

NOTICE OF VILLAGE OF HARRISON BOARD MEETING

DATE: Tuesday, November 28, 2023
TIME: 6:00pm
PLACE: Harrison Municipal Building, W5298 State Road 114,
Menasha, WI 54952

NOTICE IS HEREBY GIVEN that a Village of Harrison Board meeting will be held at 6:00pm on Tuesday, November 28, 2023, at the Harrison Municipal Building. This is a public meeting, and the agenda is listed below.

Call to Order

Pledge of Allegiance

1. Roll Call

2. Correspondence or Communications from Board and Staff

3. Corrections and Approval of the Previous Meeting Minutes

a) November 14, 2023

4. Public Comments

Please be advised per State Statute section 19.84(2), information will be received from the public; be further advised that there may be limited discussion on the information received; however, no action will be taken under public comments. It is the policy of the Village that there is a three-minute time limit per person. Time extensions may be granted by the President. Please register your name on the sign-in sheet prior to the start of the meeting.

5. Reports

- a) Fire Rescue
- b) Calumet County Sheriff's Dept.
- c) Village Manager's Report
- d) Planning and Zoning
- e) Parks and Trails
- f) Public Works/Engineering
- g) Harrison Utilities
- h) Clerk/Treasurer
 - + ARPA Report
 - + Financial Report

6. Closed Session (will reconvene Regular Meeting upon completing Closed Session discussion - estimated time up to 30 minutes)

- a) The Board will meet in closed session pursuant to Wis. State Stats. 19.85 (1) (e), to deliberate or negotiate the purchasing of public properties, the investing of public funds, or conducting other specified public business, whenever competitive or bargaining reasons require a closed session. Specifically, to be discussed is a possible development opportunity on STH 114/USH 10.

Attendees will include: the Village President, Board, Manager, Assistant Manager, Clerk, Attorney, and perspective developers.

Pursuant to section 19.85(2) of the Wisconsin Statutes, the Board will reconvene into open session for possible action on the closed session item and to resume the remainder of the agenda items.

7. Approval of Bills and Claims

- a) October 2023

8. Old Business for Discussion, Consideration, and/or Action

9. New Business for Discussion, Consideration, and/or Action

- a) Preliminary Plat- Mel Baeten- Sprangers Estates, Third Version (2 Options)
- b) Ordinance V23-11 Amending the Official Zoning Map - Request by Sunrise Pitsch to Rezone Land within Parcel ID 38568 on Ertl Road from Rural Residential to General Agricultural.
- c) Preliminary Plat – Crossroads – Gene Frederickson – Parcels 40390 & 40384
- d) Final Plat – Harrison Heights 2 – DeWitt Development, LLC – Parcels 46190 & 33558
- e) Ordinance V23-12 amending Article 115 Design Standards, Section 115-30(b)(2)(b), Design of Site for the Village of Harrison, Wisconsin. (Referring to Private Streets and Utilities in Condominium Subdivisions.)
- f) Stormwater Management Agreement for Northshore Villas Condominium Development.
- g) Private Water & Sewer Service Maintenance Agreement between North Shore Villas and Harrison Utilities.
- h) Development Agreement for Harrison Heights - Phase 2.
- i) Resolution V2023-25, Opting out of the PFAS Settlement with 3M and Du Pont.
- j) Possible sale of land owned by Village of Harrison/Harrison Utilities
- k) Consider Amending Park, Fire, and Police Impact Fees for 2024
- l) Contract for McMahon to prepare Certified Survey Map for Ryford Street dedication.
- m) Contract Proposal from Moss and Associates to negotiate Right-of-Way and Land for State Park Road Reconstruction Project.
- n) Contract with Ehlers to Complete Water and Sewer Utility Financial Planning and Assistance.
- o) Contract with SRF to update the Village's Comprehensive Plan and Future Land Use Map
- p) Contract with KL Engineering for Feasibility Study– Local Roads (High Cliff Connection Trails)

- q) Contract for Harrison Fire Rescue Computer Software
- r) Purchase Heavy Rescue Apparatus (Fire Truck) for Fire Station 60
- s) Purchase Radar-based Speed Display Boards
- t) Plan for Tree Planting at Farmers Field
- u) Update Wage Range for Seasonal Part-Time Employees in the DPW and HU
- v) Payment Request No. 5 (Final) for Midway Road Trail Construction Project from 2022.

