<sup>st</sup> Street to provide an access point for future bike path expansion in the Village. Included in the design is a crossing of Southwest Highway from west to east on the south side of 131<sup>st</sup> Street, and a crossing of 131<sup>st</sup> street from south to north on the east side of Southwest Highway. The project will be bid in the fall. There is no cost to the Village for the initial work being done, however going forward the Village will be responsible for maintaining the two (2) crosswalks and the walk on the southeast and northeast corners of the intersection. IDOT has asked that a letter of agreement be approved and signed by the Village.

**STAFF RECOMMENDATION:**

Staff recommends approving Letter of Agreement with the State of Illinois.

**RECOMMENDED MOTION:**

I move to approve the proposed Letter of Agreement with the State of Illinois covering the reconstruction of Southwest Highway between 135<sup>th</sup> Street and 131<sup>st</sup> Street.

FAU 3578 IL 7  
South of 135<sup>th</sup> Street to 131<sup>st</sup> Street  
State Section: 2019-001-R  
Cook County  
Job No. : C-91-325-19  
Contract No.: 62H82  
LU-123-014

LETTER OF UNDERSTANDING

This Letter of Understanding, entered into this \_\_\_\_\_ day of \_\_\_\_\_, 2023 A.D., by and between the STATE OF ILLINOIS, acting by and through its DEPARTMENT OF TRANSPORTATION, hereinafter called the STATE, and the VILLAGE OF PALOS PARK of the State of Illinois, hereinafter called the VILLAGE.

WITNESSETH:

WHEREAS, the STATE, in order to facilitate the free flow of traffic and ensure safety to the motoring public, is desirous of improving approximately 6,445 lineal feet of FAU 3578, South of 135<sup>th</sup> Street to 131<sup>st</sup> Street, STATE Section 2019-001-R, STATE Job No.: C-91-325-19, State Contract Number 62H82 as follows:

The general scope of work for this improvement consists of drainage and roadway improvements to decrease flooding on IL 7. Proposed improvements include culvert replacement, ditch and in-stream work, installing a closed drainage system, shifting the horizontal alignment, raising the roadway profile, painted medians, curb and gutter installation, traffic signal modernization, installation of a 10' bike/multi-use path on the west side of the roadway, new sidewalks, emergency vehicle pre-emption equipment (EVP) installed as part of the traffic signal work and by performing all other work necessary to complete the improvement in accordance with the approved plans and specifications; and

WHEREAS, the VILLAGE is desirous of said improvement in that same will be of immediate benefit to the VILLAGE residents and permanent in nature;

NOW, THEREFORE, in consideration of the mutual covenants contained herein, the parties hereto agree as follows:

1. The STATE agrees to make the surveys, obtain all necessary rights of way, prepare plans and specifications, receive bids and award the contract, furnish engineering inspection during construction and cause the improvement to be built in accordance with the approved plans, specifications and contract.
2. The STATE agrees to pay for all right of way, construction and engineering costs associated with the improvement.
3. The VILLAGE agrees not to permit the construction of additional entrances, private or commercial, along IL 7 without the consent of the STATE.
4. The VILLAGE shall exercise its franchise rights to cause private utilities to be relocated, if required, at no expense to the STATE.
5. All VILLAGE owned utilities, on STATE right of way within the limits of this improvement, which are to be relocated/adjusted under the terms of this Agreement, will be relocated/adjusted in accordance with the applicable portions of the "Accommodation of Utilities of Right of Way of the Illinois State Highway System." (92 Ill. Adm. Code 530).
6. Upon final field inspection of the improvement and so long as IL 7<sup>th</sup> is used as a STATE Highway, the STATE agrees to maintain or cause to be maintained the median, the through traffic lanes, the

left-turn lanes and right turn lanes and the curb and gutter or stabilized shoulders and ditches adjacent to those traffic lanes and turn lanes.

7. Upon final field inspection of the improvement, the VILLAGE agrees to maintain or cause to be maintained those portions of the improvement which are not maintained by the STATE, including new and existing sidewalks and shared use paths, parkways, crosswalk and stopline markings, all existing and relocated VILLAGE owned utilities including appurtenances thereto, and highway lighting including furnishing the electrical energy thereof.
8. The VILLAGE further agrees to continue its existing maintenance responsibilities on all side road approaches under its jurisdiction, including all left and right turn lanes on said side road approaches, up to the through edge of pavement of IL 7<sup>th</sup>. Drainage facilities, if any, at the aforementioned side roads located within the STATE right-of-way shall be the joint maintenance responsibility of the STATE and the VILLAGE unless there is an agreement specifying different responsibilities.
9. It is mutually agreed that the actual traffic signal maintenance will continue to be performed by the STATE, either with its own forces or through an ongoing contractual agreement.

Upon acceptance by the STATE of the traffic signal work included herein the financial responsibility for maintenance and electrical energy for the operation of the traffic signal IL 7 at 131<sup>st</sup> Street shall continue as listed in the current Master Agreement between the STATE and VILLAGE.

The STATE's Electrical Maintenance Contractor shall maintain the "Emergency Vehicle Pre-emption System" equipment, located at the said traffic signal and shall invoice the VILLAGE for the costs related to said maintenance.

The VILLAGE shall maintain the emitters and associated appurtenances at its own expense. The emitters shall be maintained and tested in accordance with the recommendations of the manufacturer.

It is mutually agreed, if, in the future, the STATE adopts a roadway or traffic signal improvement passing through the aforementioned traffic signal requiring modification or reconstruction, then the VILLAGE hereby agrees to be financially responsible for its proportionate share in accordance with STATE policy to modernize or reconstruct said installation and will be responsible for all costs to relocate or reconstruct the Emergency Preemption equipment in conjunction with the STATE's proposed improvement.

10. It is mutually agreed, if, in the future, the STATE adopts a roadway or traffic signal improvement passing through the traffic signals, the the VILLAGE agrees to be financially responsible for its share of the traffic signals proposed improvement.

11. The VILLAGE has adopted a resolution, will send a letter, or sign the Plan Approval page which is part of this document, prior to the STATE advertising for the work to be performed hereunder, approving the plans and specifications as prepared.

12. Under penalties of perjury, the VILLAGE certifies that its correct Federal Tax Identification number is \_\_\_\_\_ and it is doing business as a GOVERNMENTAL ENTITY, whose mailing address is:

Village of Palos Park  
Kaptur Administrative Center  
8999 W 123<sup>rd</sup> Street  
Palos Park, IL 60464

Obligations of the STATE and the VILLAGE will cease immediately without penalty or further payment being required if, in any fiscal year, the Illinois General Assembly or Federal funding source fails to appropriate or otherwise make available funds for this contract.

This AGREEMENT and the covenants contained herein shall be null and void in the event the contract covering the construction work contemplated herein is not awarded within the three years subsequent to execution of the agreement.

This Agreement shall be binding upon and to the benefit of the parties hereto, their successors and assigns.

VILLAGE OF PALOS PARK

By: \_\_\_\_\_  
(Signature)

By: \_\_\_\_\_  
(Print or Type)

Title: \_\_\_\_\_

Date: \_\_\_\_\_

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

By: \_\_\_\_\_  
Jose Rios, P.E.  
Region One Engineer

Date: \_\_\_\_\_

Attest:

\_\_\_\_\_

Clerk

(SEAL)

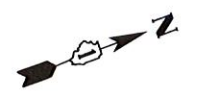
PLAN APPROVAL

WHEREAS, in order to facilitate the improvement of FAU 3578, known as IL 7, Contract No. 62H82, State Section 2019-001-R , the VILLAGE agrees to that portion of the plans and specifications relative to the VILLAGE's financial and maintenance obligations described herein, prior to the STATE's advertising for the aforescribed proposed improvement.

Approved \_\_\_\_\_

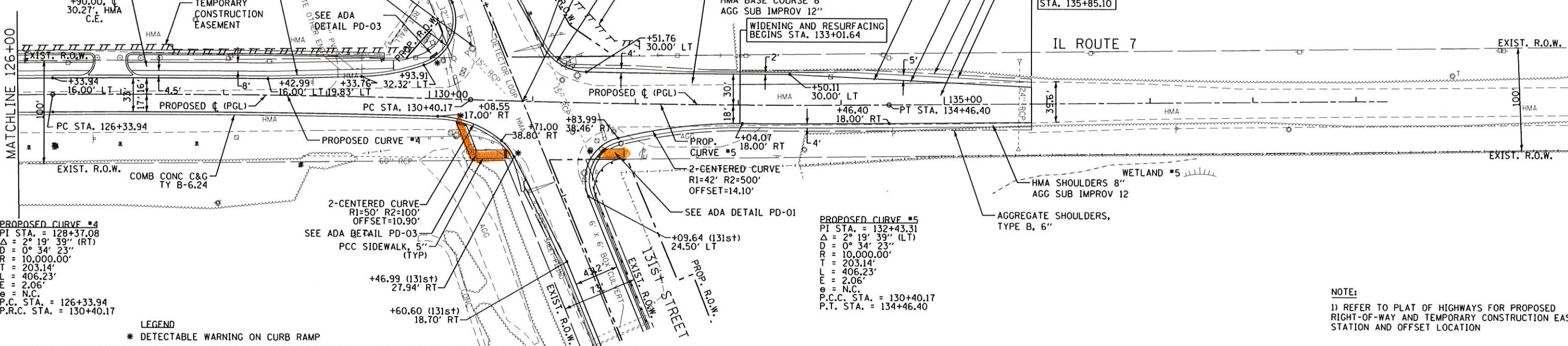
Title \_\_\_\_\_

Date \_\_\_\_\_



BM#8; CUT "C" IN TOP NORTHEAST CORNER OF CONCRETE TRAFFIC SIGNAL POST FOUNDATION LOCATED AT THE SOUTHWEST CORNER OF IL RTE 7 AND 131ST STREET, NEAR STA. 130+40 LT. ELEVATION = 672.36 (NAVD88)

MULTI-USE PATH  
HMA SC "D" N50 (2")  
SUB GRAN MAT B (6")  
+90.00, C  
30.27' HMA  
C.E.



**PROPOSED CURVE #4**  
PI STA. = 128+37.08  
 $\Delta = 2^\circ 19' 39''$  (RT)  
 $D = 0^\circ 34' 23''$   
 $R = 10,000.00'$   
 $T = 203.14'$   
 $L = 406.23'$   
 $E = 2.06'$   
 $\theta = N.C.$   
P.C. STA. = 126+33.94  
P.R.C. STA. = 130+40.17

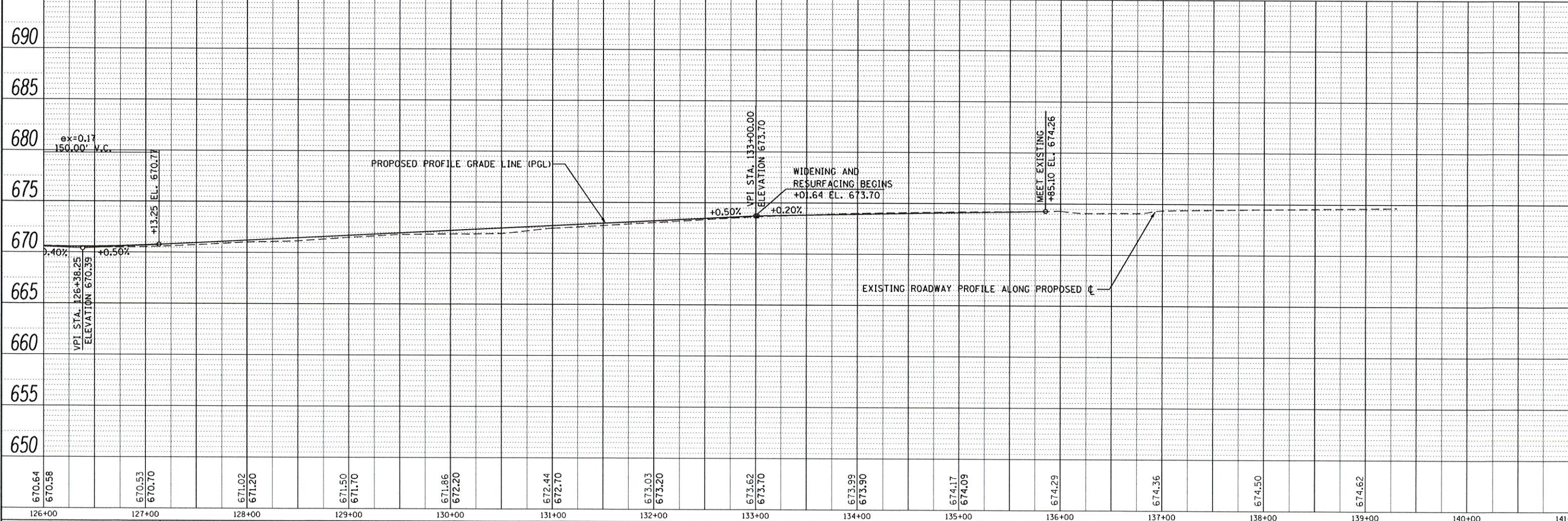
**PROPOSED CURVE #5**  
PI STA. = 132+43.31  
 $\Delta = 2^\circ 19' 39''$  (LT)  
 $D = 0^\circ 34' 23''$   
 $R = 10,000.00'$   
 $T = 203.14'$   
 $L = 406.23'$   
 $E = 2.06'$   
 $\theta = N.C.$   
P.C. STA. = 130+40.17  
P.T. STA. = 134+46.40

**LEGEND**  
\* DETECTABLE WARNING ON CURB RAMP

**NOTE:**  
1) REFER TO PLAT OF HIGHWAYS FOR PROPOSED RIGHT-OF-WAY AND TEMPORARY CONSTRUCTION EAS STATION AND OFFSET LOCATION

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	CADD FILE NAME	
	NO.	

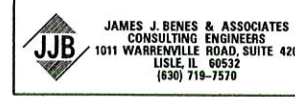
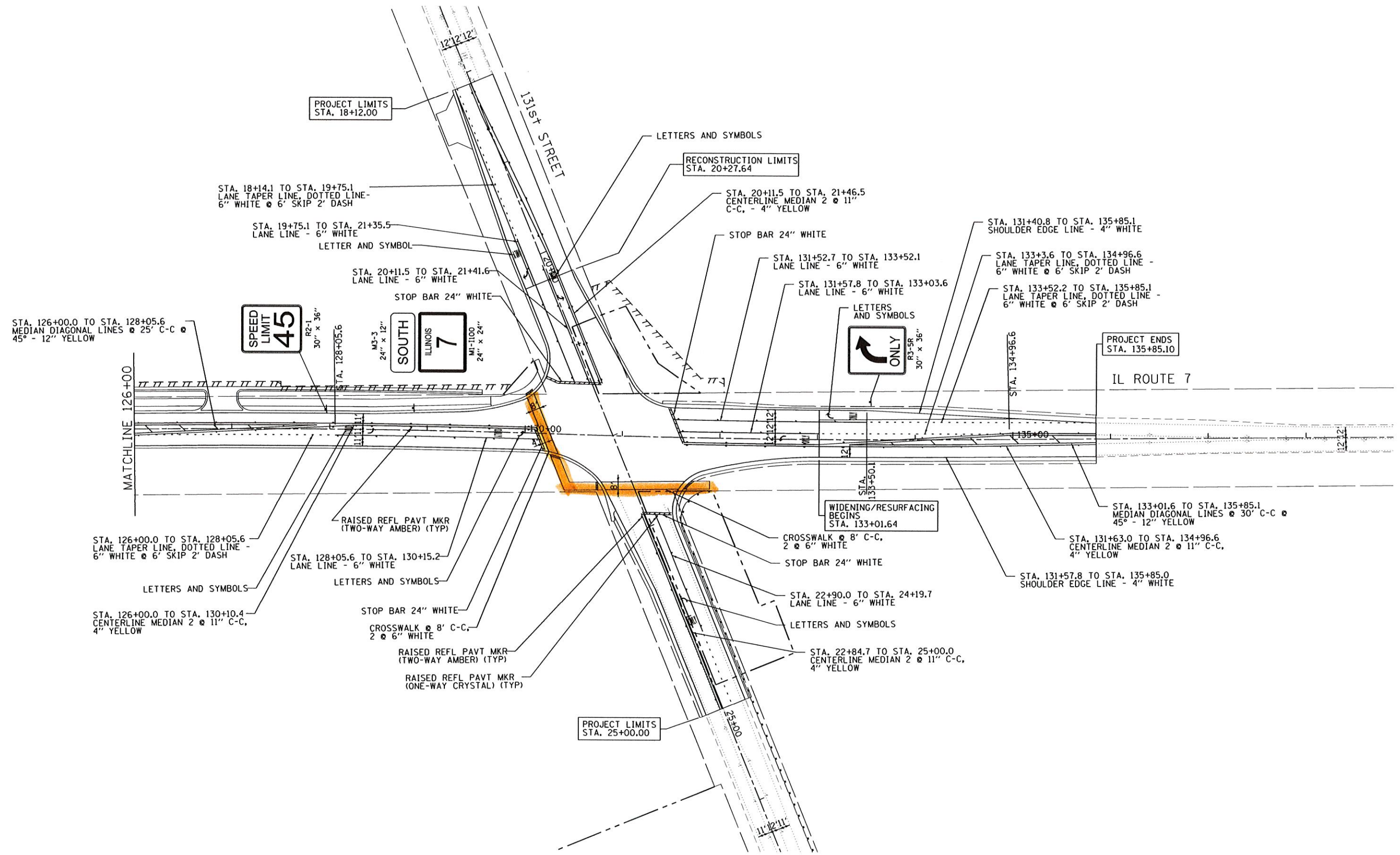
PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	



<b>JAMES J. BENES &amp; ASSOCIATES</b> CONSULTING ENGINEERS 1011 WARRENVILLE ROAD, SUITE 420 LISLE, IL 60532 (630) 719-7570	USER NAME = #USER# PLOT SCALE = #SCALE# PLOT DATE = #DATE#	DESIGNED - BLG DRAWN - SMP CHECKED - BDH DATE -	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN AND PROFILE</b>	F.A.U. RTE. 3578 SECTION 2019-001-R COUNTY COOK TOTAL SHEET 198 CONTRACT NO.
	SCALE: 1"=50' SHEET 5 OF 7 SHEETS STA. 126+00 TO STA. 139+31	ILLINOIS FED. AID PROJECT				



ALL FINAL PAVEMENT MARKING MATERIALS AT 127th AND 131st STREET SHALL BE THERMOPLASTIC ON HOT-MIX ASPHALT. ALL FINAL PAVEMENT MARKING MATERIALS AT 135th STREET SHALL BE URETHANE ON HOT-MIX ASPHALT.



USER NAME = #USER#	DESIGNED - BLG	REVISED -
PLOT SCALE = #SCALE#	DRAWN - JY	REVISED -
PLOT DATE = #DATE#	CHECKED - BDH	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PAVEMENT MARKING AND SIGNAGE PLAN</b>			
SCALE: 1"=50'	SHEET	OF	SHEETS
	STA. 126+00	TO	STA. 135+00

F.A.U. RTE.	SECTION	COUNTY	TOTA SHEET
3578	2019-001-R	COOK	198
			CONTRACT NO.
ILLINOIS FED. AID PROJECT			



**VILLAGE OF  
PALOS PARK**

**Village Council**

Mayor Nicole Milovich-Walters  
Village Clerk Marie Arrigoni  
Commissioner G. Darryl Reed  
Commissioner Dan Polk  
Commissioner Mike Wade  
Commissioner Rebecca Petan

**Meeting of: June 26, 2023**

**7:30 PM**

**Kaptur Administrative Center**

**AGENDA MATTER:**

2022 Roadway and Drainage Project.

**BACKGROUND/HISTORY:**

On 8-8-22 the Village Council awarded the 2022 Roadway and Drainage Project to K-Five in the amount of \$1,100,252.90. Attached is Pay Estimate No. 5 and Final in the amount of \$103,676.27. Included in the invoice is a credit for \$5,150.00 for restoration that was done outside the limits of construction. Public Works is asking for approval of this estimate. The estimate includes all the work in the Project.

Total Work to Date	\$1,026,014.17
Less Previous Paid	\$ 922,337.90
Total Due Est No 5 and Final	\$ 103,676.27

**STAFF RECOMMENDATION:**

Staff recommends approval of Pay Estimate No. 5 and Final.

**RECOMMENDED MOTION:**

I move to approve Pay Estimate No. 5 and Final for the 2022 Roadway and Drainage Project to K-Five in the amount of \$103,676.27.



