



AUBURN HILLS MEETING SCHEDULE

248-370-9402 | WWW.AUBURNHILLS.ORG

MARCH, 2023

DAY	TITLE	TIME	LOCATION
6	City Council Workshop	5:30 PM	Administrative Conference Room 1827 N. Squirrel Road
6	City Council Meeting	7:00 PM	Council Chamber 1827 N. Squirrel Road
7	Board of Review Organizational Meeting	9:00 AM	Council Conference Room 1827 N. Squirrel Road
8	Planning Commission	7:00 PM	Council Conference Room 1827 N. Squirrel Road
8	Pension Board/Retiree HealthCare	3:00 PM	Administrative Conference Room 1827 N. Squirrel Road
9	Zoning Board of Appeals	7:00 PM	CANCELED
13	Board of Review	9:00 AM	Administrative Conference Room 1827 N. Squirrel Road
13	Library Board	7:00 PM	Auburn Hills Public Library 3400 Seyburn Drive
13	Downtown Development Authority	5:30 PM	Administrative Conference Room 1827 N. Squirrel Road
14	Board of Review	2:00 PM	Administrative Conference Room 1827 N. Squirrel Road
14	Tax Increment Finance Authority	4:00 PM	Council Chamber 1827 N. Squirrel Road
15	Board & Commission Training	6:00 PM	Council Chamber 1827 N. Squirrel Road
20	City Council Meeting	7:00 PM	Council Chamber 1827 N. Squirrel Road
21	Brownfield Redevelopment Authority	6:00 PM	Administrative Conference Room 1827 N. Squirrel Road

NOTE: Anyone planning to attend the meeting who has need of special assistance under the American's with Disabilities Act (ADA) is asked to contact the City Clerk's Office at 248.370.9402 48 hours prior to the meeting. Staff will be please to make the necessary arrangements. PLEASE BE ADVISED, DUE TO A LACK OF AGENDA ITEMS, SOME MEETINGS MAY BE CANCELED.



AUBURN HILLS MEETING SCHEDULE

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APRIL, 2023

DAY	TITLE	TIME	LOCATION
3	City Council Meeting	7:00 PM	Council Chamber 1827 N. Squirrel Road
5	Planning Commission	7:00 PM	Council Chamber 1827 N. Squirrel Road
10	Library Board	7:00 PM	Auburn Hills Public Library 3400 Seyburn Drive
11	Tax Increment Finance Authority	4:00 PM	Administrative Conference Room 1827 N. Squirrel Road
13	Zoning Board of Appeals	7:00 PM	Council Chamber 1827 N. Squirrel Road
17	City Council Meeting	7:00 PM	Council Chamber 1827 N. Squirrel Road
18	Brownfield Redevelopment Authority	6:00 PM	Administrative Conference Room 1827 N. Squirrel Road
24	City Council Goals & Objectives Workshop	5:30 PM	Administrative Conference Room 1827 N. Squirrel Road

NOTE: Anyone planning to attend the meeting who has need of special assistance under the American's with Disabilities Act (ADA) is asked to contact the City Clerk's Office at 248.370.9402 48 hours prior to the meeting. Staff will be please to make the necessary arrangements. PLEASE BE ADVISED, DUE TO A LACK OF AGENDA ITEMS, SOME MEETINGS MAY BE CANCELED.



CITY OF AUBURN HILLS
MONDAY, MARCH 6, 2023
Workshop Session ♦ 5:30 PM

Admin Conference Room, 1827 N. Squirrel Road, Auburn Hills MI

Regular City Council Meeting ♦ 7:00 PM

Council Chamber, 1827 N. Squirrel Road, Auburn Hills MI

248-370-9402 ♦ www.auburnhills.org

Workshop Topic:

- Emergency Preparedness

1. MEETING CALLED TO ORDER

2. PLEDGE OF ALLEGIANCE

3. ROLL CALL OF COUNCIL

4. APPROVAL OF MINUTES

4a. City Council Regular Meeting Minutes, February 20, 2023.

5. APPOINTMENTS AND PRESENTATIONS

5a. Administration of Oath to Fire Inspector Webb and Firefighter Andary

5b. ISO Rating Review Results, presented by Fire Chief Massingill

Motion – To receive and file the ISO Rating Review Results.

6. PUBLIC COMMENT

7. CONSENT AGENDA

All items listed are considered to be routine by the City Council and will be enacted by one motion. There will be no separate discussion of these items unless a Council Member so requests, in which event the item will be removed from the Consent Agenda and considered in its normal sequence on the agenda.

7a. Board and Commission Minutes

7a1. Brownfield Redevelopment Authority, February 21, 2023

7b. Motion - To approve Unique Short Tree Upholstery to reupholster banquet chairs and to amend the Senior Department Budget.

7c. Motion – To approve the purchase of patrol rifles.

7d. Motion – To approve the purchase of wireless routers for patrol cars.

7e. Motion – To approve the purchase of a cardiac monitor/defibrillator.

7f. Motion – To award the design services for the DPW Back Lot Reconstruction.

7g. Motion – To approve the purchase of two enclosed wedge trailers.

8. OLD BUSINESS

9. NEW BUSINESS

9a. Motion – To approve the purchase of a Rosenbauer 78' Quint Fire Apparatus.

9b. Public Hearing / Motion - To revoke the Industrial Facility Exemption Certificate (IFEC) # 2015-105 granted for 2501 Commercial Drive / Total Filtration Services, Inc.

9c. Motion – To consider the 2023 Liquor License Renewals. (2 motions)

10. COMMENTS AND MOTIONS FROM COUNCIL

11. CITY ATTORNEY REPORT

12. CITY MANAGER REPORT

13. ADJOURNMENT

City Council meeting minutes are on file in the City Clerk's Office. NOTE: Anyone planning to attend the meeting who has need of special assistance under the Americans with Disabilities Act (ADA) is asked to contact the City Clerk's Office at 248.370.9402 or the City Manager's Office at 248.370.9440 48 hours prior to the meeting. Staff will be pleased to make the necessary arrangements.



CITY OF AUBURN HILLS CITY COUNCIL AGENDA

MEETING DATE: MARCH 6, 2023

AGENDA ITEM NO 4A

CITY COUNCIL



CITY OF AUBURN HILLS REGULAR CITY COUNCIL MEETING **DRAFT** MINUTES

FEBRUARY 20, 2023

CALL TO ORDER: Mayor McDaniel at 7:00 PM.

LOCATION: Council Chamber, 1827 N. Squirrel Road, Auburn Hills MI

Present: Mayor McDaniel, Council Members Carrier, Hawkins, Knight, Marzolf, Verbeke

Absent: Council Member Cionka

Also Present: City Manager Tanghe, Assistant City Manager Skopek, City Attorney Ballantyne, City Clerk Pierce, Police Chief Gagnon, Asst Fire Chief Robinson, City Planner Keenan, Construction Coord. Lang, Director of Senior Services Adcock, DPW Director Baldante, Mgr of Municipal Properties Wisser, Accountant Winter, Management Assistant Hagge

14 Guests

4. APPROVAL OF MINUTES

4a. City Council Workshop Minutes, February 6, 2023.

Moved by Knight, Seconded by Hawkins.

RESOLVED: To approve the City Council Workshop Minutes of February 6, 2023.

VOTE: Yes: Carrier, Hawkins, Knight, Marzolf, McDaniel, Verbeke

No: None

Resolution No. 23.02.015

Motion Carried (6- 0)

4b. City Council Regular Meeting Minutes, February 6, 2023.

Moved by Verbeke, Seconded by Carrier.

RESOLVED: To approve the City Council Regular Meeting Minutes of February 6, 2023.

VOTE: Yes: Carrier, Hawkins, Knight, Marzolf, McDaniel, Verbeke

No: None

Resolution No. 23.02.016

Motion Carried (6- 0)

5. APPOINTMENTS AND PRESENTATIONS

5a. Motion – To confirm the reappointment of Steven Goodhall and Robert Waltenspiel to the Tax Increment Finance Authority Board of Directors.

Moved by Carrier, Seconded by Knight.

RESOLVED: To confirm the reappointment of Steven Goodhall and Robert Waltenspiel to the Tax Increment Finance Authority for a term ending February 28, 2027.

VOTE: Yes: Carrier, Hawkins, Knight, Marzolf, McDaniel, Verbeke

No: None

Resolution No. 23.02.017

Motion Carried (6- 0)

5b. Motion – To confirm the appointment Joseph Hopper to the Brownfield Redevelopment Authority.

Moved by Knight, Seconded by Carrier.

RESOLVED: To confirm the appointment of Joseph Hopper to the Brownfield Redevelopment Authority for a term ending December 31, 2024.

VOTE: Yes: Carrier, Hawkins, Knight, Marzolf, McDaniel, Verbeke

No: None

Resolution No. 23.02.018

Motion Carried (6- 0)

6. PUBLIC COMMENT

Mike Mansour commented on the upcoming anniversary of Hawk Woods. He offered his assistance with planning any celebratory events.

Representative Donni Steele, District 54, provided an introduction to Council.

7. CONSENT AGENDA

7a. Board and Commission Minutes

7a1. Tax Increment Finance Authority, January 10, 2023

7a2. Auburn Hills Building Authority, January 24, 2023

7a3. Planning Commission, February 8, 2023

7a4. Tax Increment Finance Authority, February 14, 2023

RESOLVED: To receive and file the Board and Commission Minutes.

7b. Motion – To extend the 2019-2021, 2022 Green Meadows Landscape Contract for an Additional Year (2023) of Mowing and Guardrail Services.

RESOLVED: To award a one-year contract extension for the General Mowing and Guardrail Trimming Contract to Green Meadows Landscape, Inc. at a rate of \$44 per acre for mowing services and \$0.065 per linear foot for guardrail maintenance. Budget funding was approved by the City Council as part of the 2023 Adopted Annual Budget depicted in the table. (Attachment A)

7c. Motion – To accept the Senior Center Matching Grant Agreement for Local Fiscal Recovery Fund Distribution Between Oakland County and the City of Auburn Hills.

RESOLVED: To accept and enter into the Local Fiscal Recovery Fund Distribution Agreement with Oakland County for the Oakland County Senior Center Matching Grant, and to authorize the Mayor to sign the Agreement on behalf of the City. (Attachment B)

- 7d. Motion – To amend 2023 General Fund departments and other Funds for changes in insurance costs.
RESOLVED: To amend each General Fund department as shown in the detail with a net increase of appropriations of \$17,370, an increase in appropriations for TIFA A Fund of \$2,677, and an increase in appropriations for Fleet Fund of \$35,054. Further, decrease the appropriations for the Water/Sewer fund \$3,202, the Major Road Fund \$8,905, the Local Road Fund \$8,808, and the Golf Course Fund \$8,990. (Attachment C)
- 7e. Motion – To approve the revised Resolution of Support for the Reconstruction of Brown Road.
RESOLVED: To approve the Revised Resolution of Support for the Reconstruction of Brown Road, and to support the Board of Road Commissioners for Oakland County actively seeking Transportation Economic Development Fund – Category “A” funds for the rehabilitation and reconstruction of Brown Road, Giddings Road, and Silverbell Road, and hereby directs that the application for funding be submitted to the Michigan Department of Transportation, Office of Economic Development. (Attachment D)
- 7f. Motion – To allow the Director of Public Works to execute the cost share agreement for traffic control device #396 with the Road Commission for Oakland County.
RESOLVED: To allow the Director of Public Works to execute the cost share agreement for traffic control device number 396 located at the intersection of Opdyke Road and Hempstead Road with the Road Commission for Oakland County.
- 7g. Motion – To authorize the conveyance of the land from the City of Auburn Hills to the Avondale School District at 200 S. Squirrel Road.
RESOLVED: To authorize the conveyance of 200 square feet of land located at 200 S. Squirrel Road, as legally described in the attached Quit Claim Deed, for and in consideration of \$10.00, from the City of Auburn Hills to the Avondale School District and to authorize the Mayor and City Clerk to execute the deed on behalf of the City.
- 7h. Motion – To approve a one-year Special Land Use Permit extension to allow for the outside and overnight storage of commercial vehicles / Integral Blue
RESOLVED: To approve a one-year Special Land Use Permit extension for Integral Blue, to allow for the outside and overnight storage of ten (10) commercial vehicles subject to the representations made by Integral Blue and the conditions of the City’s Administrative Review Team at the time of the October 18, 2021 approval. The vehicles shall be stored in the designated parking spaces along the west side of the building. The type of vehicles stored outside and overnight is limited to company-branded vehicles such as pick-up trucks, vans, and SUVs, which are similar to passenger vehicles. The outdoor and overnight storage of trailers, box trucks, flatbed trucks, and equipment or any other type of construction vehicles and equipment is prohibited. Said vehicles shall not be placed in the parking lot (outside of the building) for a prolonged period of time during the day as the parking lot is designed for the parking of passenger vehicles. Integral Blue may seek annual extensions directly from the City Council via an application with the Community Development Department. The City Council may grant annual extensions provided it finds the company has complied with the conditions of the Special Land Use Permit.
- 7i. Motion – To approve a one-year Special Land Use Permit extension to allow for the outside and overnight storage of commercial vehicles / LA Exhibits
RESOLVED: To approve a one-year Special Land Use Permit extension for LA Exhibits, to allow for the outside and overnight storage of up to three (3) commercial vehicles subject to the representations made by LA Exhibits and the conditions of the City’s Administrative Review Team at the time of the February 21, 2022 approval. The vehicles shall be stored in the designated parking spaces behind the building and on the east side of the easternmost dumpster enclosure. The type of vehicles stored outside and overnight is limited to company-branded vehicles such as vans, pick-

up trucks, and SUVs, which are similar to passenger vehicles. LA Exhibits may seek annual extensions directly from the City Council via an application with the Community Development Department. The City Council may grant annual extensions, provided it finds the company has complied with the conditions of the Special Land Use Permit.

- 7j. Motion – To approve a one-year Special Land Use Permit extension to allow for the outside and overnight storage of commercial vehicles / Fastenal

RESOLVED: To approve a one-year extension of the Special Land Use Permit for Fastenal, to allow for the outside and overnight storage of six (6) commercial vehicles subject to the representations made by Fastenal and the conditions of the City's Administrative Review Team at the time of the February 21, 2022 approval. The type of vehicles stored by Fastenal is limited to company-branded pickup trucks, which are similar to passenger vehicles. The storage of box trucks, trailers, equipment, or any other type of commercial vehicle, materials, and equipment will be prohibited. Fastenal may seek annual extensions directly from the City Council via an application with the Community Development Department. The City Council may grant annual extensions, provided it finds the company has complied with the conditions of the Special Land Use Permit.

- 7k. Motion – To approve a one-year Special Land Use Permit extension to allow for the outside and overnight storage of commercial vehicles / Concraft

RESOLVED: To approve a one-year Special Land Use Permit extension for Concraft to allow for the outside and overnight storage of twelve (12) commercial vehicles subject to the representations made by Concraft and the conditions of the City's Administrative Review Team at the time of the February 21, 2022 approval. The vehicles shall be stored in the designated parking spaces behind the building. The type of vehicles stored outside and overnight is limited to ten vans, one box truck, and one stake truck. The box truck and stake truck shall be parked in the identified spaces near the building. Concraft may seek annual extensions directly from the City Council via an application with the Community Development Department. The City Council may grant annual extensions, provided it finds the company has complied with the conditions of the Special Land Use Permit.

- 7l. Motion – To approve a one-year Special Land Use Permit extension to allow for the outside and overnight storage of commercial vehicles / TMG Event Marketing

RESOLVED: To approve a one-year Special Land Use Permit extension for TMG Event Marketing for the outside and overnight storage of six (6) commercial vehicles subject to the representations made by TMG Event Marketing and the conditions of the City's Administrative Review Team at the time of the June 20, 2022 approval. The vehicles shall be stored in the designated area on the north side of the property. The type of vehicles stored outside and overnight is limited to two semi-trucks with trailers, two fifth-wheel trailers, and two "Tag" trailers. The outside storage area shall be clearly outlined with striping. When the semi-truck/trailers are stored on the site, they shall be parked in the front of each row (west side), with the remaining trailers parked behind. Vehicles shall be stored within the designated area as far to the east as possible. TMG Event Marketing may seek annual extensions directly from the City Council via an application with the Community Development Department. The City Council may grant annual extensions, provided it finds the company has complied with the conditions of the Special Land Use Permit.

Moved by Verbeke, Seconded by Marzolf.

RESOLVED: To approve the Consent Agenda.

VOTE: Yes: Carrier, Hawkins, Knight, Marzolf, McDaniel, Verbeke

No: None

Resolution No. 23.02.019

Motion Carried (6- 0)

8. OLD BUSINESS

9. NEW BUSINESS

9a. Motion – To approve the Site Plan and Tree Removal Permit / UL Solutions

Mr. Keenan explained the request from Cunningham-Limp Company to construct an 83,061-square-foot high-tech research and testing facility located at the southeast corner of Dutton Road and Bald Mountain Road. The site is located behind TUV SUD and will be accessed by a private road off of Dutton. He noted that Cunningham-Limp plans to sell the land to UL Solutions and build the facility. UL Solutions will own the building and land.

Ms. Verbeke commented on the emergency vehicle access drive and the detention pond. Mr. Keenan confirmed that the plan includes a gated emergency vehicle only access drive from Bald Mountain Road to the site. The swing gate style will give it a more appealing look. He noted that there will be a Knox box for the Fire Department at this gate. A second gate will be located at the facility. He pointed out that nothing has changed related to the existing detention pond and natural buffer.

Sam Ashley, Cunningham-Limp, explained that there is additional screening that has been put in place around the perimeter of the property. The bike path will be diverted into the property in order to preserve the large trees. In response to a question from Mr. Hawkins, Mr. Ashley stated that there are no anticipated back up issues with employees leaving both buildings.

Moved by Carrier, Seconded by Hawkins.

RESOLVED: To accept the Planning Commission's recommendation and approve the Site Plan and Tree Removal Permit for UL Solutions subject to the conditions of the City's Administrative Review Team.

VOTE: Yes: Carrier, Hawkins, Knight, Marzolf, McDaniel, Verbeke

No: None

Resolution No. 23.02.020

Motion Carried (6- 0)

10. COMMENTS AND MOTIONS FROM COUNCIL

Mr. Marzolf

- Expressed excitement about the kitchen improvements at the Community Center.

Mr. Knight

- Suggested a study session be held to discuss the river walk as it is a positive enhancement to the downtown. Mr. Marzolf noted that this would be a good topic for discussion in the Recreation Master Plan.

Mr. Carrier

- Thanked Mr. Hopper for his service.

Mayor McDaniel

- Congratulated Mr. Beckerleg on 36 years of service with Secret Wardle.

11. CITY ATTORNEY REPORT

12. CITY MANAGER REPORT

13. CLOSED SESSION

13a. Discussion of Attorney's Opinion Letter

Moved by Verbeke, Seconded by Carrier.

RESOLVED: To meet in closed session to discuss a written attorney's opinion letter pursuant to MCL 15.268(1)(h) of the Open Meetings Act.

VOTE: Yes: Carrier, Hawkins, Knight, Marzolf, McDaniel, Verbeke

No: None

Resolution No. 23.02.021

Motion Carried

Council recessed to Closed Session at 7:25 PM.

The meeting reconvened in Open Session at 8:08 PM.

14. ADJOURNMENT

Hearing no objections, the Mayor adjourned the meeting at 8:08 PM.

Kevin R. McDaniel, Mayor

Laura M. Pierce, City Clerk

ATTACHMENT A

General Ledger Number	Budgeted Amount
101-266-802.000	\$72,681.84
251-735-802.000	\$22,225.28
252-736-800.199	\$25,574.84
253-737-800.199	\$23,789.92
202 452 935.000	\$9618.48
203 453 935.000	\$891.84

ATTACHMENT B

RESOLUTION TO AUTHORIZE THE CITY OF AUBURN HILLS MAYOR SIGN THE AGREEMENT FOR LOCAL FISCAL RECOVERY FUND DISTRIBUTION BETWEEN OAKLAND COUNTY AND THE CITY OF AUBURN HILLS

WHEREAS, The City of Auburn Hills submitted an application to the Oakland County Seniors Matching Grant opportunity for the addition of cooking equipment for the City of Auburn Hills Community Center in the amount of \$125,000.

WHEREAS The grant funding is part of a 5-million-dollar investment for senior centers in Oakland County.

WHEREAS The Grant Program requires a local match of 50%.

WHEREAS The Grant Program requires that the City of Auburn Hills to enter into an agreement for Local Fiscal Recovery Fund Distribution.

NOW THEREFORE BE IT RESOLVED that the City of Auburn Hills authorizes the City of Auburn Hills Mayor, Kevin R. McDaniel to sign the agreement on behalf of the city.

BE IT FURTHER RESOLVED that the City of Auburn Hills acknowledges and certifies compliance with all grant program requirements, including commitment to long-term maintenance and all project cost overruns.

BE IT FURTHER RESOLVED that the City of Auburn Hills shall make a local match through financial commitment for the project for \$125,000.

BE IT FURTHER RESOLVED that Karen S Adcock, Director of Senior Services, will be authorized to sign all grant-related documents on behalf of the City of Auburn Hills.

AYES: 6 (Carrier, Hawkins, Knight, Marzolf, McDaniel, Verbeke)

NAYES: None

ABSENT: 1 (Cionka)

RESOLUTION ADOPTED

I HEREBY CERTIFY, that the foregoing is a resolution duly made and passed by the City Council of the City of Auburn Hills at their regular meeting held on the 20th day of February, 2023, at 7:00 PM, with a quorum present.

IN WITNESS WHEREOF, I have hereunto affixed my official signature on this ____ day of _____, 2023

Laura M. Pierce, City Clerk
City of Auburn Hills

ATTACHMENT C

GL Number	General Fund Department	2023 Budget	Appropriations Increase/(Decrease)	2023 Amended Budget
101-371-957.001	BUILDING SERVICES	0.00	1,627	1,627
101-265-957.001	FACILITIES	0.00	333	333
101-336-957.002	FIRE - ADMIN	38,996.00	(6,328)	32,668
101-339-957.001	FIRE - SUPPRESSION	14,760.00	(9,881)	4,879
101-261-957.001	GENERAL ADMIN	13,333.00	(11,435)	1,898
101-261-957.002	GENERAL ADMIN	88,322.00	(3,549)	84,773
			(14,984)	
101-266-957.001	GROUNDS	0.00	2,192	2,192
101-770-957.001	PARKS	3,116.00	(1,691)	1,425
101-305-957.002	POLICE - ADMIN	59,223.00	37,024	96,247
101-301-957.001	POLICE - PATROL	0.00	10,570	10,570
101-686-957.001	SMART (SENIORS)	2,041.00	(1,227)	814
101-686-957.002	SMART (SENIORS)	859.00	(265)	594
			(9,342)	
Net Increase to General Fund Departments			17,370	
202-452-957.001	MAJOR ROADS	11,842.00	(9,033)	2,809
202-452-957.002	MAJOR ROADS	4,290.00	128	4,418
Net Decrease to Major Road Fund			(8,905)	
203-453-957.001	LOCAL ROADS	11,802.00	(9,006)	2,796
203-453-957.002	LOCAL ROADS	3,431.00	198	3,629
Net Decrease to Local Road Fund			(8,808)	
251-735-957.002	TIFA A	4,851.00	2,677	7,528
Net Increase to TIFA A Fund			2,677	
584-753-957.002	FIELDSTONE GOLF COURSE	20,590.00	(8,990)	11,600
Net Decrease to Fieldstone Golf Course Fund			(8,990)	
592-535-957.002	SEWER	6,759.00	625	7,384
592-535-957.001	SEWER	7,229.00	(5,684)	1,545
592-536-957.002	WATER	13,551.00	4,075	17,626
592-536-957.001	WATER	3,589.00	(2,218)	1,371
Net Decrease to Water/Sewer Fund			(3,202)	
661-594-957.002	FLEET	10,484.00	(2,590)	7,894
661-594-957.661	FLEET	43,964.00	37,644	81,608
Net Increase to Fleet Fund			31,852	
Account Key				
957.001	PHYSICAL DAMAGE INSURANCE			
957.002	LIABILITY INSURANCE			
957.661	AUTO LIABILITY			

ATTACHMENT D

CITY OF AUBURN HILLS RESOLUTION OF SUPPORT FOR THE RECONSTRUCTION OF BROWN ROAD

At a regular meeting of the City Council of the City of Auburn Hills, Oakland County, Michigan, held in the Council Chambers at 1827 N. Squirrel Road, Auburn Hills, Michigan 48326, at 7:00 p.m. on the 20th day of February, 2023, the following resolution was offered by Councilperson Verbeke and supported by Councilperson Marzolf:

WHEREAS, the Michigan Department of Transportation (MDOT) administers the Transportation Economic Development Fund - Category "A" program to promote increased economic potential and improve the quality of life through support of job creation and retention in Michigan; and

WHEREAS, eligible recipients include all county road commissions in the State of Michigan; and

WHEREAS, General Motors is investing \$4 billion to convert the Orion Assembly plant to produce electric trucks using the General Motors developed Ultium Platform, which gives the company the flexibility to build vehicles for every customer and segment. This investment is expected to create more than 2,350 new jobs at Orion and retain approximately 1,000 current jobs when the plant is fully operational. General Motors estimates the new jobs at Orion will be filled by a combination of General Motors transferees and new hires. Electric truck production, including the Chevrolet Silverado EV and electric GMC Sierra, will begin at Orion in 2024. The Orion investment will drive significant facility and capacity expansion at the site, including new body and paint shops and new general assembly and battery pack assembly areas. Production of the Chevrolet Bolt EV and EUV will continue during the plant's conversion. Site work has already begun.; and

WHEREAS, the Reconstruction of Brown Road project includes the total removal of existing pavement and replacement with 10" of hot mix asphalt and the replacement of curb and gutter on Brown Road from Jamm Road to South Giddings Road, Giddings Road from Brown Road to Silverbell Road and Silverbell Road from Giddings Road to M-24 (Lapeer Road). The project will include the addition of a left-turn lane on Brown Road from approximately N. Atlantic Boulevard to the existing left turn lane at Giddings Road. Construction of right turn lanes at GM gate 3, GM gate 4 and GM haul way yard gate. There will be installation of traffic signals at GM gate 1, GM gate 3 and GM gate 4 as well as a right turn flare at GM gate 1; and

WHEREAS, the Board of County Road Commissioners for Oakland County, Michigan, the Charter Township of Orion, the City of Auburn Hills, and the Federal Surface Transportation Program will enter into a local cost participation agreement for \$5,000,000 in local match for the project; and

WHEREAS, the Board of County Road Commissioners for Oakland County, Michigan will serve as lead agency, issue construction permits for work in the road right-of-way, coordinate the design of the project and provide staff to inspect and administer the construction activities; and

NOW, THEREFORE, BE IT RESOLVED, that the City of Auburn Hills supports the Board of Road Commissioners for Oakland County, Michigan actively seeking Transportation Economic Development Fund - Category "A" funds for the rehabilitation and reconstruction of Brown Road; Giddings Road; and Silver Bell Road and hereby

directs that the application for funding be submitted to the Michigan Department of Transportation, Office of Economic Development.

AYES: 6 (Carrier, Hawkins, Knight, Marzolf, McDaniel, Verbeke)
NAYES: None
ABSENT: 1 (Cionka)
ABSTENTIONS: None

STATE OF MICHIGAN)
COUNTY OF OAKLAND)

I, Laura M. Pierce, the duly qualified and appointed City Clerk of the City of Auburn Hills, Oakland County, Michigan, do hereby certify that the foregoing is a true and complete copy of a Resolution adopted at a regular meeting of the Auburn Hills City Council held on the 20th day of February, 2023, the original of which is on file in my office.

In witness whereof, I have hereunto affixed my official signature on this ____ day of _____, 2023.

Laura M. Pierce
City Clerk



CITY OF AUBURN HILLS CITY COUNCIL AGENDA

MEETING DATE: MARCH 6, 2023

AGENDA ITEM NO 5B

FIRE DEPARTMENT

To: Mayor and City Council
From: Thomas A. Tanghe, City Manager; Adam Massingill, Fire Chief
Submitted: March 1, 2023
Subject: Motion – Accept and Place on File Public Protection Classification Summary Report Effective April 1, 2023

INTRODUCTION AND HISTORY

Effective April 1, 2023, the City's Fire Protection Classification will be updated to reflect a "02" classification by the Insurance Service Office (ISO). The ISO collects and analyzes data from fire departments throughout the United States to develop a rating system for fire suppression capabilities provided in each community. Each Fire Department receives a Public Protection Classification (PPC) from 1 to 10 with a 01-rating indicating a superior fire protection and 10-rating indicating the municipalities fire suppression does not meet minimum criteria for protection.

The PPC classification provides objective data that allows communities to plan and budget for desired fire suppression capabilities by identifying strengths and weaknesses in service delivery models. The classification system is based on four categories: Community Risk Reduction, Community Water Supply, Emergency Communications, and Fire Suppression Capabilities.

The Auburn Hills Fire Department (AHFD) received an 81.02 out of a possible 105.5 points in the evaluation which places the department in the top 2% for Michigan Fire Departments and top 6% in the nation. ISO data shows AHFD is one of only twenty-one departments in Michigan to have received a rating of 02 or higher.

In addition to providing data to municipalities, the PPC program incentivizes lower scores by providing data to the insurance industry, which is utilized to set fire insurance premiums in communities. The reduction from the 2018 rating of 03 to the 2023 rating of 02 will allow for improved insurance premiums for property owners in Auburn Hills.

STAFF RECOMMENDATION

To accept and place on file the 2023 Insurance Service Office Public Protection Classification Summary Report created December 26, 2022, which will go into effect on April 1, 2023. Staff will also inform our residents and businesses of the new rating by way of social media, website posting, and buck slip in an upcoming water bill.

MOTION

Move to accept and place on file the 2023 Insurance Service Officer Public Protection Classification Summary Report created December 26, 2022, which will go into effect on April 1, 2023.

I CONCUR:

THOMAS A. TANGHE, CITY MANAGER



1000 Bishops Gate Blv. Ste 300
Mt. Laurel, NJ 08054-5404

t1.800.444.4554 Opt.2
f1.800.777.3929

December 26, 2022

Mr. Kevin McDaniel, Mayor
Auburn Hills
1827 N Squirrel Rd
Auburn Hills, Michigan, 48326

RE: Auburn Hills, Oakland County, Michigan
Public Protection Classification: 02
Effective Date: April 01, 2023

Dear Mr. Kevin McDaniel,

We wish to thank you and Mr. Adam Massingill for your cooperation during our recent Public Protection Classification (PPC) survey. ISO has completed its analysis of the structural fire suppression delivery system provided in your community. The resulting classification is indicated above.

If you would like to know more about your community's PPC classification, or if you would like to learn about the potential effect of proposed changes to your fire suppression delivery system, please call us at the phone number listed below.

ISO's Public Protection Classification Program (PPC) plays an important role in the underwriting process at insurance companies. In fact, most U.S. insurers – including the largest ones – use PPC information as part of their decision-making when deciding what business to write, coverage's to offer or prices to charge for personal or commercial property insurance.

Each insurance company independently determines the premiums it charges its policyholders. The way an insurer uses ISO's information on public fire protection may depend on several things – the company's fire-loss experience, ratemaking methodology, underwriting guidelines, and its marketing strategy.

Through ongoing research and loss experience analysis, we identified additional differentiation in fire loss experience within our PPC program, which resulted in the revised classifications. We based the differing fire loss experience on the fire suppression capabilities of each community. The new classifications will improve the predictive value for insurers while benefiting both commercial and residential property owners. We've published the new classifications as "X" and "Y" — formerly the "9" and "8B" portion of the split classification, respectively. For example:

- A community currently graded as a split 6/9 classification will now be a split 6/6X classification; with the "6X" denoting what was formerly classified as "9."
- Similarly, a community currently graded as a split 6/8B classification will now be a split 6/6Y classification, the "6Y" denoting what was formerly classified as "8B."

- Communities graded with single “9” or “8B” classifications will remain intact.
- Properties over 5 road miles from a recognized fire station would receive a class 10.

PPC is important to communities and fire departments as well. Communities whose PPC improves may get lower insurance prices. PPC also provides fire departments with a valuable benchmark, and is used by many departments as a valuable tool when planning, budgeting and justifying fire protection improvements.

ISO appreciates the high level of cooperation extended by local officials during the entire PPC survey process. The community protection baseline information gathered by ISO is an essential foundation upon which determination of the relative level of fire protection is made using the Fire Suppression Rating Schedule.

The classification is a direct result of the information gathered, and is dependent on the resource levels devoted to fire protection in existence at the time of survey. Material changes in those resources that occur after the survey is completed may affect the classification. Although ISO maintains a pro-active process to keep baseline information as current as possible, in the event of changes please call us at 1-800-444-4554, option 2 to expedite the update activity.

ISO is the leading supplier of data and analytics for the property/casualty insurance industry. Most insurers use PPC classifications for underwriting and calculating premiums for residential, commercial and industrial properties. The PPC program is not intended to analyze all aspects of a comprehensive structural fire suppression delivery system program. It is not for purposes of determining compliance with any state or local law, nor is it for making loss prevention or life safety recommendations.

If you have any questions about your classification, please let us know.

Sincerely,

Alex Shubert

Alex Shubert

Manager -National Processing Center

cc: Mr. Tom Tanghe, Manager, AUBURN HILLS, OAKLAND
Mr. Jason Deman, Manager, Auburn Hills DPW
Mr. Ryan Cohee, Supervisor, Oakland County Sheriffs Office
Mr. Adam Massingill, Chief, Auburn Hills Fire Department

**Public Protection Classification
(PPC®)
Summary Report**

Auburn Hills

MICHIGAN

Prepared by

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Background Information

Introduction

ISO collects and evaluates information from communities in the United States on their structure fire suppression capabilities. The data is analyzed using our Fire Suppression Rating Schedule (FSRS) and then a Public Protection Classification (PPC®) grade is assigned to the community. The surveys are conducted whenever it appears that there is a possibility of a PPC change. As such, the PPC program provides important, up-to-date information about fire protection services throughout the country.

The FSRS recognizes fire protection features only as they relate to suppression of first alarm structure fires. In many communities, fire suppression may be only a small part of the fire department's overall responsibility. ISO recognizes the dynamic and comprehensive duties of a community's fire service, and understands the complex decisions a community must make in planning and delivering emergency services. However, in developing a community's PPC grade, only features related to reducing property losses from structural fires are evaluated. Multiple alarms, simultaneous incidents and life safety are not considered in this evaluation. The PPC program evaluates the fire protection for small to average size buildings. Specific properties with a Needed Fire Flow in excess of 3,500 gpm are evaluated separately and assigned an individual PPC grade.