10. Future Agenda Items

11. Adjournment

Any person with hearing disabilities or requiring special accommodations to participate in the meeting should contact the Clerk's Office (920-989-1062) at least 24-hours prior to the meeting. This is a public meeting.



VILLAGE BOARD MEETING

VILLAGE OF HARRISON

From:
Vicki Tessen, Clerk

Meeting Date:
November 28, 2023

Title:
November 14, 2023

Issue:
Minutes of the November 14, 2023 meeting.

Background and Additional Information:

Budget Impacts:

Recommended Action:
Approve the minutes of the November 14, 2023 meeting as presented to the Board.

Attachments:

- [VM2023 11 14 draft 1.pdf](#)

VILLAGE BOARD MEETING

VILLAGE OF HARRISON

From:

Jarred Gerl, Fire Chief

Meeting Date:

November 28, 2023

Title:

Fire Rescue

Issue:

Monthly Report

Background and Additional Information:

Budget Impacts:

Recommended Action:

Attachments:

- [2023 November Incident Report.pdf](#)
- [2023 November Activity Report.pdf](#)

Harrison Fire Rescue

Menasha, WI

This report was generated on 11/21/2023 11:46:42 AM



Incident Type and Street Name for Date Range

Incident Status: All | Start Date: 10/18/2023 | End Date: 11/20/2023

Incident Date	Address	Incident Type
10/18/2023	County Highway BB, Harrison, WI 54129	Heat detector activation due to malfunction
10/19/2023	Lower Cliff RD, Sherwood, WI 54169	EMS call, excluding vehicle accident with injury
10/19/2023	Victorian DR, Harrison, WI 54915	EMS call, excluding vehicle accident with injury
10/20/2023	County Highway N, Harrison, WI 54915	EMS call, excluding vehicle accident with injury
10/20/2023	Manitowoc RD, Menasha, WI 54942	Cover assignment, standby, moveup
10/21/2023	E Midway RD, Harrison, WI 54915	EMS call, excluding vehicle accident with injury
10/21/2023	Firelane 12 RD, Harrison, WI 54952	EMS call, excluding vehicle accident with injury
10/22/2023	Elm RD, Harrison, WI 54129	EMS call, excluding vehicle accident with injury
10/22/2023	Golf Course RD, Sherwood, WI 54169	EMS call, excluding vehicle accident with injury
10/23/2023	Old Pond CT, Sherwood, WI 54169	EMS call, excluding vehicle accident with injury
10/25/2023	Silver CT, Harrison, WI 54915	EMS call, excluding vehicle accident with injury
10/25/2023	Hearthstone DR, Harrison, WI 54915	Alarm system activation, no fire - unintentional
10/26/2023	Dundas RD, Woodville (Town of), WI 54110	EMS call, excluding vehicle accident with injury
10/26/2023	Lake Park RD, Harrison, WI 54915	Off-road vehicle or heavy equipment fire
10/27/2023	State Park RD, Harrison, WI 54915	Dispatched & cancelled en route
10/27/2023	Brant St John RD, Woodville (Town of), WI 54130	Dispatched & cancelled en route
10/27/2023	State Park RD, Harrison, WI 54129	EMS call, excluding vehicle accident with injury
10/28/2023	Hearthstone DR, Harrison, WI 54915	EMS call, excluding vehicle accident with injury
10/28/2023	Highway 114, Harrison, WI 54952	Motor vehicle accident with injuries
10/28/2023	Victorian DR, Harrison, WI 54915	EMS call, excluding vehicle accident with injury
10/29/2023	Winding Trail DR, Harrison, WI 54952	EMS call, excluding vehicle accident with injury
10/29/2023	Victorian DR, Harrison, WI 54915	EMS call, excluding vehicle accident with injury
10/30/2023	Victorian DR, Harrison, WI 54915	EMS call, excluding vehicle accident with injury
10/30/2023	Muifield WAY, Harrison, WI 54952	EMS call, excluding vehicle accident with injury
10/31/2023	Highway 114, Harrison, WI 54952	Motor vehicle accident with injuries
11/01/2023	North Shore RD, Harrison, WI 54952	EMS call, excluding vehicle accident with injury
11/01/2023	Firelane 1 RD, Harrison, WI 54952	EMS call, excluding vehicle accident with injury
11/01/2023	Dundas RD, Woodville (Town of), WI 54110	EMS call, excluding vehicle accident with injury
11/02/2023	Highway 114, Harrison, WI 54952	EMS call, excluding vehicle accident with injury
11/03/2023	Ravine CT, Harrison, WI 54952	EMS call, excluding vehicle accident with injury
11/03/2023	Brant - St John RD, Woodville (Town of), WI 54130	Dispatched & cancelled en route
11/04/2023	Hearthstone DR, Harrison, WI 54915	EMS call, excluding vehicle accident with injury
11/05/2023	Daffodil DR, Harrison, WI 54915	EMS call, excluding vehicle accident with injury
11/06/2023	Hunter ST, Harrison, WI 54915	EMS call, excluding vehicle accident with injury
11/06/2023	Sweet Clover DR, Harrison, WI 54915	Alarm system activation, no fire - unintentional
11/07/2023	Highway 10, Harrison, WI 54952	Motor vehicle accident with injuries
11/09/2023	Highway 55, Harrison, WI 54130	EMS call, excluding vehicle accident with injury
11/11/2023	Valley LN, Harrison, WI 54915	EMS call, excluding vehicle accident with injury
11/11/2023	Amy AVE, Harrison, WI 54130	Dispatched & cancelled en route
11/11/2023	Noe RD, Harrison, WI 54915	EMS call, excluding vehicle accident with injury
11/12/2023	Cherrywood DR, Sherwood, WI 54169	Gas leak (natural gas or LPG)