999 Oakmont Plaza Drive, Suite 200  
Westmont, IL 60559  
TEL (630) 257-5600

Pay Application	Date	Terms	Contract
6	06/15/2023	Net Due 30 Days	22077

**Contract Location**

**Customer:** 010736  
  
Village of Palos Park  
8901 W 123rd Street  
  
Palos Park, IL 60464

**Job Cost Project #:** 22077  
  
Palos Park 2022 Rdwy Dra  
Various Streets  
  
Palos Park, IL

Bid Item	Description	UOM	Estimated Quantity	Previous Quantity	Current Quantity	To Date Quantity	Unit Price	Current Amount	To Date Amount
01	HMA SURF REM VARIABLE DEPTH E DEPTH	SY	33,100.000	33,100.000	.000	33,100.000	2.25	0.00	74,475.00
02	BIT MAT TACK COAT	LB	6,500.000	37,900.000	.000	37,900.000	3.99	0.00	151,221.00
03	HMA BIND COURSE MIX C N50 1.5" C N50 1.5" (IL 9.5)	TON	2,980.000	1,999.960	.000	1,999.960	88.00	0.00	175,996.48
04	HMA SURF COURSE MIX C N50 2" C N50 2"	TON	4,100.000	3,518.640	.000	3,518.640	85.00	0.00	299,084.40
05	PVMT PATCH 3"	SY	280.000	134.000	.000	134.000	30.00	0.00	4,020.00
06	TRENCH REPAIR PATCH 3" 3"	SY	90.000	249.000	.000	249.000	30.00	0.00	7,470.00
07	AGG SHOULDER TYPE B CA-6 CA-6	TON	650.000	414.710	.000	414.710	8.00	0.00	3,317.68
08	AGG SHOULDER TYPE B CA-5 CA-5	TON	400.000	155.080	.000	155.080	12.00	0.00	1,860.96
09	HMA SURF REMOVAL BUTT JOINT T JOINT	SY	590.000	.000	.000	.000	0.01	0.00	0.00
10	10" RCP	LF	394.000	.000	.000	.000	48.80	0.00	0.00
11	12" RCP	LF	303.000	716.000	.000	716.000	62.90	0.00	45,036.40
12	12" RCP FES	EAC	6.000	8.000	.000	8.000	1,074.00	0.00	8,592.00
13	15" RCP	LF	32.000	.000	.000	.000	90.95	0.00	0.00
14	15" RCP FES	EAC	2.000	.000	.000	.000	1,216.00	0.00	0.00
15	18" RCP	LF	57.000	.000	.000	.000	82.30	0.00	0.00
16	18" RCP FES	EAC	1.000	.000	.000	.000	1,363.00	0.00	0.00
17	8" DIP	LF	28.000	28.000	.000	28.000	133.60	0.00	3,740.80
18	TY C CB W/ TY B F & G G	EAC	9.000	11.000	.000	11.000	1,979.00	0.00	21,769.00
19	TY A CB W/ TY 1 F & G G	EAC	2.000	1.000	.000	1.000	5,078.95	0.00	5,078.95
20	AGG. TRENCH 3'	LF	1,890.000	1,835.000	.000	1,835.000	14.20	0.00	26,057.00
21	6" PERFORATED PVC W/ SOCK SOCK	LF	1,887.000	1,605.000	.000	1,605.000	39.70	0.00	63,718.50
22	6" FES	EAC	4.000	.000	.000	.000	377.00	0.00	0.00
23	FRAME & LID TO BE ADJ SPECIAL J SPECIAL	EAC	18.000	.000	.000	.000	997.00	0.00	0.00
24	REMOVE & REPLACE HMA DRIVE DRIVE	SY	385.000	177.000	.000	177.000	38.00	0.00	6,726.00
25	REM & REP PCC DRIVE SPECIAL SPECIAL	SY	65.000	.000	.000	.000	205.00	0.00	0.00
26	REM & REP PAVER BRICK DRIVE K DRIVE	SY	50.000	.000	.000	.000	200.00	0.00	0.00
27	TRAFFIC CONTROL & PROTECTION OTECTION	LSU	1.000	1.000	.000	1.000	121,000.00	0.00	121,000.00
CCO1	MANHOLE ADJUSTMENTS	EA	12.000	24.000	.000	24.000	500.00	0.00	12,000.00
CCO2	RESTORATION COST SPLIT	LSU	1.000	.000	1.000	1.000	(5,150.00)	-5,150.00	(5,150.00)
<b>Total Contract and Change Orders</b>								-5,150.00	1,026,014.17



999 Oakmont Plaza Drive, Suite 200  
 Westmont, IL 60559  
 TEL (630) 257-5600

Pay Application	Date	Terms	Contract
6	06/15/2023	Net Due 30 Days	22077

**Contract Location**

Customer: 010736  
  
 Village of Palos Park  
 8901 W 123rd Street  
  
 Palos Park, IL 60464

Job Cost Project #: 22077  
  
 Palos Park 2022 Rdwy Dra  
 Various Streets  
  
 Palos Park, IL

Bid Item	Description	UOM	Estimated Quantity	Previous Quantity	Current Quantity	To Date Quantity	Unit Price	Current Amount	To Date Amount
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**Billing Summary for Contract: 22077**

	<u>Current</u>	<u>To Date</u>
Complete to Date:	(5,150.00)	1,026,014.17
Less Retainage at 0.0%	0.00	0.00
Balance	<u>(5,150.00)</u>	<u>1,026,014.17</u>
Less: Previous Payments		922,337.90
<b>Total Amount Due</b>	<b><u>(5,150.00)</u></b>	<b><u>103,676.27</u></b>

**FINAL WAIVER OF LIEN**

STATE OF ILLINOIS }  
COUNTY OF DUPAGE } SS

Gty # \_\_\_\_\_ Page 1 of 1

Escrow # \_\_\_\_\_

TO WHOM IT MAY CONCERN:

WHEREAS the undersigned has been employed by VILLAGE OF PALOS PARK  
to furnish Asphalt Paving  
for the premises known as 2022 ROADWAY & DRAINAGE PROJECT  
of which VILLAGE OF PALOS PARK is the owner.

THE undersigned, for and in consideration of One Hundred Three Thousand Six Hundred Seventy Six Dollars and Twenty Seven Cents  
(\$ 103,676.27) Dollars, and other good and valuable considerations, the receipt whereof is hereby acknowledged, do(es)  
hereby waive and release any and all lien or claim of, or right to, lien, under the statutes of the State of Illinois, relating to mechanics' liens, with respect to  
and on said above-described premises, and the improvements thereon, and on the material, fixtures, apparatus or machinery furnished, and on the moneys,  
funds or other considerations due or to become due from the owner, on account of all labor, services, material, fixtures, apparatus or machinery, heretofore  
furnished, or which may be furnished at any time hereafter, by the undersigned for the above-described premises, INCLUDING EXTRAS.\*

DATE June 8, 2023 COMPANY NAME K-Five Construction Corporation  
ADDRESS 999 Oakmont Plaza Dr., Suite 200 Westmont, IL 60559

SIGNATURE AND TITLE [Signature]

\*EXTRAS INCLUDE BUT ARE NOT LIMITED TO CHANGE ORDERS, BOTH ORAL AND WRITTEN, TO THE CONTRACT.

**CONTRACTOR'S AFFIDAVIT**

STATE OF ILLINOIS }  
COUNTY OF DUPAGE } SS

TO WHOM IT MAY CONCERN:

THE UNDERSIGNED, (NAME) Gina Portschy BEING DULY SWORN, DEPOSES  
AND SAYS THAT HE OR SHE IS (POSITION) Controller OF  
(COMPANY NAME) K-Five Construction Corporation WHO IS THE  
CONTRACTOR FURNISHING Asphalt Paving WORK ON THE BUILDING  
LOCATED AT PALOS PARK, IL  
OWNED BY VILLAGE OF PALOS PARK

That the total amount of the contract including extras\* is \$ 1,026,014.17 on which he or she has received payment of  
\$ 922,337.90 prior to this payment. That all waivers are true, correct and genuine and delivered unconditionally and that  
there is no claim either legal or equitable to defeat the validity of said waivers. That the following are the names and addresses of all parties who have  
furnished material or labor, or both, for said work and all parties having contracts or sub contracts for specific portions of said work or for material  
entering into the construction thereof and the amount due or to become due to each, and that the items mentioned include all labor and material required to  
complete said work according to plans and specifications:

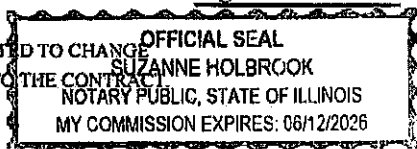
NAMES AND ADDRESSES	WHAT FOR	CONTRACT PRICE INCLD EXTRAS*	AMOUNT PAID	THIS PAYMENT	BALANCE DUE
K-Five Construction Corporation	Asphalt Paving	\$847,621.52	\$761,784.52	\$85,837.00	\$0.00
EMERGIA LLC	SEWER	\$173,992.65	\$156,593.38	\$17,399.27	\$0.00
TCP	TRAFFIC CONT	\$4,400.00	\$3,960.00	\$440.00	\$0.00
0	0	\$0.00	\$0.00	\$0.00	\$0.00
ALL MATERIAL TAKEN FROM FULLY PAID FOR STOCK & HAULED IN OUR OWN TRUCKS.					
ALL LABOR PAID IN FULL, ALL BITUMINOUS MATERIALS TAKEN FROM OUR OWN ASPHALT PLANT.					
TOTAL LABOR AND MATERIAL INCLUDING EXTRAS* TO COMPLETE		\$1,026,014.17	\$922,337.90	\$103,676.27	\$0.00

That there are no other contracts for said work outstanding, and that there is nothing due or to become due to any person for material, labor or other work of any kind done or to be done upon or in connection with said work other than above stated

DATE June 8, 2023 SIGNATURE: [Signature]

SUBSCRIBED AND SWORN TO BEFORE ME THIS Eighth DAY OF June, 2023

\*EXTRAS INCLUDE BUT ARE NOT LIMITED TO CHANGE ORDERS, BOTH ORAL AND WRITTEN, TO THE CONTRACT.



[Signature]  
NOTARY PUBLIC



**VILLAGE OF  
PALOS PARK**

**Village Council**

Mayor Nicole Milovich-Walters  
Village Clerk Marie Arrigoni  
Commissioner G. Darryl Reed  
Commissioner Dan Polk  
Commissioner Mike Wade  
Commissioner Rebecca Petan

**Meeting of: June 26, 2023**

**7:30 PM**

**Kaptur Administrative Center**

**AGENDA MATTER:**

Approve Purchase of Police Department Vehicle

**BACKGROUND/HISTORY:**

The Palos Park Police Department is looking to purchase 2 new Ford AWD Police Utility vehicles in the 2024 budget year. This item is brought to the Council so the order can be finalized to receive the Ford Explorer in the Fall. The cost of the vehicle from Terry's Ford Fleet department in Peotone is \$42,138.00. This vehicle is budgeted in the 2024 General Fund.

**STAFF RECOMMENDATION:**

Staff recommend approving the purchase of a new Ford Police AWD Utility Ford Explorer.

**RECOMMENDED MOTION:**

I move to forego the formal bidding process and approve the purchase of a 2023 Ford Explorer Police AWD Utility vehicle from Terry's Ford Fleet in Peotone at a cost of \$42,138.00.



**Business Preferred Network**  
SALES SERVICE FINANCE

TERRY'S FORD FLEET DEPT.  
363 N HARLEM AVENUE  
PEOTONE IL 60468  
708-258-2400

November 23, 2022

To: Village of Palos Park

Re: 2023 Ford Police AWD Utility (Explorer)

List Price: \$46,935.00  
Discounts ( 4,960.00)  
Title: \$155.00  
MP Plate: \$8.00

Total: \$42,138.00

Vehicle(s) delivered to your upfitter or municipality at no charge,  
full tank of fuel on delivery.

Submitted by:  
Linda Sucich  
TERRY'S FORD  
363 N HARLEM AVENUE  
PEOTONE IL 60468  
708-258-2400

X

DATE:



Prepared by: LINDA SUCICH

11/23/2022

Terry's Ford of Peotone, Inc. | 363 North Harlem Peotone Illinois | 604689127

## 2023 Police Interceptor Utility AWD Base (K8A)

Price Level: 320

### As Configured Vehicle

Code	Description	MSRP
<b>Base Vehicle</b>		
K8A	Base Vehicle Price (K8A)	\$47,165.00
<b>Packages</b>		
500A	Order Code 500A <i>Includes:</i> - 3.73 Axle Ratio - GVWR: 6,840 lbs (3,103 kgs) - Tires: 255/60R18 AS BSW - Wheels: 18" x 8" 5-Spoke Painted Black Steel <i>Includes polished stainless steel hub cover and center caps.</i> - Unique HD Cloth Front Bucket Seats w/Vinyl Rear <i>Includes reduced bolsters, driver 6-way power track (fore/aft. up/down, tilt with manual recline, 2-way manual lumbar), passenger 2-way manual track (fore/aft. with manual recline) and built-in steel intrusion plates in both driver/passenger seatbacks.</i> - Radio: AM/FM/MP3 Capable <i>Includes clock, 4-speakers, Bluetooth interface with hands-free voice command support (compatible with most Bluetooth connected mobile devices), 1 USB port and 4.2" color LCD screen center stack smart display.</i>	N/C
<b>Powertrain</b>		
99B	Engine: 3.3L V6 Direct-Injection (FFV) <i>(136-MPH top speed). Note: Deletes regenerative braking and lithium-ion battery pack; adds 250-Amp alternator, replaces H7 AGM battery (800 CCA/80-amp) with H7 SLI battery (730 CCA/80-amp) and replaces 19-gallon tank with 21.4-gallon.</i>	-\$2,830.00
44U	Transmission: 10-Speed Automatic (44U)	N/C
STDAX	3.73 Axle Ratio	Included
STDGV	GVWR: 6,840 lbs (3,103 kgs)	Included
<b>Wheels &amp; Tires</b>		
STDTR	Tires: 255/60R18 AS BSW	Included
STDWL	Wheels: 18" x 8" 5-Spoke Painted Black Steel <i>Includes polished stainless steel hub cover and center caps.</i>	Included
<b>Seats &amp; Seat Trim</b>		
9	Unique HD Cloth Front Bucket Seats w/Vinyl Rear	Included



Prepared by: LINDA SUCICH  
11/23/2022

Terry's Ford of Peotone, Inc. | 363 North Harlem Peotone Illinois | 604689127

**2023 Police Interceptor Utility AWD Base (K8A)**

Price Level: 320

**As Configured Vehicle (cont'd)**

Code	Description	MSRP
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*Includes reduced bolsters, driver 6-way power track (fore/aft. up/down, tilt with manual recline, 2-way manual lumbar), passenger 2-way manual track (fore/aft. with manual recline) and built-in steel intrusion plates in both driver/passenger seatbacks.*

**Other Options**

PAINT	Monotone Paint Application	STD
119WB	119" Wheelbase	STD
STDRD	Radio: AM/FM/MP3 Capable <i>Includes clock, 4-speakers, Bluetooth interface with hands-free voice command support (compatible with most Bluetooth connected mobile devices), 1 USB port and 4.2" color LCD screen center stack smart display.</i>	Included
86T	Tail Lamp/Police Interceptor Housing Only <i>Pre-existing holes with standard twist lock sealed capability (does not include LED strobe) (eliminates need to drill housing assemblies).</i>	\$60.00
43D	Dark Car Feature <i>Courtesy lamps disabled when any door is opened.</i>	\$25.00
51R	Driver Only LED Spot Lamp (Unity)	\$395.00
19V	Rear Camera On-Demand <i>Allows driver to enable rear camera on-demand.</i>	\$230.00
68G	Rear-Door Controls Inoperable <i>Locks, handles and windows. Note: Can manually remove window or door disable plate with special tool. Note: Locks/windows operable from driver's door switches.</i>	\$75.00
549	Heated Sideview Mirrors	\$60.00
47A	Police Engine Idle Feature <i>This feature allows you to leave the engine running and prevents your vehicle from unauthorized use when outside of your vehicle. Allows the key to be removed from ignition while vehicle remains idling.</i>	\$260.00
59W	4G LTE Wi-Fi Hotspot Credit	N/A

**Emissions**

425	50 State Emission System Flexible Fuel Vehicle (FFV) system is standard equipment for vehicles equipped with the 3.3L V6 Direct-Injection engine.	STD
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**Exterior Color**

UM_01	<del>Agate Black</del> Silver	N/C
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Prepared by: LINDA SUCICH

11/23/2022

Terry's Ford of Peotone, Inc. | 363 North Harlem Peotone Illinois | 604689127

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**2023 Police Interceptor Utility AWD Base (K8A)**

Price Level: 320

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**As Configured Vehicle (cont'd)**

<b>Code</b>	<b>Description</b>	<b>MSRP</b>
<b>Interior Color</b>		
96_01	Charcoal Black w/Unique HD Cloth Front Bucket Seats w/Vinyl Rear	N/C
<b>SUBTOTAL</b>		<b>\$45,440.00</b>
<b>Destination Charge</b>		<b>\$1,495.00</b>
<b>TOTAL</b>		<b>\$46,935.00</b>



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11/23/2022

Terry's Ford of Peotone, Inc. | 363 North Harlem Peotone Illinois | 604689127

## 2023 Police Interceptor Utility AWD Base (K8A)

Price Level: 320

# Selected Equip & Specs

### Dimensions

- Conventional Capacity: 5,000 lbs.
- Vehicle body width: 79"
- Wheelbase: 119"
- Rear track: 67"
- Interior cargo volume with seats folded: 90 cu.ft.
- Total passenger volume: 118.0 cu.ft.
- Headroom second-row: 40.4"
- Leg room second-row: 40.7"
- Shoulder room second-row: 61.3"
- Hip room second-row: 59.1"
- Vehicle body length: 199"
- Vehicle body height: 69"
- Front track: 67"
- Interior cargo volume: 52 cu.ft.
- Max interior cargo volume: 90 cu.ft.
- Headroom first-row: 40.7"
- Leg room first-row: 40.9"
- Shoulder room first-row: 61.8"
- Hip room first-row: 59.3"

### Powertrain

- \* **3.3L V-6 gasoline direct injection, DOHC, variable valve control, engine with 285HP**
- Spark ignition system
- Torque: 260 lb.-ft. @4000 RPM
- Heavy-duty radiator
- Automatic full-time AWD
- Recommended fuel: regular unleaded
- All-speed ABS and driveline traction control
- Engine cylinders: V-6
- Horsepower: 285 HP@6500 RPM
- Engine oil cooler
- 10-speed automatic
- All-wheel drive
- Easy Fuel capless fuel filler
- Permanent locking hub control

### Fuel Economy and Emissions

- Gasoline secondary fuel type
- \* **E85 additional fuel types**
- ULEV II emissions

### Suspension and Handling

- Standard ride suspension
- Gas-pressurized rear shock absorbers
- Gas-pressurized front shock absorbers

### Driveability

- 4-wheel disc brakes
- 4-wheel antilock (ABS) brakes
- Brake assist system
- Independent front suspension
- Front anti-roll bar
- Independent rear suspension
- Rear anti-roll bar
- Rack-pinion steering
- Front and rear ventilated disc brakes
- Four channel ABS brakes
- Hill start assist
- Strut front suspension
- Front coil springs
- Multi-link rear suspension
- Electric power-assist steering system
- 2-wheel steering system

### Body Exterior



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## 2023 Police Interceptor Utility AWD Base (K8A)

Price Level: 320

### Selected Equip & Specs (cont'd)

- Trailer wiring harness
- Clearcoat paint
- Body-coloured bodyside cladding
- Black side window trim
- Black door handles
- Black front bumper rub strip
- Body-coloured rear bumper
- Black grille
- \* **Exterior mirror LED spot lights**
- Convex spotter in driver and passenger side door mirrors
- Conventional left rear passenger door
- Liftgate rear cargo door
- 18 x 8-inch front and rear black steel wheels
- 4 doors
- Monotone paint
- Black wheel well trim
- Black windshield trim
- Body-coloured front bumper
- Front tow hook
- Black rear bumper rub strip
- Black door mirrors
- Standard style side mirrors
- \* **Video-feed rearview mirror**
- Conventional right rear passenger door
- P255/60RW18 AS BSW front and rear tires

### Convenience

- Power door locks
- Cruise control with steering wheel mounted controls
- Power first-row windows
- Driver foot rest
- Fixed interval rear windshield wipers
- Rear window defroster
- Locking glove box
- Driver and passenger door bins
- Retained accessory power
- Trip computer
- Power tailgate/rear door lock
- Day/Night rearview mirror
- Cargo area tray/organizer
- Power cargo area access release
- Heated rear wiper park
- Fixed rear windshield
- 2 beverage holders
- Dashboard storage
- PRND in IP

### Comfort

- Automatic climate control
- Cabin air filter
- Cloth headliner material
- Full vinyl floor covering
- Vinyl rear seat upholstery
- Manual tilting steering wheel
- Urethane steering wheel
- Dual-zone front climate control
- Rear under seat climate control ducts
- Full headliner coverage
- Full floor coverage
- Carpet rear seatback upholstery
- Manual telescopic steering wheel