A community's investment in fire mitigation is a proven and reliable predictor of future fire losses. Statistical data on insurance losses bears out the relationship between excellent fire protection – as measured by the PPC program – and low fire losses. So, insurance companies use PPC information for marketing, underwriting, and to help establish fair premiums for homeowners and commercial fire insurance. In general, the price of fire insurance in a community with a good PPC grade is substantially lower than in a community with a poor PPC grade, assuming all other factors are equal.

ISO is an independent company that serves insurance companies, communities, fire departments, insurance regulators, and others by providing information about risk. ISO's expert staff collects information about municipal fire suppression efforts in communities throughout the United States. In each of those communities, ISO analyzes the relevant data and assigns a PPC grade – a number from 1 to 10. Class 1 represents an exemplary fire suppression program, and Class 10 indicates that the area's fire suppression program does not meet ISO's minimum criteria.

ISO's PPC program evaluates communities according to a uniform set of criteria, incorporating nationally recognized standards developed by the National Fire Protection Association and the American Water Works Association. A community's PPC grade depends on:

- **Needed Fire Flows**, which are representative building locations used to determine the theoretical amount of water necessary for fire suppression purposes.
- **Emergency Communications**, including emergency reporting, telecommunicators, and dispatching systems.
- **Fire Department**, including equipment, staffing, training, geographic distribution of fire companies, operational considerations, and community risk reduction.
- **Water Supply**, including inspection and flow testing of hydrants, alternative water supply operations, and a careful evaluation of the amount of available water compared with the amount needed to suppress fires up to 3,500 gpm.

Data Collection and Analysis

ISO has evaluated and classified over 39,000 fire protection areas across the United States using its FSRS. A combination of meetings between trained ISO field representatives and the dispatch center coordinator, community fire official, and water superintendent is used in conjunction with a comprehensive questionnaire to collect the data necessary to determine the PPC grade. In order for a community to obtain a grade better than a Class 9, three elements of fire suppression features are reviewed. These three elements are Emergency Communications, Fire Department, and Water Supply.

A review of the **Emergency Communications** accounts for 10% of the total classification. This section is weighted at **10 points**, as follows:

- Emergency Reporting 3 points
- Telecommunicators 4 points
- Dispatch Circuits 3 points

A review of the **Fire Department** accounts for 50% of the total classification. ISO focuses on a fire department's first alarm response and initial attack to minimize potential loss. The fire department section is weighted at **50 points**, as follows:

- Engine Companies 6 points
- Reserve Pumpers 0.5 points
- Pump Capacity 3 points
- Ladder/Service Companies 4 points
- Reserve Ladder/Service Trucks 0.5 points
- Deployment Analysis 10 points
- Company Personnel 15 points
- Training 9 points
- Operational considerations 2 points
- Community Risk Reduction 5.5 points (in addition to the 50 points above)

A review of the **Water Supply** system accounts for 40% of the total classification. ISO reviews the water supply a community uses to determine the adequacy for fire suppression purposes. The water supply system is weighted at **40 points**, as follows:

- Credit for Supply System 30 points
- Hydrant Size, Type & Installation 3 points
- Inspection & Flow Testing of Hydrants 7 points

There is one additional factor considered in calculating the final score – **Divergence**.

Even the best fire department will be less than fully effective if it has an inadequate water supply. Similarly, even a superior water supply will be less than fully effective if the fire department lacks the equipment or personnel to use the water. The FSRS score is subject to modification by a divergence factor, which recognizes disparity between the effectiveness of the fire department and the water supply.

The Divergence factor mathematically reduces the score based upon the relative difference between the fire department and water supply scores. The factor is introduced in the final equation.

PPC Grade

The PPC grade assigned to the community will depend on the community's score on a 100-point scale:

PPC	Points
1	90.00 or more
2	80.00 to 89.99
3	70.00 to 79.99
4	60.00 to 69.99
5	50.00 to 59.99
6	40.00 to 49.99
7	30.00 to 39.99
8	20.00 to 29.99
9	10.00 to 19.99
10	0.00 to 9.99

The classification numbers are interpreted as follows:

- Class 1 through (and including) Class 8 represents a fire suppression system that includes an FSRS creditable dispatch center, fire department, and water supply.
- Class 8B is a special classification that recognizes a superior level of fire protection in otherwise Class 9 areas. It is designed to represent a fire protection delivery system that is superior except for a lack of a water supply system capable of the minimum FSRS fire flow criteria of 250 gpm for 2 hours.
- Class 9 is a fire suppression system that includes a creditable dispatch center, fire department but no FSRS creditable water supply.
- Class 10 does not meet minimum FSRS criteria for recognition, including areas that are beyond five road miles of a recognized fire station.

New PPC program changes effective July 1, 2014

We have revised the PPC program to capture the effects of enhanced fire protection capabilities that reduce fire loss and fire severity in Split Class 9 and Split Class 8B areas (as outlined below). This new structure benefits the fire service, community, and property owner.

New classifications

Through ongoing research and loss experience analysis, we identified additional differentiation in fire loss experience within our PPC program, which resulted in the revised classifications. We based the differing fire loss experience on the fire suppression capabilities of each community. The new PPC classes will improve the predictive value for insurers while benefiting both commercial and residential property owners. Here are the new classifications and what they mean.

Split classifications

When we develop a split classification for a community — for example 5/9 — the first number is the class that applies to properties within 5 road miles of the responding fire station and 1,000 feet of a creditable water supply, such as a fire hydrant, suction point, or dry hydrant. The second number is the class that applies to properties within 5 road miles of a fire station but beyond 1,000 feet of a creditable water supply. We have revised the classification to reflect more precisely the risk of loss in a community, replacing Class 9 and 8B in the second part of a split classification with revised designations.

What's changed with the new classifications?

We've published the new classifications as "X" and "Y" — formerly the "9" and "8B" portion of the split classification, respectively. For example:

- A community currently displayed as a split 6/9 classification will now be a split 6/6X classification; with the "6X" denoting what was formerly classified as "9".
- Similarly, a community currently graded as a split 6/8B classification will now be a split 6/6Y classification, the "6Y" denoting what was formerly classified as "8B".
- Communities graded with single "9" or "8B" classifications will remain intact.

Prior Classification	New Classification
1/9	1/1X
2/9	2/2X
3/9	3/3X
4/9	4/4X
5/9	5/5X
6/9	6/6X
7/9	7/7X
8/9	8/8X
9	9

Prior Classification	New Classification
1/8B	1/1Y
2/8B	2/2Y
3/8B	3/3Y
4/8B	4/4Y
5/8B	5/5Y
6/8B	6/6Y
7/8B	7/7Y
8/8B	8/8Y
8B	8B

What's changed?

As you can see, we're still maintaining split classes, but it's how we represent them to insurers that's changed. The new designations reflect a reduction in fire severity and loss and have the potential to reduce property insurance premiums.

Benefits of the revised split class designations

- To the fire service, the revised designations identify enhanced fire suppression capabilities used throughout the fire protection area
- To the community, the new classes reward a community's fire suppression efforts by showing a more reflective designation
- To the individual property owner, the revisions offer the potential for decreased property insurance premiums

New water class

Our data also shows that risks located more than 5 but less than 7 road miles from a responding fire station with a creditable water source within 1,000 feet had better loss experience than those farther than 5 road miles from a responding fire station with no creditable water source. We've introduced a new classification —10W — to recognize the reduced loss potential of such properties.

What's changed with Class 10W?

Class 10W is property-specific. Not all properties in the 5-to-7-mile area around the responding fire station will qualify. The difference between Class 10 and 10W is that the 10W-graded risk or property is within 1,000 feet of a creditable water supply. Creditable water supplies include fire protection systems using hauled water in any of the split classification areas.

What's the benefit of Class 10W?

10W gives credit to risks within 5 to 7 road miles of the responding fire station and within 1,000 feet of a creditable water supply. That's reflective of the potential for reduced property insurance premiums.

What does the fire chief have to do?

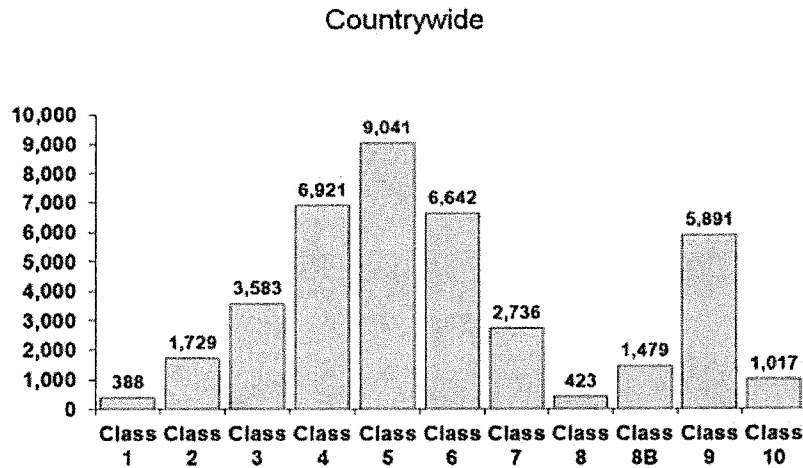
Fire chiefs don't have to do anything at all. The revised classifications went in place automatically effective July 1, 2014 (July 1, 2015 for Texas).

What if I have additional questions?

Feel free to contact ISO at 800.444.4554 or email us at PPC-Cust-Serv@iso.com.

Distribution of PPC Grades

The 2020 published countrywide distribution of communities by the PPC grade is as follows:



Assistance

The PPC program offers help to communities, fire departments, and other public officials as they plan for, budget, and justify improvements. ISO is also available to assist in the understanding of the details of this evaluation.

The PPC program representatives can be reached by telephone at (800) 444-4554. The technical specialists at this telephone number have access to the details of this evaluation and can effectively speak with you about your questions regarding the PPC program. What's more, we can be reached via the internet at www.isomitigation.com/talk/.

We also have a website dedicated to our Community Hazard Mitigation Classification programs at www.isomitigation.com. Here, fire chiefs, building code officials, community leaders and other interested citizens can access a wealth of data describing the criteria used in evaluating how cities and towns are protecting residents from fire and other natural hazards. This website will allow you to learn more about the PPC program. The website provides important background information, insights about the PPC grading processes and technical documents. ISO is also pleased to offer Fire Chiefs Online — a special, secured website with information and features that can help improve your PPC grade, including a list of the Needed Fire Flows for all the commercial occupancies ISO has on file for your community. Visitors to the site can download information, see statistical results and also contact ISO for assistance.

In addition, on-line access to the FSRs and its commentaries is available to registered customers for a fee. However, fire chiefs and community chief administrative officials are given access privileges to this information without charge.

To become a registered fire chief or community chief administrative official, register at www.isomitigation.com.

PPC Review

ISO concluded its review of the fire suppression features being provided for Auburn Hills. The resulting community classification is **Class 02**.

If the classification is a single class, the classification applies to properties with a Needed Fire Flow of 3,500 gpm or less in the community. If the classification is a split class (e.g., 6/XX):

- The first class (e.g., "6" in a 6/XX) applies to properties within 5 road miles of a recognized fire station and within 1,000 feet of a fire hydrant or alternate water supply.
- The second class (XX or XY) applies to properties beyond 1,000 feet of a fire hydrant but within 5 road miles of a recognized fire station.
- Alternative Water Supply: The first class (e.g., "6" in a 6/10) applies to properties within 5 road miles of a recognized fire station with no hydrant distance requirement.
- Class 10 applies to properties over 5 road miles of a recognized fire station.
- Class 10W applies to properties within 5 to 7 road miles of a recognized fire station with a recognized water supply within 1,000 feet.
- Specific properties with a Needed Fire Flow in excess of 3,500 gpm are evaluated separately and assigned an individual classification.

FSRS Feature	Earned Credit	Credit Available
Emergency Communications		
414. Credit for Emergency Reporting	3.00	3
422. Credit for Telecommunicators	4.00	4
432. Credit for Dispatch Circuits	3.00	3
440. Credit for Emergency Communications	10.00	10
Fire Department		
513. Credit for Engine Companies	5.96	6
523. Credit for Reserve Pumps	0.00	0.50
532. Credit for Pump Capacity	3.00	3
549. Credit for Ladder Service	3.76	4
553. Credit for Reserve Ladder and Service Trucks	0.00	0.50
561. Credit for Deployment Analysis	6.68	10
571. Credit for Company Personnel	7.51	15
581. Credit for Training	6.38	9
730. Credit for Operational Considerations	2.00	2
590. Credit for Fire Department	35.29	50
Water Supply		
616. Credit for Supply System	26.93	30
621. Credit for Hydrants	2.99	3
631. Credit for Inspection and Flow Testing	5.52	7
640. Credit for Water Supply	35.44	40
Divergence	-3.60	--
1050. Community Risk Reduction	3.89	5.50
Total Credit	81.02	105.50

Emergency Communications

Ten percent of a community's overall score is based on how well the communications center receives and dispatches fire alarms. Our field representative evaluated:

- Communications facilities provided for the general public to report structure fires
- Enhanced 9-1-1 Telephone Service including wireless
- Computer-aided dispatch (CAD) facilities
- Alarm receipt and processing at the communication center
- Training and certification of telecommunicators
- Facilities used to dispatch fire department companies to reported structure fires

	Earned Credit	Credit Available
414. Credit Emergency Reporting	3.00	3
422. Credit for Telecommunicators	4.00	4
432. Credit for Dispatch Circuits	3.00	3
Item 440. Credit for Emergency Communications:	10.00	10

Item 414 - Credit for Emergency Reporting (3 points)

The first item reviewed is Item 414 "Credit for Emergency Reporting (CER)". This item reviews the emergency communication center facilities provided for the public to report fires including 911 systems (Basic or Enhanced), Wireless Phase I and Phase II, Voice over Internet Protocol, Computer Aided Dispatch and Geographic Information Systems for automatic vehicle location. ISO uses National Fire Protection Association (NFPA) 1221, *Standard for the Installation, Maintenance and Use of Emergency Services Communications Systems* as the reference for this section.

Item 410. Emergency Reporting (CER)	Earned Credit	Credit Available
A./B. Basic 9-1-1, Enhanced 9-1-1 or No 9-1-1 For maximum credit, there should be an Enhanced 9-1-1 system, Basic 9-1-1 and No 9-1-1 will receive partial credit.	20.00	20
1. E9-1-1 Wireless Wireless Phase I using Static ALI (automatic location identification) Functionality (10 points); Wireless Phase II using Dynamic ALI Functionality (15 points); Both available will be 25 points	25.00	25
2. E9-1-1 Voice over Internet Protocol (VoIP) Static VoIP using Static ALI Functionality (10 points); Nomadic VoIP using Dynamic ALI Functionality (15 points); Both available will be 25 points	25.00	25
3. Computer Aided Dispatch Basic CAD (5 points); CAD with Management Information System (5 points); CAD with Interoperability (5 points)	15.00	15
4. Geographic Information System (GIS/AVL) <u>The PSAP uses</u> a fully integrated CAD/GIS management system with automatic vehicle location (AVL) integrated with a CAD system providing dispatch assignments. The individual fire departments being dispatched <u>do not</u> need GIS/AVL capability to obtain this credit.	15.00	15
Review of Emergency Reporting total:	100.00	100

Item 422- Credit for Telecommunicators (4 points)

The second item reviewed is Item 422 "Credit for Telecommunicators (TC)". This item reviews the number of Telecommunicators on duty at the center to handle fire calls and other emergencies. All emergency calls including those calls that do not require fire department action are reviewed to determine the proper staffing to answer emergency calls and dispatch the appropriate emergency response. The 2013 Edition of NFPA 1221, *Standard for the Installation, Maintenance and Use of Emergency Services Communications Systems*, recommends that ninety-five percent of emergency calls shall be answered within 15 seconds and ninety-nine percent of emergency calls shall be answered within 40 seconds. In addition, NFPA recommends that eighty percent of emergency alarm processing shall be completed within 60 seconds and ninety-five percent of alarm processing shall be completed within 106 seconds of answering the call.

To receive full credit for operators on duty, ISO must review documentation to show that the communication center meets NFPA 1221 call answering and dispatch time performance measurement standards. This documentation may be in the form of performance statistics or other performance measurements compiled by the 9-1-1 software or other software programs that are currently in use such as Computer Aided Dispatch (CAD) or Management Information System (MIS).

Item 420. Telecommunicators (CTC)	Earned Credit	Credit Available
A1. Alarm Receipt (AR) Receipt of alarms shall meet the requirements in accordance with the criteria of NFPA 1221	20.00	20
A2. Alarm Processing (AP) Processing of alarms shall meet the requirements in accordance with the criteria of NFPA 1221	20.00	20
B. Emergency Dispatch Protocols (EDP) Telecommunicators have emergency dispatch protocols (EDP) containing questions and a decision-support process to facilitate correct call categorization and prioritization.	20.00	20
C. Telecommunicator Training and Certification (TTC) Telecommunicators meet the qualification requirements referenced in NFPA 1061, <i>Standard for Professional Qualifications for Public Safety Telecommunicator</i> , and/or the Association of Public-Safety Communications Officials - International (APCO) <i>Project 33</i> . Telecommunicators are certified in the knowledge, skills, and abilities corresponding to their job functions.	20.00	20
D. Telecommunicator Continuing Education and Quality Assurance (TQA) Telecommunicators participate in continuing education and/or in-service training and quality-assurance programs as appropriate for their positions	20.00	20
Review of Telecommunicators total:	100.00	100

Item 432 - Credit for Dispatch Circuits (3 points)

The third item reviewed is Item 432 "Credit for Dispatch Circuits (CDC)". This item reviews the dispatch circuit facilities used to transmit alarms to fire department members. A "Dispatch Circuit" is defined in NFPA 1221 as "A circuit over which an alarm is transmitted from the communications center to an emergency response facility (ERF) or emergency response units (ERUs) to notify ERUs to respond to an emergency". All fire departments (except single fire station departments with full-time firefighter personnel receiving alarms directly at the fire station) need adequate means of notifying all firefighter personnel of the location of reported structure fires. The dispatch circuit facilities should be in accordance with the general criteria of NFPA 1221. "Alarms" are defined in this Standard as "A signal or message from a person or device indicating the existence of an emergency or other situation that requires action by an emergency response agency".

There are two different levels of dispatch circuit facilities provided for in the Standard – a primary dispatch circuit and a secondary dispatch circuit. In jurisdictions that receive 730 alarms or more per year (average of two alarms per 24-hour period), two separate and dedicated dispatch circuits, a primary and a secondary, are needed. In jurisdictions receiving fewer than 730 alarms per year, a second dedicated dispatch circuit is not needed. Dispatch circuit facilities installed but not used or tested (in accordance with the NFPA Standard) receive no credit.

The score for Credit for Dispatch Circuits (CDC) is influenced by monitoring for integrity of the primary dispatch circuit. There are up to 0.90 points available for this Item. Monitoring for integrity involves installing automatic systems that will detect faults and failures and send visual and audible indications to appropriate communications center (or dispatch center) personnel. ISO uses NFPA 1221 to guide the evaluation of this item. ISO's evaluation also includes a review of the communication system's emergency power supplies.

Item 432 "Credit for Dispatch Circuits (CDC)" = 3.00 points

Fire Department

Fifty percent of a community's overall score is based upon the fire department's structure fire suppression system. ISO's field representative evaluated:

- Engine and ladder/service vehicles including reserve apparatus
- Equipment carried
- Response to reported structure fires
- Deployment analysis of companies
- Available and/or responding firefighters
- Training

	Earned Credit	Credit Available
513. Credit for Engine Companies	5.96	6
523. Credit for Reserve Pumpers	0.00	0.5
532. Credit for Pumper Capacity	3.00	3
549. Credit for Ladder Service	3.76	4
553. Credit for Reserve Ladder and Service Trucks	0.00	0.5
561. Credit for Deployment Analysis	6.68	10
571. Credit for Company Personnel	7.51	15
581. Credit for Training	6.38	9
730. Credit for Operational Considerations	2.00	2
Item 590. Credit for Fire Department:	35.29	50

Basic Fire Flow

The Basic Fire Flow for the community is determined by the review of the Needed Fire Flows for selected buildings in the community. The fifth largest Needed Fire Flow is determined to be the Basic Fire Flow. The Basic Fire Flow has been determined to be 3500 gpm.

Item 513 - Credit for Engine Companies (6 points)

The first item reviewed is Item 513 "Credit for Engine Companies (CEC)". This item reviews the number of engine companies, their pump capacity, hose testing, pump testing and the equipment carried on the in-service pumpers. To be recognized, pumper apparatus must meet the general criteria of NFPA 1901, *Standard for Automotive Fire Apparatus* which include a minimum 250 gpm pump, an emergency warning system, a 300 gallon water tank, and hose. At least 1 apparatus must have a permanently mounted pump rated at 750 gpm or more at 150 psi.

The review of the number of needed pumpers considers the response distance to built-upon areas; the Basic Fire Flow; and the method of operation. Multiple alarms, simultaneous incidents, and life safety are not considered.

The greatest value of A, B, or C below is needed in the fire district to suppress fires in structures with a Needed Fire Flow of 3,500 gpm or less: **3 engine companies**

- a) **3 engine companies** to provide fire suppression services to areas to meet NFPA 1710 criteria or within 1½ miles.
- b) **3 engine companies** to support a Basic Fire Flow of 3500 gpm.
- c) **3 engine companies** based upon the fire department's method of operation to provide a minimum two engine response to all first alarm structure fires.

The FSRS recognizes that there are **3 engine companies** in service.

The FSRS also reviews Automatic Aid. Automatic Aid is considered in the review as assistance dispatched automatically by contractual agreement between two communities or fire districts. That differs from mutual aid or assistance arranged case by case. ISO will recognize an Automatic Aid plan under the following conditions:

- It must be prearranged for first alarm response according to a definite plan. It is preferable to have a written agreement, but ISO may recognize demonstrated performance.
- The aid must be dispatched to all reported structure fires on the initial alarm.
- The aid must be provided 24 hours a day, 365 days a year.

FSRS Item 512.D "Automatic Aid Engine Companies" responding on first alarm and meeting the needs of the city for basic fire flow and/or distribution of companies are factored based upon the value of the Automatic Aid plan (up to 1.00 can be used as the factor). The Automatic Aid factor is determined by a review of the Automatic Aid provider's communication facilities, how they receive alarms from the graded area, inter-department training between fire departments, and the fire ground communications capability between departments.

For each engine company, the credited Pump Capacity (PC), the Hose Carried (HC), the Equipment Carried (EC) all contribute to the calculation for the percent of credit the FSRS provides to that engine company.

Item 513 "Credit for Engine Companies (CEC)" = 5.96 points

Item 523 - Credit for Reserve Pumpers (0.50 points)

The item is Item 523 "Credit for Reserve Pumpers (CRP)". This item reviews the number and adequacy of the pumpers and their equipment. The number of needed reserve pumpers is 1 for each 8 needed engine companies determined in Item 513, or any fraction thereof.

Item 523 "Credit for Reserve Pumpers (CRP)" = 0.00 points

Item 532 – Credit for Pumper Capacity (3 points)

The next item reviewed is Item 532 "Credit for Pumper Capacity (CPC)". The total pump capacity available should be sufficient for the Basic Fire Flow of 3500 gpm. The maximum needed pump capacity credited is the Basic Fire Flow of the community.

Item 532 "Credit for Pumper Capacity (CPC)" = 3.00 points

Item 549 – Credit for Ladder Service (4 points)

The next item reviewed is Item 549 "Credit for Ladder Service (CLS)". This item reviews the number of response areas within the city with 5 buildings that are 3 or more stories or 35 feet or more in height, or with 5 buildings that have a Needed Fire Flow greater than 3,500 gpm, or any combination of these criteria. The height of all buildings in the city, including those protected by automatic sprinklers, is considered when determining the number of needed ladder companies. Response areas not needing a ladder company should have a service company. Ladders, tools and equipment normally carried on ladder trucks are needed not only for ladder operations but also for forcible entry, ventilation, salvage, overhaul, lighting and utility control.

The number of ladder or service companies, the height of the aerial ladder, aerial ladder testing and the equipment carried on the in-service ladder trucks and service trucks is compared with the number of needed ladder trucks and service trucks and an FSRS equipment list. Ladder trucks must meet the general criteria of NFPA 1901, *Standard for Automotive Fire Apparatus* to be recognized.

The number of needed ladder-service trucks is dependent upon the number of buildings 3 stories or 35 feet or more in height, buildings with a Needed Fire Flow greater than 3,500 gpm, and the method of operation.

The FSRS recognizes that there are **3 ladder companies** in service. These companies are needed to provide fire suppression services to areas to meet NFPA 1710 criteria or within 2½ miles and the number of buildings with a Needed Fire Flow over 3,500 gpm or 3 stories or more in height, or the method of operation.

The FSRS recognizes that there are **0 service companies** in service.

Item 549 "Credit for Ladder Service (CLS)" = 3.76 points

Item 553 – Credit for Reserve Ladder and Service Trucks (0.50 points)

The next item reviewed is Item 553 "Credit for Reserve Ladder and Service Trucks (CRLS)". This item considers the adequacy of ladder and service apparatus when one (or more in larger communities) of these apparatus are out of service. The number of needed reserve ladder and service trucks is 1 for each 8 needed ladder and service companies that were determined to be needed in Item 540, or any fraction thereof.

Item 553 "Credit for Reserve Ladder and Service Trucks (CRLS)" = 0.00 points

Item 561 – Deployment Analysis (10 points)

Next, Item 561 "Deployment Analysis (DA)" is reviewed. This Item examines the number and adequacy of existing engine and ladder-service companies to cover built-upon areas of the city.

To determine the Credit for Distribution, first the Existing Engine Company (EC) points and the Existing Engine Companies (EE) determined in Item 513 are considered along with Ladder Company Equipment (LCE) points, Service Company Equipment (SCE) points, Engine-Ladder Company Equipment (ELCE) points, and Engine-Service Company Equipment (ESCE) points determined in Item 549.

Secondly, as an alternative to determining the number of needed engine and ladder/service companies through the road-mile analysis, a fire protection area may use the results of a systematic performance evaluation. This type of evaluation analyzes computer-aided dispatch (CAD) history to demonstrate that, with its current deployment of companies, the fire department meets the time constraints for initial arriving engine and initial full alarm assignment in accordance with the general criteria of in NFPA 1710, *Standard for the Organization and Deployment of Fire Suppression Operations, Emergency Medical Operations, and Special Operations to the Public by Career Fire Departments*.

A determination is made of the percentage of built upon area within 1½ miles of a first-due engine company and within 2½ miles of a first-due ladder-service company.

Item 561 "Credit Deployment Analysis (DA)" = 6.68 points

Item 571 – Credit for Company Personnel (15 points)

Item 571 “Credit for Company Personnel (CCP)” reviews the average number of existing firefighters and company officers available to respond to reported first alarm structure fires in the city.

The on-duty strength is determined by the yearly average of total firefighters and company officers on-duty considering vacations, sick leave, holidays, “Kelley” days and other absences. When a fire department operates under a minimum staffing policy, this may be used in lieu of determining the yearly average of on-duty company personnel.

Firefighters on apparatus not credited under Items 513 and 549 that regularly respond to reported first alarms to aid engine, ladder, and service companies are included in this item as increasing the total company strength.

Firefighters staffing ambulances or other units serving the general public are credited if they participate in fire-fighting operations, the number depending upon the extent to which they are available and are used for response to first alarms of fire.

On-Call members are credited on the basis of the average number staffing apparatus on first alarms. Off-shift career firefighters and company officers responding on first alarms are considered on the same basis as on-call personnel. For personnel not normally at the fire station, the number of responding firefighters and company officers is divided by 3 to reflect the time needed to assemble at the fire scene and the reduced ability to act as a team due to the various arrival times at the fire location when compared to the personnel on-duty at the fire station during the receipt of an alarm.

The number of Public Safety Officers who are positioned in emergency vehicles within the jurisdiction boundaries may be credited based on availability to respond to first alarm structure fires. In recognition of this increased response capability the number of responding Public Safety Officers is divided by 2.

The average number of firefighters and company officers responding with those companies credited as Automatic Aid under Items 513 and 549 are considered for either on-duty or on-call company personnel as is appropriate. The actual number is calculated as the average number of company personnel responding multiplied by the value of AA Plan determined in Item 512.D.

The maximum creditable response of on-duty and on-call firefighters is 12, including company officers, for each existing engine and ladder company and 6 for each existing service company.

Chief Officers are not creditable except when more than one chief officer responds to alarms; then extra chief officers may be credited as firefighters if they perform company duties.

The FSRS recognizes **11.20 on-duty personnel** and an average of **2.25 on-call personnel** responding on first alarm structure fires.

Item 571 “Credit for Company Personnel (CCP)” = 7.51 points

Item 581 – Credit for Training (9 points)

Training	Earned Credit	Credit Available
A. Facilities, and Use For maximum credit, each firefighter should receive 18 hours per year in structure fire related subjects as outlined in NFPA 1001.	22.41	35
B. Company Training For maximum credit, each firefighter should receive 16 hours per month in structure fire related subjects as outlined in NFPA 1001.	18.53	25
C. Classes for Officers For maximum credit, each officer should be certified in accordance with the general criteria of NFPA 1021. Additionally, each officer should receive 12 hours of continuing education on or off site.	11.82	12
D. New Driver and Operator Training For maximum credit, each new driver and operator should receive 60 hours of driver/operator training per year in accordance with NFPA 1002 and NFPA 1451.	5.00	5
E. Existing Driver and Operator Training For maximum credit, each existing driver and operator should receive 12 hours of driver/operator training per year in accordance with NFPA 1002 and NFPA 1451.	4.11	5
F. Training on Hazardous Materials For maximum credit, each firefighter should receive 6 hours of training for incidents involving hazardous materials in accordance with NFPA 472.	0.71	1
G. Recruit Training For maximum credit, each firefighter should receive 240 hours of structure fire related training in accordance with NFPA 1001 within the first year of employment or tenure.	5.00	5
H. Pre-Fire Planning Inspections For maximum credit, pre-fire planning inspections of each commercial, industrial, institutional, and other similar type building (all buildings except 1-4 family dwellings) should be made annually by company members. Records of inspections should include up-to date notes and sketches.	3.29	12

Item 580 “Credit for Training (CT)” = 6.38 points

Item 730 – Operational Considerations (2 points)

Item 730 "Credit for Operational Considerations (COC)" evaluates fire department standard operating procedures and incident management systems for emergency operations involving structure fires.

Operational Considerations	Earned Credit	Credit Available
Standard Operating Procedures The department should have established SOPs for fire department general emergency operations	50	50
Incident Management Systems The department should use an established incident management system (IMS)	50	50
Operational Considerations total:	100	100

Item 730 "Credit for Operational Considerations (COC)" = 2.00 points

Water Supply

Forty percent of a community's overall score is based on the adequacy of the water supply system. The ISO field representative evaluated:

- the capability of the water distribution system to meet the Needed Fire Flows at selected locations up to 3,500 gpm.
- size, type and installation of fire hydrants.
- inspection and flow testing of fire hydrants.

	Earned Credit	Credit Available
616. Credit for Supply System	26.93	30
621. Credit for Hydrants	2.99	3
631. Credit for Inspection and Flow Testing	5.52	7
Item 640. Credit for Water Supply:	35.44	40

Item 616 – Credit for Supply System (30 points)

The first item reviewed is Item 616 "Credit for Supply System (CSS)". This item reviews the rate of flow that can be credited at each of the Needed Fire Flow test locations considering the supply works capacity, the main capacity and the hydrant distribution. The lowest flow rate of these items is credited for each representative location. A water system capable of delivering 250 gpm or more for a period of two hours plus consumption at the maximum daily rate at the fire location is considered minimum in the ISO review.

Where there are 2 or more systems or services distributing water at the same location, credit is given on the basis of the joint protection provided by all systems and services available.

The supply works capacity is calculated for each representative Needed Fire Flow test location, considering a variety of water supply sources. These include public water supplies, emergency supplies (usually accessed from neighboring water systems), suction supplies (usually evidenced by dry hydrant installations near a river, lake or other body of water), and supplies developed by a fire department using large diameter hose or vehicles to shuttle water from a source of supply to a fire site. The result is expressed in gallons per minute (gpm).

The normal ability of the distribution system to deliver Needed Fire Flows at the selected building locations is reviewed. The results of a flow test at a representative test location will indicate the ability of the water mains (or fire department in the case of fire department supplies) to carry water to that location.

The hydrant distribution is reviewed within 1,000 feet of representative test locations measured as hose can be laid by apparatus.

For maximum credit, the Needed Fire Flows should be available at each location in the district. Needed Fire Flows of 2,500 gpm or less should be available for 2 hours; and Needed Fire Flows of 3,000 and 3,500 gpm should be obtainable for 3 hours.

Item 616 "Credit for Supply System (CSS)" = 26.93 points

Item 621 – Credit for Hydrants (3 points)

The second item reviewed is Item 621 "Credit for Hydrants (CH)". This item reviews the number of fire hydrants of each type compared with the total number of hydrants.

There are a total of 2774 hydrants in the graded area.

620. Hydrants, - Size, Type and Installation	Number of Hydrants
A. With a 6 -inch or larger branch and a pumper outlet with or without 2½ - inch outlets	2736
B. With a 6 -inch or larger branch and no pumper outlet but two or more 2½ -inch outlets, or with a small foot valve, or with a small barrel	38
C./D. With only a 2½ -inch outlet or with less than a 6 -inch branch	0
E./F. Flush Type, Cistern, or Suction Point	0

Item 621 "Credit for Hydrants (CH)" = 2.99 points

Item 630 – Credit for Inspection and Flow Testing (7 points)

The third item reviewed is Item 630 "Credit for Inspection and Flow Testing (CIT)". This item reviews the fire hydrant inspection frequency, and the completeness of the inspections. Inspection of hydrants should be in accordance with AWWA M-17, *Installation, Field Testing and Maintenance of Fire Hydrants*.

Frequency of Inspection (FI): Average interval between the 3 most recent inspections.

Frequency	Points
1 year	30
2 years	20
3 years	10
4 years	5
5 years or more	No Credit

Note: The points for inspection frequency are reduced by 10 points if the inspections are incomplete or do not include a flushing program. An additional reduction of 10 points are made if hydrants are not subjected to full system pressure during inspections. If the inspection of cisterns or suction points does not include actual drafting with a pumper, or back-flushing for dry hydrants, 20 points are deducted.

Total points for Inspections = 3.18 points

Frequency of Fire Flow Testing (FF): Average interval between the 3 most recent inspections.