Lists the Incident Date, Street Name (including City, State, Zip), and Incident Type of incidents occurring within the given Date Range. Only Reviewed incidents are included.



emergencyreporting.com
Doc Id: 1513
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11/12/2023	Rosebud LN, Harrison, WI 54915	EMS call, excluding vehicle accident with injury
11/12/2023	Sonny DR, Harrison, WI 54952	EMS call, excluding vehicle accident with injury
11/13/2023	Higway 55, Harrison, WI 54130	Building fire
11/13/2023	Elm RD, Harrison, WI 54129	EMS call, excluding vehicle accident with injury
11/14/2023	Daisy CT, Harrison, WI 54915	EMS call, excluding vehicle accident with injury
11/14/2023	State Park RD, Harrison, WI 54915	EMS call, excluding vehicle accident with injury
11/14/2023	Amy AVE, Harrison, WI 54915	EMS call, excluding vehicle accident with injury
11/15/2023	Carrington CT, Sherwood, WI 54169	Building fire
11/16/2023	Hlghway 10, Harrison, WI 54952	Motor vehicle accident with injuries
11/16/2023	CliffVlew DR, Sherwood, WI 54169	EMS call, excluding vehicle accident with injury
11/17/2023	Hearthstone DR, Harrison, WI 54915	EMS call, excluding vehicle accident with injury
11/18/2023	Fox LN, Sherwood, WI 54169	EMS call, excluding vehicle accident with injury
11/18/2023	E Midway RD, Harrison, WI 54915	Unintentional transmission of alarm, other
11/18/2023	Sonny DR, Harrison, WI 54952	EMS call, excluding vehicle accident with injury
11/18/2023	Hearthstone DR, Harrison, WI 54915	EMS call, excluding vehicle accident with injury
11/18/2023	Natures way DR, Sherwood, WI 54169	EMS call, excluding vehicle accident with injury
11/19/2023	Highway 114, Harrison, WI 54952	Motor vehicle accident with injuries
11/19/2023	Chadbury LN, Harrison, WI 54915	EMS call, excluding vehicle accident with injury
11/20/2023	Victorian DR, Harrison, WI 54915	EMS call, excluding vehicle accident with injury
		Total incidents: 60

Lists the Incident Date, Street Name (including City, State, Zip), and Incident Type of incidents occurring within the given Date Range. Only Reviewed incidents are included.