### Seats and Trim

- Seating capacity: 5
- Driver seat with 8-way directional controls
- Height adjustable front seat head restraints
- Manual reclining driver seat
- Bucket front seats
- Front passenger seat with 4-way directional controls
- Manual front seat head restraint control
- Power height adjustable driver seat



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## 2023 Police Interceptor Utility AWD Base (K8A)

Price Level: 320

### Selected Equip & Specs (cont'd)

- Power driver seat fore/aft control
- Manual reclining passenger seat
- Fixed rear seats
- Height adjustable rear seat head restraints
- Cloth front seat upholstery
- Power driver seat cushion tilt
- Manual passenger seat fore/aft control
- Split-bench rear seat
- Manual driver seat lumbar

### Entertainment Features

- 1 total number of 1st row displays
- AM/FM stereo radio
- External memory control
- Standard grade speakers
- Speed sensitive volume
- 4.2 inch primary LCD display
- Seek scan
- Speakers number: 4
- Steering wheel mounted audio controls
- Integrated roof audio antenna

### Lighting, Visibility and Instrumentation

- Metal-look instrument panel insert
- Trip odometer
- Vehicle systems monitor
- Tachometer
- Engine hour meter
- Deep tinted windows
- LED low and high beam headlights
- Multiple enclosed headlights
- Speed sensitive wipers
- Rear reading lights
- High mounted center stop light
- Fade interior courtesy lights
- Analog instrumentation display
- In-radio display clock
- Redundant digital speedometer
- Engine/electric motor temperature gauge
- Traction battery level gauge
- Projector beam headlights
- Auto on/off headlight control
- Variable intermittent front windshield wipers
- Front reading lights
- Variable instrument panel light
- LED brake lights

### Technology and Telematics

- Bluetooth handsfree wireless device connectivity
- 1 USB port
- Fleet Telematics Modem selective service internet access

### Safety and Security

- Driver front impact airbag
- Curtain first and second-row overhead airbags
- Seat mounted side impact front passenger airbag
- Passenger side knee airbag
- Rear seat center 3-point seatbelt
- Front seatbelt pretensioners
- Rear camera with washer
- Manual rear child safety door locks
- Seat mounted side impact driver airbag
- Passenger front impact airbag
- Airbag occupancy sensor
- 7 airbags
- Front height adjustable seatbelts
- 2 seatbelt pre-tensioners
- Electronic stability control system with anti-roll



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## 2023 Police Interceptor Utility AWD Base (K8A)

Price Level: 320

### Selected Equip & Specs (cont'd)

#### Dimensions

##### General Weights

GVWR	6,840 lbs.	Payload	1,670 lbs.
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##### Trailer Weights

Conventional capacity	5,000 lbs.
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##### Off Road

* Min ground clearance	7.6"	Loading floor height	30.9 "
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##### Exterior Measurements

Vehicle body length	199"	Vehicle body width	79"
Vehicle body height	69"	Wheelbase	119"
Front track	67"	Rear track	67"

##### Interior Measurements

Interior cargo volume	52 cu.ft.	Max interior cargo volume	90 cu.ft.
Interior cargo area max width	48 "	Interior cargo volume with seats folded	90 cu.ft.
Length to rear seat	46 "		

##### Interior Volume

Total passenger volume	118.0 cu.ft.
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##### Headroom

Headroom first-row	40.7"	Headroom second-row	40.4"
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##### Legroom

Leg room first-row	40.9"	Leg room second-row	40.7"
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##### Shoulder Room

Shoulder room first-row	61.8"	Shoulder room second-row	61.3"
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##### Hip Room

Hip room first-row	59.3"	Hip room second-row	59.1"
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#### Powertrain

##### Engine

* Engine	<b>3.3L V-6 gasoline direct injection, DOHC, variable valve control, engine with 285HP</b>	Valves per cylinder	4
Engine cylinders	V-6	Engine location	Front mounted engine
Ignition	Spark ignition system	Engine mounting direction	Longitudinal mounted engine
Engine block material	Iron engine block	Cylinder head material	Aluminum cylinder head



Prepared by: LINDA SUCICH

11/23/2022

Terry's Ford of Peotone, Inc. | 363 North Harlem Peotone Illinois | 604689127

## 2023 Police Interceptor Utility AWD Base (K8A)

Price Level: 320

### Selected Equip & Specs (cont'd)

#### Engine Specs

Displacement	3.3L	cc	204 cu.in.
Bore	3.56"	Stroke	3.41"
Compression ratio	12.0		

#### Engine Power

Horsepower	285 HP@6500 RPM	Torque	260 lb.-ft.@4000 RPM
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#### Alternator

* Alternator amps	250A	* Alternator type	Regular duty alternator
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#### Battery

Battery amps	80Ah	* Battery type	Lead acid battery
* Battery rating	730CCA		

#### Engine Extras

Engine cooler	Engine oil cooler	Radiator	Heavy-duty radiator
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#### Transmission

Transmission	10-speed automatic	Transmission electronic control	Transmission electronic control
Overdrive transmission	Overdrive transmission	Lock-up transmission	Lock-up transmission
First gear ratio	4.696	Second gear ratio	2.985
Third gear ratio	2.146	Fourth gear ratio	1.769
Fifth gear ratio	1.52	Sixth gear ratio	1.275
Reverse gear ratio	4.866	Seventh gear ratio	1
Eighth gear ratio	0.854	Ninth gear ratio	0.689
Tenth gear ratio	0.636	Transmission oil cooler	Transmission oil cooler

#### Drive Type

4WD type	Automatic full-time AWD	Drive type	All-wheel drive
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#### Drivetrain

Axle ratio	3.73
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#### Exhaust

Tailpipe	Stainless steel dual exhaust
----------	------------------------------

#### Fuel

Fuel type	regular unleaded
-----------	------------------

#### Fuel Tank

Capless fuel filler	Easy Fuel capless fuel filler	* Fuel tank capacity	21.40 gal.
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#### Drive Feature



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11/23/2022

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## 2023 Police Interceptor Utility AWD Base (K8A)

Price Level: 320

### Selected Equip & Specs (cont'd)

Traction control	All-speed ABS and driveline traction control	Locking hub control control	Permanent locking hub control
------------------	--	-----------------------------	-------------------------------

#### *Electric Powertrain*

Number of electric motors	1
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#### *Provisions*

Provisions	Police/fire provisions
------------	------------------------

### Fuel Economy and Emissions

#### *Fuel Economy*

Secondary fuel type	Gasoline secondary fuel type
---------------------	------------------------------

#### *Emissions*

Emissions	ULEV II emissions	Emissions tiers	Tier 2 Bin 5 emissions
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#### *Fuel Economy (Alternate 1)*

* Additional fuel types	E85 additional fuel types
-------------------------	---------------------------

### Suspension and Handling

#### *Suspension*

Suspension	Standard ride suspension	Front shock absorbers	Gas-pressurized front shock absorbers
Rear shock absorbers	Gas-pressurized rear shock absorbers		

### Driveability

#### *Brakes*

Brake type	4-wheel disc brakes	Ventilated brakes	Front and rear ventilated disc brakes
ABS brakes	Four channel ABS brakes	ABS brakes	4-wheel antilock (ABS) brakes

#### *Brake Assistance*

Hill start assist	Hill start assist	Brake assist system	Brake assist system
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#### *Front Suspension*

Anti-roll bar front	Front anti-roll bar	Suspension ride type front	Independent front suspension
---------------------	---------------------	----------------------------	------------------------------

Suspension type front	Strut front suspension
-----------------------	------------------------

#### *Front Spring*

Regular front springs	Regular front springs	Springs front	Front coil springs
-----------------------	-----------------------	---------------	--------------------



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11/23/2022

Terry's Ford of Peotone, Inc. | 363 North Harlem Peotone Illinois | 604689127

## 2023 Police Interceptor Utility AWD Base (K8A)

Price Level: 320

### Selected Equip & Specs (cont'd)

#### Rear Spring

Springs rear      Rear coil springs      Rear springs      Regular grade rear springs

#### Rear Suspension

Anti-roll bar rear      Rear anti-roll bar      Suspension type rear      Multi-link rear suspension  
Suspension ride type rear      Independent rear suspension

#### Steering

Steering      Electric power-assist steering system      Steering type      Rack-pinion steering  
Steering type number of wheels      2-wheel steering system

### Exterior

#### Front Wheels

Front wheels diameter      18"      Front wheels width      8"

#### Rear Wheels

Rear wheels diameter      18"      Rear wheels width      8"

#### Front And Rear Wheels

Appearance      black      Material      steel

#### Front Tires

Aspect      60      Diameter      18"  
Sidewalls      BSW      Speed      W  
Tread      AS      Type      P  
Width      255mm

#### Rear Tires

Aspect      60      Diameter      18"  
Sidewalls      BSW      Speed      W  
Tread      AS      Type      P  
Width      255mm

### Body Exterior

#### Trailer

Towing capability      Trailer towing capability      Towing class      Class III tow rating  
Towing hitch      Trailer hitch      Towing wiring harness      Trailer wiring harness

#### Exterior Features

Number of doors      4 doors

#### Body



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11/23/2022

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**2023 Police Interceptor Utility AWD Base (K8A)**

Price Level: 320

**Selected Equip & Specs (cont'd)**

Body panels Galvanized steel and aluminum  
body panels with side impact beams

**Mirrors**

\*Video rearview mirror Video-feed rearview mirror Convex spotter Convex spotter in driver and passenger side door mirrors

**Spare Tire**

Spare tire Full-size spare tire with steel wheel Spare tire location Spare tire mounted under the cargo floor

**Aerodynamics**

Spoiler Rear lip spoiler

**Wheels**

Dual rear wheels Dual rear wheels Wheel covers Wheel hub covers

**Convenience**

**Door Locks**

Door locks Power door locks Tailgate control Power tailgate/rear door lock

**Cruise Control**

Cruise control Cruise control with steering wheel mounted controls

**Rear View Mirror**

Day/Night rearview mirror Day/Night rearview mirror

**Exterior Mirrors**

Door mirrors Power door mirrors Folding door mirrors Manual folding door mirrors  
\* Heated door mirrors Heated driver and passenger side door mirrors

**Front Side Windows**

First-row windows Power first-row windows

**Overhead Console**

Overhead console Mini overhead console Overhead console storage Overhead console storage

**Driver Visor**

Visor driver mirror Driver visor mirror

**Passenger Visor**

Visor passenger mirror Passenger visor mirror

**Power Outlets**



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**2023 Police Interceptor Utility AWD Base (K8A)**

Price Level: 320

**Selected Equip & Specs (cont'd)**

12V power outlets                      2 12V power outlets

**Cargo Features**

Cargo tie downs                      Cargo area tie downs                      Cargo light                      Cargo area light

**Cargo Trim**

Cargo floor type                      Carpet cargo area floor                      Trunk lid trim                      Plastic trunk lid trim

**Pedals**

Driver foot rest                      Driver foot rest

**Remote Releases**

Cargo access release                      Power cargo area access

**Rear Windshield**

Rear window defroster                      Rear window defroster                      Rear windshield                      Fixed rear windshield  
Rear windshield wipers                      Fixed interval rear                      Heated wiper area                      Heated rear wiper park  
windshield wipers

**Storage**

Door bins front                      Driver and passenger door bins                      Number of beverage holders                      2 beverage holders  
Glove box                      Locking glove box                      Dashboard storage                      Dashboard storage

**Windows Feature**

One-touch up window                      Driver and passenger                      One-touch down window                      Driver and passenger  
one-touch up windows                      one-touch down windows

**Windows Rear Side**

Second-row windows                      Power second-row                      Third-row windows                      Fixed third-row windows  
windows

**Miscellaneous**

Trip computer                      Trip computer                      PRND in IP                      PRND in IP  
Accessory power                      Retained accessory power

**Comfort**

**Climate Control**

Climate control                      Automatic climate control                      Dual-zone front climate control                      Dual-zone front  
Cabin air filter                      Cabin air filter                      Rear under seat ducts                      Rear under seat climate  
control ducts

**Headliner**

Headliner material                      Cloth headliner material                      Headliner coverage                      Full headliner coverage

**Door Trim**



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## 2023 Police Interceptor Utility AWD Base (K8A)

Price Level: 320

### Selected Equip & Specs (cont'd)

Door panel insert Metal-look door panel insert

#### Floor Trim

Floor covering Full vinyl floor covering Floor coverage Full floor coverage

#### Second-Row Seat Trim

Rear seat upholstery Vinyl rear seat upholstery Rear seatback upholstery Carpet rear seatback upholstery

#### Steering Wheel

Steering wheel telescopic steering wheel Manual telescopic steering wheel Steering wheel material Urethane steering wheel  
Steering wheel tilt Manual tilting steering wheel

### Seats and Trim

#### Seat Capacity

Seating capacity 5

#### Front Seats

Driver seat direction Driver seat with 8-way directional controls Height adjustable driver seat Power height adjustable driver seat  
Driver seat fore/aft control Power driver seat fore/aft control Driver seat cushion tilt Power driver seat cushion tilt  
Passenger seat direction Front passenger seat with 4-way directional controls Split front seats Bucket front seats  
Reclining passenger seat Manual reclining passenger seat Passenger seat fore/aft control Manual passenger seat fore/aft control  
Front head restraints Height adjustable front seat head restraints Front head restraint control Manual front seat head restraint control  
Reclining driver seat Manual reclining driver seat

#### Rear Seats

Bench seats Split-bench rear seat Rear seats fixed or removable Fixed rear seats  
Folding second-row seats 35-30-35 folding rear seats Rear seat direction Front facing rear seat  
Rear seat folding position Fold forward rear seatback Rear head restraints Height adjustable rear seat head restraints  
Rear head restraint control Manual rear seat head restraint control Number of rear head restraints 3 rear seat head restraints

#### Lumbar Seats

Driver lumbar Manual driver seat lumbar

#### Front Seat Trim

Front seat upholstery Cloth front seat upholstery Front seatback upholstery Vinyl front seatback upholstery



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## 2023 Police Interceptor Utility AWD Base (K8A)

Price Level: 320

### Selected Equip & Specs (cont'd)

#### Interior Accents

Interior accents Metal-look interior accents

#### Gearshifter Material

Gearshifter material Urethane gear shifter material

### Entertainment Features

#### LCD Displays

Number of first-row LCD displays 1 total number of 1st row displays LCD primary display size 4.2 inch primary LCD display

#### Radio Features

External memory External memory control Seek scan Seek scan

#### Speakers

Speakers Standard grade speakers Speakers number 4

#### Audio Features

Steering mounted audio control Steering wheel mounted audio controls Speed sensitive volume Speed sensitive volume

### Lighting, Visibility and Instrumentation

#### Instrument Panel Trim

Panel insert Metal-look instrument panel insert

#### Instrumentation

Trip odometer Trip odometer Instrumentation display Analog instrumentation display

#### Instrumentation Displays

Speedometer Redundant digital speedometer Systems monitor Vehicle systems monitor  
Clock In-radio display clock

#### Instrumentation Gauges

Tachometer Tachometer Traction battery level gauge Traction battery level gauge  
Engine/electric motor temperature gauge Engine/electric motor temperature gauge Engine hour meter Engine hour meter

#### Instrumentation Warnings

Engine temperature warning Engine temperature warning Oil pressure warning Oil pressure warning



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**2023 Police Interceptor Utility AWD Base (K8A)**

Price Level: 320

**Selected Equip & Specs (cont'd)**

Low fuel warning	Low fuel warning	Low washer fluid warning	Low washer fluid warning
Low brake fluid warning	Low brake fluid warning	Battery charge warning	Battery charge warning
Headlights on reminder	Headlights on reminder	Key in vehicle warning	Key in vehicle warning
Door ajar warning	Door ajar warning	Trunk warning	Rear cargo ajar warning
Service interval warning	Service interval indicator	Low tire pressure warning	Tire specific low air pressure warning

**Glass**

Tinted windows Deep tinted windows

**Headlights**

Headlights LED low and high beam headlights	Headlight type Projector beam headlights
Auto headlights Auto on/off headlight control	Multiple headlights Multiple enclosed headlights

**Front Windshield**

Wipers Variable intermittent front windshield wipers	Speed sensitive wipers Speed sensitive wipers
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**Interior Lighting**

Variable panel light Variable instrument panel light	Front reading lights Front reading lights
Rear reading lights Rear reading lights	

**Lights**

Interior courtesy lights Fade interior courtesy lights	LED brake lights LED brake lights
High mount stop light High mounted center stop light	

**Technology and Telematics**

**Connectivity**

Handsfree Bluetooth handsfree wireless device connectivity

**Internet Access**

Internet access Fleet Telematics Modem selective service internet access

**USB Ports**

USB ports 1 USB port

**Safety and Security**

**Airbags**



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## 2023 Police Interceptor Utility AWD Base (K8A)

Price Level: 320

### Selected Equip & Specs (cont'd)

Front impact airbag driver	Driver front impact airbag	Number of airbags	7 airbags
Front impact airbag passenger	Passenger front impact airbag	Knee airbag	Passenger side knee airbag
Front side impact airbag driver	Seat mounted side impact driver airbag	Front side impact airbag passenger	Seat mounted side impact front passenger airbag
Occupancy sensor	Airbag occupancy sensor	Overhead airbags	Curtain first and second-row overhead airbags

#### Seatbelts

3-point seatbelt	Rear seat center 3-point seatbelt	Height adjustable seatbelts	Front height adjustable seatbelts
Seatbelt pretensioners	Front seatbelt pretensioners	Seatbelt pretensioners number	2 seatbelt pretensioners

#### Cameras

Rear camera	Rear camera with washer
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#### Traction Control

Electronic stability control	Electronic stability control system with anti-roll
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#### Occupant Safety

Child door locks	Manual rear child safety door locks
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## 2023 Police Interceptor Utility AWD Base (K8A)

Price Level: 320

### Available Options

Selected	Code	Description	MSRP
<b>Packages</b>			
<input checked="" type="checkbox"/>	500A	Order Code 500A	N/C
		<i>Includes:</i> - Engine: 3.3L V6 Direct-Injection Hybrid System (136-MPH top speed). - Transmission: 10-Speed Automatic - 3.73 Axle Ratio - GVWR: 6,840 lbs (3,103 kgs) - Tires: 255/60R18 AS BSW - Wheels: 18" x 8" 5-Spoke Painted Black Steel <i>Includes polished stainless steel hub cover and center caps.</i> - Unique HD Cloth Front Bucket Seats w/Vinyl Rear <i>Includes reduced bolsters, driver 6-way power track (fore/aft. up/down, tilt with manual recline, 2-way manual lumbar), passenger 2-way manual track (fore/aft. with manual recline) and built-in steel intrusion plates in both driver/passenger seatbacks.</i> - Radio: AM/FM/MP3 Capable <i>Includes clock, 4-speakers, Bluetooth interface with hands-free voice command support (compatible with most Bluetooth connected mobile devices), 1 USB port and 4.2" color LCD screen center stack smart display.</i>	
<b>Powertrain</b>			
<input type="checkbox"/>	99W	Engine: 3.3L V6 Direct-Injection Hybrid System  (136-MPH top speed).	STD
<input checked="" type="checkbox"/>	99B	Engine: 3.3L V6 Direct-Injection (FFV)  (136-MPH top speed). Note: Deletes regenerative braking and lithium-ion battery pack; adds 250-Amp alternator, replaces H7 AGM battery (800 CCA/80-amp) with H7 SLI battery (730 CCA/80-amp) and replaces 19-gallon tank with 21.4-gallon.	-\$2,830.00
<input type="checkbox"/>	99C	Engine: 3.0L V6 EcoBoost  (148-MPH top speed). Note: Deletes regenerative braking and lithium-ion battery pack; adds 250-Amp alternator, replaces H7 AGM battery (800 CCA/80-amp) with H7 SLI battery (730 CCA/80-amp) and replaces 19-gallon tank with 21.4-gallon. <i>Includes:</i> - 3.31 Axle Ratio	\$950.00
<input type="checkbox"/>	44B	Transmission: 10-Speed Automatic	STD
<input checked="" type="checkbox"/>	44U	Transmission: 10-Speed Automatic (44U)	N/C
<input checked="" type="checkbox"/>	STDAX	3.73 Axle Ratio	STD



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**2023 Police Interceptor Utility AWD Base (K8A)**

Price Level: 320

**Available Options (cont'd)**

Selected	Code	Description	MSRP
<input type="checkbox"/>	NONAX	3.31 Axle Ratio	N/C
<input checked="" type="checkbox"/>	STDGV	GVWR: 6,840 lbs (3,103 kgs)	STD