Frequency	Points
5 years	40
6 years	30
7 years	20
8 years	10
9 years	5
10 years or more	No Credit

Total points for Fire Flow Testing = 2.34 points

Item 631 "Credit for Inspection and Fire Flow Testing (CIT)" = 5.52 points

Divergence = -3.60

The Divergence factor mathematically reduces the score based upon the relative difference between the fire department and water supply scores. The factor is introduced in the final equation.

Community Risk Reduction

	Earned Credit	Credit Available
1025. Credit for Fire Prevention and Code Enforcement (CPCE)	1.69	2.2
1033. Credit for Public Fire Safety Education (CFSE)	1.18	2.2
1044. Credit for Fire Investigation Programs (CIP)	1.02	1.1
Item 1050. Credit for Community Risk Reduction	3.89	5.50

Item 1025 – Credit for Fire Prevention Code Adoption and Enforcement (2.2 points)	Earned Credit	Credit Available
Fire Prevention Code Regulations (PCR) Evaluation of fire prevention code regulations in effect.	2.76	10
Fire Prevention Staffing (PS) Evaluation of staffing for fire prevention activities.	7.02	8
Fire Prevention Certification and Training (PCT) Evaluation of the certification and training of fire prevention code enforcement personnel.	5.50	6
Fire Prevention Programs (PCP) Evaluation of fire prevention programs.	15.45	16
Review of Fire Prevention Code and Enforcement (CPCE) subtotal:	30.73	40

Item 1033 – Credit for Public Fire Safety Education (2.2 points)	Earned Credit	Credit Available
Public Fire Safety Educators Qualifications and Training (FSQT) Evaluation of public fire safety education personnel training and qualification as specified by the authority having jurisdiction.	5.00	10
Public Fire Safety Education Programs (FSP) Evaluation of programs for public fire safety education.	16.50	30
Review of Public Safety Education Programs (CFSE) subtotal:	21.50	40

Item 1044 – Credit for Fire Investigation Programs (1.1 points)	Earned Credit	Credit Available
Fire Investigation Organization and Staffing (IOS) Evaluation of organization and staffing for fire investigations.	8.00	8
Fire Investigator Certification and Training (IQT) Evaluation of fire investigator certification and training.	4.50	6
Use of National Fire Incident Reporting System (IRS) Evaluation of the use of the National Fire Incident Reporting System (NFIRS) for the 3 years before the evaluation.	6.00	6
Review of Fire Investigation Programs (CIP) subtotal:	18.50	20

Summary of PPC Review

for

Auburn Hills

FSRS Item	Earned Credit	Credit Available
Emergency Communications		
414. Credit for Emergency Reporting	3.00	3
422. Credit for Telecommunicators	4.00	4
432. Credit for Dispatch Circuits	3.00	3
440. Credit for Emergency Communications	10.00	10
Fire Department		
513. Credit for Engine Companies	5.96	6
523. Credit for Reserve Pumpers	0.00	0.5
532. Credit for Pumper Capacity	3.00	3
549. Credit for Ladder Service	3.76	4
553. Credit for Reserve Ladder and Service Trucks	0.00	0.5
561. Credit for Deployment Analysis	6.68	10
571. Credit for Company Personnel	7.51	15
581. Credit for Training	6.38	9
730. Credit for Operational Considerations	2.00	2
590. Credit for Fire Department	35.29	50
Water Supply		
616. Credit for Supply System	26.93	30
621. Credit for Hydrants	2.99	3
631. Credit for Inspection and Flow Testing	5.52	7
640. Credit for Water Supply	35.44	40
Divergence	-3.60	--
1050. Community Risk Reduction	3.89	5.50
Total Credit	81.02	105.5

Final Community Classification = 02

INSURANCE SERVICES OFFICE, INC.

HYDRANT FLOW DATA SUMMARY

Community Auburn Hills

County Michigan(Oakland), State MICHIGAN (21) Witnessed by: Insurance Services Office Survey Date: September 1, 2022

TEST NO.	TYPE DIST.*	TEST LOCATION	SERVICE	FLOW - GPM $Q=(29.83(Cd^2p^{0.5}))$		PRESSURE PSI		FLOW -AT 20 PSI		REMARKS***	MODEL TYPE	FLOW TEST DATE
				INDIVIDUAL HYDRANTS	TOTAL	STATIC	RESID.	NEEDED **	AVAIL.			
1.0		Joslyn Rd 1st hyd n/o Taylor	Auburn Hills DPW, Main	0	0	90	20	750	3900		CNMP	12/04/2017
2.0		Brown Rd 1st hyd e/o Giddings Rd	Auburn Hills DPW, Main	0	0	50	20	3500	5500		CNMP	12/04/2017
3.0		Giddings Rd & Atlantic Blvd	Auburn Hills DPW, Main	0	0	50	20	5000	6000		CNMP	12/04/2017
3.1		Giddings Rd & Atlantic Blvd	Auburn Hills DPW, Main	0	0	50	20	3000	6000		CNMP	12/04/2017
4.0		Lapeer Rd 1st hyd s/o Championship Dr	Auburn Hills DPW, Main	0	0	50	20	3000	3600		CNMP	12/04/2017
5.0		Shimmons Rd & Phillips Rd	Auburn Hills DPW, Main	0	0	50	20	2250	4800		CNMP	12/04/2017
6.0		Blue Heron Dr., S of Winslow Dr	Auburn Hills DPW, Main	0	0	50	20	750	2200		CNMP	12/04/2017
7.0		Patrick Henry Dr 1st hyd n/o Birchfield St	Auburn Hills DPW, Main	0	0	50	20	3000	3000		CNMP	12/04/2017
8.0		Beacon Hill Dr 2nd hyd n/o Walton Blvd	Auburn Hills DPW, Main	0	0	50	20	3500	2000		CNMP	12/04/2017
9.0		Oakland University middle hyd Vandenberg Hall	Auburn Hills DPW, Main	940	0	70	13	4500	900		FTPC	02/01/1993
9.1		Oakland University middle hyd Vandenberg Hall	Auburn Hills DPW, Main	940	0	70	13	2500	900		FTPC	02/01/1993
10.0		Oakland University middle hyd Varner Hall	Auburn Hills DPW, Main	1370	0	84	32	2250	1500		FTPC	02/01/1993
11.0		Cross Creek Pkwy & University Dr	Auburn Hills DPW, Main	0	0	50	20	2500	8000		CNMP	12/04/2017
12.0		Walton Blvd 1st hyd w/o Opdyke Rd	Auburn Hills DPW, Main	0	0	50	20	2250	4400		CNMP	12/04/2017
13.0		Pontiac Rd, 1st hyd w/o I-75	Auburn Hills DPW, Main	0	0	50	20	2500	4200		CNMP	12/04/2017
14.0		University Dr 1st hyd w/o Opdyke Rd	Auburn Hills DPW, Main	0	0	50	20	2250	2500		CNMP	12/04/2017

THE ABOVE LISTED NEEDED FIRE FLOWS ARE FOR PROPERTY INSURANCE PREMIUM CALCULATIONS ONLY AND ARE NOT INTENDED TO PREDICT THE MAXIMUM AMOUNT OF WATER REQUIRED FOR A LARGE SCALE FIRE CONDITION.

THE AVAILABLE FLOWS ONLY INDICATE THE CONDITIONS THAT EXISTED AT THE TIME AND AT THE LOCATION WHERE TESTS WERE WITNESSED.

*Comm = Commercial; Res = Residential.

**Needed is the rate of flow for a specific duration for a full credit condition. Needed Fire Flows greater than 3,500 gpm are not considered in determining the classification of the city when using the Fire Suppression Rating Schedule.

*** (A)-Limited by available hydrants to gpm shown. Available facilities limit flow to gpm shown plus consumption for the needed duration of (B)-2 hours, (C)-3 hours or (D)-4 hours.

HYDRANT FLOW DATA SUMMARY

Community Auburn Hills

County Michigan(Oakland),

State

MICHIGAN
(21)

Witnessed by: Insurance Services Office

Survey Date: September 1, 2022

TEST NO.	TYPE DIST.*	TEST LOCATION	SERVICE	FLOW - GPM			PRESSURE PSI		FLOW -AT 20 PSI		REMARKS***	MODEL TYPE	FLOW TEST DATE
				INDIVIDUAL HYDRANTS	TOTAL		STATIC	RESID.	NEEDED **	AVAIL.			
15.0		Centre Rd 3rd hyd w/o Opdyke Rd	Auburn Hills DPW, Main	0	0	0	50	20	3500	3500		CNMP	12/04/2017
16.0		Doris Rd., 3rd hyd n/o Featherstone Rd	Auburn Hills DPW, Main	0	0	0	50	20	3500	5400		CNMP	12/04/2017
17.0		Featherstone Rd & Doris Rd	Auburn Hills DPW, Main	0	0	0	50	20	3000	8000		CNMP	12/04/2017
18.0		Oakland Community College Parking Lot D	Auburn Hills DPW, Main	1740	0	0	88	39	2500	2100		FTPC	02/01/1993
19.0		West Entrance Dr 2nd hyd n/o Hanlin Rd	Auburn Hills DPW, Main	0	0	0	50	20	3000	3900		CNMP	12/04/2017
20.0		Adams Rd 1st hyd s/o Brimfield Ave	Auburn Hills DPW, Main	0	0	0	50	20	3000	2500		CNMP	12/04/2017
20.1		Adams Rd 1st hyd s/o Brimfield Ave	Auburn Hills DPW, Main	0	0	0	50	20	500	2500		CNMP	12/04/2017
21.0		S Squirrel Rd & Primary St	Auburn Hills DPW, Main	0	0	0	50	20	3000	7300		CNMP	12/04/2017
22.0		Auburn Rd & Rosetta Ct	Auburn Hills DPW, Main	0	0	0	50	20	6000	3900		CNMP	12/04/2017
22.1		Auburn Rd & Rosetta Ct	Auburn Hills DPW, Main	0	0	0	50	20	4500	3900		CNMP	12/04/2017
22.2		Auburn Rd & Rosetta Ct	Auburn Hills DPW, Main	0	0	0	50	20	2250	3900		CNMP	12/04/2017
23.0		Corporate Dr 2nd hyd n/o Auburn Rd	Auburn Hills DPW, Main	0	0	0	50	20	4000	2400		CNMP	12/04/2017
23.1		Corporate Dr 2nd hyd n/o Auburn Rd	Auburn Hills DPW, Main	0	0	0	50	20	3500	2400		CNMP	12/04/2017
24.0		975 S Opdyke rd., 3rd hyd n/o South Blvd	Auburn Hills DPW, Main	0	0	0	50	20	1250	2200		CNMP	12/04/2017
25.0		Old Salem Rd & Jamestown Rd	Auburn Hills DPW, Main	0	0	0	50	20	2250	2000		CNMP	12/04/2017
25.1		Old Salem Rd & Jamestown Rd	Auburn Hills DPW, Main	0	0	0	50	20	1000	2000		CNMP	12/04/2017

THE ABOVE LISTED NEEDED FIRE FLOWS ARE FOR PROPERTY INSURANCE PREMIUM CALCULATIONS ONLY AND ARE NOT INTENDED TO PREDICT THE MAXIMUM AMOUNT OF WATER REQUIRED FOR A LARGE SCALE FIRE CONDITION.

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INSURANCE SERVICES OFFICE, INC.

County	Michigan(Oakland),	State	MICHIGAN
			(21)

Survey Date: September 1, 2022

[illegible]

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CITY OF AUBURN HILLS CITY COUNCIL AGENDA

MEETING DATE: MARCH 6, 2023

AGENDA ITEM NO 7A1

BROWNFIELD REDEVELOPMENT AUTHORITY

“Not Yet Approved”

CITY OF AUBURN HILLS BROWNFIELD REDEVELOPMENT AUTHORITY MEETING

February 21, 2023

CALL TO ORDER: Chairman Slocum called the meeting to order at 6:05 p.m.

ROLL CALL:

Present:	Knight, Slocum, Hopper, and Schaar
Absent:	Douglas
Also Present:	Stephanie Carroll, Economic Development Manager
Guests:	Brian Westhoff and Samantha Seimer, AKT Peerless

LOCATION: Auburn Hills City Hall, Administrative Conference Room-1827 North Squirrel Road, Auburn Hills, MI 48326

PERSONS WISHING TO BE HEARD

Mr. Hopper thanked the Board and shared that he is looking forward to working on Brownfield issues affecting the city.

APPROVAL OF MINUTES

Item 3a. Brownfield Redevelopment Authority Regular Meeting Minutes – October 4, 2022.

Moved by Mr. Knight to approve the October 4, 2022, minutes as presented.

Seconded by Mr. Schaar.

Yes: Knight, Hopper, Slocum and Schaar
No: None

Motion Carried

4. CORRESPONDENCE AND PRESENTATIONS

- A. Mr. Westhoff reviewed the site history of 3180 Auburn Road and went over all of the activities conducted to date on the site. He reviewed the project using photos from the beginning stages and talked about next steps. He reminded the Board that our approved post monitoring plan with the state required 12 months of quarterly testing to determine if we meet closure criteria and can send a closure report to EGLE. EGLE has up to six (6) months from that date to issue the closure letter or request additional information or actions. It was recommended that a Brownfield Plan be put in place so that once a development is ready, the authority can get reimbursement for costs over and above the approved MUSTA reimbursement for the Local Brownfield Revolving Fund (LBRF).
- B. Mr. Westhoff reviewed the third and fourth quarter Galloway Creek sampling results. Of particular interest is the petroleum results at Location C in the third and fourth quarter reports. Location C is located off Opdyke near the Speedway. We continue to see higher concentrations of semi-volatile organic compounds that could be indicative of diesel in the sediments around this location. The surface water is fine, but we should determine the source of the contamination. He noted that this information has been shared with EGLE. The Board felt that it was important to continue monitoring this waterway.

C. Ms. Carroll briefly reviewed the 2022 Annual Report with the Board. It will be placed on the website.

FINANCIAL REPORT

Item 5a. FY 2023 Adopted Budget and YTD Summary -January 31, 2023

Ms. Carroll presented the financial report for the period ending January 31, 2023. She reminded the Board that once we receive our MUSTA reimbursement, the fund balance will increase.

Ms. Carroll reviewed expenses to date related to the 3180 Auburn Road site. Ms. Carroll noted that we will be meeting with Dore & Associates next week to review the final billing. To date, we have paid out approximately \$725,000 to the contractors on the site. With the addition of Young's billing, we can expect to have costs around \$1.2M for this project. Ms. Seimer mentioned that as an option, the Authority could do a Brownfield Plan on the site, when a developer proposes a project on the site to be further reimbursed for costs related to the remediation.

Moved by Mr. Knight to receive and file the Brownfield Redevelopment Authority financial report for period ending January 31, 2023.

Seconded by Mr. Hopper.

Yes: Knight, Hopper, Slocum and Schaar

No: None

Motion Carried

UNFINISHED BUSINESS

Ms. Seimer asked the Board how they felt about a client bringing forth a Brownfield Plan for the former Speedway project at Pacific Drive and Joslyn Road site. It would be a gas station, but not from the original developer. There would not be any upfront dollars, just a traditional reimbursement captured through TIF. Ms. Seimer indicated it would be a short plan, perhaps five to eight years and then the brownfield could still capture for its Local Brownfield Revolving Fund (LBRF). The consensus among the Board is that the developer can bring a project application forward and they would consider it at a future meeting.

NEW BUSINESS

Item 7a. Galloway Creek Assessment Proposal (PF-31628)

Ms. Carroll presented Proposal PF-31628 for quarterly sampling along the Galloway Creek. The same locations will be used for 2023. The proposal also covers project management and laboratory expenses.

Moved by Mr. Knight to authorize the Executive Director to execute proposal PF-31628 from AKT Peerless to perform assessment activities of Galloway Creek in an amount not to exceed \$43,750.00.

Seconded by Mr. Schaar.

Yes: Knight, Hopper, Slocum and Schaar

No: None

Motion Carried

Item 7b. Election of Officers

Chairman Slocum asked for nominations for the position of Chair. Mr. Knight nominated Mr. Slocum for Chair of the BRA. He noted that Mr. Slocum has done an excellent job throughout his time as chair. Nomination was seconded by Mr. Schaar. Ms. Carroll called roll, there were no objections or further nominations.

Yes: Knight, Hopper, Slocum and Schaar

No: None

Motion Carried

Chairman Slocum called for nominations for Vice Chair of the BRA. Mr. Knight nominated Mr. Schaar. Mr. Schaar declined the nomination. No other nominations were made at this time.

DIRECTOR UPDATES

Ms. Carroll noted that the next meeting is scheduled for March 21, 2023, at 6:00 PM.

BOARD MEMBER COMMENTS

Everyone welcomed Mr. Hopper to the board.

Mr. Knight asked about an update regarding the Auburn and Opdyke property. Mr. Westhoff explained that we are working to get either the EPA or EGLE to manage the site. Addressing and managing the site conditions is very challenging since it's right along the Clinton River.

ADJOURNMENT

There being no objections, the Brownfield Redevelopment Authority Board of Directors meeting adjourned at 7:31 p.m.

Respectfully submitted:

Stephanie Carroll

Executive Director



CITY OF AUBURN HILLS

CITY COUNCIL AGENDA

MEETING DATE: MARCH 6, 2023

AGENDA ITEM NO 7B

SENIOR SERVICES

To: Mayor and City Council
From: Thomas A. Tanghe, City Manager; Karen S Adcock, Director of Senior Services
Submitted: February 28, 2023
Subject: Motion – To approve Unique Short Tree Upholstery to reupholster banquet chairs and to amend the General Fund Senior Department increasing appropriations of \$18,885.00.

INTRODUCTION AND HISTORY

The banquet room chairs in Seyburn A & B are the original chairs from when the Community Center opened in 2006. The metal frames of the chairs are in good condition, however the fabric covering the seats and the backs of the chairs have worn down and need to be replaced.

When selecting a commercial fabric, it is important to consider the following: durability, cleaning process, stain and fade resistance and, of course, appearance. For durability, it's important to consider the rub factor. The rub factor is a unit of measurement used to test the durability of a fabric. It is a measure of the abrasion resistance of the fabric, and it's determined by rubbing a piece of fabric back and forth across a testing machine until it shows signs of wear or damage. Essentially, it mimics how many times someone sits down and gets up in a chair. The higher the rub, the better the durability. The fabric selected by staff has a durability of 150,000 Wyzenbeek Rubs, which is considered the right material for heavy duty applications. Cleaning is also important when selecting fabric. The chairs are used frequently, and spills do occur. The most frequently used cleaning product by staff is Dawn soap and water. For major stains, Formula 409 or Fantastic is used per the manufacturer's recommendation. Stain and fade resistance is important as well. The fabric selected is stain and fade resistant. With the chairs in indirect light, this will also keep the fabric looking fresh. The last thing is the appearance of the fabric as the chairs are part of the aesthetics of a room. Selecting a fabric that looks good for both everyday use, and formal occasions is important.

In 2022 staff reached out to several upholstery businesses for quotes. Two companies responded. Gwiz & Gwiz Upholstery of Michigan quoted \$56,250 and Unique Short Tree quoted \$18,969.00. This project was budgeted in 2022, however the project was not completed due to a number of scheduling factors. This year, a new Invitation to Bid (ITB) solicitation was issued on BidNet with desired specifications including type of fabric, timeline and required onsite inspection of the chairs. Two companies submitted a bid, McNalley Office & Upholstery Service from Saginaw for \$38,475.00 and Unique Short Tree Upholstery Design from Rochester Hills for \$18,885.00. Unique Short Tree has provided services for the Community Center before as they recovered the hallway cube chairs, two couches and small meeting room chairs over the last couple of years, and they did a good job.

The schedule includes staggering of the chairs to be reupholstered so we will always have chairs available, and expected completion of all chairs is 5/25/2023.

The 2022 budgeted amount was **\$11,500**, based on quotes received in June 2021. Since the initial 2021 quotes, prices have increased. This is a \$7,385 increase from the original FY 2022 budget. A budget amendment is required to proceed with this project as unspent funds from the previous fiscal year do not automatically carry over.

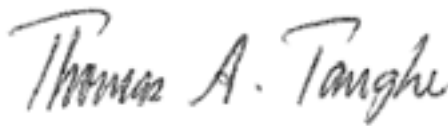
STAFF RECOMMENDATION

Staff recommends amending the 2023 General Fund Seniors Department budget account 101-685-799.000 increasing appropriations by \$18,885. \$11,500 for the upholstery was appropriated in 2022 and was unspent due to scheduling issues. Staff also recommends approving Unique Short Tree bid submission to reupholster Seyburn A & B banquet chairs in the not-to-exceed amount of \$18,885.

MOTION

Move to approve Unique Short Tree Upholstery to reupholster Seyburn A & B banquet chairs for \$18,885.00. Also, move to amend the General Fund Senior Department increasing appropriations of \$18,885.00.

I CONCUR:

A handwritten signature in dark ink, reading "Thomas A. Tanghe". The signature is written in a cursive style with a large, stylized 'T' and 'A'.

THOMAS A. TANGHE, CITY MANAGER



CITY OF AUBURN HILLS CITY COUNCIL AGENDA

MEETING DATE: MARCH 6, 2023

AGENDA ITEM NO 7C

POLICE DEPARTMENT

To: Mayor and City Council
From: Thomas A. Tanghe, City Manager; Ryan Gagnon, Chief of Police
Submitted: March 1, 2023
Subject: Motion – Purchase of Police Patrol Rifles

INTRODUCTION AND HISTORY

The Police Department currently has 35 patrol rifles. There is a patrol rifle assigned to each one of the department's patrol vehicles, each one of the officers assigned to specialized units, and 10 rifles are assigned for training purposes. Seven of the training rifles have exceeded the recommended barrel round count (10,000 rounds) before parts need to be replaced.

It is more cost effective to trade-in the 7 training rifles and purchase new rifles instead of replacing parts. The department currently has 13 Colt AR-15A3 LE6721 rifles, 11 Colt LE6943 rifles, and 11 FN15 rifles. Each one of the department's patrol rifles are equipped with a flashlight and an optic sight.

The Police Department is proposing to add 10 patrol rifles. Purchasing an additional 10 patrol rifles will allow the department to assign rifles to officers in the patrol division. Having rifles individually assigned, allows for the rifle to be zeroed/sighted to the officer which drastically improves accuracy and shot accountability. Individually assigned rifles would eliminate having designated training rifles, which expands the life span of a rifle resulting in a cost savings to the city.

Training staff at the Police Department researched and evaluated several rifles available to law enforcement agencies. The FN15 rifle was selected because the Colt LE6721 rifle and Colt LE6943 are no longer available. The FN15 rifle is lighter and easier to operate in close quarter areas.

On January 10, 2023, an invitation to bid was placed on BidNet Direct for the contract to supply the Police Department with 17 FN15 rifles and accessories. The closing of the bid was February 17, 2023, at 1:00 p.m. at the City of Auburn Hills City Clerk's office. Five (5) vendors responded with sealed bids. They are:

Vendor	Quantity	Price per Unit	Lights/ Parts	Trade-in	Shipping	TOTAL*
AZ Arms	17	\$1,015.00	\$15,538.00	-\$4,550.00	\$0.00	\$28,243.00
ProForce Marketing, Inc.	17	\$1,038.52	\$14,418.38	-\$3,776.50	\$0.00	\$28,296.72
Primary Arms	17	\$1,050.45	\$15,344.03	-\$3,500.00	\$198.25	\$29,899.93
CMP Distributors	17	\$1,135.00	\$17,317.05	-\$2,800.00	\$0.00	\$33,812.05
Kiesler Police Supply	17	\$1,058.50	\$15,851.50	\$0.00	\$0.00	\$33,847.00

\$30,000.00 was approved in the 2023 approved budget to purchase patrol rifles and accessories.

The department's recommendation is to purchase the 17 FN15 patrol rifles and accessories from AZ Arms. On February 28, 2023, the proposal of purchasing 17 FN15 patrol rifles and accessories from AZ Arms was presented to the Public Safety Advisory Committee and they recommend approval.

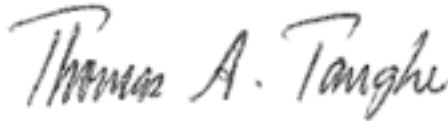
STAFF RECOMMENDATION

Recommend the approval to purchase of 17 FN15 patrol rifles and accessories from AZ Arms.

MOTION

Move to approve the purchase of 17 FN15 patrol rifles and accessories from AZ Arms, at a cost not-to-exceed \$28,243.00 and authorize the City Manager to convey acceptance by purchase order.

I CONCUR:



THOMAS A. TANGHE, CITY MANAGER



CITY OF AUBURN HILLS CITY COUNCIL AGENDA

MEETING DATE: MARCH 6, 2023

AGENDA ITEM NO. 7D.

POLICE DEPARTMENT

To: Mayor and City Council
From: Thomas A. Tanghe, City Manager; Ryan Gagnon, Chief of Police
Submitted: March 1, 2023
Subject: Motion – Purchase of Wireless Routers for Patrol Cars

INTRODUCTION AND HISTORY

As members of CLEMIS (Courts and Law Enforcement Management Information System), the Police Department participates in the system-wide mobile data computer system, which allows officers to access the state, regional, and national criminal justice information systems from their patrol cars. Officers also write police incident reports, electronic crash reports, and electronic citations in the cars, keeping officers out of the station and in the community. These computers use a vehicle-mounted wireless data router to maintain connectivity to the network. The current routers were purchased in 2017 and will reach the end of support from the manufacturer at the end of May 2023. We have experienced several recent failures and have had to replace two.

The Police Department's 2023 approved budget includes \$25,150 for the purchase of the remaining twenty (20) routers. The proposed new Cradlepoint IBR900 Series routers will provide significantly improved reliability and connectivity to the CLEMIS network.

Another benefit of CLEMIS membership is that we can take advantage of group purchasing to reduce costs. There is now over 135 agencies throughout southeast Michigan that are CLEMIS participants, which allows for cooperative bidding to secure excellent pricing. The County of Oakland conducted a bidding process in 2022 for wireless routers. This contract is extended to all local units of government who utilize CLEMIS. CDW-G was awarded the bid for the Cradlepoint IBR900-1200M-B routers at the cost of \$1,200.00 each (\$24,000 for 20). CLEMIS will not support or allow connectivity of any device to the system unless approved by them, thus maintaining system integrity and security.

On February 28, 2023, this proposal to purchase 20 wireless routers was presented to the Public Safety Advisory Committee and they recommend approval.

STAFF RECOMMENDATION

Staff recommends to City Council the approval to purchase twenty (20) Cradlepoint IBR900M-B wireless routers from CDW-G under the Oakland County Bid.

MOTION

Move to recommend the purchase of twenty (20) Cradlepoint IBR900M-B wireless routers from CDW-G under the Oakland County Bid in an amount not to exceed \$24,000.00 and authorize the City Manager to convey acceptance by purchase order.

I CONCUR:

THOMAS A. TANGHE, CITY MANAGER



CITY OF AUBURN HILLS CITY COUNCIL AGENDA

MEETING DATE: MARCH 6, 2023

AGENDA ITEM NO 7E

FIRE DEPARTMENT

To: Mayor and City Council
From: Thomas A. Tanghe, City Manager; Adam Massingill, Fire Chief
Submitted: March 1, 2023
Subject: Motion – Purchase of Cardiac Monitor/Defibrillator for Fire Department

INTRODUCTION AND HISTORY

Cardiac monitors/defibrillators are an integral component in the delivery of medical care for residents and visitors in our community. Monitor/defibrillators are required equipment to meet the advanced life support ambulance regulations set by the State of Michigan. The fire department currently utilizes four (4) LifePak brand cardiac monitor/defibrillators manufactured by Physio-Control to operate our advanced life support program.

One of the devices we currently use has surpassed its life expectancy, is no longer supported by the manufacturer, and needs to be replaced. The life expectancy from a manufacturer is eight (8) years and the American Heart Association recommends a five (5) year life cycle for cardiac monitors. The monitor set to be replaced has been in service for twelve (12) years. There are only three (3) approved suppliers for prehospital cardiac monitor/defibrillators. The LifePak 15 is offered by Physio-Control. Zoll and Phillips also manufacture cardiac monitors. The LifePak was compared to other models based on the following criteria:

- Compatibility with current equipment and platform.
- Compatibility with mutual aid EMS agencies and city owned AEDs.
- Training time needed for new equipment.
- Price point/value added options.
- Preference of staff that will be using the units.

For consistency, standardization, ease of training, and maintenance costs, the preferred purchase option is to stay with the Physio-control product that will match the current devices that the department utilizes. This purchase is a planned, budgeted item for the 2023 budget.

Stryker, the parent company of Physio- Control is the sole source provider of LifePak 15 units. Stryker's sole source verification letter is attached. The department has received a quote from Physio-Control in the amount of \$52,923.78 which includes a five (5) year warranty and accessories. An additional benefit of purchasing from Physio-Control is they offer a trade-in value for the unit being replaced in the amount of \$6,500. This trade-in savings will lower the cost of the unit to \$46,423.78. No budget adjustment is required as the item was budgeted in line item 101-339-978.000 for 2023.

The Public Safety Advisory Committee recommended the item be brought to City Council for review by unanimous vote on February 28, 2023. Lead time for the cardiac monitor/defibrillator is 46 weeks at present.

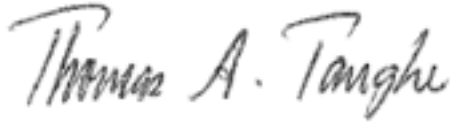
STAFF RECOMMENDATION

Staff recommends the purchase of a LifePak15 cardiac monitor/defibrillator from Physio-Control (Stryker) in the amount of \$46,423.78 which will replace the 12-year-old cardiac monitor/defibrillator.

MOTION

Move to approve the purchase of a Lifepak15 cardiac monitor/defibrillator from Physio-Control (Stryker) in the amount of \$46,423.78, which is budgeted in line item 101-339-978.000.

I CONCUR:

A handwritten signature in dark ink, reading "Thomas A. Tanghe". The signature is written in a cursive, flowing style.

THOMAS A. TANGHE, CITY MANAGER



LP15 V4 and LP1000

Quote Number: 10549258

Remit to: **Stryker Medical**

Version: 1

P.O. Box 93308

Chicago, IL 60673-3308

Prepared For: CITY OF AUBURN HILLS FIR

Rep: Tim Hornak

Attn:

Email: tim.hornak@stryker.com

Phone Number: (231) 578-7801

Quote Date: 02/22/2023

Expiration Date: 05/23/2023

Delivery Address

Name: CITY OF AUBURN HILLS FIR

Account #: 1271306

Address: 1899 N SQUIRREL RD

AUBURN HILLS

Michigan 48326

End User - Shipping - Billing

Name: CITY OF AUBURN HILLS FIR

Account #: 1271306

Address: 1899 N SQUIRREL RD

AUBURN HILLS

Michigan 48326

Bill To Account

Name: CITY OF AUBURN HILLS

Account #: 1265965

Address: 1827 N SQUIRREL RD

AUBURN HILLS

Michigan 48326

Equipment Products:

#	Product	Description	Qty	Sell Price	Total
1.0	99577-001957	LIFEPAK 15 V4 Monitor/Defib - Manual & AED, Trending, Noninvasive Pacing, SpO2, SpCO, NIBP, 12-Lead ECG, EtCO2, BT. Incl at N/C: 2 pr QC Electrodes (11996-000091) & 1 Test Load (21330-001365) per device, 1 Svc Manual CD (26500-003612) per order	1	\$39,429.39	\$39,429.39
2.0	41577-000288	Ship Kit -QUIK-COMBO Therapy Cable; 2 rolls100mm Paper; RC-4, Patient Cable, 4ft.; NIBP Hose, Coiled; NIBP Cuff, Reusable, adult; 12-Lead ECG Cable, 4-Wire Limb Leads, 5ft; 12-Lead ECG Cable, 6-Wire Precordial attachment	1	\$0.00	\$0.00
3.0	11577-000004	Station Battery Charger - For the LP15	1	\$2,098.65	\$2,098.65
4.0	21330-001176	LP 15 Lithium-ion Battery 5.7 amp hrs	1	\$515.10	\$515.10
5.0	11171-000082	Masimo RC Patient Cable - EMS, 4 FT.	1	\$285.60	\$285.60
6.0	11171-000049	Masimo Rainbow DCI Adult Reusable SpO2, SpCO, SpMet Sensor, 3 FT. For use with RC Patient Cable.	1	\$730.15	\$730.15
7.0	11171-000050	Masimo Rainbow DCIP Pediatric Reusable SpO2, SpCO, SpMet Sensor, 3 FT. For use with RC Patient Cable.	1	\$803.25	\$803.25
8.0	21300-008159	LIFEPAK 15 NIBP Straight Hose, 6'	1	\$78.20	\$78.20
9.0	11160-000011	NIBP Cuff-Reusable, Infant	1	\$24.65	\$24.65
10.0	11160-000013	NIBP Cuff-Reusable, Child	1	\$28.05	\$28.05
11.0	11160-000015	NIBP Cuff-Reusable, Adult	1	\$34.00	\$34.00
12.0	11160-000017	NIBP Cuff -Reusable, Large Adult	1	\$39.10	\$39.10
13.0	11160-000019	NIBP Cuff-Reusable, Adult X Large	1	\$55.25	\$55.25



LP15 V4 and LP1000

Quote Number: 10549258

Remit to: **Stryker Medical**

P.O. Box 93308

Chicago, IL 60673-3308

Version: 1

Prepared For: CITY OF AUBURN HILLS FIR

Rep: Tim Hornak

Attn:

Email: tim.hornak@stryker.com

Phone Number: (231) 578-7801

Quote Date: 02/22/2023

Expiration Date: 05/23/2023

#	Product	Description	Qty	Sell Price	Total
14.0	11577-000002	LIFEPAK 15 Basic carry case w/right & left pouches; shoulder strap (11577-000001) included at no additional charge when case ordered with a LIFEPAK 15 device	1	\$367.20	\$367.20
15.0	11220-000028	LIFEPAK 15 Carry case top pouch	1	\$66.30	\$66.30
16.0	11260-000039	LIFEPAK 15 Carry case back pouch	1	\$94.35	\$94.35
Equipment Total:					\$44,649.24

Trade In Credit:

Product	Description	Qty	Credit Ea.	Total Credit
TR-15V1V2-LP15	TRADE-IN-STRYKER LP15V1/V2 TOWARDS PURCHASE OF LIFEPAK 15	1	-\$6,500.00	-\$6,500.00

ProCare Products:

#	Product	Description	Qty	Sell Price	Total
17.0	78000171	LIFENET Asset, per device	1	\$137.00	\$137.00
18.1	78000639	ProCare LIFEPAK 15 Prevent Service: Annual onsite preventive maintenance inspection and unlimited repairs including parts, labor and travel with battery coverage for LIFEPAK 15 V4 Monitor/Defib - Manual & AED, Trending, Noninvasive Pacing, SpO2, SpCO, NIBP, 12-Lead ECG, EtCO2, BT. Incl at N/C: 2 pr QC Electrodes (11996-000091) & 1 Test Load (21330-001365) per device, 1 Svc Manual CD (26500-003612) per order	1	\$7,493.60	\$7,493.60
ProCare Total:					\$7,630.60

Price Totals:

Estimated Sales Tax (0.000%):	\$0.00
Freight/Shipping:	\$643.94
Grand Total:	\$46,423.78

Prices: In effect for 30 days



LP15 V4 and LP1000

Quote Number: 10549258

Version: 1

Prepared For: CITY OF AUBURN HILLS FIR

Attn:

Remit to: **Stryker Medical**

P.O. Box 93308

Chicago, IL 60673-3308

Rep: Tim Hornak

Email: tim.hornak@stryker.com

Phone Number: (231) 578-7801

Quote Date: 02/22/2023

Expiration Date: 05/23/2023

Terms: Net 30 Days

Contact your local Sales Representative for more information about our flexible payment options.