Harrison Fire Rescue

Fire Station 60 • Fire Station 70 • EMS



Village Board/Fire Commission Activity Report - November 2023

(Updated: 11/21/2023)

1. Emergency Response

Harrison Fire Rescue was dispatched to 60 emergency calls from October 18th – November 20th.

- As of November 20th, the Department responded to a total of 553 incidents.
- See attached Incident Report summary.

2. Community Public Relations

Members of HFR routinely donate service hours for the betterment of our community. Through pride and commitment, these volunteers make our emergency services a visible presence while showcasing the good our community has to offer.

- October 25th Woodland Trunk or Treat
- October 25th Sunrise Trunk or Treat

3. Department Training/Meetings

In addition to regularly scheduled meetings, training plays a prominent role in our organization. Members hold learning in high regard and value opportunities from learned experiences. One of our strengths as a volunteer department resides in the diversity and expertise our members bring with them.

- October 18th Apparatus Committee
- October 18th Calumet County Dive Team
- October 25th Apparatus Committee
- November 6th Fire Department Drill
 - Winterization/Station Cleaning
- November 13th EMS Meeting/Drill
 - Hunting accidents
 - Suspension trauma
 - Childbirth/delivery
- November 20th Fire Department Drill
 - Barn Burns



Harrison Fire Rescue

Fire Station 60 • Fire Station 70 • EMS



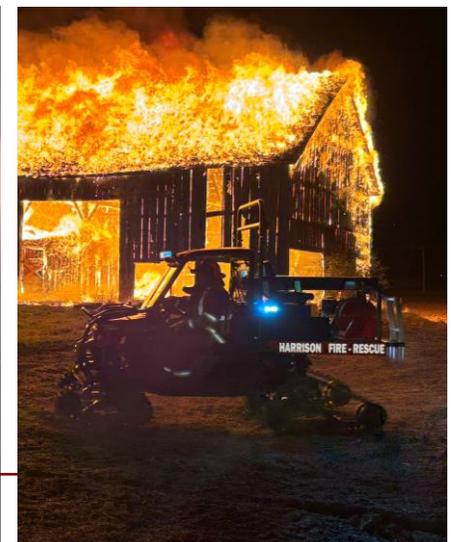
4. Chief Business/Items of Note

- October 20th Asterion Apartments Alarm Certification
- October 23rd EPR Conference
- October 24th Village Board Meeting
- November 7th SEH Meeting
- November 14th Village Board Meeting
- November 16th New Hire Meeting
- November 16th Driscoll Apartments Hydro Testing
- November 20th Driscoll Apartments Alarm Certification

Respectfully Submitted,

Janred Gerl

Chief – Harrison Fire Rescue



VILLAGE BOARD MEETING

VILLAGE OF HARRISON

From:
CCSD

Meeting Date:
November 28, 2023

Title:
Calumet County Sheriff's Dept.

Issue:
Monthly Report

Background and Additional Information:

Budget Impacts:

Recommended Action:

Attachments:

- [October 2023 Harrison Report.pdf](#)

VILLAGE OF HARRISON (OCTOBER - 2023)