**Wheels & Tires**

<input checked="" type="checkbox"/>	STDTR	Tires: 255/60R18 AS BSW	STD
<input checked="" type="checkbox"/>	STDWL	Wheels: 18" x 8" 5-Spoke Painted Black Steel <i>Includes polished stainless steel hub cover and center caps.</i>	STD
<input type="checkbox"/>	64E	Wheels: 18" Painted Aluminum <i>Spare wheel is an 18" conventional (Police) black steel wheel.</i>	\$475.00
<input type="checkbox"/>	65L	18" 5-Spoke Full Face Wheel Covers w/Metal Clips	\$60.00

**Seats & Seat Trim**

<input checked="" type="checkbox"/>	9	Unique HD Cloth Front Bucket Seats w/Vinyl Rear <i>Includes reduced bolsters, driver 6-way power track (fore/aft. up/down, tilt with manual recline, 2-way manual lumbar), passenger 2-way manual track (fore/aft. with manual recline) and built-in steel intrusion plates in both driver/passenger seatbacks.</i>	STD
<input type="checkbox"/>	F	Unique HD Cloth Front Bucket Seats w/Cloth Rear <i>Includes driver 6-way power track (fore/aft. up/down, tilt with manual recline, 2-way manual lumbar) and passenger 2-way manual track (fore/aft. with manual recline).</i>	\$60.00
<input type="checkbox"/>	87P	8-Way Power Passenger Seat <i>Includes 2-way power recline and lumbar.</i>	\$325.00

**Other Options**

<input checked="" type="checkbox"/>	PAINT	Monotone Paint Application	STD
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## 2023 Police Interceptor Utility AWD Base (K8A)

Price Level: 320

### Available Options (cont'd)

Selected	Code	Description	MSRP
<input checked="" type="checkbox"/>	119WB	119" Wheelbase	STD
<input checked="" type="checkbox"/>	STDRD	Radio: AM/FM/MP3 Capable <i>Includes clock, 4-speakers, Bluetooth interface with hands-free voice command support (compatible with most Bluetooth connected mobile devices), 1 USB port and 4.2" color LCD screen center stack smart display.</i>	STD
<input type="checkbox"/>	65U	Interior Upgrade Package <i>Includes:</i> - 1st & 2nd Row Carpet Floor Covering <i>Includes front and rear floor mats.</i> - Unique HD Cloth Front Bucket Seats w/Cloth Rear <i>Includes driver 6-way power track (fore/aft. up/down, tilt with manual recline, 2-way manual lumbar) and passenger 2-way manual track (fore/aft. with manual recline).</i> - Center Floor Console Less Shifter <i>Includes console and top plate with 2 cup holders. (Maintains column shifter).</i> - SYNC 3 Communications & Entertainment System <i>Includes 911 Assist, VHR, SYNC Services, AppLink, Bluetooth, steering wheel controls, USB port and auxiliary input jack.</i>	\$390.00
<input type="checkbox"/>	66A	Front Headlamp Lighting Solution  Recommend using ultimate wiring package (67U). <i>Includes LED low beam/high beam headlamp, wig-wag function and (2) red/blue/white LED side warning lights in each headlamp (factory configured: driver's side white/red/passenger side white/blue). Wiring and LED lights included (in headlamps only; grille lights not included). Controller not included.</i> <i>Includes:</i> - Grille LED Lights, Siren & Speaker Pre-Wiring	\$895.00
<input checked="" type="checkbox"/>	86T	Tail Lamp/Police Interceptor Housing Only  <i>Pre-existing holes with standard twist lock sealed capability (does not include LED strobe) (eliminates need to drill housing assemblies).</i>	\$60.00
<input type="checkbox"/>	66B	Tail Lamp Lighting Solution  Recommend using ultimate wiring package (67U). <i>Includes LED lights plus (2) rear integrated hemispheric lighthouse white LED side warning lights in taillamps. LED lights only. Wiring and controller not included.</i>	\$430.00
<input type="checkbox"/>	66C	Rear Lighting Solution  Recommend using ultimate wiring package (67U). <i>Includes (2) backlit flashing linear high-intensity LED lights (driver's side red/passenger side blue) mounted to inside liftgate glass and (2) backlit flashing linear high-intensity LED lights (driver's side red/passenger side blue) installed on inside lip of liftgate (lights activate when liftgate is open). LED lights only. Wiring and controller not included.</i>	\$455.00
<input type="checkbox"/>	67H	Ready for the Road Package	\$3,595.00



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## 2023 Police Interceptor Utility AWD Base (K8A)

Price Level: 320

### Available Options (cont'd)

Selected	Code	Description	MSRP
		<p><i>Includes Whelen Cencom light controller head with dimmable back light, Whelen Cencom relay center/siren/amp with traffic advisor control (mounted behind 2nd row seat), light controller/relay Cencom wiring (wiring harness) with additional input/output pigtails, high current pigtail, Whelen specific WECAN cable (console to cargo area) connects Cencom to control head and grille linear LED lights (red/blue) harness.</i></p> <p><i>Includes:</i></p> <ul style="list-style-type: none"> <li>- Front Headlamp Lighting Solution               <ul style="list-style-type: none"> <li><i>Includes LED low beam/high beam headlamp, wig-wag function and (2) red/blue/white LED side warning lights in each headlamp (factory configured: driver's side white/red/passenger side white/blue). Wiring and LED lights included (in headlamps only; grille lights not included). Controller not included.</i></li> <li>- Grille LED Lights, Siren &amp; Speaker Pre-Wiring</li> </ul> </li> <li>- Tail Lamp Lighting Solution               <ul style="list-style-type: none"> <li><i>Includes LED lights plus (2) rear integrated hemispheric lighthouse white LED side warning lights in taillamps. LED lights only. Wiring and controller not included.</i></li> </ul> </li> <li>- Rear Lighting Solution               <ul style="list-style-type: none"> <li><i>Includes (2) backlit flashing linear high-intensity LED lights (driver's side red/passenger side blue) mounted to inside liftgate glass and (2) backlit flashing linear high-intensity LED lights (driver's side red/passenger side blue) installed on inside lip of liftgate (lights activate when liftgate is open). LED lights only. Wiring and controller not included.</i></li> </ul> </li> <li>- Rear Console Plate               <ul style="list-style-type: none"> <li><i>Contours through 2nd row; channel for wiring.</i></li> </ul> </li> <li>- 100 Watt Siren/Speaker w/Bracket &amp; Pigtail</li> <li>- Hidden Door-Lock Plunger               <ul style="list-style-type: none"> <li><i>Includes rear-door controls inoperable (locks, handles and windows). Note: Can manually remove window or door disable plate with special tool. Note: Locks/windows operable from driver's door switches.</i></li> </ul> </li> </ul>	
<input type="checkbox"/>	67U	<p><b>Ultimate Wiring Package</b></p> <p>Recommend police wire harness connector kit (67V).</p> <p><i>Includes wiring harness instrument panel to rear cargo area (overlay), (2) light cables - supports up to (6) LED lights (engine compartment/grille), (1) 10-amp siren/speaker circuit engine compartment and rear hatch/cargo area wiring - supports up to (6) rear LED lights. Does not include LED lights, side connectors or controller.</i></p> <p><i>Includes:</i></p> <ul style="list-style-type: none"> <li>- Rear Console Plate               <ul style="list-style-type: none"> <li><i>Contours through 2nd row; channel for wiring.</i></li> </ul> </li> <li>- Grille LED Lights, Siren &amp; Speaker Pre-Wiring</li> </ul>	\$560.00
<input type="checkbox"/>	67V	<p><b>Front &amp; Rear Police Wire Harness Connector Kit</b></p> <p><i>For connectivity to Ford PI Package solutions includes front (2) male 4-pin connectors for siren, (5) female 4-pin connectors for lighting/siren/speaker, (1) 4-pin IP connector for speakers, (1) 4-pin IP connector for siren controller connectivity, (1) 8-pin sealed connector, (1) 14-pin IP connector, rear (2) male 4-pin connectors for siren, (5) female 4-pin connectors for lighting/siren/speaker, (1) 4-pin IP connector for speakers, (1) 4-pin IP connector for siren controller connectivity, (1) 8-pin sealed connector and (1) 14-pin IP connector.</i></p>	\$185.00
<input type="checkbox"/>	41H	<b>Engine Block Heater</b>	\$90.00
<input type="checkbox"/>	153	<b>Front License Plate Bracket</b>	N/C
<input checked="" type="checkbox"/>	43D	<b>Dark Car Feature</b>	\$25.00
		<i>Courtesy lamps disabled when any door is opened.</i>	
<input type="checkbox"/>	942	<b>Daytime Running Lamps</b>	\$45.00



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**2023 Police Interceptor Utility AWD Base (K8A)**

Price Level: 320

**Available Options (cont'd)**

Selected	Code	Description	MSRP
		Replaces standard configurable daytime running lamps for agencies that require always on daytime running lamps. <i>(Permanently on - cannot be turned off or reprogrammed).</i>	
<input type="checkbox"/>	17T	Switchable Red/White Lighting in Cargo Area <i>Deletes 3rd row overhead map light.</i>	\$50.00
<input type="checkbox"/>	21L	Front Warning Auxiliary LED Lights Recommend using ready for the road package (67H) or ultimate wiring package (67U). <i>Includes driver side - red/passenger side - blue.</i>	\$550.00
<input type="checkbox"/>	96W	Front Interior Visor LED Light Bar Recommend using ready for the road package (67H) or ultimate wiring package (67U) (when not ordering the interior upgrade package (65U)). <i>Super low-profile warning LED light bar fully integrated into the top of the windshield near the headliner - fully programmable. (Red/red or blue/blue operation. White take down and scene capabilities).</i>	\$1,145.00
<input type="checkbox"/>	60A	Grille LED Lights, Siren & Speaker Pre-Wiring	\$50.00
<input type="checkbox"/>	43A	Rear Auxiliary Liftgate Lights Recommend using ready for the road package (67H) or ultimate wiring package (67U). <i>Red/blue LED lights. Located beneath liftgate glass in applique panel. LED lights only. Wiring and controller not included.</i>	\$395.00
<input type="checkbox"/>	63L	Rear Quarter Glass Side Marker LED Lights Recommend using ready for the road package (67H) or ultimate wiring package (67U). <i>Includes driver side - red/passenger side - blue. LED lights only. Wiring and controller not included.</i>	\$575.00
<input type="checkbox"/>	96T	Rear Spoiler Traffic Warning LED Lights Recommend using ready for the road package (67H) or ultimate wiring package (67U) (when not ordering the interior upgrade package (65U)). <i>Fully integrated in rear spoiler for enhanced visibility. Provides red/blue/amber directional lighting - fully programmable.</i>	\$1,495.00



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## 2023 Police Interceptor Utility AWD Base (K8A)

Price Level: 320

### Available Options (cont'd)

Selected	Code	Description	MSRP
<input type="checkbox"/>	63B	Side Marker LED Sideview Mirrors  Recommend using ready for the road package (67H) or ultimate wiring package (67U). <i>Includes driver side - red/passenger side - blue. Located on exterior mirror housing. LED lights only. Wiring and controller not included.</i>	\$290.00
<input type="checkbox"/>	51P	Driver Side Spot Lamp Prep Kit <i>Does not include spot lamp housing and bulb.</i>	\$140.00
<input type="checkbox"/>	51W	Dual Side Spot Lamp Prep Kit <i>Does not include spot lamp housing and bulbs.</i>	\$280.00
<input checked="" type="checkbox"/>	51R	Driver Only LED Spot Lamp (Unity)	\$395.00
<input type="checkbox"/>	51T	Driver Only LED Spot Lamp (Whelen)	\$420.00
<input type="checkbox"/>	51S	Dual (Driver & Passenger) LED Spot Lamps (Unity)	\$620.00
<input type="checkbox"/>	51V	Dual (Driver & Passenger) LED Spot Lamps (Whelen)	\$665.00
<input type="checkbox"/>	92G	2nd Row, Rear Quarter & Liftgate Window Solar Tint  <i>Deletes privacy glass.</i>	\$120.00
<input type="checkbox"/>	92R	2nd Row Only Solar Tint Glass <i>Includes privacy glass on rear quarter and liftgate window.</i>	\$85.00
<input type="checkbox"/>	76D	Underbody Deflector Plate <i>Engine and transmission shield.</i>	\$335.00
<input type="checkbox"/>	47E	12.1" Integrated Computer Screen  <i>Includes 12.1" touchscreen display in center stack and allows for operation of laptop in remote location to free up cabin space in front passenger area, Audio Video Extender (AVX) box, 2 AVX cables, 2 USB cables and 1 HDMI cable.</i> <i>Includes:</i> <i>- SYNC 3 Communications &amp; Entertainment System</i> <i>Includes 911 Assist, VHR, SYNC Services, AppLink, Bluetooth, steering wheel controls, USB port and auxiliary input jack.</i>	\$2,745.00



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## 2023 Police Interceptor Utility AWD Base (K8A)

Price Level: 320

### Available Options (cont'd)

Selected	Code	Description	MSRP
<input type="checkbox"/>	87R	Rear View Camera  Not recommended with option (47E) 12.1" integrated computer screen. <i>Displayed in rear view mirror. Note: This option replaces the standard display in the center stack area. Note: Camera can only be displayed in the center stack (std) or the rear view mirror (87R). Includes: - Electrochromic Rear View Mirror Video is displayed in rear view mirror.</i>	N/C
<input checked="" type="checkbox"/>	19V	Rear Camera On-Demand <i>Allows driver to enable rear camera on-demand.</i>	\$230.00
<input type="checkbox"/>	52P	Hidden Door-Lock Plunger <i>Includes rear-door controls inoperable (locks, handles and windows). Note: Can manually remove window or door disable plate with special tool. Note: Locks/windows operable from driver's door switches.</i>	\$160.00
<input checked="" type="checkbox"/>	68G	Rear-Door Controls Inoperable <i>Locks, handles and windows. Note: Can manually remove window or door disable plate with special tool. Note: Locks/windows operable from driver's door switches.</i>	Variable
<input type="checkbox"/>	18D	Global Lock/Unlock Feature <i>Door-panel switches will lock/unlock all doors and rear liftgate. Eliminates overhead console liftgate unlock switch and 45-second timer. Also eliminates the blue liftgate release button if ordered with remote keyless entry.</i>	N/C
<input type="checkbox"/>	55F	Remote Keyless Entry Key Fob w/o Key Pad <i>Does not include PATS. Includes 4-key fobs. Key fobs are not fobbed alike when ordered with keyed-alike.</i>	\$340.00
<input type="checkbox"/>	59E	Keyed Alike - 1435x	\$50.00
<input type="checkbox"/>	59B	Keyed Alike - 1284x	\$50.00
<input type="checkbox"/>	59D	Keyed Alike - 0135x	\$50.00
<input type="checkbox"/>	59F	Keyed Alike - 0576x	\$50.00
<input type="checkbox"/>	59J	Keyed Alike - 1111x	\$50.00



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## 2023 Police Interceptor Utility AWD Base (K8A)

Price Level: 320

### Available Options (cont'd)

Selected	Code	Description	MSRP
<input type="checkbox"/>	59C	Keyed Alike - 1294x	\$50.00
<input type="checkbox"/>	59G	Keyed Alike - 0151x	\$50.00
<input type="checkbox"/>	16C	1st & 2nd Row Carpet Floor Covering <i>Includes front and rear floor mats.</i>	\$125.00
<input type="checkbox"/>	85D	Front Console Plate Delete	N/C
<input type="checkbox"/>	85S	Rear Center Seat Delete <i>Deletes the center section of the 2nd row seat. Includes molded trim floor panel in lieu of center seat section.</i>	N/C
<input type="checkbox"/>	85R	Rear Console Plate <i>Contours through 2nd row; channel for wiring.</i>	\$45.00
<input type="checkbox"/>	90D	Driver Only Ballistic Door-Panels (Level III+)  Tested and meets the requirements of NIJ standard 0108.01 Level III: 7.62 x 51 mm 9.7g M80 (.308 Winchester 150gr). Per LAPD requirements, they're also designed to withstand special threat rounds: 7.62 x 39 mm MSC 7.9g (Type 56), 5.56 x 45 mm M193 3.36g and 5.56 x 45mm M855 4g.	\$1,585.00
<input type="checkbox"/>	90E	Ballistic Door-Panels (Level III+)  Tested and meets the requirements of NIJ standard 0108.01 Level III: 7.62 x 51 mm 9.7g M80 (.308 Winchester 150gr). Per LAPD requirements, they're also designed to withstand special threat rounds: 7.62 x 39 mm MSC 7.9g (Type 56), 5.56 x 45 mm M193 3.36g and 5.56 x 45mm M855 4g. <i>Driver and passenger front-doors.</i>	\$3,170.00
<input type="checkbox"/>	90F	Driver Only Ballistic Door-Panels (Level IV+)  Tested and meets the requirements of NIJ standard 0108.01 Level IV: .30-06 M2 AP 166gr (7.62 x 63 APM2 10.8g). Also designed to withstand special threat rounds: 7.62 x 54R LPS 9.65g and 7.62 x 51 mm M61 9.75g (.308 Winchester 150.5gr). In addition, Level IV+ includes all of the NIJ Level III and LAPD rounds listed in footnote 2.	\$2,415.00
<input type="checkbox"/>	90G	Ballistic Door-Panels (Level IV+)	\$4,830.00



Prepared by: LINDA SUCICH

11/23/2022

Terry's Ford of Peotone, Inc. | 363 North Harlem Peotone Illinois | 604689127

## 2023 Police Interceptor Utility AWD Base (K8A)

Price Level: 320

### Available Options (cont'd)

Selected	Code	Description	MSRP
		Tested and meets the requirements of NIJ standard 0108.01 Level IV: .30-06 M2 AP 166gr (7.62 x 63 APM2 10.8g). Also designed to withstand special threat rounds: 7.62 x 54R LPS 9.65g and 7.62 x 51 mm M61 9.75g (.308 Winchester 150.5gr). In addition, Level IV+ includes all of the NIJ Level III and LAPD rounds listed in footnote 2. <i>Driver and passenger front-doors.</i>	
<input type="checkbox"/>	55B	BLIS Blind Spot Monitoring w/Cross Traffic Alert  <i>Includes: - Manual Fold-Away Mirrors w/Heat Without memory and without puddle lamps.</i>	\$545.00
<input type="checkbox"/>	68B	Police Perimeter Alert  Now enables rearview camera image display in the rear view mirror option (87R) when Rear Camera on Demand (19V) is ordered.  <i>Detects motion in an approximately 270-degree radius on sides and back of vehicle; if movement is determined to be a threat, chime will sound at level I. Doors will lock and windows will automatically go up at level II. Includes visual display in instrument cluster with tracking.</i>	\$675.00
<input type="checkbox"/>	76P	Pre-Collision Assist w/Pedestrian Detection  <i>Includes forward collision warning and Automatic Emergency Braking and unique one-touch temporary disable switch for law enforcement use.</i>	\$145.00
<input checked="" type="checkbox"/>	549	Heated Sideview Mirrors	\$60.00
<input type="checkbox"/>	593	Perimeter Anti-Theft Alarm  <i>Activated by hood, door or liftgate; when unauthorized entry occurs, system will flash the headlamps, parking lamps and sound the horn.</i>	\$120.00
<input checked="" type="checkbox"/>	47A	Police Engine Idle Feature  <i>This feature allows you to leave the engine running and prevents your vehicle from unauthorized use when outside of your vehicle. Allows the key to be removed from ignition while vehicle remains idling.</i>	\$260.00
<input type="checkbox"/>	76R	Reverse Sensing System	\$275.00
<input type="checkbox"/>	17A	Rear Auxiliary Air Conditioning	\$610.00
<input type="checkbox"/>	16D	Badge Delete  <i>Deletes the Police Interceptor badging on rear liftgate and the Interceptor badging on front hood (EcoBoost).</i>	N/C



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11/23/2022

Terry's Ford of Peotone, Inc. | 363 North Harlem Peotone Illinois | 604689127

**2023 Police Interceptor Utility AWD Base (K8A)**

Price Level: 320

**Available Options (cont'd)**

Selected	Code	Description	MSRP
<input type="checkbox"/>	63V	Cargo Storage Vault <i>Includes lockable door and compartment light.</i>	\$245.00
<input type="checkbox"/>	19K	H8 AGM Battery (850 CCA/92-amp)	\$110.00
<input type="checkbox"/>	68E	Low-Band Frequency Noise Suppression Kit  <i>Noise suppression bonds (60R) do not provide adequate noise suppression in this frequency range.  Recommended for agencies that operate radio equipment in the 39-46 MHz frequency range (VHF low band - channel 1-9). Provides noise suppression for in-car two-way radio communication devices in the 39-46 MHz frequency range.</i>	\$195.00
<input type="checkbox"/>	60R	Noise Suppression Bonds (Ground Straps)	\$100.00
<input type="checkbox"/>	16P	Rear Bumper Step Pad	\$95.00
<input type="checkbox"/>	18X	100 Watt Siren/Speaker w/Bracket & Pigtail	\$315.00
<input type="checkbox"/>	61B	OBD-II Split Connector <i>Allows up to 2 devices to be connected to the vehicle's OBD-II port.</i>	\$55.00
<input type="checkbox"/>	79V	COV Required	N/A
<input type="checkbox"/>	C09	Priced DORA	N/C
<input checked="" type="checkbox"/>	59W	4G LTE Wi-Fi Hotspot Credit	N/A