Capital Terms and Conditions:

Deal Consummation: This is a quote and not a commitment. This quote is subject to final credit, pricing, and documentation approval. Legal documentation must be signed before your equipment can be delivered. Documentation will be provided upon completion of our review process and your selection of a payment schedule. Confidentiality Notice: Recipient will not disclose to any third party the terms of this quote or any other information, including any pricing or discounts, offered to be provided by Stryker to Recipient in connection with this quote, without Stryker's prior written approval, except as may be requested by law or by lawful order of any applicable government agency. A copy of Stryker Medical's Acute Care capital terms and conditions can be found at https://techweb.stryker.com/Terms_Conditions/index.html. A copy of Stryker Medical's Emergency Care capital terms and conditions can be found at <https://www.strykeremergencycare.com/terms>.



CITY OF AUBURN HILLS

CITY COUNCIL AGENDA

MEETING DATE: MARCH 6, 2023

AGENDA ITEM NO 7F

DEPARTMENT OF PUBLIC WORKS

To: Mayor and City Council
From: Thomas A. Tanghe, City Manager; Jason Hefner, Manager of Fleet & Roads
Submitted: February 20, 2023
Subject: Motion – Award of design services for the DPW Back Lot Reconstruction

INTRODUCTION AND HISTORY

Several years ago, a parking lot improvement plan began to reconstruct the parking lot and drive of the Department of Public Works. At that time, the main parking lot was reconstructed in asphalt and the first half of the back lot was reconstructed in concrete. The southern half of the back lot, currently asphalt and concrete, is failing due to age and large truck traffic since all the city's bulk materials are stored in that location. The design will include replacement with concrete and some minor storm improvements for added longevity of the surface. Also, a new steel structure will be proposed on the western half of the lot to give protection to the swap-loader boxes that allow some of our salt trucks to be used for alternate purposes (the city currently owns 5 boxes with 5 additional boxes on order). This protection from sunlight and precipitation will help to strengthen the longevity of these boxes.

Budgeted between 2022 and 2023 was/is a total of \$400,000 for design and reconstruction. With the preliminary discussions about the project taking longer than anticipated, only G2s soil borings fee (\$3,500.00) was encumbered from the \$150,000 that was budgeted in 2022, with the remaining amount returning to the fleet fund. A budget amendment will likely be needed for the construction at a later meeting to include the funds not used last year. The OMH scope of design services is for a not-to-exceed amount of \$33,000.00.

STAFF RECOMMENDATION

The DPW staff recommends the approval of the OHM Advisors scope of design services for the DPW Back Lot Reconstruction in the not-to-exceed amount of \$33,000.00 to be paid from the Fleet Fund (661-594-972.000).

MOTION

Move to approval of the OHM Advisors scope of design services for the DPW Back Lot Reconstruction in the not-to-exceed amount of \$33,000.00.

EXHIBITS

- Exhibit 1 – Pictures of Current Conditions
- Exhibit 2 – Visual Map of Reconstruction Area
- Exhibit 3 – OHM Advisors Scope of Engineering Design Services

I CONCUR:

THOMAS A. TANGHE, CITY MANAGER





1500 Brown Rd

332.03

0000.1

14-03-100-027

218.02

200.46

203.79

16.76

177.00

Back Lot Reconstruction

Lean-To Area

February 15, 2023

City of Auburn Hills
1500 Brown Road
Auburn Hills, MI 48326

Attention: **Mr. Steve Baldante**
Director of Public Works

Regarding: **DPW Back Lot Reconstruction**
Scope of Engineering Design Services

Dear Mr. Baldante:

Thank you for this opportunity to provide professional engineering services for the above referenced project. We have prepared the following project understanding and scope of services to be provided by OHM Advisors based on our previous discussions.

PROJECT UNDERSTANDING

It is our understanding that the City of Auburn Hills plans to continue its parking lot improvement planned for the DPW. The front lot and first portion of the back lot were replaced several years ago. The proposed work will address failing asphalt pavement in the southern half of the DPW back lot. New concrete pavement will be placed in lieu of the failed asphalt pavement, and some minor storm sewer improvements will also take place. The project will also include the construction of a new steel structure for additional cold storage of various Roads Division equipment.

SCOPE OF SERVICE

Plan Development and Bidding

Under this task, we will undertake the preparation of construction plans and specifications and advertise the project for bidding. Specific work efforts include:

Task 1 – Project Initiation and Obtain Information

Under this task, we will initiate the project and obtain necessary information to proceed with the design. Specific work efforts include:

- Organize and attend a kickoff meeting with City staff to review project objectives, prepare design criteria, and establish a specific delivery schedule.
- Review existing utility information and record drawings for the project area.
- Perform a site review to identify elements that are sensitive to project, i.e. building entrance locations and other access issues, utility facilities in the area, geometric deficiencies, landscape/aesthetic features and drainage items.
- Obtain specific topographic survey information for the project. Detailed ground topography will be used to determine the proposed pavement grades and that curb/driveways are sloped adequately to ensure proper drainage. Information will also be collected for existing utilities and along building access points to assist



with design efforts.

- Notify known utility agencies of the proposed work and verify locations of existing known utilities, including both public and private, within the project limits for conflicts and coordinate relocations if necessary.
- Coordinate with a Geotechnical Engineer to obtain soil borings and pavement cores within the project area.

Task 2 – Preliminary Plan Development

Under this task, we will undertake the preparation of roadway plans and specifications for the project and apply for the necessary permits. Specific work efforts include:

- Review field information collected to identify any deficient areas in the existing geometrics.
- Prepare typical cross-sections for the project.
- Determine preliminary layout for pavement replacement areas, and road reconstruction sections.
- Coordinate with the Geotechnical Engineer and assist in developing pavement cross-sections for the proposed reconstruction and rehabilitation areas.
- Develop parking lot plans based on comments received from the City on base plans. Plans will be prepared using a scale of 1"=20' (profile scale 1"=4').
- Develop drainage and storm sewer plans in accordance with City standards.
- Prepare technical specifications and method of payment entailing materials, equipment, and labor necessary to perform the work.
- Compute preliminary quantities and prepare a preliminary Engineer's Opinion of Probable Construction Cost.
- Prepare proposed preliminary schedule for work including the construction start, substantial completion, and final completion dates.
- Prepare documents to obtain Oakland County Water Resources Commission (OCWRC) soil erosion permit. If required, a maximum of two (2) submittals will be completed.
- Arrange and attend a meeting with City staff to review the preliminary plans and specifications.

Task 3 – Final Design and Contract Documents

Based on comments received on the preliminary plans, final construction documents will be created and advertised for bidding. Specific work efforts include:

- Finalize design plans based on comments obtained.
- Complete construction details.
- Finalize detailed grading.
- Prepare a bid sheet entailing all items of work and associated quantities.
- Prepare a final engineer's opinion of probable cost.
- Prepare and place an advertisement for bid. The job will be advertised for three (3) weeks with MITA & CAM. An invoice for advertisement, if applicable, will be provided to the Clerk for payment.
- Prepare schedule for proposed work, including construction start, substantial completion, and final completion dates.
- Produce two (2) copies of contract documents for the DPW, if requested.
- Attend and plan one (1) meeting with the City to review contract documents prior to distribution for bid, if requested.
- Attend the bid opening.
- Prepare and evaluate a project bid tab. The bid tab shall include bidding contractors' total project bid and unit price breakdown.
- Check references for the three lowest bidding contractors.
- Provide a recommendation of award.



- OHM will assist in executing the Contract books including the following:
 - i. Create and mail out a Notice of Award letter to the awarded Contractor.
 - ii. Coordinate the execution of six (6) copies of contract book.
 - iii. Produce two (2) executed copies of contract documents for the City. One copy will be delivered to the City Clerk and one copy will be delivered to the DPW.
- If the City Council does not award the contract, then OHM will communicate that information to the appropriate Contractors.

SCHEDULE

The project will commence upon authorization to proceed. It is our understanding that the City desires the project to be constructed before fall of this year. We anticipate that the project could be bid for a presentation to City Council in May. If the project is approved, construction could commence in June. This schedule is based upon an authorization to proceed given by March 6, 2023.

COMPENSATION

The services outlined above will be performed on an hourly basis for the not-to-exceed amount of thirty-three thousand dollars (\$33,000.00). This amount is based on the assumptions listed below. The City will be invoiced for services on a monthly basis.

FURTHER CLARIFICATIONS AND ASSUMPTIONS

The above-listed scope of services was prepared with the following assumptions.

- Presentations to the Planning Commission and City Council will not be required.
- The City will be responsible for all permit application fees and permit fees, if required.
- Geotechnical services have already been authorized by the City under separate agreement with G2.
- The City has pre-selected a vendor for the steel storage structure, which will be incorporated into the project contract. The building contractor will be responsible for preparing sealed drawings for the structure and obtaining all required permits for the construction.
- No permits will be required by EGLE for the storm work.
- OHM will be pleased to provide any additional services for this project on an hourly basis.
- Services not included in this proposal:
 - a. Construction phase services such as, but not limited to, construction management, construction engineering, construction administration, construction observation, and/or construction layout.
 - b. Location of private utilities, other than requesting as-built information from private utility owners.

Should you find this agreement acceptable, please execute both copies and return one copy to us for our files. We look forward to providing professional services on this project. If you have any questions, please contact us.

Sincerely,
OHM Advisors

Timothy J. Juidici, P.E.
Principal

cc: Jason Hefner, Manager of Fleet & Roads
Steve Siklich, OHM
Hannah Driesenga, OHM
File



**City of Auburn Hills
DPW Back Lot Reconstruction**

Accepted By: _____

Printed Name: _____

Title: _____

Date: _____



CITY OF AUBURN HILLS

CITY COUNCIL AGENDA

MEETING DATE: MARCH 6, 2022

AGENDA ITEM NO 7G

DEPARTMENT OF PUBLIC WORKS

To: Mayor and City Council
From: Thomas A. Tanghe, City Manager; Tim Wisser, Manager of Municipal Properties
Submitted: March 1, 2022
Subject: Motion – Approve the Purchase of Two Enclosed Wedge Trailers

INTRODUCTION AND HISTORY

Over the past several years, we have built a highly skilled staff of tradesman at the Department of Public Works. As a result, the skilled DPW staff have been able to save the City of Auburn Hills thousands of dollars performing construction work throughout the city while achieving superior quality that often does not happen when trades are contracted out. Using “In-House” skilled labor, staff have re-routed major electrical service lines to assist in the demo of the Seyburn Mansion, built the large Riverside pavilion, executed a roof replacement project on all of our smaller outbuildings and pavilions, poured numerous concrete pads or walkways, painted many small structures, and most recently designed and built the site for the newest art piece at Riverside Park. Just as important, DPW staff have done all of this and more while still achieving their maintenance goals.

One of the most difficult and time-consuming parts of performing a multitude of different projects is generally the mobilization effort. Each separate project requires different tools or materials that need to be organized, ordered, transported, and set up. Once a particular project is complete the process repeats itself as supplies and tools are transported, stored, and relocated to their respective locations at the DPW. In an effort to minimize the repetitive tasks involved in taking on projects, DPW field staff have recommended the purchase of a construction trailer that would be used to store/transport tools and materials to jobsites throughout the city, ultimately allowing DPW staff to continue their competitive construction estimates using “In-House” labor.

Separate, but related, in 2019 the DPW sold a 24-foot enclosed landscape trailer due to its age and frequent maintenance. This trailer was once used to support DPW staff with our horticulture and landscape maintenance programs. In 2023 the DPW is no longer going to be contracting out these landscape services and intends on executing the programs using Auburn Hills full-time and seasonal staff. DPW staff are recommending the purchase of an enclosed landscape trailer which would be used to transport all the equipment necessary to maintain over 120,000 square feet of the city’s landscape beds. It is also important to note that this trailer would be used to secure and transport election equipment along with transporting event supplies, as well as parade transport vehicles.

DPW staff reached out to three separate vendors to get quotes on what an 18’ enclosed wedge trailer would cost and received ranges from \$12,000-\$17,000. These quotes predicated DPW staff to post a competitive public bid, which was opened at our City Clerks office on February 22, 2023. Although vendors were notified of the bid process, only one bid was received on time. DR Trailer Sales Inc. submitted a bid amount of \$11,997.00 per trailer totaling \$23,994.00 (Exhibit 1).

STAFF RECOMMENDATION

Staff recommends approving the purchase of two enclosed 18' wedge trailers (to be paid from 661-594-977.000) totaling \$23,994.00 from DR Trailer Sales Inc. and amending the 2023 Fleet budget for this same amount.

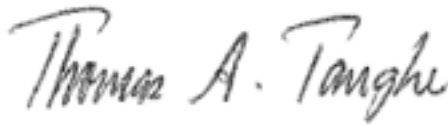
MOTION

Move to approve the purchase of two enclosed 18' wedge trailers for \$23,994 from DR Trailer Sales and amending the 2023 Fleet Budget with an increase in appropriations of \$23,994.

EXHIBITS

Exhibit 1 – DR Trailer Sales Bid

I CONCUR:

A handwritten signature in dark ink, reading "Thomas A. Tanghe". The signature is written in a cursive, flowing style.

THOMAS A. TANGHE, CITY MANAGER



BID ID: ITB-CAH-02-22-2023-001

BID NAME: 2023 Wedge Trailer

ITEM: 2-2023 Wedge Trailer 8.5x18

DUE DATE: Friday, February 17, 2023 at 10:00 AM

IMPORTANT DATES

02/09/23 FRI Bid Posting

02/22/23 FRI Bid Opening

The City of Auburn Hills is seeking bids for the purchase of **TWO** Wedge Trailers 8.5'x18'.

Bids will be accepted by the City Clerk until **Friday, February 17, 2023 at 10:00 AM**. Bids will be opened at that time in the front lobby of the City Clerk at 1827 N. Squirrel.

Bids to receive consideration shall be received prior to the specified time of opening as designated on the bid form. **NO LATE BIDS WILL BE ACCEPTED.** Bids are considered received when received and date stamped by the office of the City Clerk.

PREPARATION OF BID

- Each bidder shall furnish all information required on the bid form. Erasures or other changes must be initialed by the person signing the bid form.
- If there is any doubt as to the meaning of any part of the specifications or other conditions within this invitation, contact Tim Wisser by email/phone at twisser@auburnhills.org / 248-364-6901.

SUBMISSION OF BIDS

- All bids shall be submitted in sealed envelopes and shall include the following information on the face of the envelope:

Bidder's Name
Bidder's Address
Bid Number
Bid Item (Name of Bid)

Failure to do so may result in a premature opening of or failure to open such proposal. All bids must be hand delivered or mailed to:

Auburn Hills City Clerk's Office
1827 N. Squirrel Road
Auburn Hills, MI 48326

- Bidders are responsible for submitting proposals before stated closing time. Delays in the mail will not be considered. Any proposal received after the stated deadline will be rejected.
- Any bid may be withdrawn by giving written notice to the Clerk's Office before stated closing time. After stated closing time, no bid may be withdrawn or cancelled for a period of one hundred and eighty (180) days after said closing time.

The expectation is that the bid winner will furnish all materials and perform all the labor necessary for completion of the project.

The City reserves the right to reject any or all bids or waive any irregularities which it deems in the best interest of the City.

In case of a discrepancy in computing the amount of the bid, the unit price bid will govern.

The bidding contractor is responsible for all costs associated with the research and preparation of their bidding document.

Preparation of Proposal:

Qualified companies are invited to deliver proposals in accordance with the scope of work and specifications.

Contract Award:

The City of Auburn Hills reserves the right to accept or reject any or all bids and to waive any informalities or irregularities in any proposal or the bid process. The competency and responsibility of all bidders shall be taken into consideration in the award of the contract for this work. If bidders are unknown to the City of Auburn Hills, or their competency questioned, it shall be understood that they will, upon request, file with the City of Auburn Hills reliable data and references for investigation. The City may make such investigation as it deems necessary to determine the ability of the bidder to perform the work. The City reserves the right to award the contract to the bidder offering the best value, but not necessarily to the one submitting the lowest price. City may award fewer than the indicated bid items and may award them in any combination deemed in the best interest of the City.

Scope of Services:

The City of Auburn Hills is seeking bids from qualified vendors to supply **TWO** Wedge Trailers including delivery matching the specifications on the BID sheet.

Warranty:

The successful proposer will provide the City with a 3-year warranty on the upfit parts, labor, and all costs associated to the repair not covered under the manufacturer's warranty. Contractor shall warrant that all products/services, repair work performed under this agreement shall be free from defects in craftsmanship, and all manufactured equipment supplied hereunder shall, at the time of installation, be free from defects in material and craftsmanship.

*Our warranty
as follows by
darkhorse*

The successful proposer will promptly correct all work rejected by the City as faulty, defective or failing to conform to this specification, whether observed before or after substantial completion of the work, and whether or not fabricated, installed or completed. The successful proposer will bear all costs of correcting such rejected work and perform such work within the timeline as agreed between the City and the selected proposer.

Payment

Payment will be made as follows:

100% of the bid amount will be paid within 60 days following delivery.

COO/Sigma is fine

Minimum Qualifications:

Bidders will be rejected and deemed non-responsive if they do not meet the following qualifications:

- The bidder must be duly licensed by the appropriate authorities to provide the services required.
- The bidder must provide three business references where similar contracted products/services have been completed.

Hold Harmless/Indemnification Agreement

It is further required that all contractors providing services or performing duties for the City of Auburn Hills and/or its Authorities shall enter into a Hold Harmless/Indemnification Agreement with the City and all other entities, in which Agreement the Contractor and its employees, representatives and agents agrees to release, indemnify, defend, and hold harmless The City of Auburn Hills, including all elected and appointed officials, all employees, representatives, and volunteers, all boards, commissions, and/or authorities, including but not limited to the Tax Increment Finance Authority, Brownfield Redevelopment Authority and the Downtown Development Authority, and their officers, employees, representatives and volunteers from any injuries, liability, damages, expenses, attorney's fees, causes of action, suits, claims or judgments, costs, incurred and/or arising from the Contractor's performing its work, jobs, duties and/or any other actions and/or omissions of the Contractor and/or its employees, representatives and/or agents pertaining to and/or in connection with the Activity.



**2023 2500 Series Wedge Trailer
ITB-CAH-02-22-2023-001
Proposal Form**

The undersigned does hereby submit a bid to the City of Auburn Hills for the complete installation of the equipment and services described in the scope of work.

To furnish and perform all labor, materials, necessary tools, expendable equipment preparation, cleanup, and transportation services to provide complete service as described in the bid documents, the sum of:

STEEL TRAILERS	Qty	Price
2500 Series Wedge Trailer	1	
HEIGHT OPTIONS		
12" Extra Height - 90" Interior Height	18	
AXLE OPTIONS		
5200 Spring Break Axle	2	
TIRE AND WHEEL		
ST225/75R15 LRD Radial Tires on Silver Mods	4	
HITCH OPTIONS		
2-5/16 Coupler	1	
3rd Member Tongue	1	
FRAME OPTIONS		
2x6 Frame	1	
18" Wedge	1	
Cobra Lined Tongue and Bumpers	1	
z-Tech Undercoating	1	
16" On Center Floor	1	
Built in Step	1	
16" On Center Walls	1	
24" On Center Roof - Tube	1	
INTERIOR OPTIONS		
3/4" Floor	1	
3/8" Walls	1	
D - Rings (Quantity 4)	1	
ELECTRICAL OPTIONS		
LED Dome Lights	1	
7 Way Plug w/backup Tail - Breakaway Battery, Box, Switch, Plug Holder	1	

Electric Breaks	1	
EXTERIOR OPTIONS		
.030 Exterior Metal	1	
Color - White	1	
1 Piece Aluminum Roof	1	
24" .045 Stoneguard	1	
.045 ATP on Nose	1	
1-1/2" Trim Around Tongue	1	
3" Exterior Top	1	
3" Exterior Bottom Trim	1	
Smooth Fenders	1	
Flow Thru Vents	1	
DOOR AND WINDOW		
36"X72" RV Side Door	1	
Aluminum Snap Latch Door Hold Backs	1	
Beaver Tail Ramp Door with Flap - 84" Height Clearance	1	
Trailer #1	\$	11997.00
Trailer #2	\$	11997.00
Grand Total:	\$	23994.00

Specify an approximate timetable for the work described:

3 to 4 weeks

☒ References for 3 projects similar in scope are attached to the proposal form

List information that would demonstrate to the City that your firm is experienced and highly qualified to perform the services described in this bid:

Many years providing trailers to City entities and municipalities.



Respectfully Submitted By,

Company:

DR Trailer Sales Inc.
14177 Plank Rd.
Milan, MI 48160
734-439-1441

Address:

Telephone:

Fax: 734-439-1415

Email: jarret@drtrailer.net


Authorized Signature

Sales
Title

Jarret Buchholz
Printed Name

2/14/23
Date



PLATE NO. _____

Trailer #1

MAKE Darkhorse

DATE MAILED: 2/14/23

MODEL: Wedge Trailer

DELIVERY DATE: _____

SIZE: 8.5 x 18

ORDER DATE: _____

GVW: 10K (5200 lbs axles)

NAME: City of Auburn Hills

COLOR: White

ADDRESS: 1827 N Squirrel Rd

FEATURES: * See Attached *

CITY: Auburn Hills

- 90" interior height

STATE: MI ZIP: 48326

- 16" on center walls & floor

PHONE: 248-292-1917 (Pat)

PHONE: _____

EMAIL: _____

COUNTY: _____

D/L #: _____

BIRTH DATE: _____

SALE PRICE: \$11,899

STOCK No.: _____

TAX: Ø

VIN #: _____

LICENSE: Ø

WEIGHT: _____

TITLE: 39"

ALL SPECIAL ORDERS NON REFUNDABLE

ALL USED TRAILERS SOLD AS IS

SERVICE FEE: 59"

ALL SALES FINAL

TOTAL: \$11,997"

CUSTOMER SIGNATURE: _____

DEPOSIT: _____

SELLER SIGNATURE: Jarret (419-944-5959)

BALANCE: _____

Buyer DR Trailer Sales - Milan DR Trailer Sales 14177 Plank Rd. Milan, MI 48160 () - F: () - CONTACT: DR Trailer Sales		Trailer # 1 DR01		Page 1 of 2
Ship To Location 14177 Plank Rd. Milan MI, 48160 County: Monroe		Sales Coordinator Dennis Smith	Sales Representative Dennis Smith	Proposal Date 01/27/2023 Retail CustomerID 1525JARRET-1-27-23 Req Delivery Date Serial Number

UNIT SPECIFICATIONS

Model Name: DHW8.5X18TA52 - Darkhorse Wedge Trailer

Description

Steel Trailers

2500 Series

1 EA

Height Options

12" Extra Height (7.5/8.5W) - 90" Interior Height

18 LF

Axle Options

5200lb Spring Brake Axle Config # 371808

2 EA

Tire & Wheel Options

ST225/75R15 LRD Radial Tires on Silver Mods

4 EA

Hitch Options

2-5/16in Coupler

1 EA

3rd Member Tongue

1 EA

Frame Options

2x6 Main Frame

1 EA

18in Wedge

1 EA

Cobra Lined Tongues and Bumpers

1 EA

Z-Tech Undercoating

1 EA

16in On Center Floor

1 EA

Built In Step

1 EA

16in On Center Walls - Hat Post (PKG)

1 EA

24in On Center Roof - Tube

1 EA

Interior Options

3/4in High Performance Floor

1 EA

3/8in Plywood Walls

1 EA

D Rings (Qty 4) 2 - 1 ft from Rear 2 - 16ft from Rear (40in apart)

1 EA

12-Volt Electrical Options

(2)12V LED Dome Lights w/Switch C/S Door

1 EA

7 Way Plug with Backup Tail - Breakaway Battery, Box, Switch and Plug Holder

1 EA

CONFIRMATION

Buyer DR Trailer Sales - Milan DR Trailer Sales 14177 Plank Rd. Milan, MI 48160 () - F: () - CONTACT: DR Trailer Sales		Page 2 of 2	
TRAILER #1 DR01		Proposal Date 01/27/2023	
		Retail CustomerID 1525JARRET-1-27-23	
		Req Delivery Date	
Ship To Location 14177 Plank Rd. Milan MI, 48160 County: Monroe		Serial Number	
Sales Coordinator Dennis Smith		Sales Representative Dennis Smith	

UNIT SPECIFICATIONS

Model Name: DHW8.5X18TA52 - Darkhorse Wedge Trailer

Description

Exterior Options

.030 Exterior Metal	1 EA
Color - White	1 EA
Semi-Screwless (Color Matching Screws on Seams)	1 EA
1 pc. Aluminum Roof	1 EA
24in .045 Stoneguard	1 EA
.045 ATP on Nose	1 EA
1-1/2in Trim around Tongue	1 EA
3in Exterior Top Trim	1 EA
3in Exterior Bottom Trim	1 EA
Smooth Fenders	1 EA
Flow-thru Vents - RS Front High/CS Rear Low	1 EA

Door & Window Options

36in x 72in RV Side Door	1 EA
Aluminum Snap Latch Door Hold Backs	1 EA
Beavertail Ramp Door with Flap (PKG)	1 EA

Packages

2500 Series Package (8.5W)	1 EA
Standard Ramp Door Package - 2500 Series (8.5 Wides)	1 EA

\$11,899

PLATE NO. _____

Trailer #2

MAKE: Darkhorse

DATE MAILED: 2/14/23

MODEL: Wedge Trailer

DELIVERY DATE: _____

SIZE: 8.5 x 18

ORDER DATE: _____

GVW: 10K (5200 lbs axles)

NAME: City of Auburn Hills

COLOR: white

ADDRESS: 1827 N Squirrel Rd

FEATURES: * See Attached *

CITY: Auburn Hills

- 90" interior height

STATE: MI ZIP: 48326

- 16" on center walls? floor

PHONE: 248-292-1917 (Pat)

PHONE: _____

EMAIL: _____

COUNTY: _____

D/L #: _____

BIRTH DATE: _____

STOCK NO.: _____

VIN #: _____

WEIGHT: _____

SALE PRICE: \$11,899

TAX: Ø

LICENSE: Ø

TITLE: 39"

SERVICE FEE: 59"

TOTAL: \$11,997.00

DEPOSIT: _____

BALANCE: _____

ALL SPECIAL ORDERS NON REFUNDABLE
ALL USED TRAILERS SOLD AS IS
ALL SALES FINAL

CUSTOMER SIGNATURE: _____

SELLER SIGNATURE: Jarret (418-944-5959)

Buyer DR Trailer Sales - Milan DR Trailer Sales 14177 Plank Rd. Milan, MI 48160 () - F: () - CONTACT: DR Trailer Sales		Page 1 of 2	
Trailer # 2		Proposal Date 01/27/2023	
DR01		Retail CustomerID 1525JARRET-1-27-23	
Ship To Location 14177 Plank Rd. Milan MI, 48160 County: Monroe		Req Delivery Date	
Sales Coordinator Dennis Smith		Sales Representative Dennis Smith	
Serial Number		Serial Number	

UNIT SPECIFICATIONS

Model Name: DHW8.5X18TA52 - Darkhorse Wedge Trailer

Description

Steel Trailers

2500 Series

1 EA

Height Options

12" Extra Height (7.5/8.5W) - 90" Interior Height

18 LF

Axle Options

5200lb Spring Brake Axle Config # 371808

2 EA

Tire & Wheel Options

ST225/75R15 LRD Radial Tires on Silver Mods

4 EA

Hitch Options

2-5/16in Coupler

1 EA

3rd Member Tongue

1 EA

Frame Options

2x6 Main Frame

1 EA

18in Wedge

1 EA

Cobra Lined Tongues and Bumpers

1 EA

Z-Tech Undercoating

1 EA

16in On Center Floor

1 EA

Built In Step

1 EA

16in On Center Walls - Hat Post (PKG)

1 EA

24in On Center Roof - Tube

1 EA

Interior Options

3/4in High Performance Floor

1 EA

3/8in Plywood Walls

1 EA

D Rings (Qty 4) 2 - 1 ft from Rear 2 - 16ft from Rear (40in apart)

1 EA

12-Volt Electrical Options

(2)12V LED Dome Lights w/Switch C/S Door

1 EA

7 Way Plug with Backup Tail - Breakaway Battery, Box, Switch and Plug Holder

1 EA

CONFIRMATION

Buyer DR Trailer Sales - Milan DR Trailer Sales 14177 Plank Rd. Milan, MI 48160 () - F: () - CONTACT: DR Trailer Sales		Page 2 of 2 Proposal Date 01/27/2023 Retail Customer ID 1525JARRET-1-27-23 Req Delivery Date	
Ship To Location 14177 Plank Rd. Milan MI, 48160 County: Monroee		Serial Number	
Sales Coordinator Dennis Smith		Sales Representative Dennis Smith	

Trailer #2

DR01

UNIT SPECIFICATIONS

Model Name: DHW8.5X18TA52 - Darkhorse Wedge Trailer

Description

Exterior Options

.030 Exterior Metal	1 EA
Color - White	1 EA
Semi-Screwless (Color Matching Screws on Seams)	1 EA
1 pc. Aluminum Roof	1 EA
24in .045 Stoneguard	1 EA
.045 ATP on Nose	1 EA
1-1/2in Trim around Tongue	1 EA
3in Exterior Top Trim	1 EA
3in Exterior Bottom Trim	1 EA
Smooth Fenders	1 EA
Flow-thru Vents - RS Front High/CS Rear Low	1 EA

Door & Window Options

36in x 72in RV Side Door	1 EA
Aluminum Snap Latch Door Hold Backs	1 EA
Beavertail Ramp Door with Flap (PKG)	1 EA

Packages

2500 Series Package (8.5W)	1 EA
Standard Ramp Door Package - 2500 Series (8.5 Wides)	1 EA

\$11,899

CONFIRMATION

DR Trailer Sales

14177 Plank Road - Milan, MI 48160

Phone: 734-439-1441

Purchase Date: 01/24/23

Salesperson: Jarret Buchholz

Cash Disclosure

Phone: 734-439-1441

Fax: 734-439-1415

Buyer:

CITY OF HOWELL
611 East Grand River Avenue
Howell, MI 48843
Work: 517-546-4500

Co-Buyer:

Purchased Vehicle

Stock #	Vehicle	Color	Miles	VIN
34022	2023 PJ 18 RG 7K	BLK	0	3CV1U2229P2

Purchases & Fees

Selling Price	Selling Price	
Fees	Documentation	
	CVR Fee	
	Certificate of Title	
Taxes	Tax 1	\$0.00
	Total Cash Price	

Monies Received

Trades	Total Trade Allowance	\$0.00
	Total Trade Payoff	\$0.00
	Total Trade Net	\$0.00
Down Payment	Cash Deposit	\$0.00
	Cash Down Payment	
	Deferred Cash	\$0.00
	Total Credits	
	Total Cash Price	
	Total Credits (-)	
	Balance Due	\$0.00

Reference
Delivered

ALL SPECIAL ORDERS NON REFUNDABLE

ALL USED TRAILERS SOLD AS IS

ALL SALES FINAL

Customer Signature: _____

DR Trailer Sales

14177 Plank Road - Milan, MI 48160

Phone: 734-439-1441

Purchase Date: 01/24/23

Salesperson: Brian Crow

Cash Disclosure

Phone: 734-439-1441

Fax: 734-439-1415

Buyer:CITY OF LUDINGTON
975 1st Street
Ludington, MI 49431**Co-Buyer:****Purchased Vehicle**

<u>Stock #</u>	<u>Vehicle</u>	<u>Color</u>	<u>Miles</u>	<u>VIN</u>
36150	2023 PJ 14 DG 14K	BLK	0	4P51D192XP1

Purchases & Fees

Selling Price	Selling Price	\$
Front Adds	Tarp Kit	
Fees	Documentation	
Taxes	Tax 1	\$0.00
Total Cash Price		

Monies Received

Trades	Total Trade Allowance	\$0.00
	Total Trade Payoff	\$0.00
	Total Trade Net	\$0.00
Down Payment	Cash Deposit	\$0.00
	Cash Down Payment	
	Deferred Cash	\$0.00
	Total Credits	
	Total Cash Price	
	Total Credits (-)	
	Balance Due	\$0.00

Reference
Delivered

ALL SPECIAL ORDERS NON REFUNDABLE

ALL USED TRAILERS SOLD AS IS

ALL SALES FINAL

Customer Signature: _____

DR Trailer Sales

14177 Plank Road - Milan, MI 48160

Phone: 734-439-1441

Purchase Date: 12/19/22

Salesperson: Myles Beverly

Cash Disclosure

Phone: 734-439-1441

Fax: 734-439-1415

Buyer:

City of Eastpointe
23200 Gratiot Avenue
Eastpointe, MI 48021
Work: 313-402-5073

Co-Buyer:**Purchased Vehicle**

<u>Stock #</u>	<u>Vehicle</u>	<u>Color</u>	<u>Miles</u>	<u>VIN</u>
36247	2023 PJ 25 SOLD	BLK	0	4P52F3228P1

Purchases & Fees

Selling Price	Selling Price	
Front Adds	Delivery	
Fees	Documentation	
	CVR Fee	
	Certificate of Title	
Taxes	Tax 1	\$0.00
Total Cash Price		

Monies Received

Trades	Total Trade Allowance	\$0.00
	Total Trade Payoff	\$0.00
	Total Trade Net	\$0.00
Down Payment	Cash Deposit	\$0.00
	Cash Down Payment	\$0.00
	Deferred Cash	\$0.00
	Total Credits	\$0.00
	Total Cash Price	
	Total Credits (-)	\$0.00
	Balance Due	