OVERALL INCIDENT SUMMARY

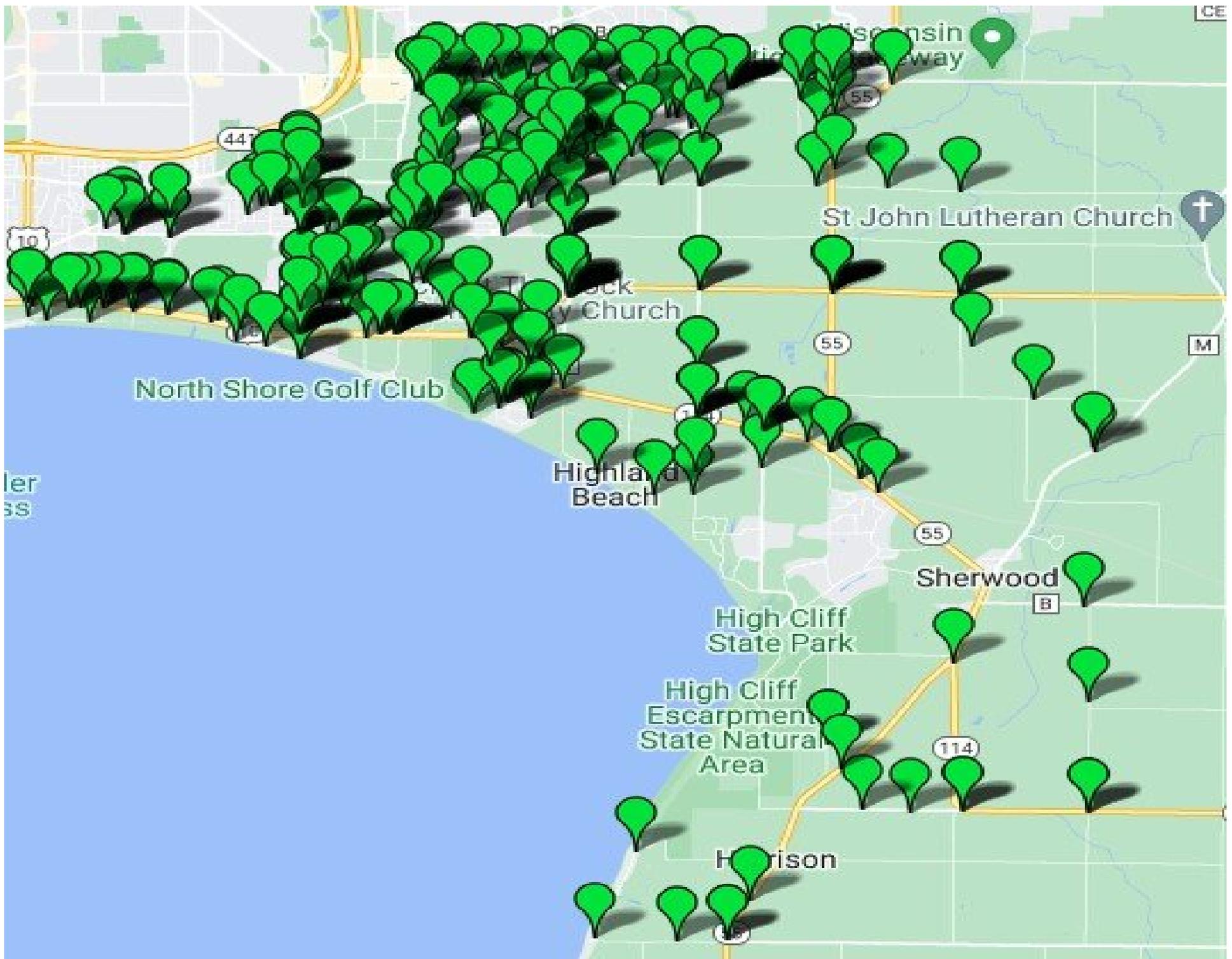
911 HANG UP	17	THEFT	8
ACCIDENT	18	TRAFFIC HAZARD	7
ACCIDENT WITH INJURY	3	TRAFFIC STOP	78
ALARM	5	TRESPASSING	1
ANIMAL	13	VIOLATE OF COURT ORDER	1
ASSIST AGENCY	9	WEAPON	0
ASSIST CITIZEN	4	WELFARE CHECK	15
BATTERY	0		
CIVIL MATTER	1		
CIVIL PROCESS	2		
CRIME PREVENTION	0		
DAMAGE TO PROPERTY	3		
DISTURBANCE	5		
DOMESTIC DISTURBANCE	3		
DRUGS	2		
EMERGENCY COMMITTAL	0		
FIRE ALARM	0		
FIRE CALL	4		
FRAUD	0		
HARASSMENT	4		
JAIL	0		
JUVENILE COMPLAINTS	2		
LOST / FOUND	0		
MEDICAL	31		
MISCELLANEOUS	1		
MISSING PERSON	0		
MOTORIST ASSIST	20		
NOISE COMPLAINT	4		
ORDINANCE	3		
PARKING COMPLAINT	2		
RECKLESS DRIVING	18		
RUNAWAY	0		
SUSPICIOUS PERSON	1		
SUSPICIOUS SITUATION	10		
SUSPICIOUS VEHICLE	8		