**Fleet Options**

<input type="checkbox"/>	D9G	Built: Chicago Plant	N/C
<input type="checkbox"/>	D9G_	Built: Bartlett Plant	N/C



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## 2023 Police Interceptor Utility AWD Base (K8A)

Price Level: 320

### Available Options (cont'd)

Selected	Code	Description	MSRP
<input type="checkbox"/>	D9N	Built: Chicago Plant	N/C
<input type="checkbox"/>	31A	Ship-Thru: Auto Truck	\$0.00
<input type="checkbox"/>	31C	Ship-Thru: Crown North America	\$0.00
<input type="checkbox"/>	FLADCR	Fleet Advertising Credit	N/A
<input type="checkbox"/>	FINAL1	Fleet Final Order Date: TBD	N/C

### VSO Options

<input type="checkbox"/>	ZK9	Rear Marker Red Driver Side & Blue Passenger Side	\$59.00
<input type="checkbox"/>	ZKD	Front Red Driver Side & Blue Passenger Side	\$256.00
<input type="checkbox"/>	ZKG	PIU Front Red Driver Side & Blue Passenger Side	\$256.00
<input type="checkbox"/>	ZKE	PIU Front Marker Blue & Blue	\$256.00
<input type="checkbox"/>	ZKF	PIU Front Marker Red & Red	\$256.00
<input type="checkbox"/>	ZK2	PIU Front Auxiliary Blue & Blue	\$194.00
<input type="checkbox"/>	ZK3	PIU Front Auxiliary Red & Red	\$194.00
<input type="checkbox"/>	ZKA	PIU Front Marker Blue & White	\$256.00
<input type="checkbox"/>	ZKB	PIU Front Marker Red & White	\$256.00



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11/23/2022

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## 2023 Police Interceptor Utility AWD Base (K8A)

Price Level: 320

### Available Options (cont'd)

Selected	Code	Description	MSRP
<input type="checkbox"/>	ZKC	PIU Front Marker Red & Blue Split	\$256.00
<input type="checkbox"/>	ZJU	PIU Grille Blue & Blue	\$50.00
<input type="checkbox"/>	ZJV	PIU Grille Red & Red	\$50.00
<input type="checkbox"/>	ZJT	PIU Light Control Delete	-\$221.00
<input type="checkbox"/>	ZJY	PIU Mirror Blue & Blue	\$53.00
<input type="checkbox"/>	ZJZ	PIU Mirror Red & Red	\$53.00
<input type="checkbox"/>	ZJW	PIU Rear LED Blue & Blue	\$56.00
<input type="checkbox"/>	ZJX	PIU Rear LED Red & Red	\$56.00
<input type="checkbox"/>	ZK4	PIU Rear Liftgate Blue & Blue	\$168.00
<input type="checkbox"/>	ZK5	PIU Rear Liftgate Red & Red	\$168.00
<input type="checkbox"/>	ZK6	PIU Rear Marker Blue & Blue	\$59.00
<input type="checkbox"/>	ZK7	PIU Rear Marker Red & Red	\$59.00
<input type="checkbox"/>	ZK8	PIU Rear Marker Red & Blue Split	\$59.00
<input type="checkbox"/>	ZJ9	PIU Rear Quarter Blue & Blue	\$54.00
<input type="checkbox"/>	ZJA	PIU Rear Quarter Red & Red	\$54.00



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## 2023 Police Interceptor Utility AWD Base (K8A)

Price Level: 320

### Available Options (cont'd)

Selected	Code	Description	MSRP
<input type="checkbox"/>	ZJM	Front Red Driver Side & Blue Passenger Side (ZJM)	\$256.00
<input type="checkbox"/>	ZJP	PIU Front Red Driver Side & Blue Psgr Side (ZJP)	\$256.00
<input type="checkbox"/>	ZJN	PIU Front Marker Blue & Blue (ZJN)	\$256.00
<input type="checkbox"/>	ZJO	PIU Front Marker Red & Red (ZJO)	\$256.00
<input type="checkbox"/>	ZJB	PIU Front Auxiliary Blue & Blue (ZJB)	\$194.00
<input type="checkbox"/>	ZJC	PIU Front Auxiliary Red & Red (ZJC)	\$194.00
<input type="checkbox"/>	ZJJ	PIU Front Marker Blue & White (ZJJ)	\$256.00
<input type="checkbox"/>	ZJK	PIU Front Marker Red & White (ZJK)	\$256.00
<input type="checkbox"/>	ZJL	PIU Front Marker Red & Blue Split (ZJL)	\$256.00
<input type="checkbox"/>	ZJ5	PIU Grille Blue & Blue (ZJ5)	\$51.00
<input type="checkbox"/>	ZJ6	PIU Grille Red & Red (ZJ6)	\$51.00
<input type="checkbox"/>	ZJ4	PIU Light Control Delete (ZJ4)	-\$246.00
<input type="checkbox"/>	ZJR	PIU Mirror Blue & Blue (ZJR)	\$53.00
<input type="checkbox"/>	ZJS	PIU Mirror Red & Red (ZJS)	\$53.00
<input type="checkbox"/>	ZJ7	PIU Rear LED Blue & Blue (ZJ7)	\$56.00



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**2023 Police Interceptor Utility AWD Base (K8A)**

Price Level: 320

**Available Options (cont'd)**

Selected	Code	Description	MSRP
<input type="checkbox"/>	ZJ8	PIU Rear LED Red & Red (ZJ8)	\$56.00
<input type="checkbox"/>	ZJD	PIU Rear Liftgate Blue & Blue (ZJD)	\$163.00
<input type="checkbox"/>	ZJE	PIU Rear Liftgate Red & Red (ZJE)	\$163.00
<input type="checkbox"/>	ZJF	PIU Rear Marker Blue & Blue (ZJF)	\$59.00
<input type="checkbox"/>	ZJG	PIU Rear Marker Red & Red (ZJG)	\$59.00
<input type="checkbox"/>	ZJH	PIU Rear Marker Red & Blue Split (ZJH)	\$59.00
<input type="checkbox"/>	ZK0	PIU Rear Quarter Blue & Blue (ZK0)	\$54.00
<input type="checkbox"/>	ZK1	PIU Rear Quarter Red & Red (ZK1)	\$54.00
<input type="checkbox"/>	ZJ1	Rear Marker Red Driver Side & Blue Psgr Side (ZJ1)	\$59.00

**Emissions**

<input checked="" type="checkbox"/>	425	50 State Emission System	STD
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Flexible Fuel Vehicle (FFV) system is standard equipment for vehicles equipped with the 3.3L V6 Direct-Injection engine.

**General Info**

<input type="checkbox"/>	ORDER1	Initial Order Date: 08/05/2022	N/C
<input type="checkbox"/>	START1	Start-Up Date: 11/22/2022	N/C



Prepared by: LINDA SUCICH  
11/23/2022

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## 2023 Police Interceptor Utility AWD Base (K8A)

Price Level: 320

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### Available Options (cont'd)

Selected	Code	Description	MSRP
<input type="checkbox"/>	BUILD1	Build-Out Date: TBD	N/C

8999 West 123<sup>rd</sup> Street  
 Fax: (708) 448-9542  
 Phone: (708)671-3730  
 Palos Park, IL 60464  
 www.palospark.org



To: Mike Wade, Building Dept. Commissioner  
 From: Building Department  
 Date: June 21, 2023  
 Subject: Building Department Report for Council Meeting June 26, 2023

**AVOID DAMAGE TO NEIGHBORHOOD UNDERGROUND UTILITIES**

Please remember to call JULIE (Joint Utility Locating Information for Excavators) at 811 before any digging projects. Most sewer, water, gas, electric and telecommunications services are buried underground. A simple call to 811 will allow JULIE to mark utility locations on your property within two working days. Respect the marks and dig with care to avoid personal injury and damage to underground utilities. JULIE's services are free.

**PERMITS:**

The Building Department processed thirteen (13) permits from June 6, 2023-June 21, 2023 resulting in \$2,586.00 in permit fees.

**BUILDING PERMIT INSPECTIONS**

Sixteen (16) inspections were completed during this time.

<b>ADDRESS</b>	<b>PERMIT TYPE</b>	<b>COST</b>
12011 S WINSLOW	FENCE	\$225.00
12 COMMONS DRIVE	DECK	\$225.00
11756 S 83 <sup>RD</sup> AVE	ROOF	\$225.00
11904 S 86 <sup>TH</sup> AVENUE	CONCRETE	\$150.00
8700 W 121 <sup>ST</sup> STREET	GRADING	\$150.00
12420 IROQUOIS	PATIO	\$225.00
9 OLD TIMBER LANE	ROOF	\$225.00
12444 S 79 <sup>TH</sup> AVENUE	WINDOWS	\$150.00
2 COMMONS DRIVE	DECK	\$300.00
12317 S FOREST GLEN	ROOF	\$225.00
11730 S 85 <sup>TH</sup> AVENUE	SHED	\$111.00
9404 W 123 <sup>RD</sup> STREET	GRADING	\$150.00
12604 PAWNEE ROAD	ROOF	\$225.00
	<b>TOTAL</b>	<b>\$2,586.00</b>
	<b>PREVIOUS REPORT</b>	<b>\$10,134.70</b>
	<b>FISCAL YEAR TO DATE</b>	<b>\$12,720.70</b>

**It's that time of year when everyone is out enjoying our parks and trails. Please remind loved ones to remove all valuables before heading out. A good rule to follow is: if you can't take it with you, leave it at home. Removing valuables and locking your doors may not stop all thieves from trying to get inside, but these preventive steps will make you less of a target. And as always, if you see something suspicious - call us.  
#SeeSomethingSaySomething**

**Whether you enjoy leisurely walks, a run, a horse ride, bike rides or fast-paced mountain biking 🏔️ they are all a great way to get out and get active! But make sure you're keeping yourself and your property safe when you're not riding. Use a proper U-Lock to secure your bike when not in use to keep it as safe as possible.**



Palos Park Police are encouraging people to drive safely during this Fourth of July holiday.

To help ensure the safety of all motorists, PPPD officers will be focused on distracted drivers, impaired drivers, and drivers and passengers not buckled up.

Traffic is expected to start ramping up Friday afternoon as many drivers hit the road for the Fourth of July holiday and Palos Park Police will also be out patrolling the roadways to enforce traffic laws.

Police Commissioner Dan Polk said, "The primary goal of the law enforcement presence will be to prevent the tragedies as we prepare to celebrate the birth of our nation, we must not neglect to prepare to conduct safe travel practices over the holiday period. PPPD officers will be focused on providing oversight through enforcement efforts to ensure motorists get to and from their holiday destinations safely."

More than 43 million people are expected to hit the roadways this Fourth of July. Motorist should be prepared to see more drivers out over the holiday, as people plan to get out and visit their friends and family and spend time together. Summer days are filled with celebrations, vacations, outdoor festivals and backyard cookouts, but no matter where your plans take you, please make safety your priority. PPPD urges all to buckle up, eliminate distractions and never drive buzzed, drunk, or under the influence.

Together we can make this Independence Day the safest on record!"  
Please! Do your part to ensure safety on Palos Park roads:

Don't drive distracted

Avoid tailgating

Use turn signals

Obey the speed limit

Make sure everyone is buckled up

Don't drive impaired by drugs or alcohol

If you do see an impaired driver, call 911 and give the vehicle's description, location and direction of travel, and license plate, if possible.

The goal is for everyone to celebrate safely and responsibly to ensure a safe Fourth of July.

Hot dogs on the grill or not, PPPD will be out in force over the 4<sup>th</sup> of July holiday.

**Congratulations to Palos Park CERT Class #2 who graduated today. The participants completed the FEMA 20-hour course over an 8 week period.**

**The course concluded with a final exam. Followed by a disaster simulation where their skills in Damage Assessment, Fire Suppression, Medical Triage/Treatment and Search & Rescue were put to the test.**

**On hand to assist with the various stations and disaster role players were members of the Palos Park Police CSO's and Palos Park CERT.**

**Mayor Nicole Milovuch-Walters presented the dedicated citizen volunteers with their certificate of achievement.**

**Welcome to the Palos Park CERT team!**





**Village Council**  
*Mayor Nicole Milovich-Walters*  
*Village Clerk Marie Arrigoni*  
*Commissioner G. Darryl Reed*  
*Commissioner Dan Polk*  
*Commissioner Mike Wade*  
*Commissioner Rebecca Petan*

Meeting of: June 26, 2023

7:30 PM

Kaptur Administrative Center

**AGENDA MATTER:**

Renewal of Health, Dental, Life, and Vision Insurance

**BACKGROUND/HISTORY:**

The Village of Palos Park's health benefit plans are renewed on August 1<sup>st</sup> each year. Open enrollment will occur following employee informational presentations; those presentations are held following Council approval of the program plans.

As in the past, the Village utilized the services of The Horton Group (broker) to assist us with insurance, risk management, and employee benefits for full-time employees of the Village. The Village hired The Horton Group (Horton) in August of 2010 to assist with evaluating and negotiating the annual healthcare insurance. There are 28 employees participating in the program along with their dependents (does not include working spouses who have other health insurance available-'spousal carve-out'). Twenty-three (23) of the plan participants are on plans which require a 20% employee match; two (2) HMO employee-only match at 15%; two (2) employee-only matches at 6%; and one (1) employee-spouse HSA match at 10%.

Through Horton, four (4) carriers were approached including the incumbent; two (2) declined (Aetna, and Cigna). Quotes for the medical component of the benefit plan were submitted by two (2) carriers, including our current provider. United Health Care quoted similar plans to the current Village healthcare plans but at a 56.51% higher rate (roughly \$256,500 increase). The current provider, Blue Cross Blue Shield (BCBS) quoted the same health plans as the past year, as well as some alternate plans. There was an initial pricing increase from BCBS for the medical component of 29.85%, or \$135,510.96. After negotiations, the increase was reduced to 19.4% or \$88,080.12.

BCBS did provide alternate plan designs, the most favorable, on a cost perspective, is changing the PPO plan, with an individual deductible of \$1,000, to a two-tiered Blue Choice Options plan. These plans move employees to a two-tiered PPO system, each tier's deductible and out of pocket costs would be based on hospital affiliation. Most of the hospitals in our area, except for the University of Chicago system (including Ingalls) Rush University Medical Center and Lurie Children's Hospital, would be in Tier 1. This alternate also moves the current single tier HSA plan to a two-tiered HSA plan. Last year, the Village accepted the Blue Cross Options PPO (two-tiered plan) for the traditional

\$500 deductible plan. With these alternate plan designs, along with a 0.5% discount for bundling the BCBS life plan, the Village's health care plans would increase 4.56% or \$20,701.92. The Village's share of the increase, after employee cost share, would be \$13,737.17. The Village's FY 24 budget anticipated a 6.5% increase in health, dental and life insurance premiums. The increase sought by BCBS, and the additional lines of coverage, are within the approved budget framework.

For the dental component of the plan, five (5) providers quoted including the incumbent MetLife. The two-year quote from MetLife has an increase over current dental plan rate of 4% or \$1,149/annual increase, that rate is held for year two (0% increase).

The core life/accidental death and dismemberment insurance policy received quotes from two (2) carriers including the incumbent provider BCBS of IL. BCBS has quoted a 6% increase or an increase of \$288/annually. As mentioned earlier, the BCBS health insurance rates will be discounted provided the Village keeps its employee life insurance policies with BCBS.

In addition to the Village policy, employees are offered optional (employee expense) additional life insurance beyond the \$50,000 policy the Village purchases, that insurance is available through BCBS with no cost increase from last year. Therefore, the Village life/AD&D and its voluntary life insurance program is recommended to remain with BCBS.

Employees will also continue to be offered voluntary participation (100% employee cost) in a vision program. Two (2) carriers quoted the voluntary vision program. VSP, the current provider, quoted an 0.2% increase; the other quote received was for a 4% increase. VSP is the recommended voluntary vision plan provider.

**STAFF RECOMMENDATION:**

Staff recommends the medical coverage be provided through the alternate plan design Blue Cross Blue Shield (BCBS) HMO program, BCBS Blue Choice PPO and HSA program; two-year plan through MetLife for dental coverage; remain with BCBS for life/AD&D coverage, and BCBS for voluntary life; and VSP for the voluntary vision program.

**RECOMMENDED MOTION:**

I move to approve the following for the Village's August 1, 2023, annual renewal employee health care program: Blue Cross Blue Shield (BCBS) HMO program, BCBS Blue Choice PPO and HSA program; two-year plan through MetLife for dental coverage; remain with BCBS for life/AD&D coverage, and BCBS for voluntary life insurance; and VSP for the voluntary vision program.



**HORTON**

Growing what's good.

Village of Palos Park

# Marketing Proposal

August 2023

Mike Wojcik

[Mike.Wojcik@thehortongroup.com](mailto:Mike.Wojcik@thehortongroup.com)

Phone: 708.845.3126 / Cell: 708.650.1557

**Market Approach**

**Village of Palos Park**

August 2023

*The following Medical markets were approached:*

CARRIER	STATUS
Aetna	Declined
BCBS	Incumbent
Cigna	Declined
United Healthcare	Quoted

Based on 2023 Renewal

	EE	ES	EC	FAM	Total
HMO	2	0	1	4	7
BCO PPO	1	0	0	0	1
\$1000 PPO	8	2	4	3	17
\$2900 HSA	2	1	0	0	3
<b>Total</b>	<b>13</b>	<b>3</b>	<b>5</b>	<b>7</b>	<b>28</b>

Presented By: Mike Wojcik

Carriers: Type of Plan	CURRENT BCBS				RENEWAL BCBS					
	HMO MIBAH2020	Blue Choice Options PPO Tier 1 MIBCO2000	Tier 2	PPO MIBPP2040	HSA (Emb) MIEEE2041	HMO MIBAH2020	Blue Choice Options PPO Tier 1 MIBCO2000	Tier 2	PPO MIBPP2040	HSA (Emb) MIEEE3043
<b>In Network Benefits</b>										
Individual Deductible	\$0	\$500	\$1,500	\$1,000	\$2,900	\$0	\$500	\$1,500	\$1,000	\$3,100
Family Deductible	\$0	\$1,500	\$4,500	\$3,000	\$5,800	\$0	\$1,500	\$4,500	\$3,000	\$6,200
Individual Out of Pocket	100%	90%	70%	90%	100%	100%	70%	70%	90%	100%
Family Out of Pocket	\$1,500	\$4,000	\$5,600	\$2,000	\$2,900	\$1,500	\$5,600	\$5,600	\$2,000	\$3,100
Emergency Room Co-pay	\$3,000	\$10,200	\$10,200	\$6,000	\$5,800	\$3,000	\$10,200	\$10,200	\$6,000	\$6,200
Hospital Inpatient Co-pay	\$250	\$400, then 90%	\$400, then 90%	\$150	100% After Ded	\$250	\$400, then 90%	\$400, then 90%	\$150	100% After Ded
Retail Rx Co-pay	n/a	\$250, then 90%	\$500, then 70%	90% After Ded	100% After Ded	n/a	\$250, then 90%	\$500, then 70%	90% After Ded	100% After Ded
Mail Order Rx Co-pay	\$0/10/50/100/150/250	Preferred: \$0/10/35/75/150/250	Non-preferred: \$10/20/55/95/150/250	\$0/10/50/100/150/250	100% After Ded	\$0/10/50/100/150/250	Preferred: \$0/10/35/75/150/250	Non-preferred: \$10/20/55/95/150/250	\$0/10/50/100/150/250	100% After Ded
Individual Rx Out of Pocket	Included in Med	Included in Med	Included in Med	Included in Med	100% After Ded	Included in Med	Included in Med	Included in Med	Included in Med	100% After Ded
Family Rx Out of Pocket	Included in Med	Included in Med	Included in Med	Included in Med	100% After Ded	Included in Med	Included in Med	Included in Med	Included in Med	100% After Ded
Primary Physician Office Visit Co-pay	\$20	\$20	\$50	\$20	100% After Ded	\$20	\$50	\$20	\$20	100% After Ded
Specialists Office Visit Co-pay	\$40	\$40	\$100	\$40	100% After Ded	\$40	\$100	\$40	\$40	100% After Ded
Telemedicine	N/A	\$20	\$20	\$0	Subject to Ded and Coinsurance	N/A	\$20	\$20	\$0	Subject to Ded and Coinsurance
Preventative Services	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Lifetime Maximum	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
<b>Out of Network Benefits</b>										
Individual Deductible	\$3,000	\$3,000	\$9,000	\$2,000	\$5,800	\$3,000	\$3,000	\$9,000	\$2,000	\$6,200
Family Deductible	\$9,000	\$9,000	\$27,000	\$6,000	\$11,600	\$9,000	\$9,000	\$27,000	\$6,000	\$12,400
Co-Insurance	50%	50%	50%	70%	100%	50%	50%	50%	70%	100%
Individual Out of Pocket	\$16,800	\$16,800	\$16,800	\$6,000	\$5,800	\$16,800	\$16,800	\$16,800	\$6,000	\$6,200
Family Out of Pocket	\$30,600	\$30,600	\$30,600	\$18,000	\$11,600	\$30,600	\$30,600	\$30,600	\$18,000	\$12,400
Emergency Co-pay	\$400, then 90% After Ded	\$400, then 90% After Ded	\$400, then 90% After Ded	\$150	100% After Ded	\$400, then 90% After Ded	\$400, then 90% After Ded	\$400, then 90% After Ded	\$150	100% After Ded
Hospital Inpatient Co-pay	\$600, then 50% After Ded	\$600, then 50% After Ded	\$600, then 50% After Ded	\$300, then 70% After Ded	Ded, then \$300, then 100%	\$600, then 50% After Ded	\$600, then 50% After Ded	\$600, then 50% After Ded	\$300, then 70% After Ded	100% After Ded
Physician Office Visit Services	70% After Ded	70% After Ded	70% After Ded	70% After Ded	100% After Ded	70% After Ded	70% After Ded	70% After Ded	70% After Ded	100% After Ded
Preventative Services	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Lifetime Maximum	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
<b>Medical Premium</b>	\$645.85	\$670.43	\$670.43	\$826.44	\$726.66	\$653.74	\$670.43	\$670.43	\$826.44	\$935.49
Employee	\$1,302.97	\$1,352.26	\$1,352.26	\$1,666.92	\$1,465.66	\$1,786.68	\$1,352.26	\$1,352.26	\$1,666.92	\$1,959.95
Employee + Spouse	\$1,278.06	\$1,327.75	\$1,327.75	\$1,636.71	\$1,439.09	\$1,684.42	\$1,327.75	\$1,327.75	\$1,636.71	\$1,782.27
Employee + Children	\$1,935.97	\$2,009.58	\$2,009.58	\$2,477.19	\$2,178.10	\$2,561.47	\$2,009.58	\$2,009.58	\$2,477.19	\$2,806.73
Family	\$10,314.24	\$670.43	\$670.43	\$23,923.77	\$2,918.98	\$13,579.89	\$670.43	\$670.43	\$23,923.77	\$3,830.93
<b>Monthly Premium</b>										
Total Monthly Premium		\$37,827.42	\$37,827.42	\$463,929.04	\$491,120.00	\$491,120.00	\$491,120.00	\$491,120.00	\$463,929.04	\$583,440.00
Total Annual Premium		\$453,929.04	\$453,929.04	\$5,567,148.48	\$5,893,440.00	\$5,893,440.00	\$5,893,440.00	\$5,893,440.00	\$5,567,148.48	\$7,001,280.00
Percent Change by Year										
Premium Change from Previous										