Reference
Delivered

ALL SPECIAL ORDERS NON REFUNDABLE

ALL USED TRAILERS SOLD AS IS

ALL SALES FINAL

Customer Signature: _____



PRODUCTION DOCUMENT -

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Date/Time Printed: 1/12/2023 11:42:30AM

Unless otherwise noted on this document, home will be built to Standard Specifications

Buyer DR Trailer Sales - Milan DR Trailer Sales 14177 Plank Rd. Milan, MI 48160 () - F: () - CONTACT: DR Trailer Sales		Page 1 of 2
DR01		Proposal Date 01/12/2023
		Retail Customer ID 1480JARRET7.5X18
		Req Delivery Date
Ship To Location 14177 Plank Rd. Milan MI, 48160 County: Monroe	Sales Coordinator Dennis Smith	Serial Number
	Sales Representative Dennis Smith	

UNIT SPECIFICATIONS

Model Name: DHW7.5X18TA52 - Darkhorse Wedge Trailer

Description

Steel Trailers	
1500 Series	1 EA
Height Options	
6" Extra Height (7.5/8.5W) - 84" Interior Height	18 LF
Axle Options	
5200lb Spring Brake Axle Config # 371808	2 EA
Tire & Wheel Options	
ST225/75R15 LRD Radial Tires on Silver Mods	4 EA
Hitch Options	
2-5/16in Coupler	1 EA
3rd Member Tongue	1 EA
Frame Options	
2x6 Main Frame	1 EA
18in Wedge	1 EA
Cobra Lined Tongues and Bumpers	1 EA
Z-Tech Undercoating	1 EA
24in On Center Floor	1 EA
24in On Center Roof - Tube	1 EA
24in On Center Walls - Z Post	1 EA
Interior Options	
3/4in High Performance Floor	1 EA
6mm Plywood Walls	1 EA
D Rings (Qty 4) - 1 In Each Corner - 6in from Each Wall, 6in from Rear, 6in from Front Crossmember(PKG)	1 EA
12 Volt Electrical Options	
12V LED Dome Light Mounted Beside C/S Door	1 EA
7 Way Plug with Backup Tail - Breakaway Battery, Box, Switch and Plug Holder	1 EA
Exterior Options	

CONFIRMATION



PRODUCTION DOCUMENT -

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Date/Time Printed: 1/12/2023 11:42:30AM

Unless otherwise noted on this document, home will be built to Standard Specifications

Buyer DR Trailer Sales - Milan DR Trailer Sales 14177 Plank Rd. Milan, MI 48160 () - F: () - CONTACT: DR Trailer Sales		Page 2 of 2
DR01		Proposal Date 01/12/2023
		Retail CustomerID 1480JARRET7.5X18
		Req Delivery Date
Ship To Location 14177 Plank Rd. Milan MI, 48160 County: Monroe	Sales Coordinator Dennis Smith	Serial Number
	Sales Representative Dennis Smith	

UNIT SPECIFICATIONS

Model Name: DHW7.5X18TA52 - Darkhorse Wedge Trailer

Description

.030 Exterior Metal	1 EA
Color - White	1 EA
Screwed Sides	1 EA
24in Vapor Barrier	1 EA
1 pc. Aluminum Roof	1 EA
24in .045 Stoneguard	1 EA
.045 ATP on Nose	1 EA
1-1/2in Exterior Bottom Trim	1 EA
1-1/2in Trim around Tongue	1 EA
3in Exterior Top Trim	1 EA
Smooth Fenders	1 EA
Flow-thru Vents - RS Front High/CS Rear Low	1 EA
Door & Window Options	
36in x 78in RV Side Door	1 EA
Plastic Door Hold Backs	1 EA
Beavertail Ramp Door with Flap (PKG)	1 EA
Packages	
Standard Ramp Door Package - 1500 Series (7.5 Wides)	1 EA

\$9,999

4 weeks

CONFIRMATION



PRODUCTION DOCUMENT -

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Date/Time Printed: 1/12/2023 10:28:35AM

Unless otherwise noted on this document, home will be built to Standard Specifications

Buyer DR Trailer Sales - Milan DR Trailer Sales 14177 Plank Rd. Milan, MI 48160 () - F: () - CONTACT: DR Trailer Sales		Page 1 of 2	Proposal Date 01/12/2023
DR01		Retail CustomerID 1479JARRET-1-12-23	
		Req Delivery Date	
Ship To Location 14177 Plank Rd. Milan MI, 48160 County: Monroe	Sales Coordinator Dennis Smith	Sales Representative Dennis Smith	Serial Number

UNIT SPECIFICATIONS

Model Name: DHW8.5X20TA52 - Darkhorse Wedge Trailer

Description

Steel Trailers	
2500 Series	1 EA
Height Options	
12" Extra Height (7.5/8.5W) - 90" Interior Height	20 LF
Axle Options	
5200lb Spring Brake Axle Config # 371808	2 EA
Tire & Wheel Options	
ST225/75R15 LRD Radial Tires on Silver Mods	4 EA
Hitch Options	
2-5/16in Coupler	1 EA
3rd Member Tongue	1 EA
Frame Options	
2x6 Main Frame	1 EA
18in Wedge	1 EA
Cobra Lined Tongues and Bumpers	1 EA
Z-Tech Undercoating	1 EA
16in On Center Floor	1 EA
Built In Step	1 EA
16in On Center Walls - Hat Post (PKG)	1 EA
24in On Center Roof - Tube	1 EA
Interior Options	
3/4in High Performance Floor	1 EA
3/8in Plywood Walls	1 EA
D Rings (Qty 4) 2 - 1 ft from Rear 2 - 18ft from Rear (40in apart)	1 EA
12-Volt Electrical Options	
(2)12V LED Dome Lights w/Switch C/S Door	1 EA
7 Way Plug with Backup Tail - Breakaway Battery, Box, Switch and Plug Holder	1 EA

CONFIRMATION



PRODUCTION DOCUMENT -

0

Date/Time Printed: 1/12/2023 10:28:35AM

Unless otherwise noted on this document, home will be built to Standard Specifications

Buyer DR Trailer Sales - Milan DR Trailer Sales 14177 Plank Rd. Milan, MI 48160 () - F: () - CONTACT: DR Trailer Sales		Page 2 of 2
DR01		Proposal Date 01/12/2023
		Retail Customer ID 1479JARRET-1-12-23
		Req Delivery Date
Ship To Location 14177 Plank Rd. Milan MI, 48160 County: Monroe	Sales Coordinator Dennis Smith	Serial Number
	Sales Representative Dennis Smith	

UNIT SPECIFICATIONS

Model Name: DHW8.5X20TA52 - Darkhorse Wedge Trailer

Description

Exterior Options	
.030 Exterior Metal	1 EA
Color - White	1 EA
Semi-Screwless (Color Matching Screws on Seams)	1 EA
1 pc. Aluminum Roof	1 EA
24in .045 Stoneguard	1 EA
.045 ATP on Nose	1 EA
1-1/2in Trim around Tongue	1 EA
3in Exterior Top Trim	1 EA
3in Exterior Bottom Trim	1 EA
Smooth Fenders	1 EA
Flow-thru Vents - RS Front High/CS Rear Low	1 EA
Door & Window Options	
36in x 78in RV Side Door	1 EA
Aluminum Snap Latch Door Hold Backs	1 EA
Beavertail Ramp Door with Flap (PKG)	1 EA
Packages	
2500 Series Package (8.5W)	1 EA
Standard Ramp Door Package - 2500 Series (8.5 Wides)	1 EA

\$11,799

4 weeks out

CONFIRMATION

Wisser, Tim

From: Sawyers, Patrick
Sent: Thursday, January 19, 2023 10:21 AM
To: Wisser, Tim
Subject: Fwd: trailer quote

Sent from my Verizon, Samsung Galaxy smartphone
Get [Outlook for Android](#)

From: Gene Dunsmore <gene@beckstrailerstore.com>
Sent: Thursday, January 19, 2023 9:56:07 AM
To: Sawyers, Patrick <psawyers@auburnhills.org>
Subject: trailer quote

You don't often get email from gene@beckstrailerstore.com. [Learn why this is important](#)

Hi Pat,
Here is the quote for the trailers we discussed
7x21 Legend FTV (18ft box plus V)
White exterior
All aluminum frame
Standard engineered wood floor and walls (unfinished ceiling)
16in on center cross members walls, floors and ceiling
6" main frame
5200lb torsion axles
Aluminum wheels
225/75R-15 tires (10ply)
6'6" interior height
\$16,505.00
Approximate build time is 4 months
Please let me know if I can help you
Thanks Pat

Gene D
Gene@beckstrailerstore.com
Direct: 989-227-7214
Cell: 989-640-8951



CITY OF AUBURN HILLS CITY COUNCIL AGENDA

MEETING DATE: MARCH 6, 2023

AGENDA ITEM NO 9A

FIRE DEPARTMENT

To: Mayor and City Council
From: Thomas A. Tanghe, City Manager; Adam Massingill, Fire Chief
Submitted: March 1, 2023
Subject: Motion – 2023 Purchase of Rosenbauer 78’ Quint Fire Apparatus

INTRODUCTION AND HISTORY

The Fire Department has continued to implement a fleet replacement plan for fire and emergency medical service apparatus. The purpose of this plan is to ensure effective service delivery to the community by maintaining a reliable fleet of vehicles to meet current and future needs. The department fire suppression response model consists of three (3) quint fire apparatus and two (2) fire engines strategically placed within the city’s three stations. Station 1 serving downtown Auburn Hills relies on a 1997 Quint apparatus which has reached the expected service life recommendation for fire apparatus and should be replaced.

The most effective apparatus with which to respond to fires within our city is a multi-function Quint fire apparatus based on our service delivery model. Quint fire apparatus are appropriately named as they can perform multiple simultaneous functions during an initial fire attack. Quint apparatus can function as a fire engine for initial fire attack due to a water tank, high gallon-per-minute fire pump, and adequate attack hose lines. Quint apparatus are also equipped with an aerial waterway for high-volume elevated fire attack. The Quint apparatus is designed for fire hose storage that allows it to enhance water supply for sustained operations and carries a full complement of ground ladders. Quint apparatus are also designed to carry rescue and extrication equipment for vehicle accidents and rescues.

The department’s normal staffing model deploys two firefighters from each station with the first responding fire apparatus for fires and other emergencies, excluding medical emergencies. Ensuring the first arriving fire apparatus at fire scenes is appropriately placed and capable of functioning in multiple roles is essential to successfully mitigating emergencies. The most effective way to ensure that appropriate apparatus arrives on scene is by utilizing the multi-function Quint apparatus.

In 2022 the department received a Rosenbauer 78’ Quint apparatus which replaced another 1997 Quint apparatus. The Rosenbauer 78’ Quint was placed in service mid-summer and functions in the same role as described above. An Apparatus Committee was formed at that time to develop specifications for replacing the last 1997 Quint apparatus.

Apparatus Committee Members met with representatives from various fire apparatus manufacturers, toured manufacturing facilities, and reviewed specifications for more than four different brands. The Committee determined that the Rosenbauer specifications outperformed competitors and would best serve the residents of the community.

While developing final specifications, Apparatus Committee Members solicited feedback from suppression personnel on the performance of the newly delivered 2022 Quint. While nearly identical to the 2022 Quint, the 2023 specification made slight design changes aimed at increasing department effectiveness. Attached is a letter or recommendation from the apparatus committee.

The department received a proposal through the Sourcewell Government Cooperative Purchasing Program, which the city and specifically the DPW has utilized for multiple vehicle and equipment purchases in the past. The Sourcewell Purchasing Program manages solicitation requirements and offers a network of awarded contracts for capital purchases such as the Rosenbauer Quint Fire Apparatus being requested.

It should be noted that Rosenbauer has advised of a March 2023 price increase expected to exceed 7%, and various other manufacturers are also providing notifications of spring price increases. Staff believes that utilizing the Sourcewell Purchasing Program will provide the lowest cost for the most appropriate apparatus. Staff further shares concern that delays in ordering apparatus beyond the March 10, 2023, pricing date will increase the overall cost of the next apparatus by at least 7% or \$99,732.

If approved, the expected delivery of the apparatus will be within 605 days after signed production document. Production documents should be executed in April 2023. Apparatus delivery would be expected in 2025 based on current market and supply chain conditions.

The proposal was reviewed by the Public Safety Advisory Committee on February 28, 2023. By unanimous vote, PSAC recommended the purchase request be placed on the City Council Agenda for consideration.

STAFF RECOMMENDATION

Staff recommends the purchase of a 2023 Rosenbauer 78' Quint Fire Apparatus from Emergency Vehicles Plus based on the Sourcewell Government Purchasing Program at a cost of \$1,424,750 with an additional \$3,950 for decal work.

Staff will also issue a purchase order in 2023 requiring an amendment to the 2023 Fleet budget to reflect encumbered funds. The purchase order will be rolled into subsequent years until the asset is received by the City. Thus, a budget amendment will be made to subsequent years rolling forward the 2023 appropriations until the asset is received and payment is due.

Finance Staff recommends declining any pre-payment options based on market conditions, instead opting for full payment at time of delivery in 2025. The apparatus will be appropriated in the Vehicle Fleet line-item number 661.594.981.000.

MOTION

Move to approve the purchase of a 2023 Rosenbauer 78' Quint Fire Apparatus from Emergency Vehicles Plus based on the Sourcewell Government Purchasing Program at a cost of \$1,424,750 with an additional \$3,950 for decal work. Further, move to approve an increase to the 2023 Fleet Fund appropriations for \$1,428,700.

I CONCUR:



THOMAS A. TANGHE, CITY MANAGER



February 2, 2023

City of Auburn Hills
Auburn Hills Fire Department
1827 Squirrel Rd
Auburn Hills, MI. 48326

City of Auburn Hills,

On behalf of Rosenbauer America and Emergency Vehicles Plus, we would like to thank you for the opportunity to provide pricing on your apparatus needs. Enclosed you will find a complete set of specifications on a 78' Rosenbauer Viper Aerial.

Price of this unit is **\$1,424,750.00**. This pricing includes pre-construction meeting, mid inspection, and final inspection for the truck community that will be held at Rosenbauer South Dakota.

The above pricing is valid till March 10th, 2023.

Options for pre-pay discounts:	Amt. Due Within 10 Days:
100% 53,100.00 = 1,424,750.00	\$1,371,650.00
75% 42,900.00 = 1,381,850.00	\$1,036,387.00 Balance on Delivery
50 % 34,100.00 = 1,390,650.00	\$695,325.00 Balance on Delivery

If you choose a pre-pay option, it must be paid within 10 days of contract signing or Purchaser Order. Any balance due must be paid at time of apparatus delivery.

Delivery will be within 605 days after signed production documents.

Due to the current condition in the country with COVID-19 VIRUS, Rosenbauer and or their suppliers will NOT be responsible for delays that would interfere with a timely delivery.

Emergency Vehicles Plus is a fully dedicated fire and emergency sales and service facility.

If you have any questions, please contact me at (734)439-1218.

Sincerely,

Bob Colter
Apparatus Consultant

12114 Saline-Milan Rd. Milan, MI 48160
734-439-1218 / 734-439-1280 Fax

February 6, 2023

Auburn Hills Fire Department
1899 Squirrel Rd.
Auburn Hills, MI 48326

Attn: Asst. Fire Chief Trevin Robinson

Good day – please accept the following quote for applying graphics to your future ladder truck that we have been discussing. The lettering and striping material will be a combination of both reflective and non-reflective 3M and FDC vinyl – all high performance 9 year material – and will be laid on the sides, front end and the rear of the vehicle. The black and gold in the striping will be reflective, the lettering will be gold reflective and black reflective and the silver in the design will be non-reflective, but metallic. The chevron striping on the back end will be red and lime diamond grade 3M material. Price includes all design, material and installation at our facility. Price also includes a life of the vehicle warranty.

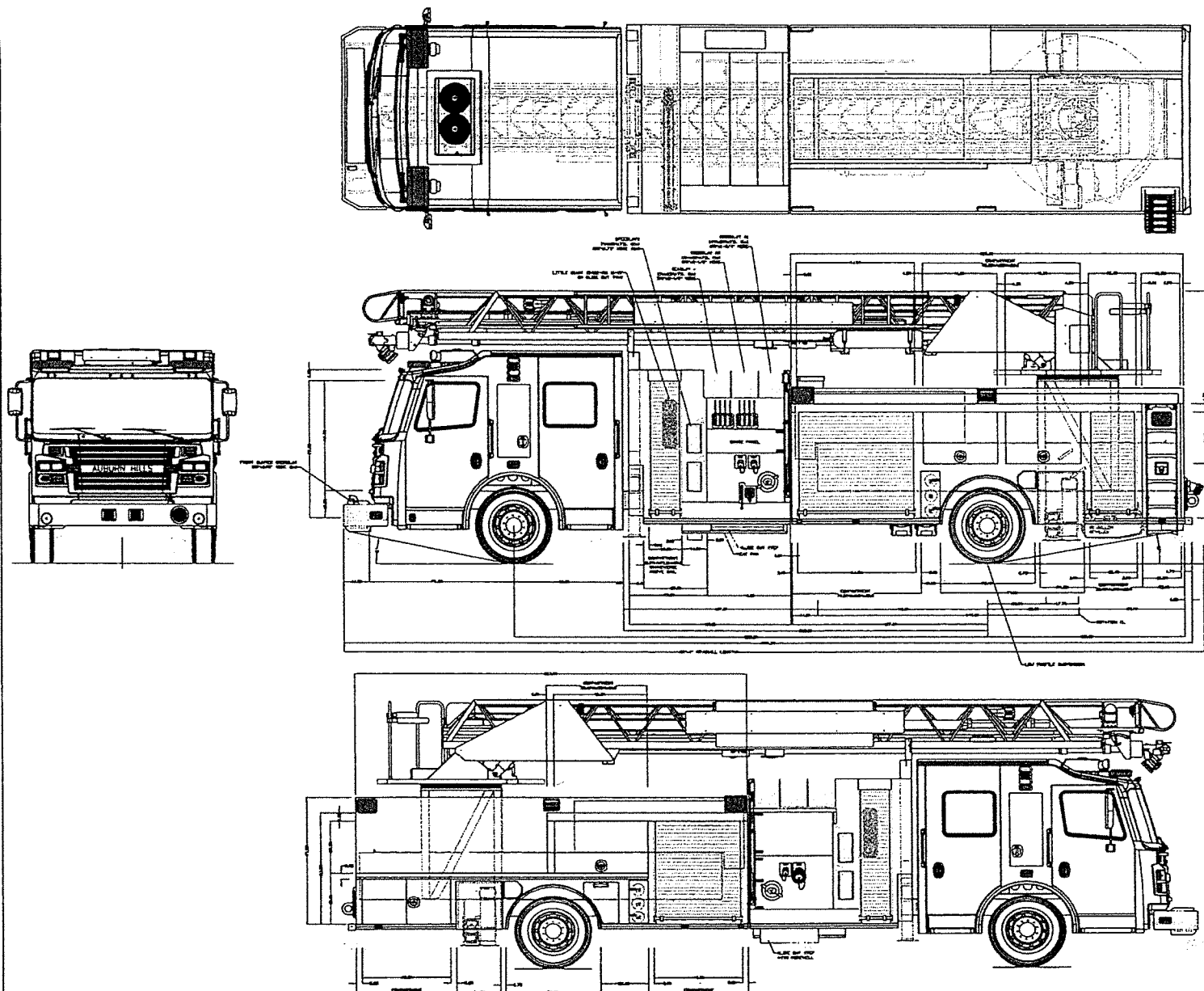
Price installed at our facility: \$3950.00

Thanks for opportunity to quote on the project. Please let me know if you need anything else or if you have any changes or questions on the artwork. I look forward to hearing back from you.

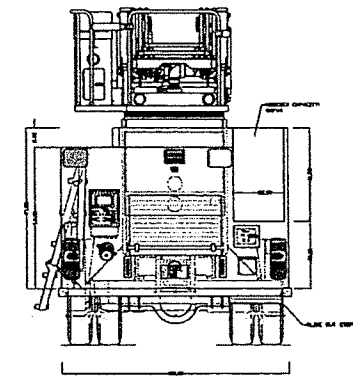
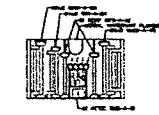
Sincerely,

Marcetta Hurst

Marcetta Hurst
President, Majik Graphics, Inc.



- NOTES:
1. OVERALL HEIGHT IS IN LOADED CONDITION. UNLOADED HEIGHTS MAY BE 4" ABOVE HEIGHTS SHOWN.
 2. DO NOT SCALE DRAWING.
 3. ALL DIMENSIONS ARE APPROXIMATE AND SUBJECT TO ENGINEERING CHANGES.
 4. DRAWING MAY OR MAY NOT SHOW ALL ITEMS AS DESCRIBED IN THE WRITTEN DETAIL SPECIFICATIONS.
 5. INCLUSION OF AN ITEM ON THE DRAWING DOES NOT CONSTITUTE INCLUSION OF THAT ITEM WITH THE FINAL DELIVERED UNIT.
 6. THE EFFECTIVE DOOR OPENINGS WILL BE APPROX. 2" LESS THAN THE NOTED COMPARTMENT OPENING FOR ROLL UP DOORS AND UP TO APPROX. 4" LESS FOR HINGED DOORS.



APPROVED BY:	
CHASSIS:	COMMANDER 6011
PUMP:	HALE 2000 GPM
TANK:	POLY/400/30(PGAM)
PANEL MATL:	LINE-X
COMP INTERIOR:	LINE-X
MAXIMUM HEIGHT:	NONE
MAXIMUM LENGTH:	38'-0"
BODY WIDTH:	101"

PROPRIETARY AND CONFIDENTIAL
 THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ROSENBAUER. ANY REPRODUCTION IN PART OR IN WHOLE WITHOUT THE WRITTEN PERMISSION OF ROSENBAUER IS PROHIBITED.

AUBURN HILLS, MI
78' VIPER

ROSENBAUER FX 1/8"
AUBURN HILLS, MI 78 VIPER



2023 Fleet Overview

Apparatus	Year Purchased	Expected Useful Life	Expected Replacement	Notes
Front-Line				
Engine 1	2020	15 years	2035	
Ladder 2	2021	15 years	2036	
Engine 3	2015	15 Years	2025	(move to reserve)
Ambulances				
Rescue 1	2020	6 years	2026	(move to reserve)
Rescue 2	2020	6 years	2025	
Rescue 3	2023	6 years	2029	
Reserve				
Ladder 1	1997	25 Years	2025	Decomission ASAP
Ladder 3	2018	25 Years	2043	
SRU	2001	25 Years	N/A	Decomission (Fleet Reduction)
Rescue	2015	10 Years	N/A	Decomission 2025
Command/Admin				
Chief 1	2019	5 Years	2024	
Chief 2	2019	5 Years	2024	
Officer 1	2020	10 Years	2030	
Captain 1	2020	8 Years	2028	
Prevention				
Inspector 2	2016	10 Years	2026	
Inspector 3	2015	10 Years	2025	
Inspector 4	2014	10 Years	2024	

2023-2025 Replacement List (from above schedule)

Year	Apparatus	Projected Cost
2023	Ambulance	275,000
2024	Quint	1,425,000
2024	Chief 1	50,000
2024	Chief 2	50,000
2024	Inspector	45,000
2025	Ambulance	300,000
2025	Inspector	45,000
2023-2025 Total		2,190,000

FIRE DEPARTMENT
1899 N. Squirrel Road
Auburn Hills, Michigan 48326



WWW.AUBURNHILLS.ORG
Phone - 248.370.9461
Fax - 248.370.9358



2025 Fleet (Projected)

Apparatus	Year Purchased	Expected Useful Life	Expected Replacement	
Fire Apparatus				
Ladder 2	2024	15 years	2039	
Ladder 1	2021	15 years	2036	
Engine 3	2020	15 Years	2035	
Ambulances				
Rescue 1	2020	6 years	2026	
Rescue 2	2025	6 years	2031	
Rescue 3	2023	6 years	2029	
Additional				
Ladder 3	2018	25 Years	N/A	(Reserve)
Engine	2015	25 Years	N/A	
Rescue	2020	10 years	N/A	
Utility	2014	10 Years	N/A	
Command/Admin				
Chief 1	2024	5 Years	2030	
Chief 2	2024	5 Years	2030	
Officer 1	2020	10 Years	2030	
Captain 1	2020	8 Years	2028	
Prevention				
Inspector 2	2016	10 Years	2026	
Inspector 3	2025	10 Years	2035	
Inspector 4	2024	10 Years	2034	

2026-2030 Estimated Capital Fleet Purchases

Year	Apparatus	Projected Cost
2026	Ambulance	\$300,000
2026	Inspector	\$45,000
2029	Ambulance	\$300,000
2028	Captain	\$50,000
2031	Ambulance	\$325,000
2030	Chief 1	\$50,000
2030	Chief 2	\$50,000
2026-2030 Total		\$1,120,000

FIRE DEPARTMENT
1899 N. Squirrel Road
Auburn Hills, Michigan 48326



WWW.AUBURNHILLS.ORG
Phone - 248.370.9461
Fax - 248.370.9358



AUBURN HILLS FIRE DEPARTMENT



Official Memorandum

To: Fire Chief Massingill, Assistant Chief Robinson
From: 2023 Apparatus Committee: FF Randolph, FF Rowley, Lt. Blitchok, Lt. Shambeck
Subject: Fire Apparatus Purchase Recommendation
Date: 02/20/2023

The fire department assembled a committee to research and design the most effective fire apparatus that will meet the community's current and projected needs. The committee, along with command staff, unanimously agreed that a 78 ft aerial ladder truck or "Quint" style apparatus was best suited to the department's needs. The committee surveyed available apparatus manufacturers to evaluate design options and available features. The goal of the evaluation was to determine the apparatus manufacturer that would best meet community and department needs. The committee identified five manufacturers as the best potential candidates:

- E-One
- Sutphen
- Spartan
- Pierce
- Rosenbauer

The committee then had representatives give presentations to explain the advantages and disadvantages in the operation of their apparatus to determine which manufacturer would best serve the department and community. The committee evaluated the specifications from each manufacturer over the course of several meetings. The committee identified major operational concerns listed below that they thought were important in the evaluation process.

- Jack spread refers to the lateral area needed to set up the stabilizing jacks to allow operation of the aerial ladder. Rosenbauer's jack spread is 13'6" as compared to other manufacturers requiring 16'. This allows the apparatus to be set up for full functionality in a more narrow area. The committee identified several areas of the city where this would be an essential feature.
- Short jacking refers to setting up a stabilizing jack when it is not fully extended. Only Rosenbauer allows users to operate when short jacked on the affected side with prorated effect. If the jack is extended 90%, the ladder can be utilized to 90% of its extension and reach. Rosenbauer is the only manufacturer to offer this feature. The other manufacturers require a jack to be extended 100% to operate on the affected side. With other manufacturers, "short jacking" even one inch due to an obstruction severely limits operating on the affected side and would likely necessitate the apparatus being repositioned. The committee identified several situations where this would negatively impact fire operations.

- Smooth operation of an extended aerial ladder is essential, especially when a firefighter is working on the ladder being moved. Ladder Whip refers to the abrupt movement that occurs at the tip of an extended aerial ladder when it is being moved. Historically, limiting ladder whip has been dependent on the operator's skill. Rosenbauer and E-One were the only manufacturers that offered an "electronics over hydraulics" solution that automatically buffers the controls to ensure smooth movements. This feature also allows the crew to auto-bed the ladder. Auto-bedding automatically stows the ladder once it is returned to within 20% of stowed position. This feature was not offered by other manufacturers.
- Below grade operations refers to the ability to operate the aerial ladder at an angle below the base or below ground level. This is of great benefit when working to move people and equipment from the ground to an elevated position, or when performing a low angle rescue. Rosenbauer offered the best below-grade capabilities.
- Turning radius refers to the area it takes for the apparatus to make a turn, described as how "tight" a turn can be made. Rosenbauer offers the shortest turning radius of any manufacturer. This has a big impact on crews' ability to efficiently navigate narrow areas of the city.
- Fleet consistency is another key component for operational effectiveness. The department currently utilizes four other Rosenbauer fire apparatus. Consistency regarding equipment positively affects operations in emergency situations.

Based on the information listed above, the apparatus committee unanimously recommends that the City of Auburn Hills Fire Department purchases a Rosenbauer 78' Viper Aerial Apparatus as it is best suited to meet the departments current and future operational needs.



PURCHASE ORDER

Purchaser		SUPPLIER	
Purchaser:	City of Auburn Hills	Contract #	Sourcewell Contract #: 113021-RSD
Address 1:	1827 N. Squirrel Rd	Supplier:	Rosenbauer South Dakota, LLC
Address 2:		Address 1:	100 3rd Street
City, State, Zip:	Auburn Hills, MI 48326	Address 2:	
		City, State, Zip:	Lyons, SD 57041

Purchase Order Number:	(enter)	Delivery in Calendar Days:	605
Date:	1-31-20223	Member #	85050

The amount in this proposal shall remain firm for a period of 30 days from the date of same.

Quantity	Description	Price	Price (Extended)
1	One (1) Rosenbauer Aerial, complete with Rosenbauer Commander chassis and Rosenbauer Viper Aerial per attached specifications.	\$1,424,750.00	\$1,424,750.00
TOTAL			\$1,424,750.00

NOTES:	
--------	--

Rosenbauer Dealer:	Emergency Vehicles Plus
Salesperson:	Bob Colter
Signature:	<i>Bob Colter</i>

Purchaser:	City of Auburn Hills
Print Name:	
Title:	
Date:	
Signature:	



APPENDIX C CHANGE ORDER POLICY

This change order policy is intended to reflect the increased cost of changes which result in delayed deliveries, confused paperwork, poor production flow and increased potential of trucks being built to incorrect specifications. With your cooperation, changes can be kept to a minimum which means we will be able to reduce lead times, increase production and maintain costs which will benefit all of us.

Our objective is accurate, high quality and on-time deliveries exceeding our customer expectations.

Changes any time after the order is received may delay the quoted delivery date. Significant design or component changes will have the largest impact on the schedule and quoted delivery date. Changes that occur later in the process will also have the largest impact on the schedule and quoted delivery date.

All time fences are reference to contract execution date if not otherwise stated.

Change Window #1

All changes will be priced at standard pricing and specials will be priced through our normal process. Significant changes made to the vehicle during this time period may result in a delivery extension.

RBM Chassis	0-60 days
RBA Aerial	0-60 days
Rosenbauer Body	0-60 days

Change Window #2

All changes are subject to a 25% mark-up, as well as a \$250.00 change order processing fee. All changes are subject to factory review and may be denied due to engineering or lead time issues.

RBM Chassis	61-75 days
RBA Aerial	61-75 days
Rosenbauer Body	61-120 days

Change Window #3

All changes are subject to a 50% mark-up, and 50% restocking fee on deleted items, as well as a \$250.00 change order processing fee. All changes are subject to factory review and may be denied due to engineering or lead time issues. No major components can be changed at this time; major components are considered engine, transmission, axles, suspension, cab, frame (wheelbase), seats, water pump and water tank.

RBM Chassis	76-120 days
RBA Aerial	76-120 days
Rosenbauer Body	121-180 days

Change Window #4

Changes are not recommended at this time. Any changes requested will be priced on a time and material basis, as well as a \$500.00 change order processing fee. Any changes requested, and that are quoted to the customer, must be approved by the customer within three days or they will not be valid.