OVERALL

TOTAL INCIDENTS	303
CITATIONS	29
ORDINANCE	3
WARNINGS	75

ARRESTS

TOTAL ARRESTS 5
10/8/23 Possess THC
10/15/23 Possess Methamphetamine, Possess Schedule 2 Drug
10/26/23 OWI
10/27/23 Domestic Disorderly Conduct
10/29/23 OWI



VILLAGE OF HARRISON (OCTOBER - 2023)

CONTRACT SUMMARY

911 HANG UP	4	THEFT	6
ACCIDENT	15	TRAFFIC HAZARD	3
ACCIDENT WITH INJURY	2	TRAFFIC STOP	61
ALARM	2	TRESPASSING	0
ANIMAL	9	VIOLATE OF COURT ORDER	1
ASSIST AGENCY	8	WEAPON	0
ASSIST CITIZEN	3	WELFARE CHECK	9
BATTERY	0		
CIVIL MATTER	1		
CIVIL PROCESS	0		
CRIME PREVENTION	0		
DAMAGE TO PROPERTY	2		
DISTURBANCE	4		
DOMESTIC DISTURBANCE	3		
DRUGS	2		
EMERGENCY COMMITTAL	0		
FIRE ALARM	0		
FIRE CALL	2		
FRAUD	0		
HARASSMENT	1		
JAIL	0		
JUVENILE COMPLAINTS	2		
LOST / FOUND	0		
MEDICAL	13		
MISCELLANEOUS	1		
MISSING PERSON	0		
MOTORIST ASSIST	11		
NOISE COMPLAINT	2		
ORDINANCE	2		
PARKING COMPLAINT	1		
RECKLESS DRIVING	11		
RUNAWAY	0		
SUSPICIOUS PERSON	1		
SUSPICIOUS SITUATION	7		
SUSPICIOUS VEHICLE	6		

CONTRACT	
<i>TOTAL</i>	195
<i>ARRESTS</i>	4
<i>CITATIONS</i>	19
<i>ORDINANCE</i>	3
<i>WARNINGS</i>	59

ACTIVITY DETAIL SUMMARY REPORT

10/1/2023	Warning	OPERATING LEFT OF CENTER
10/2/2023	Warning	EXCEEDING SPEED ZONES, ETC. (11-15 MPH)
10/2/2023	Warning	EXCEEDING SPEED ZONES, ETC. (16-19 MPH)
10/2/2023	Warning	EXCEEDING SPEED ZONES, ETC. (11-15 MPH)
10/2/2023	Warning	NO TAIL LAMP/DEFECTIVE TAIL LAMP-NIGHT
10/2/2023	Warning	EXCEEDING SPEED ZONES, ETC. (16-19 MPH)
10/2/2023	Warning	INATTENTIVE DRIVING
10/4/2023	Citation	DRIVING WRONG WAY ON DIVIDED HIGHWAY
10/5/2023	Citation	OPERATING W/PAC (1ST)
10/6/2023	Warning	OPERATE MOTOR VEHICLE BY PERMITTEE W/O AUTH PERSON >21
10/6/2023	Citation	EXCEEDING SPEED ZONES, ETC. (1-10 MPH)
10/6/2023	Citation	FAIL/STOP AT STOP SIGN
10/8/2023	Warning	FAIL/NOTIFY ADDRESS CHANGE
10/8/2023	Ordinance	POSSESS MARIJUANA(25GR>LESS 1ST VIOL) 961.41
10/8/2023	Citation	EXCEEDING SPEED ZONES, ETC. (11-15 MPH)
10/8/2023	Citation	EXCEEDING SPEED ZONES, ETC. (11-15 MPH)
10/9/2023	Citation	OPERATING W/PAC >=0.15 (1ST)
10/10/2023	Warning	EXCEEDING SPEED ZONES, ETC. (16-19 MPH)
10/10/2023	Warning	EXCEEDING SPEED ZONES, ETC. (11-15 MPH)
10/11/2023	Warning	OPERATING LEFT OF CENTER
10/11/2023	Warning	FAIL/DISPLAY VEHICLE LICENSE PLATES
10/11/2023	Warning	OPERATE MOTOR VEHICLE W/O PROOF OF INSURANCE
10/11/2023	Citation	OPERATE W/O VALID LICENSE
10/11/2023	Citation	EXCEEDING SPEED ZONES, ETC. (16-19 MPH)
10/11/2023	Citation	FAIL/STOP AT STOP SIGN
10/12/2023	Warning	OPERATE MOTOR VEH. W/O ADEQUATE MUFFLER
10/12/2023	Warning	FAIL/NOTIFY ADDRESS CHANGE
10/12/2023	Warning	EXCEEDING SPEED ZONES, ETC. (11-15 MPH)
10/12/2023	Warning	OPERATE VEHICLE W/O STOPPING LIGHTS
10/12/2023	Warning	NO TAIL LAMP/DEFECTIVE TAIL LAMP-NIGHT
10/12/2023	Citation	FAILURE TO KEEP VEHICLE UNDER CONTROL
10/13/2023	Warning	FAIL/SIGNAL TURN/UNSAFE TURN
10/14/23	Warning	SPEEDING IN 55 MPH ZONE (16-19 MPH)
10/14/2023	Warning	OPERATE MOTOR VEHICLE W/O PROOF OF INSURANCE
10/14/2023	Warning	OPERATE MOTOR VEHICLE W/O INSURANCE
10/14/2023	Warning	OPERATE AFTER REV/SUSP OF REGISTRATION
10/14/2023	Citation	OPERATING WHILE SUSPENDED
10/15/2023	Warning	FAIL/STOP AT STOP SIGN