Village of Palos Park  
Health Review  
August 1, 2023

Based on 2023 Renewal

	EE	ES	EC	FAM	Total
HMO	2	0	1	4	7
BCO PPO	1	0	0	0	1
\$1000 PPO	8	2	4	3	17
\$2000 HSA	2	1	0	0	3
<b>Total</b>	<b>13</b>	<b>3</b>	<b>5</b>	<b>7</b>	<b>28</b>

Presented By: Mike Wojcik

Renegotiated 6.14

Carriers: Type of Plan	CURRENT BCBS				RENEWAL BCBS					
	HMO MIBAH2020	Blue Choice Options PPO Tier 1 MIBCO2000	Tier 2	PPO MIBPP2040	HSA (Emb) MIEEE2041	HMO MIBAH2020	Blue Choice Options PPO Tier 1 MIBCO2000	Tier 2	PPO MIBPP2040	HSA (Emb) MIEEE3043
<b>In Network Benefits</b>	Individual Deductible Family Deductible Co-Insurance Individual Medical Out of Pocket Family Medical Out of Pocket Emergency Room Co-pay Hospital Inpatient Co-pay	\$0 \$0 100% \$1,500 \$3,000 \$250 n/a	\$1,500 \$4,500 70% \$10,200 \$5,600 \$400, then 90% \$250, then 90%	\$1,000 \$3,000 90% \$2,000 \$6,000 \$150 90% After Ded	\$2,900 \$5,800 100% \$2,900 \$5,800 100% After Ded 100% After Ded	\$0 \$0 100% \$1,500 \$3,000 \$250 n/a	\$500 \$1,500 90% \$4,000 \$10,200 \$400, then 90% \$250, then 90%	\$1,500 \$4,500 70% \$10,200 \$5,600 \$400, then 90% \$250, then 90%	\$1,000 \$3,000 90% \$2,000 \$6,000 \$150 90% After Ded	\$3,100 \$6,200 100% \$3,100 \$6,200 100% After Ded 100% After Ded
Mail Order Rx Co-pay Individual Rx Out of Pocket Family Rx Out of Pocket Primary Physician Office Visit Co-pay Specialists Office Visit Co-pay	Retail Rx Co-pay 2 x Retail Included in Med Included in Med	Preferred: \$0/10/35/75/150/250 Non-preferred: \$10/20/55/95/150/250	Preferred: \$0/10/35/75/150/250 Non-preferred: \$10/20/55/95/150/250	\$0/10/50/100/150/250 2 x Retail Included in Med Included in Med	100% After Ded 100% After Ded Included in Med Included in Med 100% After Ded 100% After Ded	2 x Retail Included in Med Included in Med	2 x Retail Included in Med Included in Med	2 x Retail Included in Med Included in Med	100% After Ded 100% After Ded 100% After Ded 100% After Ded	
<b>Out of Network Benefits</b>	Individual Deductible Family Deductible Co-Insurance Individual Out of Pocket Family Out of Pocket Emergency Co-pay Hospital Inpatient Co-pay	\$645.65 \$1,302.67 \$1,275.06 \$1,935.87	\$670.43 \$1,352.26 \$1,327.75 \$2,009.58	\$2,000 \$6,000 70% \$16,800 \$30,600 \$150 300, then 70% After Ded	\$5,800 \$11,600 100% \$5,800 \$11,600 100% After Ded 100% After Ded	\$3,000 \$9,000 50% \$16,800 \$30,600 \$400, then 90% After Ded \$600, then 50% After Ded	\$3,000 \$9,000 50% \$16,800 \$30,600 \$400, then 90% After Ded \$600, then 50% After Ded	\$2,000 \$6,000 70% \$18,000 \$18,000 \$150 300, then 70% After Ded	\$6,200 \$12,400 100% \$6,200 \$12,400 100% After Ded 100% After Ded	
Physician Office Visit Services Preventative Services Lifeline Maximum	\$645.65 \$1,302.67 \$1,275.06 \$1,935.87	\$670.43 \$1,352.26 \$1,327.75 \$2,009.58	\$670.43 \$1,352.26 \$1,327.75 \$2,009.58	\$826.44 \$1,666.92 \$1,636.71 \$2,477.19	\$726.66 \$1,465.66 \$1,439.09 \$2,178.10	\$788.99 \$1,653.01 \$1,503.16 \$2,367.19	\$817.07 \$1,711.85 \$1,566.86 \$2,451.44	\$968.73 \$2,071.50 \$1,883.70 \$2,966.46	\$864.54 \$1,811.30 \$1,647.09 \$2,593.84	
<b>Monthly Premium</b>	\$10,314.24	\$670.43	\$670.43	\$23,923.77	\$2,918.98	\$12,549.90	\$817.07	\$28,487.02	\$3,540.38	
<b>Total Monthly Premium</b>		\$7,643.81	\$7,643.81	\$47,847.54	\$5,838.96	\$25,099.80	\$817.07	\$56,334.56	\$6,880.76	
<b>Total Annual Premium</b>		\$91,725.68	\$91,725.68	\$573,970.48	\$70,067.52	\$301,197.60	\$9,804.84	\$676,014.72	\$82,569.12	
<b>Percent Change by Year</b>		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
<b>Premium Change from Previous</b>		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

Based on 2023 Renewal

	EE	ES	EC	FAM	Total
HMO	2	0	1	4	7
BCO PPO	1	0	0	0	1
\$1900 PPO	8	2	4	3	17
\$2800 HSA	2	1	0	0	3
<b>Total</b>	<b>13</b>	<b>3</b>	<b>5</b>	<b>7</b>	<b>28</b>

Presented By: Mike Wojcik

Carriers:	CURRENT BCBS				RENEWAL BCBS			
	HMO MIBAH2020	Blue Choice Options PPO MIBCO2000	PPO MIBPP2040	HSA (Emb) MIEEE2041	HMO MIBAH2020	Blue Choice Options PPO MIBCO2000	PPO MIBPP2040	HSA (Emb) MIEEE3043
<b>In Network Benefits</b>								
Individual Deductible	\$0	\$500	\$1,000	\$2,900	\$0	\$500	\$1,000	\$3,100
Family Deductible	\$0	\$1,500	\$3,000	\$5,800	\$0	\$1,500	\$3,000	\$6,200
Co-Insurance	100%	90%	90%	100%	100%	90%	90%	100%
Individual Medical Out of Pocket	\$1,500	\$4,000	\$2,000	\$2,900	\$1,500	\$4,000	\$2,000	\$3,100
Family Medical Out of Pocket	\$3,000	\$10,200	\$6,000	\$5,800	\$3,000	\$10,200	\$6,000	\$6,200
Emergency Room Co-pay	\$250	\$400, then 90%	\$150	100% After Ded	\$250	\$400, then 90%	\$150	100% After Ded
Hospital Inpatient Co-pay	n/a	\$250, then 90%	\$150	100% After Ded	n/a	\$250, then 90%	\$150	100% After Ded
Retail Rx Co-pay	\$0/10/50/100/150/250	Preferred: \$0/10/35/75/150/250 Non-preferred: \$10/20/55/95/150/250	\$0/10/50/100/150/250	100% After Ded	\$0/10/50/100/150/250	Preferred: \$0/10/35/75/150/250 Non-preferred: \$10/20/55/95/150/250	\$0/10/50/100/150/250	100% After Ded
Mail Order Rx Co-pay	Included in Med	Included in Med	Included in Med	Included in Med	Included in Med	Included in Med	Included in Med	Included in Med
Individual Rx Out of Pocket	\$20	\$50	\$20	100% After Ded	\$20	\$50	\$20	100% After Ded
Family Rx Out of Pocket	\$40	\$100	\$40	100% After Ded	\$40	\$100	\$40	100% After Ded
Primary Physician Office Visit Co-pay	N/A	\$20	\$0	Subject to Ded and Coinsurance	N/A	\$20	\$0	Subject to Ded and Coinsurance
Specialists Office Visit Co-pay	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Telemedicine	100%	100%	100%	100%	100%	100%	100%	100%
Preventative Services	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Lifetime Maximum								
<b>Out of Network Benefits</b>								
Individual Deductible	\$3,000	\$3,000	\$2,000	\$5,800	\$3,000	\$3,000	\$2,000	\$6,200
Family Deductible	\$9,000	\$9,000	\$6,000	\$11,600	\$9,000	\$9,000	\$6,000	\$12,400
Co-Insurance	50%	50%	70%	100%	50%	50%	70%	100%
Individual Out of Pocket	\$16,800	\$16,800	\$6,000	\$5,800	\$16,800	\$16,800	\$6,000	\$6,200
Family Out of Pocket	\$30,600	\$30,600	\$18,000	\$11,600	\$30,600	\$30,600	\$18,000	\$12,400
Emergency Co-pay	\$400, then 90% After Ded	\$400, then 90% After Ded	\$150	100% After Ded	\$400, then 90% After Ded	\$400, then 90% After Ded	\$150	100% After Ded
Hospital Inpatient Co-pay	\$600, then 50% After Ded	\$600, then 50% After Ded	\$300, then 70% After Ded	100%	\$600, then 50% After Ded	\$600, then 50% After Ded	\$300, then 70% After Ded	100%
Physician Office Visit Services	70% After Ded	70% After Ded	70% After Ded	100% After Ded	70% After Ded	70% After Ded	70% After Ded	100% After Ded
Preventative Services	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Lifetime Maximum								
<b>Medical Premium</b>								
Employee	\$645.95	\$670.43	\$626.44	\$726.66	\$765.04	\$812.99	\$983.79	\$860.21
Employee + Spouse	\$1,302.67	\$1,352.26	\$1,666.92	\$1,465.66	\$1,616.75	\$1,703.29	\$2,061.14	\$1,862.24
Employee + Children	\$1,275.06	\$1,327.75	\$1,635.71	\$1,453.69	\$1,606.58	\$1,703.29	\$2,061.14	\$1,833.66
Family	\$1,935.67	\$2,008.56	\$2,477.19	\$2,178.10	\$2,395.36	\$2,493.16	\$2,951.63	\$2,580.87
<b>Monthly Premium</b>	<b>\$10,314.24</b>	<b>\$670.43</b>	<b>\$23,923.77</b>	<b>\$2,918.98</b>	<b>\$12,487.17</b>	<b>\$812.99</b>	<b>\$28,344.61</b>	<b>\$3,522.66</b>
<b>Total Monthly Premium</b>		<b>\$37,827.42</b>						
<b>Total Annual Premium</b>		<b>\$453,929.04</b>						
<b>Percent Change by Year</b>								
<b>Premium Change from Previous</b>								

0.5% Discount for BCBS Life - Final Rates from BCBS

Village of Palos Park  
Health Review  
August 1, 2023

Based on 2023 Renewal

	EE	ES	EC	FAIM	Total
HMO	2	0	1	4	7
BCO PPO	1	0	0	0	1
\$1000 PPO	8	2	4	3	17
\$2900 HSA	2	1	0	0	3
<b>Total</b>	<b>13</b>	<b>3</b>	<b>5</b>	<b>7</b>	<b>28</b>

Presented By: Mike Wojcik

0.5% Discount for BCBS Life - Final rates from BCBS

Type of Plan	CURRENT BCBS				RENEWAL BCBS			
	HMO MIBAH2020	PPO MIBPP2040	HSA (Emb) MIEEE2041	MIBAH2020	Blue Choice Options PPO MIBCO2000	Blue Choice Options PPO MIBCO2030	Blue Choice Options HSA (Emb) MICOE2063	
<b>In Network Benefits</b>								
Individual Deductible	\$0	\$1,000	\$2,900	\$0	\$1,500	\$1,000	\$3,100	\$4,600
Family Deductible	\$0	\$3,000	\$5,800	100%	\$4,500	\$3,000	\$9,200	\$13,800
Co-Insurance	100%	90%	100%	100%	70%	90%	100%	80%
Individual Medical Out of Pocket	\$1,500	\$2,000	\$2,900	\$1,500	\$5,600	\$5,600	\$3,100	\$6,550
Family Medical Out of Pocket	\$3,000	\$6,000	\$5,800	\$3,000	\$10,200	\$10,200	\$9,200	\$14,000
Emergency Room Co-pay	\$250	\$150	100% After Ded	\$250	\$400, then 90%	\$400, then 90%	\$3,200	\$4,000
Hospital Inpatient Co-pay	n/a	\$150	100% After Ded	n/a	\$500, then 90%	\$500, then 90%	\$3,200	\$4,000
Retail Rx Co-pay	\$0/10/50/100/150/250	\$0/10/50/100/150/250	100% After Ded	\$0/10/50/100/150/250	Preferred: \$0/10/35/75/150/250 Non-preferred: \$10/20/55/95/150/250	Preferred: \$0/10/35/75/150/250 Non-preferred: \$10/20/55/95/150/250	100% After Ded	100% After Ded
Mail Order Rx Co-pay	2 x Retail	2 x Retail	100% After Ded	2 x Retail	Included in Med	Included in Med	100% After Ded	100% After Ded
Individual Rx Out of Pocket	Included in Med	Included in Med	Included in Med	Included in Med	Included in Med	Included in Med	Included in Med	Included in Med
Family Rx Out of Pocket	\$20	\$20	100% After Ded	\$20	\$50	\$25	100% After Ded	80% After Ded
Primary Physician Office Visit Co-pay	\$40	\$40	100% After Ded	\$40	\$100	\$50	100% After Ded	80% After Ded
Specialists Office Visit Co-pay	\$40	\$40	Subject to Ded and Coinsurance	N/A	\$200	\$25	Subject to Ded and Coinsurance	100% After Ded
Telemedicine	N/A	\$0	100%	N/A	\$20	\$25	100%	Unlimited
Preventative Services	100%	100%	Unlimited	100%	Unlimited	Unlimited	100%	Unlimited
Lifetime Maximum	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
<b>Out of Network Benefits</b>								
Individual Deductible	\$645.85	\$2,000	\$5,800	\$785.04	\$3,000	\$3,000	\$9,200	\$13,800
Family Deductible	\$1,302.67	\$6,000	\$11,600	\$1,644.75	\$9,000	\$9,000	\$27,600	\$42,000
Co-Insurance	\$1,327.75	70%	100%	50%	50%	50%	60%	60%
Individual Out of Pocket	\$1,327.75	\$5,000	\$5,800	\$1,644.75	\$16,800	\$16,800	\$16,950	\$19,950
Family Out of Pocket	\$2,655.50	\$16,000	\$11,600	\$3,289.50	\$30,600	\$30,600	\$42,000	\$64,000
Emergency Co-pay	\$2,009.58	\$150	100% After Ded	\$400, then 90% After Ded	\$400, then 90% After Ded	\$400, then 90% After Ded	100% After Ded	100% After Ded
Hospital Inpatient Co-pay	\$670.43	\$300, then 70% After Ded	100% After Ded	\$600, then 50% After Ded	\$600, then 50% After Ded	\$600, then 50% After Ded	60% After Ded	60% After Ded
Physician Office Visit Services	\$670.43	70% After Ded	100% After Ded	70% After Ded	70% After Ded	70% After Ded	60% After Ded	60% After Ded
Preventative Services	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Lifetime Maximum	\$10,314.24	\$23,923.77	\$2,918.98	\$12,487.17	\$812.99	\$23,488.04	\$2,784.38	\$2,784.38
<b>Medical Premium</b>								
Employee	\$670.43	\$26.44	\$726.65	\$785.04	\$812.99	\$814.53	\$679.93	\$679.93
Employee + Spouse	\$1,302.67	\$1,666.62	\$1,465.66	\$1,644.75	\$1,703.29	\$1,706.53	\$1,424.52	\$1,424.52
Employee + Children	\$1,327.75	\$1,636.71	\$1,439.09	\$1,644.75	\$1,548.88	\$1,551.82	\$1,295.38	\$1,295.38
Family	\$2,009.58	\$2,477.19	\$2,178.10	\$2,355.36	\$2,439.18	\$2,443.82	\$2,033.96	\$2,033.96
<b>Monthly Premium</b>	\$670.43	\$23,923.77	\$2,918.98	\$12,487.17	\$812.99	\$23,488.04	\$2,784.38	\$2,784.38
<b>Total Monthly Premium</b>	\$37,827.42	\$463,928.04	\$46,392.80	\$463,928.04	\$39,552.58	\$474,630.86	\$46,392.80	\$46,392.80
<b>Total Annual Premium</b>	\$453,928.04	\$463,928.04	\$46,392.80	\$463,928.04	\$39,552.58	\$474,630.86	\$46,392.80	\$46,392.80
<b>Percent Change by Year</b>								
<b>Premium Change from Previous</b>								

Based on 2023 Renewal

	EE	ES	EC	FAM	Total
HMO	2	0	1	4	7
BCO PPO	1	0	0	0	1
\$1000 PPO	8	2	4	3	17
\$2900 HSA	2	1	0	0	3
<b>Total</b>	<b>13</b>	<b>3</b>	<b>5</b>	<b>7</b>	<b>28</b>