RBM Chassis	After 120 days
RBA Aerial	After 120 days
Rosenbauer Body	After 180 days

**Note: Any late change orders that are factory driven will be done at cost and no additional mark up or penalties will apply.*

BUYER INITIALS: _____

Rosenbauer Comparison



Part No	Description	Qty	Price	Extended
Creditis				
00-01-5200	Bdy Requirements, Ladder, Four (4) Outriggers	1	\$ 975	\$ 975
22-12-1100	Intk, Aux, Gtd, 2-1/2", NST, Left Side	1	\$ 872	\$ 872
22-41-1100	Plug, 2-1/2", Chrome Rocker Lug, w/Chain	1	\$ 93	\$ 93
26-31-3100	Pump Side Access Door, Upper LH, Alum T/P	1	\$ 221	\$ 221
26-31-3200	Pump Side Access Door, Upper RH, Alum T/P	1	\$ 221	\$ 221
27-02-1500	Gauge, Dschg, IC, 2-1/2" 400#, WF	6	\$ 114	\$ 684
53-03-0060	Whelen Rr DOT LED Ltng Pkg (4x6)	1	\$ 125	\$ 125
53-03-2600	Tail/Brake Lts, Whelen, LED, 4"x6" (Pair)	1	\$ 308	\$ 308
53-04-2600	Turn Signals, Whelen, LED w/ Arrow, 4"x6" (Pair)	1	\$ 252	\$ 252
53-06-3500	Backup Lts, Whelen, LED, 4"x6" (Pair)	1	\$ 255	\$ 255
58-26-2000	Wrn Lts, Whelen, Low Mid Bdy (2) M6 LED	1	\$ 383	\$ 383
01-33-3100	Mnls, Bdy Complete, 1 Set Printed With CD	1	\$ 366	\$ 366
01-33-3400	Mnls, Bdy Complete, Electronic Internet Service	1	\$ 443	\$ 443
10-03-6000	Tow Plates (2), Rr Frame Rail, Under Step	1	\$ 303	\$ 303
10-05-4124	Frnt Bmpr, 4000, 2-Rib S/S 12"H, T/P Apron, T/P Wings, 24" Extnsn	1	\$ 2,049	\$ 2,049
24-02-2600	Elbow, LW Alum, 5" Storz x 4"F	1	\$ 173	\$ 173
24-03-1400	Cap, 2-1/2", NST Chrome, Rocker Lug, w/Chain	4	\$ 79	\$ 316
24-10-1100	Aerial Dschg/Inlet, 3", Rear, 4" NSTM w/4" Cap, 1-1/2" Drain	1	\$ 4,325	\$ 4,325
24-53-3000	Dschrg Vlv Cntrl, AKR, 2" Elec, #9323	2	\$ 720	\$ 1,440
24-53-3100	Dschrg Vlv Cntrl, AKR, 2-1/2" Elec, #9323	4	\$ 720	\$ 2,880
40-95-1000	Rr Aerial Bdy Configuration - Hngd Lift Up Dr - Treadplate	1	\$ 1,242	\$ 1,242
41-44-4100	Step, Fldg, Frnt, Left Hand, Integral LED Lts	1	\$ 148	\$ 148
41-44-4200	Step, Fldg, Frnt, Right Hand, Integral LED Lts	1	\$ 148	\$ 148
55-06-1100	Cmpt Lt, Dr Swtch, Auto, Ea	6	\$ 146	\$ 876
56-01-1300	Siren, Elect, Code 3 3692 V-Con	1	\$ 699	\$ 699
56-02-1600	Spkr, F-S Dynamax, ES100C 100 Watt	1	\$ 413	\$ 413
56-02-1650	Spkr Grille, Stnls Stl, "R"	1	\$ 110	\$ 110
56-03-1800	Spkr Lctn, To Be Determined by Body Mfg	1	\$ 103	\$ 103
57-02-4600	Lt Bar, Whelen, Freedom IV, F4NMINI, LED, 22" (Pair)	1	\$ 3,861	\$ 3,861
10-06-1600	Tire Pressure Indicator, Sngl Axle, Commercial, p/n RWTG1235	1	\$ 332	\$ 332
24-53-5200	Dschrg Vlv Cntrl, AKR, 3" Elec, #9325, Pres Mtr-FM	2	\$ 2,243	\$ 4,486
24-61-1220	Vlv Mfger, AKR, 8000, (2"), Electric	2	\$ 1,318	\$ 2,636

Rosenbauer Comparison

24-61-1270	Vlv Mfger, AKR, 8000, (2-1/2"), Electric	4	\$	1,368	\$	5,472
24-61-1320	Vlv Mfger, AKR, 8000, (3"), Electric	2	\$	1,568	\$	3,136
24-62-1210	Vlv Mfger, AKR, 8000, (2") Electric	1	\$	1,244	\$	1,244
24-62-1310	Vlv Mfger, AKR, 8000, (3"), Electric	1	\$	1,480	\$	1,480
44-10-1100	Whl Well Cmpt, Sngl SCBA Tube, Alum Dr	4	\$	285	\$	1,140
44-10-6000	Whl Well Compt, SCBA Compt Straps	4	\$	36	\$	144
57-20-1200	Wrn Lt, Dvr, Whelen, M6, Red LED, Color Lens, Ea	6	\$	146	\$	876
57-20-1201	Wrn Lt, Offcr, Whelen, M6, Red LED, Color Lens, Ea	6	\$	146	\$	876
44-40-1100	Vents, Compts, Louvers, Includes Filters (Ea)	5	\$	59	\$	295
45-01-1050	Shelving Tracks, (2) Unistrut, Alum	5	\$	114	\$	570
45-02-3100	Shelf, Adjust, Alum 3/16"	6	\$	177	\$	1,062
45-06-1100	Slide Tray, 500#, Alum 3/16",EZ Slide	2	\$	672	\$	1,344
45-10-1100	Pull-Out Drop-Down Tray, 250#	4	\$	548	\$	2,192
45-30-1400	Turtle Tile, Compartment Floor	6	\$	132	\$	792
57-20-8100	Wrn Lt, Dvr, Whelen, L31 LED Rotator Red Color Lens, Ea	1	\$	368	\$	368
57-20-8101	Wrn Lt, Offcr, Whelen, L31 LED Rotator Red Color Lens, Ea	1	\$	368	\$	368
80-05-2000	Bdy Paint, Sngl Axle Aerial	1	\$	16,266	\$	16,266
80-30-1100	Compt Finish, Spatter Coat, Up to 6 Compts	1	\$	731	\$	731
80-50-1700	Lettering, 4" Mylar Gold Leaf, 50 Letters	1	\$	613	\$	613
80-50-5100	Aerial Cylinder Panels, Pntd	1	\$	693	\$	693
10-05-4124	Frnt Bmpr, 4000, 2-Rib S/S 12"H, T/P Apron, T/P Wings, 24" Extnsn	1	\$	2,346	\$	2,346
56-02-1650	Spkr Grille, Stnls Stl, "R"	1	\$	166	\$	166
20-23-3110	Pump Flow Rtnng, Waterous, CSUC20, 1500 GPM	1	\$	25,123	\$	25,123
20-23-3200	Pump, Waterous, CSUC20, 1 Stage, Midship	1	\$	4	\$	4
80-70-1300	Stripe, Sngl Reflective, 4", Straight Design	1	\$	490	\$	490
80-72-1100	Stripe, Reflective 3M, Chevron Pattern Entire Rr Red/Yellow	1	\$	1,622	\$	1,622
80-81-0100	Leveling Gauge, (1) Side-to-Side, (1)Front-to-Back	1	\$	183	\$	183
90-01-5900	Whl Chocks Pair Zico #SAC-44 Fldg w/ Mts	1	\$	697	\$	697
90-03-3400	Ladder, Roof, Duo-Safety, 16' Alum 875-A	2	\$	733	\$	1,466
90-06-4600	Ladder, Ext, Duo-Safety, 24' Alum, 2 Sect 900-A	1	\$	1,176	\$	1,176
20-26-2200	Pump Seal, Mech, Waterous	1	\$	505	\$	505
20-26-2400	Pump Impeller, Waterous, Flame Plated Hubs	1	\$	484	\$	484
20-26-3200	Pump Shift, Waterous, Elec/Pneumatic Operated	1	\$	523	\$	523
20-26-4400	Pump Primer, Waterous, VPO, Oil Less, Elec, Push Button	1	\$	1,863	\$	1,863

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20-31-4100	Pump Cooler, Bypass-To-Tank, 3/8"	1	\$	291	\$	291
21-01-2500	Drain/Bleeder, IC Lift-Up, Mnl 1/4 Turn	1	\$	153	\$	153
26-02-1600	Pump Enc, Side Mt, Extrd Alum, Aerial	1	\$	7,657	\$	7,657
50-15-7800	Battery Chrg/Comp, KUSS, Pump Plus 1200 091-187-12-R-B1	1	\$	2,189	\$	2,189
50-16-1100	Display, Bar Graph, Sngl Battery Bank 091-199-001	1	\$	273	\$	273
50-41-3000	Air Horns, (2) Rcsd, One Ea Side Bumper, 24.5" Stuttertone, Chrome	1	\$	676	\$	676
50-43-2200	Air Horn Cntrl, Officer, Sgle Ft Switch	1	\$	248	\$	248
58-01-1200	Housing, Step, Wrn Lts (1 pair)	1	\$	114	\$	114
58-01-2140	Flange, Chrome, Wrn Lt, Whln, M6, Ea	10	\$	38	\$	380
22-55-4600	Intk Vlv Cntrl, AKR, 2" Elec, #9323	1	\$	707	\$	707
22-55-4800	Intk Vlv Cntrl, AKR, 3" Elec, #9323	1	\$	707	\$	707
23-06-2200	Crosslay Dschgs, (2) 1-1/2", Over Pump Panel, NST 200 ft of 1-3/4-in each	1	\$	2,177	\$	2,177
27-10-3500	Pressure Gvmr, FRC, In-Cntrl, w/Bdy, TGA400	1	\$	3,550	\$	3,550
40-02-4020	Upr Hgh Sde - Sgle Comp't - Roll Up Dr - Painted	1	\$	1,870	\$	1,870
40-02-6100	Access Ladder, Rr Bdy, Aerial LH	1	\$	1,407	\$	1,407
40-04-1090	Ahd Rr Whls - Low Comp't - Roll Up Dr - Painted	1	\$	1,979	\$	1,979
40-04-5090	Bhnd Rr Whls- Low Comp't - Roll Up Dr - Painted	1	\$	1,599	\$	1,599
54-12-1300	Deck Lts, Unity, 1-AG Spot 1-AG Flood	1	\$	378	\$	378
55-01-3270	Cmpt Lt, Wall, OSS Night Axe, 27" LED Tube Lt, (2) Ea Cmpt	4	\$	417	\$	1,668
55-01-3290	Cmpt Lt, Wall, OSS Night Axe, 54" LED Tube Lt, (2) Ea Cmpt	2	\$	635	\$	1,270
58-36-2000	Wrn Lts, Whelen, Low Rr Side (2) M6 LED	1	\$	389	\$	389
58-71-1820	Wrn Lts, Whelen, Upper Rr (2) S-LED Rotary L31 P/N L31*F	1	\$	383	\$	383
58-74-5100	Stanchions, Rr Wrn Lt, Cast Alum	1	\$	261	\$	261
23-10-5200	Dschg, 3" x 4"NST, Right Side, Pump Panel, NST	1	\$	991	\$	991
23-13-3200	Dschg, 2-1/2", Right Rr, NST	1	\$	1,381	\$	1,381
24-02-1200	Elbow, 2-1/2"F x 2-1/2" NST M, Chrome	4	\$	177	\$	708
30-01-1960	Bdy Const - Rosenbauer Aerial - 3/16" Alum	1	\$	3,294	\$	3,294
03-00-0750	70" Cab Length Flat Roof	1	\$	44,058	\$	44,058
05-00-7130	Ramco-Bus-Drv Dr Mt (CRM-1350PCHR)-Off Dr Mt	1	\$	1,093	\$	1,093
05-01-1055	Cab Coating Interior Gray	1	\$	1,449	\$	1,449
05-01-7000	Cab Paint Spray Out	2	\$	56	\$	112
05-02-0012	Heating w/ Air Conditioning, Overhead, 12V DC	1	\$	7,207	\$	7,207
06-00-1594	600HP Cummins X15	1	\$	58,069	\$	58,069
06-02-1130	Fan Clutch - ISX 15	1	\$	1,453	\$	1,453

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06-02-2005	AC Compressor X15 & ISM	1	\$	362	\$	362
06-03-1025	Engine High Idle Control Manual & Automatic w/o Load Mng	1	\$	233	\$	233
06-03-2010	Fluid Checks & Fills at Grille ISL	1	\$	169	\$	169
03-06-0015	Steps w/Grip Strut Lwr, Treadplate Middle	1	\$	1,237	\$	1,237
06-04-2006	Engine Cooling System- X 15.0L	1	\$	7,004	\$	7,004
06-04-4010	Coolant Valve Shut Off Valve w/Connection - For Additional Heater	1	\$	167	\$	167
06-05-1005	Engine Pump Heat Exchanger X15	1	\$	448	\$	448
06-05-3030	Engine Air Intake Filtration and Restriction X15	1	\$	827	\$	827
06-06-3738	Engine Exhaust System One Piece Officer Side Inboard DPF/SCR - X15 -2017	1	\$	20,137	\$	20,137
06-06-4006	DEF Tank - 2017	1	\$	643	\$	643
07-04-0216	Fuel Lines Aramid Braid	1	\$	102	\$	102
07-04-0230	Fuel Cooler Behind Battery Box	1	\$	632	\$	632
07-05-0104	Front Axle Meritor MFS 23000# Beam	1	\$	5,125	\$	5,125
07-05-0232	Front Suspension Hendrickson 9 Leaf Spring 22,800	1	\$	2,838	\$	2,838
07-05-0314	4 Spoke Steering Wheel Tilt/Telescopic 18"	1	\$	968	\$	968
07-05-0319	Power Steering Gear TRW TAS 85 w/Assist- 20K and up - L9 & X15 Meritor Axle	1	\$	5,325	\$	5,325
03-09-0239	Seat Officer Bostrom Tanker Fixed ABTS	1	\$	1,214	\$	1,214
03-09-0275	Seat Mounting Officer Fixed Bostrom	1	\$	309	\$	309
03-09-0301	Seat Back Crew SCBA Bostrom SecureAll	4	\$	476	\$	1,904
03-09-0352	Seat Crew Rear Facing Outer Bostrom Tanker Fixed ABTS	2	\$	1,268	\$	2,536
03-09-0385	Seat Mounting Rear Facing Outer Angled Inboard 5 Degrees	2	\$	335	\$	670
03-09-0552	Seat Crew Forward Facing Center Bostrom Tanker Fixed	2	\$	1,268	\$	2,536
03-09-0575	Seat Mounting Forward Facing Center	2	\$	101	\$	202
08-00-0101	Electrical System 12V DC	1	\$	15,615	\$	15,615
08-00-0224	Battery Box Driver/Officer Side Hot dipped Galvanized Steel w/Covers - 6 Battery	1	\$	1,877	\$	1,877
08-00-0403	Alternator Delco Remy 275 Amp	1	\$	1,455	\$	1,455
08-00-0503	Headlights, Quad, with Rectangular Bezel	1	\$	1,121	\$	1,121
08-00-0602	Front Turn Signals Whelen 600 LED (2)	1	\$	361	\$	361
08-00-0606	Side Marker Light LED (2)	1	\$	236	\$	236
08-00-0721	Ground Lights LED Whelen 3SC0CDCR	1	\$	435	\$	435
08-00-0732	Cab Step Lights LED (1 Per Step)	1	\$	508	\$	508
08-00-0791	Interior Overhead LED Lighting Red/Clear	1	\$	542	\$	542
08-00-4090	Dr Open/Hazard Wrn Lt, Flash, Whelen 3SR00FRR LED Rnd	1	\$	239	\$	239
08-01-0010	Instrumentation Standard Pacific Insight Gauge Panel	1	\$	1,087	\$	1,087

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03-09-3100	Seat Box (2 person) Forward Facing (FFC Seats)	1	\$	599	\$	599
03-09-4000	Seat Box Finish Black	1	\$	178	\$	178
03-09-8010	Cab Insulation Interior Ceiling	1	\$	720	\$	720
04-01-1021	Interior Trim Color Black, 70" Flat Roof	1	\$	3,417	\$	3,417
04-01-1051	Interior Trim Color Black Rear Wall Flat Roof	1	\$	812	\$	812
08-01-0040	Power & Ground Stud 40A Batt Direct / 15A Ignition	1	\$	161	\$	161
08-01-0055	Driver Panel / Controls & Switches - 12V DC	1	\$	486	\$	486
08-01-0140	Instrumentation Panel Inlay Job Color	1	\$	57	\$	57
08-01-0753	Step Lights Activated Respective Side	1	\$	32	\$	32
08-01-0821	Rearview Mirror Remote & Heat Switch Driver Panel	1	\$	200	\$	200
08-02-0612	Class 1 VDR/Seat Belt Warn	1	\$	1,659	\$	1,659
04-05-0105	Interior Handle Front Door Grab Handles - Black Powder Coat	1	\$	351	\$	351
04-05-0150	Interior Grab Handle Rear Door Chicago Style 34" Black Powder Coat	1	\$	217	\$	217
04-05-2000	Exterior Grab Handles Aluminum with Stanchions 18"	1	\$	279	\$	279
04-08-0125	Front Grille Inlay, Black Honeycomb w/ stainless steel bars	1	\$	393	\$	393
04-08-0140	Front Grille, 3D Stainless Steel	1	\$	1,385	\$	1,385
03-08-0300	Window Side Middle Driver Fixed 18" x 24"	1	\$	179	\$	179
03-08-0350	Window Side Middle Officer Fixed 18" x 24"	1	\$	179	\$	179
03-08-0450	Window Side Rear Driver Fixed 8"W x 24"H	1	\$	244	\$	244
03-08-0500	Window Side Rear Officer Fixed 8"W x 24"H	1	\$	244	\$	244
03-09-0122	Seat Back SCBA Bostrom SecureAll	1	\$	476	\$	476
03-09-0184	Seat Driver Bostrom Sierra 2-Way Manual ABTS	1	\$	925	\$	925
03-09-0211	Seat Mounting Driver 2-Way Bostrom	1	\$	283	\$	283
07-07-0723	(2) Front Wheels Alcoa Dura-Bright 22.5 x 12.25 Aluminum	1	\$	1,438	\$	1,438
04-02-1125	Interior Floor Covering Color Black, 70"	1	\$	2,426	\$	2,426
04-03-1020	Cab Dash & Engine Tunnel Coating Black	1	\$	220	\$	220
03-06-1025	Full Length Cab Entry Doors	1	\$	432	\$	432
03-06-1110	Cab Door Hardware Black (4)	1	\$	1,099	\$	1,099
03-06-1135	Interior 1-Piece Door Panel Type Aluminum	1	\$	776	\$	776
03-06-1202	Door Panel Finish Black	1	\$	254	\$	254
03-08-0101	Windshield One Piece - COMMANDER	1	\$	677	\$	677
03-08-0102	Windshield Wiper System Single Motor (2) Wipers - 3D Grille	1	\$	737	\$	737
03-08-0115	Window Driver w/Manual Regulator	1	\$	423	\$	423
03-08-0117	Window Officer w/Manual Regulator	1	\$	423	\$	423

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03-08-0200	Window Driver Crew Door w/Manual Regulator	1	\$	490	\$	490
03-08-0240	Window Officer Crew Door w/ Manual Regulator	1	\$	490	\$	490
07-06-0106	Rear Axle, Single, 33000# Meritor RS-30-185	1	\$	9,508	\$	9,508
07-06-0253	Rear Suspension Reyco 79KB Spring 33000# Conventional	1	\$	4,035	\$	4,035
07-07-0150	(2) Front Tires 425/65R 22.5 Michelin XFE "L"	1	\$	2,436	\$	2,436
07-07-0350	(4) Rear Tires 315/80R 22.5 Michelin XZA2 ENERGY "L"	1	\$	4,469	\$	4,469
90-06-1300	Power-Take-Off, Hyd Piggyback for Generator	1	\$	736	\$	736
10-06-1200	Sign Brackets, Aerial	1	\$	97	\$	97
10-06-1400	Sign Panels, Aerial, 12"x120" Matching Aerial Sections	1	\$	194	\$	194
80-01-3100	Intercom, 3-Station, Turntable, Fly & Pump Panel, Atkinson: AD26C & AD26D	1	\$	7,900	\$	7,900
						\$ 389,989

Additions

00-01-5200	Body Requirements, Ladder, Four (4) Outriggers	1	\$	1,086	\$	1,086
00-01-5210	S.O.R. / Size, Safety Harness Medium 28"-33" Waist	1	\$	494	\$	494
00-01-5212	Size, Safety Harness, Large, 34"-40" Waist	1	\$	494	\$	494
00-01-5214	Size, Safety Harness, X-Large, 42"-50" Waist	2	\$	494	\$	988
01-07-0064	Technical Drawings, Representative Drawings	1	\$	496	\$	496
01-16-0250	Warranty, Apparatus, Body Warranty, 2 Years	1	\$	3,528	\$	3,528
01-17-0600	Pump Warranty, Hale Lmted Std, 5 Yrs, (2 yrs P/L 3 yrs P)	1	\$	59	\$	59
01-17-0664	Pump Warranty, Hale, 3 Year Add'l Labor	1	\$	2,175	\$	2,175
01-19-0350	Warranty, Body, Alum, 10 Years	1	\$	2,585	\$	2,585
01-20-1010	Warranty, Paint, AkzoNobel, 10 Years	1	\$	9,402	\$	9,402
01-33-3710	In Process Photos	1	\$	540	\$	540
01-33-3810	Manuals, Body, Complete, Customized, Operation & Familiarization	1	\$	1,006	\$	1,006
02-10-3010	Delivery - Aerial (751 to 1000 miles)	1	\$	5,108	\$	5,108
08-00-0719	Compartment LED Strip Light, (1) Each Compartment (approx 30")	1	\$	366	\$	366
08-00-071A	Compartment Light, Mounting Door Jamb	1	\$	199	\$	199
10-02-1400	Label, Data, Tire Pressure	1	\$	74	\$	74
10-03-6100	Tow Plates (2), Rr Frame Rail, Abv Step	1	\$	320	\$	320
10-04-2550	Full Width Hosewell	1	\$	3,113	\$	3,113
10-04-2948	Grating, Bumper Cmpt, Turtle Tile, Full Width Cmpt	1	\$	530	\$	530
10-04-3180	S.O.R. / Bumper Cmpt Door, Alum T/P, Flat Full Width	1	\$	467	\$	467
10-05-4312	S.O.R. / Frnt Bmpr, 4000, Max Force 14"H, T/P Apron, M/F Wings, 12" Extnsn	1	\$	2,616	\$	2,616

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10-06-1110	Whl Trim, S/S Hub/Lug Cvr, Front/Rr, Sngl Axle	1	\$	446	\$	446
10-06-1600	Tire Pressure Indicator, Sngl Axle, Commercial, RWTG1235	1	\$	362	\$	362
10-07-3300	Exhaust Tip, Straight, Chrome, 5" O.D.	1	\$	188	\$	188
10-18-1200	Battery Jump Start Lugs, Studs and Caps, Near Driver's Door	1	\$	376	\$	376
10-19-7000	Air Tank Drains, Cable Extensions, Ea	5	\$	101	\$	505
20-09-3120	Pump Flow Rtn, Hale, 8FG(R/F), 2000 GPM	1	\$	29,055	\$	29,055
20-14-2200	Pump Seal, Mech, Hale	1	\$	474	\$	474
20-14-3100	Pump Shift, Hale, Elec/Pneumatic, Midship	1	\$	616	\$	616
20-14-3400	Pump Shift, Hale, Mnl Override	1	\$	1,394	\$	1,394
20-14-4100	Anode, Alloy, Pump, Hale	1	\$	286	\$	286
20-29-1200	Primer, Trident Air Primer, Automatic	1	\$	1,928	\$	1,928
20-31-4200	Pump Cooler, Bypass-To-Tank, 1/2"	1	\$	362	\$	362
21-00-0090	Pump Panel Approval Drawing	1	\$	1,368	\$	1,368
21-01-2200	Drain/Bleeder, Class 1, Automatic	1	\$	167	\$	167
21-01-2500	Drain/Bleeder, IC Lift-Up, Mnl 1/4 Turn	3	\$	179	\$	537
21-01-2500	Drain/Bleeder, IC Lift-Up, Mnl 1/4 Turn	3	\$	179	\$	537
21-01-2500	Drain/Bleeder, IC Lift-Up, Mnl 1/4 Turn	3	\$	179	\$	537
21-01-5500	Intk Manifold, Stnls Stl	1	\$	2,061	\$	2,061
21-01-6500	Dschg Manifold, Stnls Stl	1	\$	1,737	\$	1,737
21-01-8500	Threads, Special, 2-1/2"	7	\$	57	\$	399
22-12-1100	S.O.R. / Intk, Aux, Gtd, 2-1/2", DST, Left Side	1	\$	1,291	\$	1,291
22-24-1302	Intk, Gtd, 6" NST, 6" AKR Elec Vlv, LH Side, Bhnd Pnl, 9327 Mini Navigator	1	\$	2,953	\$	2,953
22-24-3302	Intk, Gtd, 6" NST, 6" AKR Elec Vlv, RH Side, Bhnd Pnl, 9327 Mini Navigator	1	\$	2,953	\$	2,953
22-41-1100	S.O.R. / Plug, 2-1/2", Chrome Rocker Lug, w/Chain	1	\$	161	\$	161
22-55-4012	Intk Vlv Cntrl, Pull Rod, 1/4 Turn, AKR - IC	2	\$	186	\$	372
22-55-4012	Intk Vlv Cntrl, Pull Rod, 1/4 Turn, AKR - IC	2	\$	186	\$	372
23-05-5100	S.O.R. / Dschg, 2-1/2", NST Frnt Bmpr Crosslay, (100' X 1 3/4" Hose Capacity)	1	\$	2,649	\$	2,649
23-06-2100	S.O.R. / Crosslay Dschg, (1) 1-1/2", Over Pump Panel, NST 400 ft of 1-3/4-in	1	\$	1,777	\$	1,777
23-07-2100	S.O.R. / Crosslay Dschg, (1) 2-1/2", Over Pump Panel, NST 300 ft of 2-1/2-in e	1	\$	1,895	\$	1,895
23-08-2710	Speedlay Dschgs, (2) 2" x 1-1/2", Above Pump Cmpt, NST 200-ft x 1-3/4-in each	1	\$	2,543	\$	2,543
23-08-3120	Crosslay Cvr, Alum T/P (NFPA Compliant Walking Surface)	1	\$	595	\$	595
23-08-8100	Speedlay, 1-3/4", Removable Hose Tray, Alum w/Retaining Device	2	\$	369	\$	738
23-10-6100	Dschg, 4", Right Side, Pump Panel, NST	1	\$	2,599	\$	2,599
24-01-1100	S.O.R. / Adptr, Special, 2-1/2"NSTF x 2-1/2" DSTM	1	\$	158	\$	158

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24-01-2410	S.O.R. / Adptr, Reducing, 2-1/2" DST F x 1-1/2" NST M, LW Alum	1	\$	97	\$	97
24-02-1200	S.O.R. / Elbow, 2-1/2" F x 2-1/2" DST M, Chrome	3	\$	247	\$	741
24-02-1200	S.O.R. / Elbow, 2-1/2" F x 2-1/2" DST M, Chrome	3	\$	247	\$	741
24-02-2600	Elbow, LW Alum, 5" Storz x 4"F	2	\$	188	\$	376
24-02-2600	Elbow, LW Alum, 5" Storz x 4"F	2	\$	188	\$	376
24-03-1400	S.O.R. / Cap, 2-1/2", DST Chrome, Rocker Lug, w/Chain	3	\$	131	\$	393
24-03-1400	S.O.R. / Cap, 2-1/2", DST Chrome, Rocker Lug, w/Chain	3	\$	131	\$	393
24-10-1300	Aerial Dschg/Inlet, 4", Rear, 4" NSTM w/4" Cap, 1-1/2" Drain	1	\$	5,511	\$	5,511
24-53-3300	Dschrg Vlv Cntrl, AKR, 4" Elec, #9333	2	\$	759	\$	1,518
24-53-3300	Dschrg Vlv Cntrl, AKR, 4" Elec, #9333	2	\$	759	\$	1,518
24-61-1200	Vlv Mfger, AKR, 8000, (2")	1	\$	192	\$	192
24-61-1230	Vlv Mfger, AKR, 8000, (2")	1	\$	192	\$	192
24-61-1250	Vlv Mfger, AKR, 8000, (2-1/2")	5	\$	243	\$	1,215
24-61-1250	Vlv Mfger, AKR, 8000, (2-1/2")	5	\$	243	\$	1,215
24-61-1250	Vlv Mfger, AKR, 8000, (2-1/2")	5	\$	243	\$	1,215
24-61-1250	Vlv Mfger, AKR, 8000, (2-1/2")	5	\$	243	\$	1,215
24-61-1420	Vlv Mfger, AKR, 8000, (4"), Electric	2	\$	2,036	\$	4,072
24-61-1420	Vlv Mfger, AKR, 8000, (4"), Electric	2	\$	2,036	\$	4,072
24-62-1200	Vlv Mfger, AKR, 8000, (2")	1	\$	183	\$	183
24-62-1300	Vlv Mfger, AKR, 8000, (3")	1	\$	374	\$	374
25-06-4200	Foam Sys, F/PRO 2002, Cls A/B, 5G/400P,12V	1	\$	11,706	\$	11,706
25-20-1104	Foam Plmbg, Strainer, Removable, 1"	1	\$	182	\$	182
25-20-1200	Foam Plmbg, Sngl Class A Tank, 1" Mnl Vlv	1	\$	206	\$	206
25-21-1500	Foam Tank, Intgrl Poly, 30 Gal, Class A	1	\$	793	\$	793
25-23-1000	Foam Tank Drain, 1" Gate Vlv, Under Tank	1	\$	334	\$	334
25-24-3000	Foam Pump, FoamPro, 12V Elec, Refill Transfer	1	\$	2,830	\$	2,830
26-02-2600	S.O.R. / Pump Enc, Side Mt, Extrd Alum, Aerial, Crslys / Speedlays	1	\$	9,748	\$	9,748
26-10-1500	S.O.R. / Pump Enc Cmpt, Frt Pmp Pnl, 18"W x Trans, Pntd Roll-up Drs	1	\$	8,755	\$	8,755
26-10-2100	Pump Enc Cmpt, SM, Dnnge Over Pump, Open	1	\$	1,516	\$	1,516
26-10-BC01	S.O.R. / 2nd Transverse Compartment	1	\$	2,784	\$	2,784
26-17-1050	Sealed Lever Banks - Cable Cntrls, AKR (EACH)	7	\$	588	\$	4,116
26-17-1050	Sealed Lever Banks - Cable Cntrls, AKR (EACH)	7	\$	588	\$	4,116
26-17-1050	Sealed Lever Banks - Cable Cntrls, AKR (EACH)	7	\$	588	\$	4,116
26-17-1050	Sealed Lever Banks - Cable Cntrls, AKR (EACH)	7	\$	588	\$	4,116

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26-17-1050	Sealed Lever Banks - Cable Cntrl, AKR (EACH)	7	\$	588	\$	4,116
26-17-1050	Sealed Lever Banks - Cable Cntrl, AKR (EACH)	7	\$	1,176	\$	8,232
26-30-2100	Step, Intermed, LH Pump Panel, Alum T/P	1	\$	180	\$	180
26-30-2200	Step, Intermed, RH Pump Panel, Alum T/P	1	\$	180	\$	180
26-30-4500	Step/Rng Brd, Slide Out w/Hosewell Alum T/P, RH Pump Panel	1	\$	1,103	\$	1,103
26-30-6100	Hosewell, Rning Brd, Cvr, Tread Plate, Ea	1	\$	192	\$	192
26-31-3300	Pump Side Access Door, Upper LH, Line-X	1	\$	677	\$	677
26-31-3340	Pump Side Access Door, Upper RH, Line X	1	\$	677	\$	677
26-35-1400	Pump Panel, Hngd, RH	1	\$	313	\$	313
26-36-5150	Trim Panels, IC Color, Intks and Dschgs	1	\$	510	\$	510
26-50-1200	Heater, Pump Enc, 30,000BTU, w/Swtch on Pmp Oprtr's Pnl	1	\$	752	\$	752
26-50-3100	Heat Pan, Pump Enc, Midship, Slide Out Panel, Glvznd Stl	1	\$	2,084	\$	2,084
26-50-4100	Gasket, Rubber, Pump Enc/Bdy Flex Joint	1	\$	171	\$	171
26-50-5100	Gasket, Rubber, Intks & Dschgs	1	\$	676	\$	676
27-01-1500	Mstr Gauges, IC, 4" PSI, Pr	1	\$	398	\$	398
27-02-1500	Gauge, Dschg, IC, 2-1/2" (0-400 PSI), WF	8	\$	127	\$	1,016
27-02-1500	Gauge, Dschg, IC, 2-1/2" (0-400 PSI), WF	8	\$	127	\$	1,016
27-02-1500	Gauge, Dschg, IC, 2-1/2" (0-400 PSI), WF	8	\$	127	\$	1,016
27-02-1500	Gauge, Dschg, IC, 2-1/2" (0-400 PSI), WF	8	\$	127	\$	1,016
27-02-1500	Gauge, Dschg, IC, 2-1/2" (0-400 PSI), WF	8	\$	127	\$	1,016
27-02-1500	Gauge, Dschg, IC, 2-1/2" (0-400 PSI), WF	8	\$	127	\$	1,016
27-02-1500	Gauge, Dschg, IC, 2-1/2" (0-400 PSI), WF	8	\$	127	\$	1,016
27-04-1200	Gauge Heater, MC, Add'l Per Gauge	4	\$	169	\$	676
27-04-1300	Gauge Heater, IC #3050766/67	1	\$	913	\$	913
27-10-3400	Pressure Gvrnr, FRC, In-Cntrl, w/Bdy, TGA300	1	\$	3,562	\$	3,562
27-35-6200	Water Tank Gauge, Whelen 500 LEDs, Level Lts, Pair, FRC	1	\$	1,832	\$	1,832
27-35-6504	Mntng Location, Upper Cab Corners	1	\$	611	\$	611
27-36-1100	Foam Tank Gauge, FRC TankVision Pro 300, Class A, Pump Panel #WLA360-A00	1	\$	899	\$	899
27-37-1100	Air Horn, Push Button, Pump Panel	2	\$	440	\$	880
27-37-1100	Air Horn, Push Button, Pump Panel	2	\$	440	\$	880
27-38-1300	Microphone Box, Pump Panel, Approx 10"hx9"wx5"d	1	\$	355	\$	355
29-20-7800	Rr Vinyl Flaps for Alum Cvr	1	\$	290	\$	290
30-00-0299	Raw Material Surcharge - Single Axle	1	\$	2,822	\$	2,822
30-01-1860	Bdy Const - Rosenbauer Aerial - 1/8" Alum	1	\$	3,173	\$	3,173

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30-01-2250	Electrolysis Corrosion Cntrl	1	\$	168	\$	168
30-02-1105	Dr Handle, Maltese Cross D-Ring, Hngd Drs	4	\$	42	\$	168
30-02-1260	Dr Strap, EZ-Pull Down, Ea	4	\$	21	\$	84
30-02-1270	Dr Roll Up, Drip Pans, Alum	4	\$	253	\$	1,012
30-02-BC01	S.O.R. / Rear Slide Out Step	1	\$	519	\$	519
40-00-0100	AERIAL - RMA75 SA - 1/8" FRMD ALUM	1	\$	59,549	\$	59,549
40-02-4000	S.O.R. / Upr Hgh Sde - Sgle Comp't - Hnge Lift Up Dr	1	\$	2,624	\$	2,624
40-02-6120	Access Ladder, Swing Out & Down, Left Side - EZ Climb	1	\$	1,275	\$	1,275
40-04-1030	Ahd Rr Whls - Full Ht Comp't - Roll Up Dr - Painted	1	\$	2,383	\$	2,383
40-04-4010	S.O.R. / Upr Hgh Sde - Sgle Comp't - Hnge Lift Up Door	1	\$	1,312	\$	1,312
40-04-5100	Bhnd Rr Whls- Low Comp't - Hng Dble Drs	1	\$	1,539	\$	1,539
40-95-3000	Rr Aerial Bdy Configuration - Roll Up Dr - Natural Finish	1	\$	1,488	\$	1,488
41-39-5100	Hosebed, Divider, 1/4" Alum	1	\$	758	\$	758
41-39-5300	Hosebed, Divider, Handhole Cutouts	1	\$	114	\$	114
41-40-2100	Hosebed Cvr, Hngd Alum T/P, Side Load Aerial/Platform	1	\$	1,659	\$	1,659
41-42-2400	Steps, Bltd, Cast Style, Rr Right Hand	1	\$	97	\$	97
41-44-4120	Steps, Fldg, Frnt, Left Hand (2), Integral LED Lts	1	\$	256	\$	256
41-44-4220	Steps, Fldg, Frnt, Right Hand (2), Integral LED Lts	1	\$	256	\$	256
44-06-4300	Fenderette, Polished Stainless Steel	1	\$	446	\$	446
44-07-4200	Fuel Tank, Removable Access Panel	1	\$	156	\$	156
44-10-1100	Whl Well Cmpt, Sngl SCBA Tube, Alum Dr, Push Button (lever) Latch	1	\$	360	\$	360
44-10-2700	Whl Well Cmpt, Triple SCBA Tube, Pntd Alum Dr	2	\$	1,153	\$	2,306
44-10-2700	Whl Well Cmpt, Triple SCBA Tube, Pntd Alum Dr	2	\$	1,153	\$	2,306
44-10-6000	Whl Well Cmpt, SCBA Cmpt Straps	7	\$	43	\$	301
44-10-6000	Whl Well Cmpt, SCBA Cmpt Straps	7	\$	43	\$	301
44-10-6000	Whl Well Cmpt, SCBA Cmpt Straps	7	\$	43	\$	301
44-10-8010	Whl Well Cmpt, Floor Dry, Pntd Alum Dr	1	\$	2,372	\$	2,372
44-40-1100	Vents, Compts, Louvers, Includes Filters (Ea)	6	\$	71	\$	426
44-40-1100	Vents, Compts, Louvers, Includes Filters (Ea)	6	\$	71	\$	426
44-40-1100	Vents, Compts, Louvers, Includes Filters (Ea)	6	\$	71	\$	426
44-40-1100	Vents, Compts, Louvers, Includes Filters (Ea)	6	\$	71	\$	426
44-40-1100	Vents, Compts, Louvers, Includes Filters (Ea)	6	\$	71	\$	426
44-40-1100	Vents, Compts, Louvers, Includes Filters (Ea)	6	\$	71	\$	426
45-01-1100	Shelving Tracks, (4) Unistrut, Alum	7	\$	207	\$	1,449