10/15/2023	Warning	OPERATE W/O CARRYING LICENSE
10/15/2023	Warning	NON-REGISTRATION OF AUTO, ETC
10/15/2023	Warning	FAIL/STOP AT STOP SIGN
10/15/2023	Warning	EXCEEDING SPEED ZONES, ETC. (11-15 MPH)
10/15/2023	Warning	NO TAIL LAMP/DEFECTIVE TAIL LAMP-NIGHT
10/16/2023	Citation	EXCEEDING SPEED ZONES, ETC. (16-19 MPH)
10/18/2023	Warning	EXCEEDING SPEED ZONES, ETC. (11-15 MPH)
10/18/2023	Warning	OPERATE MOTOR VEHICLE W/O PROOF OF INSURANCE
10/18/2023	Warning	EXCEEDING SPEED ZONES, ETC. (16-19 MPH)
10/18/2023	Warning	OPERATE MOTOR VEHICLE W/O PROOF OF INSURANCE
10/18/2023	Warning	ILLEGIBLE LICENSE PLATES
10/18/2023	Warning	OPERATE MOTOR VEHICLE W/O PROOF OF INSURANCE
10/18/2023	Warning	INATTENTIVE DRIVING
10/18/2023	Citation	OPERATING W/PAC (1ST)
10/19/2023	Warning	NON-REGISTRATION OF AUTO, ETC
10/19/2023	Warning	FAIL TO PROPERLY CONSTRUCT AND LOAD VEHICLE
10/19/2023	Warning	EXCEEDING SPEED ZONES, ETC. (11-15 MPH)
10/19/2023	Warning	EXCEEDING SPEED ZONES, ETC. (11-15 MPH)
10/19/2023	Ordinance	POSSESS MARIJUANA(25GR>LESS 1ST VIOL) 961.41
10/19/2023	Citation	OPERATING WHILE SUSPENDED
10/20/2023	Warning	OPERATING LEFT OF CENTER
10/20/2023	Warning	OPERATE MOTOR VEHICLE W/O PROOF OF INSURANCE
10/20/2023	Warning	OPERATE W/O VALID LICENSE
10/20/2023	Warning	OPERATE VEHICLE W/O STOPPING LIGHTS
10/20/2023	Warning	OPERATE MOTOR VEHICLE W/O 2 HEADLIGHTS
10/20/2023	Warning	NON-REGISTRATION OF AUTO, ETC
10/20/2023	Warning	DISPLAY FALSE VEHICLE REGISTRATION PLATE
10/20/2023	Citation	NON-REGISTRATION OF AUTO, ETC
10/20/2023	Citation	OPERATE W/O VALID LICENSE
10/21/2023	Warning	EXCEEDING SPEED ZONES, ETC. (16-19 MPH)
10/21/2023	Warning	SPEEDING IN 55 MPH ZONE (16-19 MPH)
10/22/2023	Ordinance	POSSESS MARIJUANA(25GR>LESS 1ST VIOL) 961.41
10/23/2023	Warning	EXCEEDING SPEED ZONES, ETC. (20-24 MPH)
10/23/2023	Warning	NON-REGISTRATION OF AUTO, ETC
10/23/23	Warning	IMPROPER/ATTACH REAR REG DECAL/TAG
10/23/23	Citation	OPERATING WHILE SUSPENDED
10/25/2023	Warning	EXCEEDING SPEED ZONES, ETC. (11-15 MPH)
10/26/2023	Warning	EXCEEDING SPEED ZONES, ETC. (1-10 MPH)
10/28/2023	Warning	SPEEDING IN 55 MPH ZONE (16-19 MPH)