Presented By: Mike Wojcik

Carriers: Type of Plan	CURRENT BCBS				RENEWAL BCBS					
	HMO MIBAH2020	Blue Choice Options PPO Tier 1	Blue Choice Options PPO Tier 2	PPO MIBPP2040	HSA (Emb) MIEEE2041	HMO MIBAH2000	Blue Choice Options PPO Tier 1	Blue Choice Options PPO Tier 2	PPO MIBPP2040	HSA (Emb) MIEEE3043
<b>In Network Benefits</b>										
Individual Deductible	\$0	\$500	\$1,500	\$1,000	\$2,900	\$0	\$500	\$1,500	\$1,000	\$3,100
Family Deductible	\$0	\$1,500	\$4,500	\$3,000	\$5,800	\$0	\$1,500	\$4,500	\$3,000	\$6,200
Co-Insurance	100%	90%	70%	90%	100%	100%	90%	70%	90%	100%
Individual Medical Out of Pocket	\$1,500	\$4,000	\$5,600	\$2,000	\$2,900	\$1,500	\$4,000	\$5,600	\$2,000	\$3,100
Family Medical Out of Pocket	\$3,000	\$10,200	\$10,200	\$6,000	\$5,800	\$3,000	\$10,200	\$10,200	\$6,000	\$6,200
Emergency Room Co-pay	\$250	\$400, then 90%	\$400, then 90%	\$150	\$5,800	\$350	\$250, then 90%	\$400, then 90%	\$150	100% Alter Ded
Hospital Inpatient Co-pay	n/a	\$250, then 90%	\$500, then 70%	90% Alter Ded	100% Alter Ded	\$250/day x 5 Days	\$250, then 90%	\$500, then 70%	90% Alter Ded	100% Alter Ded
Retail Rx Co-pay	\$0/10/50/100/150/250	Preferred: \$0/10/35/75/150/250	Non-preferred: \$10/20/55/95/150/250	\$0/10/50/100/150/250	100% Alter Ded	\$0/10/35/75/150/250	Preferred: \$0/10/35/75/150/250	Non-preferred: \$10/20/55/95/150/250	\$0/10/50/100/150/250	100% Alter Ded
Mail Order Rx Co-pay	Included in Med	Included in Med	Included in Med	Included in Med	Included in Med	Included in Med	Included in Med	Included in Med	Included in Med	100% Alter Ded
Individual Rx Out of Pocket	\$20	\$20	\$50	\$20	\$20	\$40	\$20	\$50	\$20	100% Alter Ded
Family Rx Out of Pocket	\$40	\$40	\$100	\$40	\$40	\$80	\$40	\$100	\$40	100% Alter Ded
Primary Physician Office Visit Co-pay	N/A	\$20	\$100	\$40	Subject to Ded and Coinsurance	N/A	\$20	\$100	\$0	Subject to Ded and Coinsurance
Specialists Office Visit Co-pay	Unlimited	100%	Unlimited	100%	Unlimited	Unlimited	100%	Unlimited	100%	Unlimited
Telemedicine										
Preventative Services										
Lifetime Maximum										
<b>Out of Network Benefits</b>										
Individual Deductible	\$645.85	\$3,000	\$9,000	\$2,000	\$5,800	\$779.54	\$3,000	\$9,000	\$2,000	\$6,200
Family Deductible	\$1,302.67	\$9,000	\$27,000	\$6,000	\$11,600	\$1,633.23	\$9,000	\$27,000	\$6,000	\$12,400
Co-Insurance	Employee + Spouse	50%	50%	70%	100%	Employee + Spouse	50%	50%	70%	100%
Individual Out of Pocket	Employee + Children	\$16,800	\$16,800	\$6,000	\$5,800	\$1,465.16	\$16,800	\$16,800	\$6,000	\$6,200
Family Out of Pocket	Family	\$30,600	\$30,600	\$18,000	\$11,600	\$1,465.16	\$30,600	\$30,600	\$18,000	\$12,400
Emergency Co-pay		\$400, then 90% Alter Ded	100% Alter Ded	\$150	100% Alter Ded		\$400, then 90% Alter Ded	100% Alter Ded	\$150	100% Alter Ded
Hospital Inpatient Co-pay		\$500, then 50% Alter Ded	70% Alter Ded	\$300, then 70% Alter Ded	100%		\$600, then 50% Alter Ded	70% Alter Ded	\$300, then 70% Alter Ded	100%
Physician Office Visit Services		70% Alter Ded	70% Alter Ded	70% Alter Ded	100% Alter Ded		70% Alter Ded	70% Alter Ded	70% Alter Ded	100% Alter Ded
Preventative Services		Unlimited	Unlimited	Unlimited	Unlimited		Unlimited	Unlimited	Unlimited	Unlimited
Lifetime Maximum										
<b>Medical Premium</b>										
Employee	\$645.85	\$670.43	\$670.43	\$626.44	\$726.66	\$779.54	\$670.43	\$670.43	\$663.79	\$660.21
Employee + Spouse	\$1,302.67	\$1,352.26	\$1,352.26	\$1,666.92	\$1,465.66	\$1,633.23	\$1,352.26	\$1,352.26	\$2,061.14	\$1,802.24
Employee + Children	\$1,275.06	\$1,327.75	\$1,327.75	\$1,636.71	\$1,439.09	\$1,465.16	\$1,327.75	\$1,327.75	\$1,874.28	\$1,636.86
Family	\$1,935.87	\$2,009.58	\$2,009.58	\$2,477.19	\$2,178.10	\$2,338.85	\$2,009.58	\$2,009.58	\$2,951.63	\$2,590.87
<b>Monthly Premium</b>	\$10,314.24	\$670.43	\$670.43	\$23,923.77	\$2,918.98	\$12,393.64	\$670.43	\$670.43	\$28,344.61	\$3,522.66
<b>Total Monthly Premium</b>		\$37,827.42	\$37,827.42			\$45,079.90				
<b>Total Annual Premium</b>		\$453,929.04	\$453,929.04			\$540,958.80				
<b>Percent Change by Year</b>						19%				
<b>Premium Change from Previous</b>						\$87,023.76				

Alternate Plan

Based on 2023 Renewal

	EE	ES	EC	FAM	Total
HMO	2	0	1	4	7
\$1000 PPO	9	2	4	3	18
\$2900 HSA	2	1	0	0	3
<b>Total</b>	<b>13</b>	<b>3</b>	<b>5</b>	<b>7</b>	<b>28</b>

0.5% Discount for BCBS Life - Final Rates from BCBS  
HRA Added - Reimbursement after \$2000/\$6000 OPX

Carriers: Type of Plan	CURRENT BCBS				RENEWAL BCBS			
	HMO MIBAH2020	Blue Choice Options PPO MIBCO2000	PPO MIBPP2040	HSA (Emb) MIEEZ041	HMO MIBAH2020	HRA MIEEE083	HSA (Emb) MIEEE043	Total
<b>In-Network Benefits</b>								
Individual Deductible	\$0	Tier 1	\$1,000	\$2,900	\$0	\$6,000	\$3,100	
Family Deductible	\$1,500	Tier 2	\$3,000	\$5,800	\$0	\$12,000	\$6,200	
Co-Insurance	100%		90%	100%	100%	100%	100%	
Individual Medical Out of Pocket	\$4,000		\$5,600	\$2,900	\$1,500	\$6,000	\$3,100	
Family Medical Out of Pocket	\$1,500		\$10,200	\$5,800	\$3,000	\$12,000	\$6,200	
Emergency Room Co-pay	\$1,000		\$400, then 90%	\$500, then 90%	\$250	\$1,000	\$500	
Hospital Inpatient Co-pay	\$250		\$250, then 90%	\$500, then 70%	\$150	\$1,000	\$250	
Retail Rx Co-pay	n/a		Preferred: \$0/10/05/75/150/250	100% After Ded	n/a	100% After Ded	100% After Ded	
Mail Order Rx Co-pay	\$0/10/50/100/150/250		Non-preferred: \$10/20/35/55/95/150/250	100% After Ded	\$0/10/50/100/150/250	100% After Ded	100% After Ded	
Individual Rx Out of Pocket	Included in Med		Included in Med	Included in Med	Included in Med	Included in Med	Included in Med	
Family Rx Out of Pocket	Included in Med		Included in Med	Included in Med	Included in Med	Included in Med	Included in Med	
Primary Physician Office Visit Co-pay	\$20		\$50	100% After Ded	\$20	100% After Ded	100% After Ded	
Specialists Office Visit Co-pay	\$40		\$100	100% After Ded and Consurance	\$40	100% After Ded	100% After Ded	
Telemedicine	N/A		\$20	100% Consurance	N/A	100% Consurance	Subject to Ded and Consurance	
Preventative Services	100%		100%	100%	100%	100%	100%	
Lifetime Maximum	Unlimited		Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	
<b>Out of Network Benefits</b>								
Individual Deductible	\$3,000		\$2,000	\$5,800	\$2,000	\$12,000	\$6,200	
Family Deductible	\$9,000		\$6,000	\$11,600	\$24,000	\$24,000	\$12,400	
Co-Insurance	50%		70%	100%	100%	100%	100%	
Individual Out of Pocket	\$16,800		\$6,000	\$5,800	\$12,000	\$6,200	\$6,200	
Family Out of Pocket	\$30,600		\$18,000	\$11,600	\$24,000	\$12,400	\$12,400	
Emergency Co-pay	\$400, then 90% After Ded		\$150	100% After Ded	100% After Ded	100% After Ded	100% After Ded	
Hospital Inpatient Co-pay	\$600, then 50% After Ded		\$300, then 70% After Ded	100%	\$300, then 70% After Ded	100% After Ded	100% After Ded	
Physician Office Visit Services	70% After Ded		70% After Ded	100% After Ded	100% After Ded	100% After Ded	100% After Ded	
Preventative Services	Unlimited		Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	
Lifetime Maximum	Unlimited		Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	
<b>Medical Premium</b>								
Employee	\$645.85		\$826.44	\$726.66	\$785.04	\$700.64	\$860.21	
Employee + Spouse	\$1,302.67		\$1,666.92	\$1,465.66	\$1,644.75	\$1,467.91	\$1,802.24	
Employee + Children	\$1,279.06		\$1,636.71	\$1,439.09	\$1,334.84	\$1,334.84	\$1,638.86	
Family	\$1,935.87		\$2,477.19	\$2,178.10	\$2,355.36	\$2,102.11	\$2,580.87	
<b>Monthly Premium</b>	\$10,314.24		\$23,923.77	\$2,918.98	\$12,487.17	\$20,887.27	\$3,522.66	
<b>Total Monthly Premium</b>		\$37,827.42						
<b>Total Annual Premium</b>		\$453,929.04						
<b>Percent Change</b>								
<b>Premium Change</b>								
<b>HRA Administrator Fee</b>								
<b>Assumed HRA Utilization - 30%</b>								
<b>Total Annual Premium with HRA</b>								
<b>Percent Change</b>								
<b>Maximum HRA Utilization</b>								
<b>Total Annual Premium with HRA</b>								
<b>Percent Change</b>								

Presented By: Mike Wojcik

Based on 2023 Renewal

	EE	ES	EC	FAM	Total
HMO	2	0	1	4	7
\$600 PPO	1	0	0	0	1
\$1000 PPO	8	2	4	3	17
\$2800 HSA	2	1	0	0	3
<b>Total</b>	<b>13</b>	<b>3</b>	<b>5</b>	<b>7</b>	<b>28</b>

Presented By: Mike Wojcik

Carriers: Type of Plan	CURRENT CBBS				OPTION UHC			
	HMO MIBAH2020	Blue Choice Options PPO MIBCO2000	PPO MIBPP2040	HSA (Emb) MIEEE2041	HMO BF-C4 Navigate	PPO BD-S5 Core	PPO BD-S6 Core	HSA (Emb) DE-KQ Core
<b>In-Network Benefits</b>								
Individual Deductible	\$0	Tier 1 \$500	\$1,000	\$2,900	\$0	\$500	\$1,000	\$3,000
Family Deductible	\$0	\$1,500	\$4,500	\$5,800	\$0	\$1,000	\$2,000	\$6,000
Co-Insurance	100%	90%	70%	100%	100%	80%	80%	100%
Individual Medical Out of Pocket	\$1,500	\$4,000	\$5,600	\$2,900	\$1,500	\$3,500	\$4,000	\$4,000
Family Medical Out of Pocket	\$3,000	\$10,200	\$10,200	\$5,800	\$3,000	\$7,000	\$8,000	\$8,000
Emergency Room Co-pay	\$250	\$400, then 90%	\$400, then 90%	\$5,800	\$300	\$250, then 80%	\$250, then 80%	\$300, then 80%
Hospital Inpatient Co-pay	n/a	\$500, then 70%	\$500, then 70%	100% After Died	n/a	80% After Died	80% After Died	100% After Died
Retail Rx Co-pay	\$0/10/50/100/150/250	Preferred: \$0/10/35/75/150/250 Non-preferred: \$10/20/55/95/150/250	\$0/10/50/100/150/250	100% After Died	\$10/35/60	\$10/35/60	\$10/35/60	Ded, then \$10/35/60
Mail Order Rx Co-pay	2 x Retail	2 x Retail	2 x Retail	100% After Died	2.5 x Retail	2.5 x Retail	2.5 x Retail	Ded, then 2.5x Retail
Individual Rx Out of Pocket	Included in Med	Included in Med	Included in Med	Included in Med	Included in Med	Included in Med	Included in Med	Included in Med
Family Rx Out of Pocket	\$20	\$20	\$20	100% After Died	\$20	\$20	\$20	100% After Died
Primary Physician Office Visit Co-pay	\$40	\$40	\$40	100% After Died	\$40	\$40	\$40	100% After Died
Specialists Office Visit Co-pay	N/A	\$20	\$100	Concourse	\$0	\$0	\$0	Subject to Ded and Concourse
Telemedicine	100%	100%	100%	100%	100%	100%	100%	100%
Preventative Services	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Lifetime Maximum								
<b>Out of Network Benefits</b>								
Individual Deductible	\$645.85	\$3,000	\$3,000	\$5,800	\$5,000	\$5,000	\$5,000	\$5,000
Family Deductible	\$1,002.67	\$8,000	\$8,000	\$11,600	\$10,000	\$10,000	\$10,000	\$10,000
Co-Insurance	80%	80%	80%	100%	80%	80%	80%	80%
Individual Out of Pocket	\$16,800	\$16,800	\$16,800	\$5,800	\$10,000	\$10,000	\$10,000	\$10,000
Family Out of Pocket	\$30,600	\$30,600	\$30,600	\$11,600	\$20,000	\$20,000	\$20,000	\$20,000
Emergency Co-pay	\$150	\$400, then 90% After Died	\$400, then 90% After Died	100% After Died	\$250, then 80%	\$250, then 80%	\$250, then 80%	100% After Died
Hospital Inpatient Co-pay	\$600, then 50% After Died	\$600, then 50% After Died	\$600, then 50% After Died	100%	80% After Died	80% After Died	80% After Died	80% After Died
Physician Office Visit Services	70% After Died	70% After Died	70% After Died	100% After Died	60% After Died	60% After Died	60% After Died	80% After Died
Preventative Services	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Lifetime Maximum								
<b>Medical Premium</b>								
Employee	\$645.85	\$670.43	\$626.44	\$726.66	\$1,208.03	\$1,257.49	\$1,230.28	\$1,033.68
Employee + Spouse	\$1,002.67	\$1,652.26	\$1,465.92	\$1,465.66	\$2,640.73	\$2,640.73	\$2,583.59	\$2,170.73
Employee + Children	\$1,275.06	\$1,327.75	\$1,636.71	\$1,439.09	\$2,077.81	\$2,162.88	\$2,116.08	\$1,777.93
Family	\$1,935.87	\$2,009.58	\$2,477.19	\$2,178.10	\$3,797.62	\$3,715.45	\$3,715.45	\$3,121.71
<b>Monthly Premium</b>	<b>\$10,314.24</b>	<b>\$670.43</b>	<b>\$23,923.77</b>	<b>\$2,918.98</b>	<b>\$19,086.87</b>	<b>\$1,257.49</b>	<b>\$34,620.09</b>	<b>\$4,238.09</b>
<b>Total Monthly Premium</b>		<b>\$37,827.42</b>				<b>\$59,202.54</b>		
<b>Total Annual Premium</b>		<b>\$453,929.04</b>				<b>\$710,430.48</b>		
<b>Percent Change by Year</b>						<b>56.51%</b>		
<b>Premium Change from Previous</b>						<b>\$256,501.44</b>		

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**Coverage Terms & Conditions**

All coverage terms and conditions in the preceding pages are intended as a reference only. Actual policies will contain full coverage exclusions or limitations, terms and conditions, and other wordings that are not summarized herein.

# HORTON

The Horton Group's  
**Marketing Proposal**  
**Additional Lines Coverage**

Prepared Village of Palos Park  
August 2023

Presented By:  
Mike Wojcik  
wojcik@thehortongroup.com  
Phone 708-845-3126 / Cell: 708-650-1557

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# Carrier Response

Carrier	Dental PPO		Vision		Basic Life & AD&D		Voluntary Life & AD&D	
	Incumbent	Not marketed	Incumbent	Not marketed	Incumbent	Not marketed	Incumbent	Not marketed
MetLife	Incumbent				<i>*Pending proposal</i>			
Vision Service Plan	Not marketed		Incumbent			Not marketed		
BCBS of IL	X		Not marketed		Incumbent		Incumbent	
SunLife	Declined		X			Declined		
Guardian	X		X			Declined		
Delta	X		X		Not Offered		Not Offered	
EyeMed	Not Offered		X		Not Offered		Not Offered	
Principal					Declined			
United Healthcare	X		X		X		X	
The Standard					Declined			
Reliance Standard	X		X			Declined		Declined

# Financial Summary

	MetLife - Current	MetLife - Renewal	MetLife	Guardian	United Healthcare	Reliance Standard
<b>Dental PPO</b>						
Annual Premium	\$28,693	\$29,842	\$29,842	\$36,750	\$36,243	\$28,744
Variance to current/renewal		4%	4% / 0%	28% / 24%	26% / 22%	0% / -4%

	Vision Service Plan - Current	Vision Service Plan - Renewal	MetLife	Guardian	United Healthcare	Reliance Standard
<b>Vision</b>						
Annual Premium	\$3,547	\$3,618	Not Quoted	\$4,297	\$4,113	\$3,895
Variance to current/renewal		2%		21% / 19%	16% / 14%	10% / 8%

	BCBS of IL - Current	BCBS of IL - Renewal	MetLife	Guardian	United Healthcare	Reliance Standard
<b>Basic Life/AD&amp;D</b>						
Annual Premium	\$4,512	\$4,800	\$5,222	DTQ	\$9,408	DTQ
Variance to current/renewal		6%	16% / 9%		109% / 102%	

	BCBS of IL - Current	BCBS of IL - Renewal	MetLife	Guardian	United Healthcare	Reliance Standard
<b>Voluntary Life/AD&amp;D</b>						
Annual Premium	\$3,912	\$3,912	\$3,364	DTQ	\$2,981	DTQ
Variance to current/renewal		0%	-14% / -14%		-24% / -24%	

	Current	Renewal	MetLife	Guardian	United Healthcare	Reliance Standard
<b>Total</b>						
Total Annual Premium	\$40,664	\$42,173	\$42,047	\$49,759	\$52,746	\$41,351
Variance to current/renewal		4%	3% / 0%	22% / 19%	30% / 26%	2% / -2%

\* If a carrier cannot offer or declined to quote a line of coverage, the applicable current or renewal premium is assumed.