Rosenbauer Comparison

45-01-1100	Shelving Tracks, (4) Unistrut, Alum	7	\$	207	\$	1,449
45-01-1100	Shelving Tracks, (4) Unistrut, Alum	7	\$	207	\$	1,449
45-01-1100	Shelving Tracks, (4) Unistrut, Alum	7	\$	207	\$	1,449
45-01-1100	Shelving Tracks, (4) Unistrut, Alum	7	\$	207	\$	1,449
45-01-1100	Shelving Tracks, (4) Unistrut, Alum	7	\$	207	\$	1,449
45-02-3100	Shelf, Adjust, Alum 3/16"	3	\$	203	\$	609
45-02-3100	Shelf, Adjust, Alum 3/16"	3	\$	203	\$	609
45-06-3200	SlideMaster Tray, 600#, Alum 3/16" (1/4 Dpth), Up to 44"W (AM3)	2	\$	1,452	\$	2,904
45-06-3210	SlideMaster Tray, 600#, Alum 3/16" (1/4 Dpth), Up to 54"W (AM3)	1	\$	1,502	\$	1,502
45-06-3230	SlideMaster Tray, 600#, Alum 3/16" (1/4 Dpth), Up to 74"W (AM3)	1	\$	1,607	\$	1,607
45-10-1100	Pull-Out Drop-Down Tray, 250#	7	\$	605	\$	4,235
45-10-1100	Pull-Out Drop-Down Tray, 250#	7	\$	605	\$	4,235
45-10-1100	Pull-Out Drop-Down Tray, 250#	7	\$	605	\$	4,235
45-15-1200	Divider, Vert, Bolt-In, 3/16" Alum	3	\$	289	\$	867
45-15-1200	Divider, Vert, Bolt-In, 3/16" Alum	3	\$	289	\$	867
45-15-1200	Divider, Vert, Bolt-In, 3/16" Alum	3	\$	289	\$	867
45-16-1210	Slidemaster Tool Board, 600#, Alum 3/16" (1/2 Depth), Full Extension	2	\$	1,323	\$	2,646
45-30-1300	Turtle Tile, Shelves/Trays, (each)	2	\$	158	\$	316
45-30-1400	Turtle Tile, Compartment Floor	3	\$	158	\$	474
45-30-1400	Turtle Tile, Compartment Floor	3	\$	158	\$	474
45-30-5100	Turtle Tile, Shelf/Tray/Module, Ext Cmpts	7	\$	158	\$	1,106
45-30-5100	Turtle Tile, Shelf/Tray/Module, Ext Cmpts	7	\$	158	\$	1,106
45-30-5100	Turtle Tile, Shelf/Tray/Module, Ext Cmpts	7	\$	158	\$	1,106
50-10-2000	High Idle System	1	\$	461	\$	461
50-41-3000	Air Horns, (2) Rcsd, One Ea Side Bumper, 24.5" Chrome	1	\$	758	\$	758
50-43-2300	S.O.R. / Air Horn Cntrl, Officer, Sgle Dash Swtch (ROCKER SWICHTH)	1	\$	313	\$	313
51-00-1800	12V Power/Ground, 30A, Rr Cab Cabinet	2	\$	299	\$	598
51-16-5106	Fldlt, Whelen Pioneer Summit S161MB 16.37" (Floodlights), Black	2	\$	1,075	\$	2,150
51-20-3100	Fldlt, Mntg Lctn, Front Edge Of Cab Roof	2	\$	164	\$	328
52-02-4258	Back Up Camera, FRC InView 360HD, INSTALL CHASSIS SUPPLIED	1	\$	1,351	\$	1,351
52-03-1210	Map Lt, Federal 18", LED, LF18ES-LED, End Mount, On/Off Switch Control	1	\$	252	\$	252
52-08-BC01	S.O.R. / Stream Light Knuckle Head C4 90660	4	\$	447	\$	1,788
52-10-3200	Intercom System, FireCom 5100D Wireless (Single Radio)	1	\$	1,828	\$	1,828
52-10-3290	Hanger Hook - Headset	4	\$	20	\$	80

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52-10-3310	Headset, Wireless, Intercom w/Transmit, Firecom, UHW505	3	\$	1,353	\$	4,059
52-10-3320	Headset, Wireless, Intercom, Intercom Only, Firecom, UHW503	2	\$	1,298	\$	2,596
52-10-3350	Base Station, Wireless, Five Person, WB505R	1	\$	1,876	\$	1,876
52-10-3362	Ruggedizer for Headset Red	3	\$	92	\$	276
52-10-6120	Intercom, Interface Cable, Single Radio	1	\$	332	\$	332
53-03-0065	Whelen Rr DOT LED Ltng Pkg M6	1	\$	151	\$	151
53-03-2750	Tail/Brake Lts, Whelen, LED, M62BTT (Pair)	1	\$	337	\$	337
53-04-2750	Turn Signals, Whelen, LED w/ Arrow, M62T (Pair)	1	\$	306	\$	306
53-05-1802	Turn Signals, Mid Bdy, LED Marker Lt TechNiq S17-AA2G0-1 (Pair)	1	\$	150	\$	150
53-06-3550	Backup Lts, Whelen, LED, M62BU (Pair)	1	\$	405	\$	405
53-07-1210	Tail Lt Bezel, 4 Lts, Whln M6 (Pair), ABS Chrome	1	\$	449	\$	449
54-01-1200	Ground Lts, Frnt Bmpr, LED, Pair	1	\$	362	\$	362
54-03-1800	Ground Lts, Behind Rr Whls, LED, Pair	1	\$	362	\$	362
54-03-2000	Ground Lts, Add'l, LED, Pair	1	\$	362	\$	362
54-15-1280	Scene Lt, Whelen, M6ZC LED, W/Chr. trim ring	3	\$	505	\$	1,515
54-15-1460	Scene\Warn Lt, Mntg Plate, Tread Plate	2	\$	142	\$	284
54-15-1460	Scene\Warn Lt, Mntg Plate, Tread Plate	2	\$	142	\$	284
54-15-1610	Scene Lt, Whelen, Pioneer Plus Sngl Pnl PCPSM1C LED Srfc Mt, Chrome	2	\$	941	\$	1,882
54-15-6070	3-Way Cntrl Swtch, Front Scene Lts, Cab Dash/Pmp Pnl	2	\$	428	\$	856
54-15-6100	Scene Lt Swtch , Cab Switch Panel	2	\$	149	\$	298
54-15-6470	3-Way Cntrl Swtch, Left Scene Lts, Cab Dash/Pmp Pnl	1	\$	428	\$	428
54-15-6570	3-Way Cntrl Swtch, Right Scene Lts, Cab Dash/Pmp Pnl	1	\$	428	\$	428
54-15-6670	3-Way Cntrl Swtch, Rr Scene Lts, Cab Dash/Pmp Pnl	1	\$	428	\$	428
54-15-6700	S.O.R. / Scene Lt Swtch , Rr Scene Lts, Auto w/ Reverse	2	\$	171	\$	342
55-01-1150	Cmpt Lt, Wall, ROM, V3 LED Track Lt, (1) Ea Cmpt	2	\$	248	\$	496
55-01-1250	Cmpt Lt, Wall, ROM,V3 LED Track Lt, (2) Ea Cmpt	7	\$	439	\$	3,073
55-01-1250	Cmpt Lt, Wall, ROM,V3 LED Track Lt, (2) Ea Cmpt	7	\$	439	\$	3,073
55-01-1250	Cmpt Lt, Wall, ROM,V3 LED Track Lt, (2) Ea Cmpt	7	\$	439	\$	3,073
55-01-1250	Cmpt Lt, Wall, ROM,V3 LED Track Lt, (2) Ea Cmpt	7	\$	439	\$	3,073
55-01-1250	Cmpt Lt, Wall, ROM,V3 LED Track Lt, (2) Ea Cmpt	7	\$	439	\$	3,073
55-01-1250	Cmpt Lt, Wall, ROM,V3 LED Track Lt, (2) Ea Cmpt	7	\$	439	\$	3,073
55-06-1100	Cmpt Lt, Dr Swtch, Auto, Ea	8	\$	172	\$	1,376
55-06-1100	Cmpt Lt, Dr Swtch, Auto, Ea	8	\$	172	\$	1,376
55-06-1100	Cmpt Lt, Dr Swtch, Auto, Ea	8	\$	172	\$	1,376

Rosenbauer Comparison

55-06-1100	Cmpt Lt, Dr Swtch, Auto, Ea	8	\$	172	\$	1,376
55-06-1100	Cmpt Lt, Dr Swtch, Auto, Ea	8	\$	172	\$	1,376
55-06-1100	Cmpt Lt, Dr Swtch, Auto, Ea	8	\$	172	\$	1,376
55-06-1100	Cmpt Lt, Dr Swtch, Auto, Ea	8	\$	172	\$	1,376
55-06-1400	Cmpt Lt, Dr Swtch, Magnetic, Ea	2	\$	172	\$	344
56-01-1700	Siren, Elect, Whelen 295HFS2	1	\$	1,144	\$	1,144
56-02-1600	Spkr, F-S Dynamax, ES100C 100 Watt	2	\$	448	\$	896
56-02-1650	Spkr Grille, Stnls Stl, "R"	2	\$	135	\$	270
56-03-1800	Spkr Lctn, To Be Determined by Body Mfg	2	\$	128	\$	256
56-06-0550	Siren, F-S, Q2B-NN Mech, Bumper, Fully Rcstd, Left Side Chrome	1	\$	3,833	\$	3,833
56-07-1100	S.O.R. / Siren Brake, F-S, Q2B, Driver's Side (RED)	1	\$	359	\$	359
56-07-1300	Siren Cntrl, F-S, Q2B, Driver's Side Foot Swtch	1	\$	213	\$	213
56-07-1800	Siren Cntrl, F-S, Q2B, Rocker, Dual Action, Red, Console	1	\$	298	\$	298
57-02-4600	S.O.R.Q. / Lt Bar, Whelen, Freedom IV, F4NMINI, LED, 21.5" (Pair)	1	\$	5,274	\$	5,274
57-20-1200	Wrn Lt, Drvr, Whelen, M6, Red LED, Color Lens, Ea	5	\$	149	\$	745
57-20-1200	Wrn Lt, Drvr, Whelen, M6, Red LED, Color Lens, Ea	5	\$	149	\$	745
57-20-1200	Wrn Lt, Drvr, Whelen, M6, Red LED, Color Lens, Ea	5	\$	149	\$	745
57-20-1200	Wrn Lt, Drvr, Whelen, M6, Red LED, Color Lens, Ea	5	\$	149	\$	745
57-20-1200	Wrn Lt, Drvr, Whelen, M6, Red LED, Color Lens, Ea	5	\$	149	\$	745
57-20-1201	Wrn Lt, Offcr, Whelen, M6, Red LED, Color Lens, Ea	5	\$	149	\$	745
57-20-1201	Wrn Lt, Offcr, Whelen, M6, Red LED, Color Lens, Ea	5	\$	149	\$	745
57-20-1201	Wrn Lt, Offcr, Whelen, M6, Red LED, Color Lens, Ea	5	\$	149	\$	745
57-20-1201	Wrn Lt, Offcr, Whelen, M6, Red LED, Color Lens, Ea	5	\$	149	\$	745
57-20-1201	Wrn Lt, Offcr, Whelen, M6, Red LED, Color Lens, Ea	5	\$	149	\$	745
57-20-1300	Wrn Lt, Drvr, Whelen, M7, Red LED, Color Lens, Ea	1	\$	149	\$	149
57-20-1301	Wrn Lt, Offcr, Whelen, M7, Red LED, Color Lens, Ea	1	\$	149	\$	149
57-20-2000	Wrn Lt, Drvr, Whelen, LINZ6, Red LED, Clear Lens, Ea	2	\$	78	\$	156
57-20-2000	Wrn Lt, Drvr, Whelen, LINZ6, Red LED, Clear Lens, Ea	2	\$	78	\$	156
57-20-2001	Wrn Lt, Offcr, Whelen, LINZ6, Red LED, Clear Lens, Ea	2	\$	78	\$	156
57-20-2001	Wrn Lt, Offcr, Whelen, LINZ6, Red LED, Clear Lens, Ea	2	\$	78	\$	156
57-20-7010	Wrn Lt, Drvr, Whelen, 900 Red LED, Color Lens, Ea	1	\$	140	\$	140
57-20-7011	Wrn Lt, Offcr, Whelen, 900 Red LED, Color Lens, Ea	1	\$	140	\$	140
57-20-7015	Wrn Lt, Offcr, Whelen, 900 Amber LED, Color Lens, Ea	1	\$	145	\$	145
57-20-7016	Wrn Lt, Drvr, Whelen, 900 Green LED, Color Lens, Ea	1	\$	339	\$	339

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58-01-2140	Flange, Chrome, Wrn Lt, Whln, M6, Ea	8	\$	45	\$	360
58-01-2140	Flange, Chrome, Wrn Lt, Whln, M6, Ea	8	\$	45	\$	360
58-01-2140	Flange, Chrome, Wrn Lt, Whln, M6, Ea	8	\$	45	\$	360
58-01-2140	Flange, Chrome, Wrn Lt, Whln, M6, Ea	8	\$	45	\$	360
58-01-2160	Flange, Chrome, Wrn Lt, Whln, M7, Ea	2	\$	45	\$	90
58-01-2200	Flange, Chrome, Wrn Lt, Whln, LINZ6FC, Ea	4	\$	47	\$	188
58-01-2200	Flange, Chrome, Wrn Lt, Whln, LINZ6FC, Ea	4	\$	47	\$	188
58-01-2280	Flange, Chrome, Wrn Lt, Whln, 900, Ea	4	\$	42	\$	168
58-01-2280	Flange, Chrome, Wrn Lt, Whln, 900, Ea	4	\$	42	\$	168
58-03-9100	Wrn Lts, Whelen, Grille Frnt Outer Grille, (2) M7 LED	1	\$	458	\$	458
58-16-2100	Wrn Lts, Whelen, Lwr Mid Chassis (2) M6 LED	1	\$	458	\$	458
58-26-2100	Wrn Lts, Whelen, Low Mid Bdy (2) LINZ6 LED	1	\$	458	\$	458
58-36-2100	Wrn Lts, Whelen, Low Rr Side (2) LINZ6 LED	1	\$	464	\$	464
58-61-1720	Wrn Lts, Whelen, Upper Side Rr (2) #900 S-LED	1	\$	458	\$	458
58-71-1720	Wrn Lts, Whelen, Upper Rr (2) #900 S-LED	1	\$	458	\$	458
60-17-1103	Inverter/Charger Mastervolt 3000W/12V Pure Sine w/Transfer Switch	1	\$	7,414	\$	7,414
60-20-4050	Circuit Breaker Box, 3 to 5KW, 1 PH	1	\$	880	\$	880
60-25-1200	Rcptcl, 120V, 20 Amp, Strght Bld, Sngl	3	\$	335	\$	1,005
63-03-5100	Fldlgt, Fed Sig, 120V, LED Tele, Tripod w/Mntgs,	2	\$	2,248	\$	4,496
63-14-1174	Fldlt Lctn, Rr of Cab, Tripod, Left Side Only	1	\$	369	\$	369
63-14-1178	Fldlt Lctn, Rr of Cab, Tripod, Right Side Only	1	\$	369	\$	369
80-22-1800	Bdy Paint, Sngl Axle Aerial	1	\$	19,376	\$	19,376
80-34-1200	Compt Finish, Line-X Up to 8 Cmpts	1	\$	1,784	\$	1,784
80-50-4300	Lettering, Aerial Sign Panel, 22"x144"	1	\$	1,047	\$	1,047
80-50-5100	Aerial Cylinder Panels, Painted	1	\$	798	\$	798
80-70-1300	Stripe, Single Reflective, 4", Straight Design	1	\$	590	\$	590
80-72-1100	Stripe, Reflective 3M, Chevron Pattern Entire Rear Red/Yellow	1	\$	1,837	\$	1,837
80-76-0110	Reflective Stripe, Red/White, Shelves/Trays/Tool Boards, Ea	4	\$	71	\$	284
80-76-0110	Reflective Stripe, Red/White, Shelves/Trays/Tool Boards, Ea	4	\$	71	\$	284
80-76-0110	Reflective Stripe, Red/White, Shelves/Trays/Tool Boards, Ea	4	\$	71	\$	284
80-79-1000	NFPA Standing / Walking Surfaces Yellow Safety Tape (NFPA 15.7.1.6)	1	\$	482	\$	482
80-81-0100	Leveling Gauge, (1) Side-to-Side, (1) Front-to-Back	1	\$	198	\$	198
90-01-5900	Wheel Chocks Pair Zico #SAC-44 Folding w/ Mounts	1	\$	735	\$	735
90-03-3400	S.O.R. / Ladder, Roof, Duo-Safety, 16' Alum 875-DR	2	\$	1,469	\$	2,938

Rosenbauer Comparison

90-06-4700	Ladder, Ext, Duo-Safety, 28' Alum, 2 Sect 1200-A	2	\$	1,490	\$	2,980
90-10-1400	Ladder, Velocity (Little Giant), 11-19' Alum, Model 15422-001	1	\$	807	\$	807
90-16-5200	Pike Pole Mtg Tube, Intrnl, Ea	6	\$	292	\$	1,752
90-20-3000	Tool Mtg, PAC, Dual Trac, Alum Extrd, One Side, 10' Length, Ea #7020	6	\$	440	\$	2,640
90-23-1300	Hook, Roof NY, w/ Grips, 6-ft, Fire Hooks Unlmt	1	\$	375	\$	375
03-00-0711	60" Cab Length 11" Roof	1	\$	46,095	\$	46,095
03-04-0004	Cab Drip Rail Extension	1	\$	227	\$	227
03-05-0612	Driver EMS Compartment 43" Interior Height	1	\$	1,391	\$	1,391
03-05-0641	Driver Exterior Access - Hinged Door	1	\$	282	\$	282
03-05-0651	Chrome Door Handle - EMS Compartment	1	\$	144	\$	144
03-05-0653	Power Locks - EMS Compartment	1	\$	538	\$	538
03-05-0716	Interior Driver EMS Compartment Access 18.75" W x 39" H - Sweep Out	1	\$	232	\$	232
03-05-0736	Interior Access Driver EMS Compartment Roll Up Door - 43"	1	\$	214	\$	214
03-05-0812	Officer EMS Compartment 43" Interior Height	1	\$	1,391	\$	1,391
03-05-0841	Officer Exterior Access - Hinged Door	1	\$	282	\$	282
03-05-0851	Chrome Door Handle - EMS Compartment	1	\$	144	\$	144
03-05-0853	Power Locks - EMS Compartment	1	\$	455	\$	455
03-05-0916	Interior Officer EMS Compartment Access 18.75" W x 39" H - Sweep Out	1	\$	232	\$	232
03-05-0936	Interior Access Officer EMS Compartment Roll Up Door - 43"	1	\$	214	\$	214
03-05-6503	Cabinet, Center Fwd Facing, Ceiling Mt, Hng Dr 92" W x 20.5" D x 12" H	1	\$	5,424	\$	5,424
03-05-9000	Compartment Shelf	4	\$	288	\$	1,152
03-05-9000	Compartment Shelf	4	\$	288	\$	1,152
03-06-0014	SS Steps w/Round Hole and Star Extrusion Lower, Treadplate Middle	1	\$	1,551	\$	1,551
03-06-0021	Step Trim Kickplate, Treadplate	1	\$	379	\$	379
03-06-0160	Aux. Lower Cab Steps, Breakaway Stirrup Steps	1	\$	1,390	\$	1,390
03-06-1026	Barrier Free Cab Entry Doors	1	\$	186	\$	186
03-06-1071	Cab Door Insulation - 4 Door Cab	1	\$	1,103	\$	1,103
03-06-1100	Cab Door Hardware Chrome (4)	1	\$	1,469	\$	1,469
03-06-1127	Power, Cab Door Locks (4) Entry Doors w/Driver, Officer Keyless Entry	1	\$	1,842	\$	1,842
03-06-1140	Interior 1-Piece Door Panel Type Stainless Steel	1	\$	1,186	\$	1,186
03-06-1211	Door Jamb Scuff Plate, S/S 11" RR	1	\$	744	\$	744
03-08-0014	Heated Windshield One Piece - COMMANDER	1	\$	1,453	\$	1,453
03-08-0093	Windshield Wiper System Single Motor (3) Wipers	1	\$	2,889	\$	2,889
03-08-0151	Window Light Gray Tint Driver Power	1	\$	1,508	\$	1,508

Rosenbauer Comparison

03-08-0153	Window Light Gray Tint Officer Power	1	\$	1,240	\$	1,240
03-08-0226	Window Light Gray Tint Driver Crew Door Power	1	\$	1,262	\$	1,262
03-08-0252	Window Light Gray Tint Officer Crew Door Power	1	\$	1,262	\$	1,262
03-09-000B	Dual Retractor Seat Belt - Seats Inc	4	\$	152	\$	608
03-09-000B	Dual Retractor Seat Belt - Seats Inc	4	\$	152	\$	608
03-09-000B	Dual Retractor Seat Belt - Seats Inc	4	\$	152	\$	608
03-09-0126	Seat Back SCBA IMMI Smart Dock	3	\$	663	\$	1,989
03-09-0126	Seat Back SCBA IMMI Smart Dock	3	\$	663	\$	1,989
03-09-01X3	Seat Driver 911 Seats Inc XL 10-Way Electric ABTS	1	\$	2,277	\$	2,277
03-09-024D	Seat Officer 911 XL Seats Inc 6-Way Electric ABT	1	\$	2,191	\$	2,191
03-09-02X3	Seat Mounting Driver Electric XL - Seats Inc	1	\$	372	\$	372
03-09-02X8	Seat Mounting Officer Electric XL Seats Inc	1	\$	408	\$	408
03-09-055B	Seat Crew Forward Facing Center 911 Seats Inc XL Flip-up	2	\$	1,000	\$	2,000
03-09-057A	Seat Mounting Forward Facing Center - XL	2	\$	114	\$	228
03-09-0924	Seat Logo Fire Department - 911 Seats Inc	1	\$	109	\$	109
03-09-0926	Seat Logo Fire Department - 911 Seats Inc	3	\$	109	\$	327
03-09-0926	Seat Logo Fire Department - 911 Seats Inc	3	\$	109	\$	327
03-09-0942	Seat Logo Fire Department (Set Up Fee)	1	\$	938	\$	938
03-09-3105	Seat Box (3 person) Forward Facing, Charger and/or Compressor Install	1	\$	783	\$	783
03-09-4001	Seat Box Finish - Match Cab Interior Coating	1	\$	203	\$	203
03-09-7026	Cab Insulation Interior Ceiling 60/11"	1	\$	773	\$	773
03-09-8017	Cab Insulation Underbody, 54" & 60" Cab	1	\$	460	\$	460
03-09-BC01	SILENCE BUTTON FOR SEAT BELT ALARM ON MULTIPLEX SCREEN	1	\$	158	\$	158
04-01-0155	===11 Raised Cab 60" Interior Trim ===	1	\$	732	\$	732
04-01-1075	Interior Trim Color Gray, 60"- 11" Roof	1	\$	3,463	\$	3,463
04-01-1120	Interior Trim Color Gray Rear Wall 11" Roof	1	\$	1,236	\$	1,236
04-01-4004	Outer Rear Wall Pac Trac - 8" & 11" RR	1	\$	1,473	\$	1,473
04-02-1100	Interior Floor Covering Color Gray, 60"	1	\$	2,036	\$	2,036
04-03-1010	Cab Dash & Engine Tunnel Coating Gray Polyurethane	1	\$	550	\$	550
04-03-1204	Flat Mounting Plate - Engine Tunnel, Composite Dash, Long Tunnel	1	\$	606	\$	606
04-03-2000	Officer MDT Mount	1	\$	570	\$	570
04-03-2100	Officer Glove Compt - Composite Dash	1	\$	416	\$	416
04-04-1111	Mic Tab(s)	1	\$	64	\$	64
04-04-1142	Map Light, Federal Signal, LF12TSB-LED	1	\$	267	\$	267

Rosenbauer Comparison

04-05-0110	Interior Handle Front Door Grab Handles - Yellow Powder Coat	1	\$	427	\$	427
04-05-0151	Interior Grab Handle Rear Door Chicago Style 34" Yellow Powder Coat	1	\$	273	\$	273
04-05-0182	Additional Grab Handles, "A" Pillar	1	\$	219	\$	219
04-05-0211	Exterior Grab Handles with White LED Lighting 18"	4	\$	135	\$	540
04-05-2060	Exterior Grab Handles Stainless Steel Scuff Plate 18"	8	\$	193	\$	1,544
04-08-0052	Department Name Laser Cut Center Grille Bar	1	\$	2,907	\$	2,907
04-08-0072	Front Grille Inlay - Commander - Painted American Flag	1	\$	2,568	\$	2,568
04-08-0101	Front Grille, 3D Stainless Steel, Custom Backlit Name	1	\$	1,469	\$	1,469
04-09-0162	Cab Exterior Trim Stainless Steel Rear Corners, 11" Roof w/Rear Compartment	1	\$	1,144	\$	1,144
04-09-0182	Stainless Steel Rear Wall Cap	1	\$	257	\$	257
05-00-5165	Retrac-W Cst-Drv Dr Mt (613770)-Off Dr Mt	1	\$	900	\$	900
05-01-1055	Cab Coating Interior Gray Polyurethane	1	\$	1,684	\$	1,684
05-01-1800	Driver EMS Compartment Interior Finish DA Sand	1	\$	151	\$	151
05-01-1810	Officer EMS Compartment Interior Finish DA Sand	1	\$	151	\$	151
05-01-7000	Paint Spray Out	2	\$	59	\$	118
05-02-0010	Heating w/ Air Conditioning, Overhead, Multiplex	1	\$	7,692	\$	7,692
06-00-1632	500HP Cummins X12 - 2021	1	\$	55,006	\$	55,006
06-02-1121	Fan Clutch - X12	1	\$	1,508	\$	1,508
06-02-2006	AC Compressor - X-12	1	\$	388	\$	388
06-03-1026	Engine High Idle Control Manual & Automatic Switch Dr Panel - VMUX	1	\$	251	\$	251
06-03-2023	Fluid Checks & Fills at Grille, Commander - X12	1	\$	202	\$	202
06-04-2104	Engine Cooling System - X12 - Commander	1	\$	6,733	\$	6,733
06-04-4011	Coolant Valve Shut Off Valve w/Connection - For Additional Heater - X-12	1	\$	180	\$	180
06-04-4021	Coolant Overflow Reservoir	1	\$	226	\$	226
06-05-1010	Engine Pump Heat Exchanger X-12 - Commander	1	\$	469	\$	469
06-05-3022	Engine Air Intake Filtration and Restriction X-12, Commander	1	\$	893	\$	893
06-06-4006	DEF Tank - Commander	1	\$	1,474	\$	1,474
07-01-0502	Transmission Fluid - Synthetic	1	\$	327	\$	327
07-04-0216	Fuel Lines Aramid Braid	1	\$	107	\$	107
07-04-0230	Fuel Cooler Rearward of Battery Box	1	\$	668	\$	668
07-05-010D	Front Axle Hendrickson SteerTek 24000	1	\$	4,854	\$	4,854
07-05-0286	Front Suspension Hendrickson Parabolic Spring 24K Low Profile	1	\$	3,115	\$	3,115
07-05-0315	4 Spoke Steering Wheel with ESC Tilt/Telescopic 18"	1	\$	1,170	\$	1,170
07-05-0345	Power Steering Gear TRW TAS 85 w/Assist- 20K and up - X12 Steertek Axle	1	\$	5,599	\$	5,599

Rosenbauer Comparison

07-05-0500	Mud/Snow Switch	1	\$	242	\$	242
07-06-0134	Rear Axle, Single 35000# Meritor RS-35-185	1	\$	12,388	\$	12,388
07-06-020F	Rear Suspension Hendrickson Air Ride 33000# - 35000#	1	\$	8,625	\$	8,625
07-06-0450	Suspension Controls - Kneeling	1	\$	1,001	\$	1,001
07-06-0480	Groeneveld Automatic Lubrication System	1	\$	5,995	\$	5,995
07-07-0201	(2) Steer Tires 425/65R 22.5 Michelin XFE "L"	1	\$	2,562	\$	2,562
07-07-0351	(4) Rear Tires 315/80R 22.5 Michelin XDN2 Grip "L"	1	\$	4,311	\$	4,311
07-07-0748	(2) Front Wheels Alcoa Dura-Bright 22.5 x 12.25 Aluminum	1	\$	1,527	\$	1,527
07-07-0980	Wheel Guards - Single Axle	1	\$	193	\$	193
07-08-0203	Front Brakes Meritor EX225 Disc 17"	1	\$	1,769	\$	1,769
07-08-0513	Air tank 1700 Cu In	1	\$	488	\$	488
07-08-0556	Moisture Ejectors with Cable/Auto Heated Wet Tank	1	\$	239	\$	239
07-08-0590	Air Horn Shutoff Valve	1	\$	200	\$	200
07-08-0725	Air Horn Reservoir (1) 1200 Cu In	1	\$	454	\$	454
07-09-0040	Wheelbase Range 200" - 219"	1	\$	424	\$	424
07-09-0071	Rear Overhang	1	\$	257	\$	257
07-09-0137	Frame/Front Extension Hot Dip Galvanized	1	\$	3,960	\$	3,960
08-00-023A	Battery Box Driver/Officer Side Hot dipped Galvanized Steel w/Covers - 6 Battery	1	\$	2,004	\$	2,004
08-00-0415	Alternator Leece-Neville 420 Amp, Brushless	1	\$	2,723	\$	2,723
08-00-0504	Headlights, LED, Quad, with Rectangular Bezel - JW Speaker	1	\$	2,844	\$	2,844
08-00-0521	DRL & Wig Wag, Alternating Headlights - VMUX	1	\$	435	\$	435
08-00-0603	Front Turn Signals Whelen M6 LED (2)	1	\$	360	\$	360
08-00-061C	Side Marker Light LED - Chrome (2)	1	\$	170	\$	170
08-00-0712	Driver Mid EMS Compt Lighting LED Strip 36"	1	\$	235	\$	235
08-00-0714	Officer Mid EMS Compt Lighting LED Strip 36"	1	\$	235	\$	235
08-00-0718	Compartment Light, Wall, ROM, V3 LED Track Light, (1) Each Compartmentt	2	\$	431	\$	862
08-00-0718	Compartment Light, Wall, ROM, V3 LED Track Light, (1) Each Compartmentt	2	\$	431	\$	862
08-00-072D	Ground Lights LED Whelen 35C0CDC	4	\$	118	\$	472
08-00-0735	Cab Step Lights LED (1 Per Door)	4	\$	144	\$	576
08-00-0742	Interior Door Warning Lights Amber 3" LED	4	\$	104	\$	415
08-00-0791	Interior Overhead LED Lighting - Red/Clear	1	\$	586	\$	586
08-00-3520	Sptlt, GoLight 20204, LED, Wired Remote, White, On Cab Roof - Driver Side	1	\$	839	\$	839
08-00-3522	Sptlt, GoLight 20204, LED, Wired Remote, White, On Cab Roof - Officer Side	1	\$	839	\$	839
08-00-4090	Dr Open/Hazard Wrn Lt, Flash, Whelen 35R00FRR LED Rnd (Do Not Move Appar	1	\$	268	\$	268

Rosenbauer Comparison

08-01-0010	Instrumentation Standard Gauge Panel	1	\$	1,162	\$	1,162
08-01-0040	Power & Ground Stud 40A Battery Direct / 15A Ignition	1	\$	186	\$	186
08-01-0051	Driver & Officer VISTA Display Weldon Vista IV	1	\$	2,939	\$	2,939
08-01-0054	Driver Panel / Switch Panel (6 Switches) Under the Vista Screen	1	\$	522	\$	522
08-01-0140	Instrumentation Panel Inlay - Job Color	1	\$	61	\$	61
08-01-0206	Auxiliary Engine Brake Control On/Off & Low/Med/Hg Switch Driver Panel VMUX	1	\$	803	\$	803
08-01-0300	Power Door Lock Activation, Cab Door	1	\$	415	\$	415
08-01-0301	Power Window Activation, Respective Door	1	\$	765	\$	765
08-01-0753	Step Lights Activated Respective Side	4	\$	38	\$	152
08-01-0800	Grab Handle LED Light Actvtn w/ Parking Brake	4	\$	163	\$	652
08-01-0820	Rearview Mirror Remote Switch Driver's Panel	1	\$	379	\$	379
08-01-0855	Power Door Lock Cab Doors Activated Hidden Switch w/2 Key Fobs	1	\$	587	\$	587
08-02-0176	Accessory Power Distribution Panel - 12 Position 40A Battery Direct W/ Ground	1	\$	613	\$	613
08-02-0177	Accessory Power Distribution Panel - 12 Position 40A Master Switch W/ Ground	1	\$	613	\$	613
08-02-0511	Aux Pwr & Gnd Stud 40A Mstr Sw	1	\$	238	\$	238
08-02-0512	Aux Pwr & Gnd Stud 40A Batt Direct	1	\$	238	\$	238
08-02-0520	Power Cable for Additional Power Studs	1	\$	316	\$	316
08-02-0610	Weldon VDR/Seat Belt Warn - VISTA	1	\$	1,064	\$	1,064
08-03-0110	Communication Antenna Base Cab Roof - RBM Supplied	3	\$	206	\$	618
08-05-1100	Aerial Interface - Rosenbauer Aerial - Multiplex	1	\$	478	\$	478
08-05-1150	RSD Aerial Mount	1	\$	415	\$	415
08-05-2003	Aerial Pre Wire - V-Mux	1	\$	1,511	\$	1,511
08-06-7025	FRC InView 360 Camera System - Driver Vista	1	\$	3,694	\$	3,694
08-08-0007	Battery Charger Location - FFC Seat Box Installation	1	\$	643	\$	643
08-08-0027	Air Compressor Location - FFC Seat Box Installation	1	\$	643	\$	643
08-08-10BS	Air Brake Compressor, Blue Sea, 12V	1	\$	1,162	\$	1,162
08-08-20AR	Shoreline, Super Auto Eject, 20A, Red	1	\$	465	\$	465
08-08-BS40	Blue Sea P12 Battery Charger w/ EV 7517 Indicator	1	\$	1,707	\$	1,707
08-09-0177	Cummins Full Coverage 8 Year Extended Warranty	1	\$	8,638	\$	8,638
08-09-0506	Operation & Part List Manuals (2) Sets, USB Drive + Printed Operation Manual	1	\$	486	\$	486
08-09-0510	Engine Service Manual Cummins ISL/ISX (1) Set	1	\$	454	\$	454
08-09-0520	Transmission Service Manual Allison 3000EVs / 4000EVs (1) Set	1	\$	212	\$	212
10-06-1700	Indicator, Tire Pressure, PressuerPro TPMS, Sngl Axle	1	\$	2,662	\$	2,662
10-13-3540	Exterior Finish, Cabinet, To Match Cab Interior	1	\$	453	\$	453