# Dental PPO

Carrier Name	MetLife - Current		BCBS of IL		Guardian		Delta		United Healthcare		Reliance Standard	
	In Network	Out of Network	In Network	Out of Network	In Network	Out of Network	In Network	Out of Network	In Network	Out of Network	In Network	Out of Network
Individual Deductible	\$50	\$50	\$50	\$50	\$50	\$50	\$50	\$50	\$50	\$50	\$50	\$50
Family Deductible	\$150	\$150	\$150	\$150	\$150	\$150	\$150	\$150	\$150	\$150	\$150	\$150
Waived for Preventive	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Deductible - Calendar Year or Lifetime	Calendar Year		Calendar Year		Calendar Year		Calendar Year		Calendar Year		Calendar Year	
Annual Maximum	\$1,500		\$1,500		\$1,500		\$1,500		\$1,500		\$1,500	
Preventive - Type 1	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Basic - Type 2	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%
Major - Type 3	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
Ortho - Type 4	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
Ortho Age Limit	Child(ren) Only - Age 19		Adult & Child(ren)		Child(ren) Only - Age 19		Child(ren) Only - Age 19		Child(ren) Only - Age 19		Child(ren) Only - Age 19	
Ortho Maximum	\$1,500		\$1,500		\$1,500		\$1,500		\$1,500		\$1,500	
Endodontics	Basic		Basic		Basic		Basic		Basic		Basic	
Periodontics - Non-Surgical	Basic		Basic		Basic		Basic		Basic		Basic	
Periodontics - Surgical	Basic		Basic		Basic		Basic		Basic		Basic	
Oral Surgery	Basic		Basic		Basic		Basic		Basic		Basic	
Implants	Major		Major		Major		Major		Major		Major	
Out-of-Network Reimbursement	90th UCR		90th UCR		90th UCR		MPA		90th UCR		90th UCR	
Maximum Rollover	Not Offered		Not Disclosed		Included		Not Included		Not Included		Included	
Waiting Periods	None		None		None		None		None		None	
Employer Contribution	Contributory		Contributory		Contributory		Contributory		Contributory		Voluntary	
Participation Requirement	Assumes current		>70% participation		76% enrolled		50% participation		2 enrolled		The greater of 60% or 10 lives	
Rate Guarantee/Rate Caps	1 year	2 Years	1 year	2 Years	2 years	2 years	2 years	2 years	1 year	1 year	1 year	1 year
Rate Summary												
Employee Only	Current	Renewal	Current	Renewal	Current	Renewal	Current	Renewal	Current	Renewal	Current	Renewal
Employee & Spouse	\$40.64	\$44.30	\$40.64	\$44.30	\$49.23	\$42.27	\$49.23	\$42.27	\$45.07	\$48.99	\$45.07	\$48.99
Employee & Child	\$82.90	\$90.36	\$82.90	\$90.36	\$98.44	\$86.22	\$98.44	\$86.22	\$92.85	\$97.98	\$92.85	\$97.98
Full Family	\$95.49	\$104.08	\$95.49	\$104.08	\$120.29	\$99.31	\$120.29	\$99.31	\$122.61	\$127.75	\$122.61	\$127.75
Monthly Premium	\$147.92	\$161.23	\$147.92	\$161.23	\$185.81	\$153.84	\$185.81	\$153.84	\$170.85	\$187.24	\$170.85	\$187.24
Annual Premium	\$2,391	\$2,606	\$2,391	\$2,606	\$2,979	\$2,487	\$2,979	\$2,487	\$2,788	\$3,020	\$2,788	\$3,020
	\$28,693	\$31,275	\$28,693	\$31,275	\$35,751	\$29,842	\$35,751	\$29,842	\$33,451	\$36,243	\$33,451	\$36,243
Variance to current		9%		4%	25%	28%	25%	28%	17%	26%	17%	26%
Variance to renewal					21%	24%	21%	24%	13%	22%	13%	22%

# Vision

Carrier Name	Vision Service Plan - Current In-Network Copays & Allowances	Vision Service Plan - Alternative Option In-Network Copays & Allowances	EyeMed In-Network Copays & Allowances
Network	VSP Choice	VSP Choice	EyeMed
Exam Copay	\$10	\$10	Plus Providers: \$0 Non- Plus Providers: \$10
Materials Copay	\$25	\$25	\$25
Frequency - Exam / Lenses / Frames	12/12/24	12/12/24	12/12/24
Single Lenses	Covered in full after copay	Covered in full after copay	Covered in full after copay
Bifocal Lenses			
Trifocal Lenses			
Frames - After Copay	\$130 + 20% off remaining amount	\$150 + 20% off remaining amount	Plus Providers: \$180 + 20% off balance Non Plus Provider: \$130+ 20% off balance
Contacts (Elective)	\$130	\$130	\$130
Employer Contribution	Voluntary	Voluntary	Voluntary
Participation Requirement	Assumes current	Assumes current	10 enrolled lives
Rate Guarantee	2 years	2 years	4 years
<b>Rate Summary</b>			
<i>Enrollment illustrated from Census provided</i>			
	Current	Renewal	
Employee Only	\$7.07	\$7.21	\$7.37
Employee & Spouse	\$11.32	\$11.54	\$11.80
Employee & Child	\$11.55	\$11.78	\$12.04
Full Family	\$18.62	\$19.00	\$19.41
Monthly Premium	\$296	\$302	\$308
Annual Premium	\$3,547	\$3,618	\$3,697
Variance to current		2%	4%
Variance to renewal		11%	2%

# Basic Life & AD&D

Carrier Name	BCBS of IL - Current	MetLife	United Healthcare
Eligibility / Class Description	All Active Full-Time Employees	All Active Full-Time Employees	All Active Full-Time Employees
Benefit Amount	\$50,000	\$50,000	\$50,000
Guarantee Issue	\$50,000	\$50,000	\$50,000
Age Reduction Schedule	35% at age 65 50% at age 70	35% at age 65 50% at age 70	35% at age 65 50% at age 70
Portability (with or w/o EOI)	Not Included	Not Included	Not Included
Travel Aid	Included	<b>Not Included</b>	Included
Employer Contribution	100% Employer-Paid	100% Employer Paid	100% Employer Paid
Rate Guarantee	1 year	2 years	2 years
<b>Rate Summary</b>			
<i>Volume illustrated from census provided</i>			
	Current	Renewal	*Plan 3
Insured Volume	\$1,600,000	\$1,600,000	\$1,600,000
Life Rate per \$1,000	\$0.210	\$0.225	\$0.470
AD&D Rate per \$1,000	\$0.025	\$0.025	\$0.020
Monthly Premium	\$376	\$400	\$784
Annual Premium	\$4,512	\$4,800	\$9,408
<b>Variance to current</b>		<b>6%</b>	<b>109%</b>
<b>Variance to renewal</b>		<b>9%</b>	<b>102%</b>

# Voluntary Life & AD&D

Carrier Name		BCBS of IL - Current	MetLife	United Healthcare
Eligibility / Class Description		All Active Full-Time Employees	All Active Full-Time Employees	All Active Full-Time Employees
Benefit Description - EE		\$10,000 increments	\$10,000 increments	\$10,000 increments
Benefit Maximum - EE		\$500,000	Lesser of 5x annual salary or \$500,000	\$200,000
Guarantee Issue - EE		\$100,000	\$100,000	\$50,000
Benefit Description - SP		\$5,000 increments	\$5,000 increments	\$10,000 increments
Benefit Maximum - SP		\$150,000	\$100,000	Choice of \$10,000 or \$20,000
Amount Not To Exceed		50% of EE Amount	50% of EE Amount	N/A
Guarantee Issue - SP		\$25,000	\$25,000	All options
Benefit Description & Ages - CH		Live birth to 15 days: \$0 15 days to 6 months: \$100 6 months to 26 years (if FT student): \$10,000	15 days to 6 months: \$100 6 months to 26 year (26 if a full time student): Options of \$1,000, \$2,000, \$4,000, \$5,000, or \$10,000	Choice of \$5,000 or \$10,000 Child covered till 26
Student Status Requirement		Included	Included	Not included
Benefit Maximum - CH		\$10,000	\$10,000	\$10,000
Amount Not To Exceed		Not Disclosed	Not Disclosed	N/A
AD&D Included		Included	Included	Included
AD&D Tied to Vol Life Election		Yes	Yes	Yes
Age Reductions		35% at age 65 50% at age 70	None	35% at age 65 50% at age 70
Portability		Included	Included	Included
Participation Requirement		Assumes Current	25% of eligible and 10 enrolled	25% participation
Rate Guarantee		1 year	2 years	2 years
<b>Rate Summary</b>				
<i>Volume illustrated from census provided</i>				
		Current/Renewal		
Age	EE Volume	Employee	Spouse	Employee
<20	\$0	\$0.088	\$0.088	\$0.070
20-24	\$0	\$0.088	\$0.088	\$0.070
25-29	\$0	\$0.088	\$0.088	\$0.080
30-34	\$110,000	\$0.109	\$0.109	\$0.090
35-39	\$0	\$0.142	\$0.142	\$0.110
40-44	\$210,000	\$0.207	\$0.207	\$0.170
45-49	\$200,000	\$0.338	\$0.338	\$0.270
50-54	\$100,000	\$0.538	\$0.538	\$0.430
55-59	\$10,000	\$0.935	\$0.935	\$0.660
60-64	\$40,000	\$1.442	\$1.442	\$0.910
65-69	\$0	\$2.654	\$2.654	\$1.460
70-74	\$0	\$5.485	\$5.485	\$2.460
75+	\$0	\$5.485	\$5.485	\$7.270
Child	\$50,000	N/A	\$0.240	\$0.100
EE AD&D	\$670,000	\$0.025	\$0.021	\$0.020
SP AD&D	\$175,000	\$0.025	\$0.021	\$0.020
CH AD&D	\$50,000	\$0.025	\$0.051	\$0.020
Monthly Premium		\$326	\$280	\$248
Annual Premium		\$3,912	\$3,364	\$2,981
Variance to current		0%	-14%	-24%
Variance to renewal			-14%	-24%

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## Exposure Evaluation

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All coverage terms and conditions in the preceding pages are intended as a reference only. Actual policies will contain full coverage exclusions or limitations, terms and conditions, and other wordings that are not summarized herein.

# HORTON



## Contribution Exhibit

August 2023

Prepared for: Village of Palos Park

Presented By:

Mike Wojcik

[Mike.Wojcik@thehortongroup.com](mailto:Mike.Wojcik@thehortongroup.com)

p | 708.845.3126

c | 708.650.1557

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# Village of Palos Park

## Medical Contribution Exhibit

	Current Monthly Rates				Renewal Monthly Rates			
	EE	ES	EC	Family	EE	ES	EC	Family
HMO	\$645.85	\$1,302.87	\$1,279.08	\$1,935.87	\$785.04	\$1,644.75	\$1,495.65	\$2,355.36
BCO 500	\$670.43	\$1,352.26	\$1,327.75	\$2,009.58	\$812.99	\$1,703.29	\$1,548.88	\$2,439.18
PPO 1000	\$826.44	\$1,666.92	\$1,636.71	\$2,477.19	\$983.79	\$2,061.14	\$1,874.28	\$2,951.63
HSA 2900	\$726.66	\$1,465.66	\$1,439.09	\$2,178.10	\$860.21	\$1,802.24	\$1,638.86	\$2,580.87

Months 12 Pay Period 26

Current HMO	Proposed HMO	Current Monthly Contributions				Renewal Monthly Contributions				Total Current Contributions				Total Renewal Contributions					
		EE	ES	EC	Family	ER	EE	Percentage of Total	EE	Percentage of Total	ER	EE	Percentage of Total	EE	Percentage of Total	ER	EE	Percentage of Total	
Participation																			
2	2	EE	\$548.97	\$96.88	\$667.28	\$117.76	15.00%	ER	\$667.28	\$117.76	15.00%	ER	\$667.28	\$117.76	15.00%	ER	\$667.28	\$117.76	15.00%
0	0	EE + SP	\$1,042.14	\$260.53	\$1,315.80	\$328.95	20.00%	EE	\$1,315.80	\$328.95	20.00%	EE	\$1,315.80	\$328.95	20.00%	EE	\$1,315.80	\$328.95	20.00%
1	1	EE + CH	\$1,023.25	\$255.81	\$1,196.52	\$299.13	20.00%	ER	\$1,196.52	\$299.13	20.00%	ER	\$1,196.52	\$299.13	20.00%	ER	\$1,196.52	\$299.13	20.00%
4	4	Family	\$1,548.70	\$387.17	\$1,884.29	\$471.07	20.00%	Family	\$1,884.29	\$471.07	20.00%	Family	\$1,884.29	\$471.07	20.00%	Family	\$1,884.29	\$471.07	20.00%
BCO 500																			
Participation																			
1	1	EE	\$536.34	\$134.09	\$650.39	\$162.60	20.00%	ER	\$650.39	\$162.60	20.00%	ER	\$650.39	\$162.60	20.00%	ER	\$650.39	\$162.60	20.00%
0	0	EE + SP	\$1,081.81	\$270.45	\$1,362.63	\$340.66	20.00%	EE	\$1,362.63	\$340.66	20.00%	EE	\$1,362.63	\$340.66	20.00%	EE	\$1,362.63	\$340.66	20.00%
0	0	EE + CH	\$1,052.20	\$265.55	\$1,239.10	\$309.78	20.00%	ER	\$1,239.10	\$309.78	20.00%	ER	\$1,239.10	\$309.78	20.00%	ER	\$1,239.10	\$309.78	20.00%
0	0	Family	\$1,607.66	\$401.92	\$1,951.34	\$487.84	20.00%	Family	\$1,951.34	\$487.84	20.00%	Family	\$1,951.34	\$487.84	20.00%	Family	\$1,951.34	\$487.84	20.00%
PPO 1000																			
Participation																			
8	8	EE	\$661.15	\$165.29	\$787.03	\$196.76	20.00%	ER	\$787.03	\$196.76	20.00%	ER	\$787.03	\$196.76	20.00%	ER	\$787.03	\$196.76	20.00%
2	2	EE + SP	\$1,333.54	\$333.38	\$1,648.91	\$412.23	20.00%	EE	\$1,648.91	\$412.23	20.00%	EE	\$1,648.91	\$412.23	20.00%	EE	\$1,648.91	\$412.23	20.00%
4	4	EE + CH	\$1,309.37	\$327.34	\$1,498.42	\$374.86	20.00%	ER	\$1,498.42	\$374.86	20.00%	ER	\$1,498.42	\$374.86	20.00%	ER	\$1,498.42	\$374.86	20.00%
3	3	Family	\$1,981.75	\$495.44	\$2,361.30	\$590.33	20.00%	Family	\$2,361.30	\$590.33	20.00%	Family	\$2,361.30	\$590.33	20.00%	Family	\$2,361.30	\$590.33	20.00%
HSA 2900																			
Participation																			
2	2	EE	\$683.06	\$43.60	\$688.60	\$51.61	6.00%	ER	\$688.60	\$51.61	6.00%	ER	\$688.60	\$51.61	6.00%	ER	\$688.60	\$51.61	6.00%
1	1	EE + SP	\$1,319.09	\$146.57	\$1,622.02	\$180.22	10.00%	EE	\$1,622.02	\$180.22	10.00%	EE	\$1,622.02	\$180.22	10.00%	EE	\$1,622.02	\$180.22	10.00%
0	0	EE + CH	\$1,295.18	\$143.91	\$1,474.97	\$163.89	10.00%	ER	\$1,474.97	\$163.89	10.00%	ER	\$1,474.97	\$163.89	10.00%	ER	\$1,474.97	\$163.89	10.00%
0	0	Family	\$1,960.29	\$217.81	\$2,322.78	\$258.09	10.00%	Family	\$2,322.78	\$258.09	10.00%	Family	\$2,322.78	\$258.09	10.00%	Family	\$2,322.78	\$258.09	10.00%
<b>Total Enrollment</b>	<b>28</b>																		

Affordability Test		9.12%	
Renewal Monthly Contribution	Employee Only	\$51.61	\$258.09
Annual Contribution	SP - Spouse	\$619.35	\$3,097.04
Annual Salary	CH - Child(ren)	\$5,791.13	\$33,958.82

Legend	
ER - Employer	
EE - Employee	
SP - Spouse	
CH - Child(ren)	

Premium Only		Premium with HSA/HRA	
HSA/HRA Contribution	\$0.00	\$0.00	\$0.00
Cost Share	\$368,118.62	\$85,810.42	\$439,602.37
Grand Total	\$368,118.62	\$85,810.42	\$439,602.37

Cost Share Percentage	
Cost Share Percentage	81.10%
Grand Total	\$453,929.04

Difference	
Difference	\$68,080.12
Projected Renewal Cost PEPPY	\$13,147.09
Projected Renewal Cost PEPPY	\$15,700.08



# Village of Palos Park

## Medical Contribution Exhibit (\$1000 Blue Choice Options PPO & \$3100 Blue Choice Options HSA)

	Current Monthly Rates				Renewal Monthly Rates			
	EE	ES	EC	Family	EE	ES	EC	Family
HMO	\$645.85	\$1,302.67	\$1,279.06	\$1,935.87	\$785.04	\$1,644.75	\$1,495.65	\$2,355.36
BCO 500	\$670.43	\$1,352.26	\$1,327.75	\$2,009.58	\$812.99	\$1,703.29	\$1,548.88	\$2,439.18
PPO 1000	\$826.44	\$1,666.92	\$1,636.71	\$2,477.19	\$814.53	\$1,706.53	\$1,551.82	\$2,443.82
HSA 2900	\$726.66	\$1,465.66	\$1,439.09	\$2,178.10	\$679.93	\$1,424.52	\$1,295.38	\$2,039.96

Months 12 Pay Period 26

Current HMO	Proposed HMO	Current Monthly Contributions				Renewal Monthly Contributions				Total Current Contributions				Total Renewal Contributions					
		EE	ES	EC	Family	ER	EE	Percentage of Total	EE	Percentage of Total	ER	EE	Percentage of Total	EE	Percentage of Total	ER	EE	Percentage of Total	
Participation																			
2	2	EE	\$548.97	15.00%	\$687.28	15.00%	\$54.35	15.00%	\$9.64	15.00%	\$13,175.34	22.32%	\$9.64	15.00%	\$16,014.82	22.32%	\$0.00	0.00%	\$0.00
0	0	EE + SP	\$1,042.14	20.00%	\$1,315.80	20.00%	\$151.82	20.00%	\$31.58	20.00%	\$2,787.98	47.68%	\$31.58	20.00%	\$3,069.74	47.68%	\$0.00	0.00%	\$0.00
1	1	EE + CH	\$1,023.25	20.00%	\$1,196.52	20.00%	\$255.81	20.00%	\$299.13	20.00%	\$12,278.98	21.22%	\$19.99	20.00%	\$14,358.24	21.22%	\$0.00	0.00%	\$0.00
4	4	Family	\$1,548.70	20.00%	\$1,884.29	20.00%	\$387.17	20.00%	\$471.07	20.00%	\$74,337.41	128.72%	\$38.72	20.00%	\$90,445.82	128.72%	\$0.00	0.00%	\$0.00
BCO 500																			
1	1	EE	\$536.34	20.00%	\$650.39	20.00%	\$75.05	20.00%	\$13.16	20.00%	\$6,436.13	10.95%	\$13.16	20.00%	\$7,804.70	10.95%	\$0.00	0.00%	\$0.00
0	0	EE + SP	\$1,081.81	20.00%	\$1,362.63	20.00%	\$157.23	20.00%	\$32.40	20.00%	\$3,000.00	5.00%	\$32.40	20.00%	\$3,600.00	5.00%	\$0.00	0.00%	\$0.00
0	0	EE + CH	\$1,062.20	20.00%	\$1,239.10	20.00%	\$142.87	20.00%	\$20.41	20.00%	\$2,000.00	3.30%	\$20.41	20.00%	\$2,400.00	3.30%	\$0.00	0.00%	\$0.00
0	0	Family	\$1,607.66	20.00%	\$1,951.34	20.00%	\$225.16	20.00%	\$39.66	20.00%	\$3,000.00	5.00%	\$39.66	20.00%	\$3,600.00	5.00%	\$0.00	0.00%	\$0.00
PPO 1000																			
Participation																			
8	8	EE	\$661.15	20.00%	\$651.62	20.00%	\$75.19	20.00%	-\$1.10	20.00%	\$63,470.59	105.95%	-\$1.10	20.00%	\$62,555.90	105.95%	\$0.00	0.00%	\$0.00
2	2	EE + SP	\$1,333.54	20.00%	\$1,365.22	20.00%	\$157.53	20.00%	\$3.66	20.00%	\$32,004.86	53.34%	\$3.66	20.00%	\$32,765.38	53.34%	\$0.00	0.00%	\$0.00
4	4	EE + CH	\$1,309.37	20.00%	\$1,241.46	20.00%	\$143.24	20.00%	-\$7.84	20.00%	\$62,849.66	105.95%	-\$7.84	20.00%	\$59,589.89	105.95%	\$0.00	0.00%	\$0.00
3	3	Family	\$1,981.75	20.00%	\$1,955.06	20.00%	\$225.58	20.00%	-\$3.08	20.00%	\$71,343.07	118.95%	-\$3.08	20.00%	\$70,382.02	118.95%	\$0.00	0.00%	\$0.00
HSA 2900																			
Participation																			
2	2	EE	\$653.06	6.00%	\$639.13	6.00%	\$18.63	6.00%	-\$1.29	6.00%	\$16,393.45	27.32%	-\$1.29	6.00%	\$15,339.22	27.32%	\$0.00	0.00%	\$0.00
1	1	EE + SP	\$1,319.09	10.00%	\$1,282.07	10.00%	\$65.75	10.00%	-\$1.90	10.00%	\$15,829.13	26.37%	-\$1.90	10.00%	\$15,384.82	26.37%	\$0.00	0.00%	\$0.00
0	0	EE + CH	\$1,295.18	10.00%	\$1,165.84	10.00%	\$59.79	10.00%	-\$6.63	10.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00
0	0	Family	\$1,960.29	10.00%	\$1,835.96	10.00%	\$94.15	10.00%	-\$6.38	10.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00
<b>Total Enrollment</b>	<b>28</b>																		

Premium Only	\$368,118.62	\$85,810.42	\$384,840.80	\$89,990.16
HSA/HRA Contribution	\$0.00	\$0.00	\$0.00	\$0.00
Premium with HSA/HRA	\$368,118.62	\$85,810.42	\$384,840.80	\$89,990.16
Cost Share			\$16,522.18	\$4,179.74
Cost Share Percentage	81.10%	18.90%	81.04%	18.96%
Grand Total	\$453,929.04		\$474,630.96	

Difference \$20,701.92  
 Projected Renewal Cost PEPPY \$13,737.17

Legend	
ER - Employer	
EE - Employee	
SP - Spouse	
CH - Child(ren)	

Affordability Test	9.12%
Employee Only	Family
Renewal Monthly Contribution	\$204.00
Annual Contribution	\$2,447.95
Annual Salary	\$26,841.58

### Notes



# Village of Palos Park

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### Exposure Evaluation

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