Rosenbauer Comparison

10-13-3560	Interior Finish, Cabinet, DA Sanded	1	\$	341	\$	341
00-04-1030	In Process Photos	1	\$	380	\$	380
00-09-1410	Aerial Warranty, 5 Years, Material & Workmanship	1	\$	6,073	\$	6,073
00-09-3050	Waterway Extended Warranty, 10 Year Total	1	\$	1,200	\$	1,200
00-09-7125	Aerial Ladder Section, Paint Warranty, 5 Years	1	\$	3,797	\$	3,797
01-00-2020	Handrails on Turntable, Steel, Line-X Black	1	\$	805	\$	805
01-00-2054	Handrail Orientation; Bent Outward	1	\$	198	\$	198
01-00-2210	Galvanized/Painted Outriggers: Black	1	\$	506	\$	506
10-07-3050	Roof Ladder, Duo Safety, 875-DR, 16', Alum	1	\$	846	\$	846
10-07-6125	Rescue Basket, Outside Base, w/Alum Box, Junkins: JSA-200	1	\$	1,630	\$	1,630
10-08-2200	Ladder Brthg Air System, ASME, (1)6000, (2)Outlets	1	\$	7,395	\$	7,395
10-08-5375	Brthg Air System, 100' Refill Hose, Vlv, w/Quick Connect	1	\$	887	\$	887
10-08-6200	Brthg Air System, Air Outlet, Quick Cnct, T/table	1	\$	151	\$	151
45-03-2020	Maximus Halligan Tool, 30" Long, Tip of Fly	1	\$	496	\$	496
45-03-3200	Pike Pole Bolt On Mounting Brackets, Tip of Fly Section	1	\$	98	\$	98
45-03-4000	Pike Pole, I-Beam, 12', Fiberglass Handle	1	\$	182	\$	182
50-02-1010	Command Pedestal Lid	1	\$	253	\$	253
50-04-1200	Ladder Tip Remote Control Operation, Toggle Switches	1	\$	4,296	\$	4,296
50-08-1510	One (1), Harness Storage Box, Line-X	1	\$	805	\$	805
50-11-1410	Turntable Control Lid/Door Ajar	1	\$	442	\$	442
50-20-1200	Aerial Lubrication, Automatic System	1	\$	2,384	\$	2,384
60-03-1030	Tow Eye Mounts	1	\$	139	\$	139
65-02-1110	Stabilizer, 2 Front Up-Down, (Additional)	1	\$	4,825	\$	4,825
65-04-1410	Outrigger Control Valves, Electric, Proportional, (2) Out-Down	1	\$	1,772	\$	1,772
65-06-1420	All Jacks Up Switch	1	\$	1,330	\$	1,330
70-00-1107	Preformance Capabilities, Ladder, 1500 GPM, -10/+75, Smart Flow, 750#	1	\$	1,674	\$	1,674
70-02-1130	Waterway, Akron 4" Butterfly Valve, Electrically Operated	1	\$	3,722	\$	3,722
70-13-1201	Wireless Radio Remote: Aerial, Monitor & Outriggers	1	\$	7,605	\$	7,605
70-17-1016	Monitor, Akron, 3486, Elec, StreamMaster II with AVM	1	\$	9,705	\$	9,705
70-17-1130	Nozzle, Akron, 5178, 1500 GPM	1	\$	2,222	\$	2,222
70-18-1300	Stacked Tips, Akron, 2499, Straight Bore Tips	1	\$	1,025	\$	1,025
70-19-1300	Stream Shaper, Akron, Mini	1	\$	300	\$	300
80-10-1240	Tracking Light, Base Section, (1) Hi-Viz: FT-MB-33-FT-W	1	\$	2,271	\$	2,271
80-14-1200	Ladder Bed Cradle Lights, (2), LED, Whelen: 3SC0CDCR	1	\$	95	\$	95

Rosenbauer Comparison



81-44-1400	Tip Lights, Tip of Ladder, (2), FireTech HiViz FT-WL-X-5H-FT-W	1	\$	912	\$	912
85-45-2000	Receptacle, Ladder Tip, 120V, 15A, (1)Circuit, (1)Outlet	1	\$	1,099	\$	1,099
87-10-3000	Ladder Rung Lights, (2), Red (fly), White (mid), Blue (base)	1	\$	4,960	\$	4,960
88-01-1200	Overload Warning Light, (1) Tomar Strobe, Amber 470S-1280-A	1	\$	87	\$	87
90-01-3400	Hydraulic System, Filter, Return Line, Ship Loose	1	\$	48	\$	48
90-01-3600	Hydraulic System, Filter, HP, Ship Loose	1	\$	225	\$	225
90-10-1200	Special Tools	1	\$	832	\$	832
90-10-2200	Aerial Lubrication, (2)Cans, Ship Loose	1	\$	41	\$	41
						\$ 874,716

Sourcewell Base Price (Pricing tabs 5, 16 & 21)	\$ 963,432
Credits	\$ 389,989
Additions	\$ 874,716
Sourcewell Ceiling Price	\$ 1,448,159
Bid Price	\$ 1,424,750



CITY OF AUBURN HILLS CITY COUNCIL AGENDA

MEETING DATE: MARCH 6, 2023

AGENDA ITEM NO 9B

ASSESSING DEPARTMENT

To: Mayor and City Council
From: Thomas A. Tanghe, City Manager; Ben Griffin, Commercial/Industrial Appraiser
Submitted: March 1, 2023
Subject: Motion – Move to approve the IFEC claw back and for recipient, Total Filtration Systems Inc, to pay back the full tax benefit that IFEC provided of \$41,983.27.

INTRODUCTION AND HISTORY

Total Filtration Services Inc applied for an Industrial Facilities Exemption Certificate (IFEC) on March 20, 2015. The IFEC application was accepted by the City Council on April 27, 2015. Following the acceptance from City Council the State Tax Commission granted the IFEC on September 22, 2015. The Certificate number for the IFEC is 2015-105. To obtain the IFEC, the applicant had to agree to operate out of the facility located on the real property parcel 02-14-14-126-027, or 2501 Commercial Dr, Auburn Hills, Michigan, until December 30, 2025. It has come to the attention of the Assessing Department that Total Filtration Services Inc has ceased operations at the above referenced location on January 15, 2023. This violates the Tax Incentive Agreement signed by the applicant on April 3, 2015. Due to this violation the City Council holds the right to claw back the IFEC and Total Filtration Services Inc must pay back the full tax benefit of \$41,983.27 it received from the IFEC.

STAFF RECOMMENDATION

Total Filtration Services Inc failed to comply with the tax incentive agreement that granted them an IFEC exemption for the property at 2501 Commercial Dr, Auburn Hills, Michigan. Staff recommends City Council invoke the claw back provision provided in the Tax Incentive Agreement signed by Total Filtration Services Inc on April 3, 2015.

MOTION

Move to approve the IFEC claw back and for recipient, Total Filtration Systems, to pay back the full tax benefit that the IFEC provided in the amount of \$41,983.27.

I CONCUR:

THOMAS A. TANGHE, CITY MANAGER

Claw Back for parcel # 02-IN-15-100-105

	2016		2017		2018		2019		2020		2021		2022	
City General	\$	985.98	\$	994.85	\$	1,015.74	\$	1,040.11	\$	1,057.31	\$	1,072.10	\$	1,107.48
City Fire	\$	1,168.22	\$	1,178.73	\$	1,203.48	\$	1,232.36	\$	1,252.76	\$	1,270.29	\$	1,312.20
City Police	\$	2,797.05	\$	2,822.22	\$	2,881.48	\$	2,950.62	\$	2,999.44	\$	3,041.42	\$	3,141.76
City Library	\$	329.01	\$	331.97	\$	338.95	\$	347.08	\$	352.82	\$	509.34	\$	526.14
City Roads									\$	753.46	\$	764.01	\$	789.21
Total	\$	5,280.26	\$	5,327.77	\$	5,439.65	\$	5,570.17	\$	6,415.79	\$	6,657.16	\$	6,876.79

Total Owed \$ 41,567.59
 \$ 415.68 Admin fee (1%)
 \$ 41,983.27



CITY OF AUBURN HILLS CITY COUNCIL AGENDA

MEETING DATE: MARCH 6, 2023

AGENDA ITEM NO 9C

CITY CLERK'S OFFICE

To: Mayor and City Council
From: Thomas A. Tanghe, City Manager; Laura M. Pierce, City Clerk
Submitted: March 1, 2023
Subject: Motion – To consider the 2023 Liquor License Renewals

INTRODUCTION AND HISTORY

Every year, City Council reviews the On-Premises Liquor Licenses within the City for renewal. Per State law and local ordinance, the only liquor licenses that need to be renewed by City Council and the MLCC are those businesses that serve alcohol for consumption on premises. The City expanded the license requirement in 2022 to include the establishments that serve alcohol for consumption on premises holding a manufacturer and on-premise retailer license. If the City wishes to object to the renewal of a license, the Michigan Liquor Control Commission (MLCC) must receive the written objection prior to the license expiration date of March 30, 2023. Upon receipt of an objection from the City, the MLCC may hold an Administrative Revocation Hearing to determine if the license should be renewed or not.

To ensure the close monitoring of LCC licenses, City Council has enacted Chapter 6 of the Code of Ordinances, "...to regulate and establish procedures and standards for liquor licensing in the City of Auburn Hills." Pursuant to this ordinance, license holders pay a renewal fee to the City and are inspected by the Police, Fire, and Building Departments. City Council may object to the renewal of the liquor license if certain standards are not met as listed in the City Code:

- Section 6-10 (1) Compliance with all standards, plans and conditions established and approved at the time of the issuance of the license or at a time of later city approval.
- Section 6-10 (2) All personal property taxes and all real property taxes and all other obligations due and payable to the City shall be timely paid and not outstanding.
- Section 6-11 (1) Failure to comply with any of the standards, conditions, requirements, plans or agreements entered into in consideration for the issuance of the license.
- Section 6-11 (4) Violations of state law or city ordinances.

CITY INSPECTIONS

The Building Department and Fire Department found several violations at licensed liquor establishments within the City and is working with the businesses to correct the issues. Both departments recommend approval for all establishments, except for Got Wings. The establishment is closed for renovation. A stop work order has been issued until the establishment has submitted plans and obtain the proper permits.

The Police Department checks its computer records for the number of calls for service at each establishment and the nature of the requests. The Police Department determined that no establishments had substantial problems with the frequency or nature of calls for service.

LIQUOR LICENSE VIOLATIONS – 3 YEAR HISTORY

The Police Department provides a list of establishments that have received violations within the past three years. Please note that due to the Covid-19 pandemic, the Police Department did not conduct sting operations on

establishments in 2020. In 2021, due to staffing shortage, sting operations were only done on establishments with complaints. All those establishments passed. Below are the results from 2022.

ESTABLISHMENT	TYPE OF VIOLATION	DATE OF VIOLATION
Crowne Plaza	Sale to Minor	7/27/22
Hoops Sports & Spirits	Sale to Minor	7/27/22
Hyatt Place Hotels	Sale to Minor	7/27/22
Sonesta Select	Sale to Minor	7/26/22
The Olive Garden	Sale to Minor	7/26/22

UNPAID LICENSE FEE, TAXES OR UTILITIES

Below is a list of establishments with outstanding taxes, utilities, or license renewal fees, including penalties. The information contained in this memo is current as of March 1, 2023.

ESTABLISHMENT	WATER/SEWER DUE	TAXES DUE	APPLICATION FEE	TOTAL BALANCE DUE
Sonesta Select	\$120.30 (penalty)	-	-	\$120.30
Got Wings	-	-	\$350.00	\$350.00
Rochester Mills Brewery & Tap Room	\$9,347.43	\$23,927.12	-	\$33,274.55

Staff has been in contact with each establishment and has informed them of their balance owed to the City and the impact it could have on their liquor license.

- AMC Great Lakes paid their taxes late and now owe the penalty.
- Sonesta Select paid their water late and now owe the penalty.
- Got Wings has not paid their liquor license renewal fee. The late fee has been added.
- Rochester Mills is aware of the outstanding water and taxes owed to the City. They informed staff that they are still recovering from covid and have supply chain issues. Staff encouraged them to contact Oakland County to enter into a payment plan for their taxes.

LICENSES IN ESCROW

According to the Michigan Liquor Control Commission website, there are six Class C On-Premise licenses in escrow.

LICENSEE IN ESCROW	ADDRESS
Dimitri's Opa Restaurant	3315 Auburn Rd
Duffy's Pub, LCC*	3324 Auburn Rd
Smakem Auburn Hills, LLC (Palace)	3777 Lapeer Rd
Taub-Co License LLV	4248 Baldwin Rd
Two One Ventures, LLC (Game Time)	3880 Lapeer Rd
Auburn Hills TIFA	3329 Auburn Rd

*The license for Duffy's Pub is currently in escrow. A "conditional" license was issued by the LCC to M&D Downtown Auburn Hills, LLC located at the Duffy's location 3320-3324 Auburn Rd. A conditional license allows an applicant for the transfer of ownership of a Class C license to operate the business before final approval of the permanent license transfer. Conditional licenses expire after one year if the permanent license request has not been completed.

Conditional licenses cannot be renewed. The conditional license for M&D Downtown Auburn Hills expires in December, 2023.

ELIGIBLE FOR RENEWAL

The following establishments have met all requirements for license renewal in accordance with Police, Fire and Building Department inspections and have paid the annual license renewal fee, taxes, and utilities:

A+ King Crab	Fieldstone Golf Club	O'Brien's Crabhouse
Alfoccino's Restaurant	German American Club	On the Border
AMC Great Lakes 25	Hoops Food, Sports & Spirits	Rainforest Café
American Legion Post #143	Hub Stadium	Rangoli Indian Cuisine
Applebee's	Hyatt Place Hotel	Red Ox Tavern
Bar Louie	Lelli's Inn	Round One Entertainment
Blue Skies Brewing, LLC	Longhorn Steakhouse	The Olive Garden
Buddy's Pizza	M&D Downtown Auburn Hills	Top Golf
Chili's Grill & Bar	Michigan By the Bottle	Twin Peaks Restaurant
Crowne Plaza	Miyako	
Embassy Suites	Nino's Italian House	

STAFF RECOMMENDATION

Staff recommends renewal of all liquor licenses for those establishments listed above that have met the City's requirements.

Staff recommends a Public Hearing be held to consider non-renewal of the liquor license for the establishments that owe fees to the City and are in violation of the City ordinances:

Sonesta Select	Section 6-10 (2)	Outstanding fees owed to the City
Rochester Mills Brewery & Tap Room	Section 6-10 (2)	Outstanding fees owed to the City
Got Wings	Section 6-10 (1) & (2) Section 6-11 (1) & (4)	Outstanding fees owed to the City Non-compliance with City standards, plans, conditions Violations of City Ordinances

MOTION #1

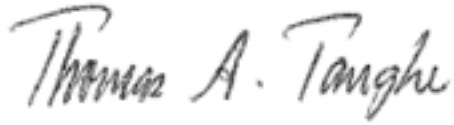
Move to recommend approval of the annual liquor licenses of those establishments that have met the licensing requirements of the City as stated above.

AND

MOTION #2

Move to set a public hearing for Monday, March 20, 2023 to consider evidence regarding the recommendation of non-renewal of a liquor license to those establishments listed above who have not met the City's requirements as stated in Sections 6-10 and 6-11 of the City Code.

I CONCUR:

A handwritten signature in dark ink, reading "Thomas A. Tanghe". The signature is written in a cursive style with a large, looping 'T' and a trailing flourish.

THOMAS A. TANGHE, CITY MANAGER



February 15, 2023

Ms. Laura Pierce, Clerk
City of Auburn Hills
1827 N. Squirrel
Auburn Hills, MI 48326

Dear Ms. Pierce:

We are committed to keeping you and our customers informed about changes to Xfinity TV services. Accordingly, please note the changes below. Impacted customers are being notified through bill message.

On March 28, 2023, NewsNation HD will move from channel 1420 to channel 1116 on Popular TV/Digital Starter, no longer will be available on Entertainment and will be added to Sports & News on channel 1116. NewsNation will no longer be available on Entertainment and will be added to Sports & News; GrioTV HD will move from channel 1116 to channel 1636 on Popular TV/Digital Starter, no longer available on Sports & News and will be added to Entertainment. Requires X1 TV Box or compatible customer owned device. HD Technology Fee required.

Additionally, on April 11, 2023, INSP and INSP HD will move from Limited Basic/Choice TV to Entertainment and Digital Starter; INSP HD will move from channel 1655 to channel 1431; Great American Family will move from channel 1620 to channel 1461 remaining on Entertainment and Digital Starter; Requires X1 TV Box or compatible customer owned device. HD Technology Fee required to receive HD channels.

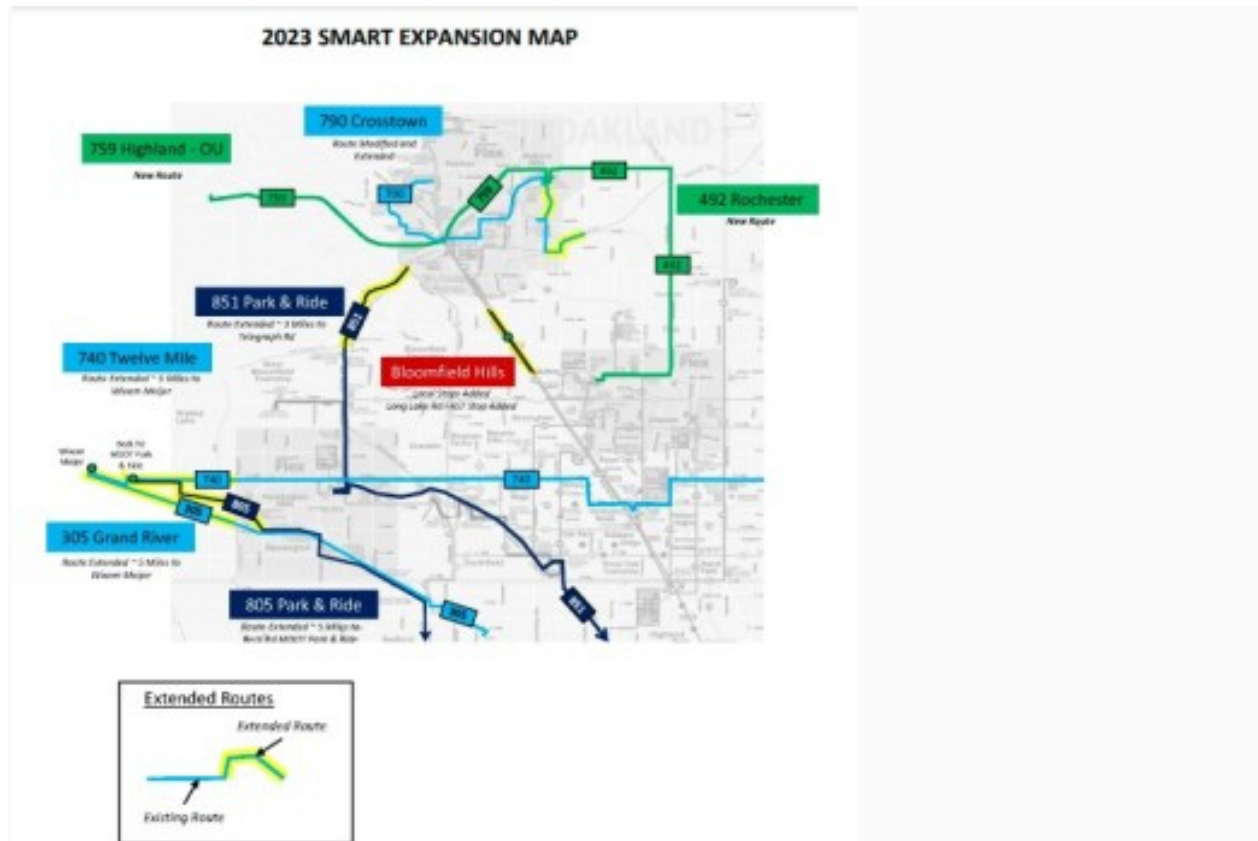
Please feel free to contact me at 248-924-4917 if you have any questions.

Sincerely,

Eric Woody
Manager of External Affairs
Comcast, Heartland Region
41112 Concept Drive
Plymouth, MI 48170

Oakland Co. transit plans roll ahead

Buses on order, contracts and other foundation work underway



A map of proposed routes under the new transit millage. (SMART)

By **PEG MCNICHOL** | pmcnichol@medianewsgroup.com |

PUBLISHED: February 16, 2023 at 7:54 a.m. | UPDATED: February 16, 2023 at 8:46 p.m.

The county commission unanimously approved a series of transit-related resolutions at Thursday's meeting.

It is the largest investment in transportation in county history. One element of the new plan is a \$500,000 local transit reimbursement program. This allows communities with current transit programs to submit requests for reimbursements for costs between Jan. 1 and Dec. 31. Reimbursement requests will include performance reports on ridership, services provided, and expenditures.

In December, property owners started paying for the new countywide transit millage approved in November. The millage is expected to generate an estimated \$69.2 million this year.

Transitioning to an integrated system requires a series of steps, starting with contracts for current and future services, as well as setting up the process for paying the existing transit systems: SMART, North Oakland Transit Authority (NOTA), West Oakland Transit Authority (WOTA) and the Older Persons' Commission (OPC). Contracts approved by the commission Thursday — all of

which must be approved by the respective transit agencies — will provide \$41.7 million to SMART, just over \$3.4 million to WOTA, \$28 million to NOTA, and \$1.9 million to OPC.

Three-year contracts with each agency will include first-year transitional financial support. Each document includes a scope of work and budget as well as insurance requirements and payment and reporting schedules. The county's plans include working with Downtown Development Authorities in individual communities to coordinate how they use the transit taxes they collect, and funding for individual communities that operate limited transit services, such as Independence Township.

Among the priorities is keeping existing services, especially for SMART, as plans are created showing how each system will expand routes and support services.

Smart has a \$10 million proposed expansion. Bloomfield Hills would get Woodward bus stops. The Grand River Avenue route would be expanded to Novi, Farmington Hills and Wixom. Routes for Rochester and Walton roads would extend into Troy, Auburn Hills, Rochester Hills and Rochester. The current Orchard Lake Road route would extend into Bloomfield Hills, Orchard Lake, Keego Harbor and Sylvan Lake. Route 790, which serves Pontiac and Auburn Hills would be expanded. All routes would get paratransit service required under the Americans With Disabilities Act. Some routes would operate for longer hours.

Equipment and technology will be upgraded for NOTA, WOTA and the OPC so they're ready to expand service when new vehicles arrive later this year. They'll also standardize fares at \$2 per ride.

The county's chief deputy executive, Hilarie Chambers, who oversees Emergency Management and Homeland Security, Health and Human Services and Public Services is coordinating the transit changes.

She told members of the commission's finance committee a transit fund account now exists to accept the millage money. Commissioners already approved a three-person transit division within the economic development office and interviews are underway.

Among the challenges to expansion: Vehicles on back order and the need for drivers.

Other changes involve evaluations that will lead to pay raises for drivers, to keep the systems competitive with other markets and SMART's current negotiations with drivers for a new contract. SMART's general manager, Dwight Ferrell said SMART currently pays drivers more than Detroit's transportation department does.

The big challenge, he said, is attracting drivers — one example he cited is Boston's transit system, which currently has 2,000 openings. In Oakland County, Ferrell said, plans are underway for a recruitment event that would give job seekers a chance to test drive a bus. Details will be released in the near future.

"It's not just a pay issue. It's a work-rules issue," he said, adding that quality of life has shifted from conditions where hours rates determine quality of life to a work-life balance that gives people more time with their families for bus operators, mechanics and cleaners. SMART will be

making a greater effort to diversify SMART workforce, by increasing the number of Arab and Hispanics at every level of the organization.

"Anyone hired for a public transit job would have to pass a background check, Farrell said.

Other changes that need to be made to accommodate new bus routes, Ferrell said, involve installing new bus stops, sidewalks, curb cuts and coordinating traffic signal timing.

"We want to make sure the county isn't paying for everything," Chambers said, saying state and federal grants will help the county stretch millage dollars.

Kyle Jen, the county's chief financial officer, told the committee money from the old millage was passed through to the county's public transit authority. Last year, SMART received \$31 million from that fund for a six-month period. Jen said the current plan is to provide \$31 million from the new fund for SMART for a six-month period for a consistent cash flow to support the current baseline service.

Possible I-75 ramp removal to be discussed at meeting



File photo. The onramp for northbound and southbound I-75 in Bloomfield Township east of Woodward near Opdyke and Square Lake roads. (Stephen Frye / MediaNews Group)

By **ANNE RUNKLE** | arunkle@medianewsgroup.com | The Oakland Press

PUBLISHED: February 21, 2023 at 5:01 a.m. | UPDATED: February 21, 2023 at 10:56 a.m.

The Michigan Department of Transportation will host a public meeting to gather input on the possible removal of the Square Lake Road ramp to the eastbound I-75 business loop in Bloomfield Township.

The meeting will be held from 4-7 p.m. Monday, Feb. 27, at the Auburn Hills Marriott, 3600 Centerpoint Parkway in Auburn Hills.

The proposed ramp removal is part of a larger project that involves rebuilding the I-75 business loop in Bloomfield Township, Auburn Hills and Pontiac, according to a release from MDOT

MDOT is considering the ramp removal because of safety concerns.

The project includes pavement replacement, storm sewer improvements, ramp improvements at the Opdyke Road interchange and safety improvements.

To view an MDOT video that explains the project in more detail, go to https://www.youtube.com/watch?v=kbOs-owh_z8.

Accommodations are available for the public meeting for those who require mobility, visual, hearing, written or other assistance.



A map of the area affected by the proposed project. Map courtesy of Michigan Department of Transportation.

Large print materials, auxiliary aids or the services of interpreters, signers or readers are available upon request. Contact Orlando Curry at 517-335-4381 or complete Form 2658 for American Sign Language, located on the Title VI webpage: <https://www.Michigan.gov/MDOT/Programs/Title-VI>. Requests should be made at least five days before the meeting. MDOT said reasonable efforts will be made to provide the requested accommodation or an alternative, but accommodations are not guaranteed.

Through March 13, you can also comment on the project by participating in a survey online, by mail or by email. Go to <https://forms.office.com/Pages/ResponsePage.aspx?id=h3D71Xc3rUKWaoku9HI0Wq6iC6vcSdMskbJPHJXZ1xUNjFBVDhHNIFCR1IHQUVJTku0TFhHRzFITSQIQCNjPTEu>.

You can mail comments to:

Monica Monsma

MDOT Environmental Services Section

425 West Ottawa St.

P.O. Box 30050

Lansing, MI 48909

You can email comments to MonsmaM@Michigan.gov.

Residents object to proposed I-75 ramp removal



MDOT representatives explain a proposal to eliminate a ramp on the I-75 business loop in Bloomfield Township. Anne Runkle/The Oakland Press

By **ANNE RUNKLE** | arunkle@medianewsgroup.com | The Oakland Press

PUBLISHED: February 28, 2023 at 5:29 p.m. | UPDATED: March 1, 2023 at 9:09 a.m.

Bloomfield Township residents are strongly opposed to a proposal to eliminate a ramp on the I-75 business loop.

The Michigan Department of Transportation proposes to eliminate the ramp to improve safety. Dozens of township residents attended an informational meeting Monday, Feb. 27, at the Auburn Hills Marriott, where MDOT officials explained the reasons for the proposed ramp removal.

The ramp leads from Square Lake Road to the I-75 business loop, which is also known as Square Lake Road. Motorists use the ramp to access northbound and southbound I-75.

Bloomfield Township Supervisor Dani Walsh, who attended the meeting, said MDOT officials indicated to her that they were willing to re-examine the proposed ramp removal, given the number of people opposed to it.

"There are other options. They take longer. They're a little more expensive. But there are other options," Walsh said.

She said the township's police and fire chiefs also attended the meeting to express concerns about first responders being locked in traffic if the ramp closed.

MDOT officials say the ramp has the potential to cause crashes because of the "weave" that could be necessary to change lanes over a short distance at a high speed if motorists are not in the correct lane, depending on whether they want to go north or south on I-75.

There were 28 crashes on the ramp from 2015-2019. Of those, three were potentially related to the "weave," said Lia Michaels, engineer with Hubbell, Roth & Clark, an engineering firm that contracts with MDOT.

While the number of crashes is not excessive, the potential exists for more, she said.

The three other options that MDOT considered were more costly and came with environmental concerns about wetlands, said Abdul Siddiqui, MDOT engineer.

That didn't matter to township residents; many say they bought homes in the neighborhood to have easy access to I-75.

Others say they fear backups as motorists will have a harder time getting onto the freeway.

"This (proposed ramp removal) is like saying 'Your leg's infected. Let's just cut it off. It's cheaper,'" said resident Larry Trinkaus.

The proposed ramp removal is part of a larger project that involves rebuilding the I-75 business loop in Bloomfield Township, Auburn Hills and Pontiac, according to a release from MDOT

MDOT has prepared a video that explains the project in more detail. You can view it at https://www.youtube.com/watch?v=kbOs-owh_z8.

Through March 13, you can comment on the project by participating in a survey online, by mail or by email.

To take the survey, go to <https://forms.office.com/Pages/ResponsePage.aspx?id=h3D71Xc3rUKWaoku9HII0Wq6iC6vcSdMskbJPHJXZ1xUNjFBVDhHNIFCR1IHQUVJTku0TFhHRzFITSQIQCNjPTEu>.

You can mail comments to:

Monica Monsma

MDOT Environmental Services Section

425 West Ottawa St.

P.O. Box 30050

Lansing, MI 48909

You can email comments to MonsmaM@Michigan.gov.

Power outages hurt Oakland County's small business owners

Restaurant owners suffered sales, food losses



Stroh's Ice Cream Parlor with DTE crews working to restore power on Tuesday, Feb. 28.
(Stephen Frye / MediaNews Group)

By **PEG MCNICHOL** | pmcnichol@medianewsgroup.com |
March 1, 2023 at 5:11 a.m.

The lingering power outages that started a week ago have devastated some local business. A second round of storms caused more outages. As of Tuesday evening fewer than 25,000 DTE customers were still in the dark. That didn't fix outage-related losses for small business owners.

"It's a total disaster," said Sunny Palaj, owner of Alfoccino Italian Restaurant, 2225 N. Opdyke Road in Auburn Hills. "We've been without power from 9 o'clock Wednesday night to Monday night."

He estimated losses at well over \$60,000 with \$50,000 in lost sales, at least \$15,000 in groceries and more in money he provided to longtime employees.



Consumers Energy work vans in Bloomfield Township. (Stephen Frye / MediaNews Group)

"We lost food, we lost sales and my staff couldn't work for five days. It was total misery and anticipation every day that the power was going to come back," he said. All he could do was transfer calls to the restaurant to his cellphone to let customers know that he expected to reopen as soon as possible.

"We were pretty lucky though," he said, as diners filtered into the restaurant Tuesday night. "We have great customers who are loyal, so I'm thankful we're back in business. It's just very unfortunate in this darn age of 2023 in the United States, in Michigan, that we have to go through all of this with DTE."

His troubles weren't completely over. Monday's second round of rain,



No power at this store in Bloomfield Township. (Stephen Frye / MediaNews Group)

sleet and snow knocked out power to his Lake Orion home and he has no idea when it will come back.

"This whole thing has been like going through COVID again," he said. "We came into the restaurant and it was dark and sad. We had to replace all the food and bring the staff in early to get ready for dinner service."

He said it will take at least two months to make up for the loss of five days' worth of income.

Not every business owner was as lucky. A paper sign told customers that the Stroh's Ice Cream Parlour, 3659 W. Maple Road in Bloomfield Hills was still closed.

There were two messages on the store's Facebook page: "Still no power!!! Stroh's is sad and upset!" said one message; the other was a video by Stroh's co-owner, Tino Orozco, from Tuesday afternoon.

"It's unbelievable. Five days without power," [Orozco said in the video](#), giving customers a video tour of the area. He said he hoped the power would be back by Tuesday night.



No power, customers have been finding out. (Stephen Frye / MediaNews Group)

Buddy's Pizza, which has six locations in Oakland County, only closed the carryout-only store in Bloomfield Hills.

"All we know is that store is without power," said Nikki Little, a Buddy's spokeswoman.

She said several other locations were open and carryout, in-person and delivery were still available.

Meanwhile, Plum Market, 3675 West Maple Road, remained open throughout most of the outage.

Store manager Anthony Pape said they were able to get a generator and reopen within four hours of the initial outage last week.

"Some businesses were not able to get back online, so we got some new customers," he said.

"We've been seeing an uptick in sales the last few days because people have to restock their fridges at home."

Pape didn't lose power at his Ferndale home but his neighbors across the street did.

The National Weather Service meteorologists predict another ice storm Friday and Saturday.