10/28/2023	Warning	EXCEEDING SPEED ZONES, ETC. (11-15 MPH)
10/29/2023	Citation	OPERATING WHILE UNDER THE INFLUENCE
10/30/2023	Warning	SPEEDING IN 55 MPH ZONE (16-19 MPH)
10/30/2023	Warning	FAIL/NOTIFY ADDRESS CHANGE

VILLAGE BOARD MEETING

VILLAGE OF HARRISON

From:

Matt Heiser, Village Manager

Meeting Date:

November 28, 2023

Title:

Village Manager's Report

Issue:

None - this is a report.

Background and Additional Information:

Staff has been working on the following items since the last Manager's report:

- Work continues on the Granicus project. The project has three distinct modules:
 - Peak/iLegislate (digital agendas, packets and minutes)
 - Staff are at the point of entering practice meetings into the system in parallel with our current hard-copy process. Staff are now creating every meeting in Granicus and generating the packet from it. This unit is ready to go live. Devices need to be purchased for the Board members and distributed with instructions.

- Form Services (digital forms)
 - Granicus is in the process of completing the real estate inquiry form that it will host. Once that is complete staff will work on a generic form to improve other on-line services.

- - The new website is live. This was the focus of the project from the end of September into the first couple of weeks in October. The Administrative Assistant continues to tweak the live site and add information.

- Staff are engaged in end-of-the-year duties; preparing information for the tax bills and submitting reports required by the state.

- Staff also completed work to secure the borrowing for the 2024 capital outlay.

- Staff is working with the auditor to finish the 2022 audit.
- Staff has been engaged with filling the open position of Program Assistant.
- Budget reports for the General Fund, the Water Utility and Sewer Utility. Newly added to the monthly report are the TID budget printouts. The budget for a TID is a bit of a misnomer. Staff uses revenues from the previous year as an estimate but the numbers are driven by development. The Village TIDs do not have project expenses. Most of their expenses are the portions of increment promised to them in the developers' agreements. Thus, TID #4 has no revenue budgeted because there is no development in it. TIDs numbers 5 and 6 did not exist at budget time so they had nothing budgeted for them.
- Trustee Lancaster asked after the April 2023 monthly budget to see updated revenues in the budget reports of the general funds. Presently the budget report shows a small amount receipted in property taxes which was a disbursement from Calumet County for a couple of special cases and zeros for amounts received in the special charges on our tax bills. It is my understanding that the process utilized by the Village has staff entering taxes and special charges as receivables. Tax payments are receipted into the financial system as a lump sum along with all the special charges/fees/assessments on the tax bills and tax money owed to other jurisdictions. Staff are working with the auditor to determine the appropriate journal entries to break up the different revenue sources and apply them to the budget. The 2022 budget is anticipated to finish in the first week of October. At that time staff will schedule a meeting with the auditor for them to instruct staff on the appropriate journal entries.
- Staff report showing balances of special revenue funds. The Board requested some history showing the expenditure of the park impact fees. This has been added to the report. Staff had to go back to 2020 for the proper balance determination. The 2022 audit will determine final balances of these funds at the end of that fiscal year.
- At the August 30, 2022 meeting Board members requested staff to explore if the pavement for the pickleball courts was/should be charged against the park impact fees. Northeast Asphalt bid \$47,130 in change order number 1 to pave the courts and increased it an additional \$11,730 in change order number 2 when the size of the courts were enlarged. These costs were part of the approved certificates of payment from Graef that the Village paid in October, 2021. They were booked against the capital outlay funds at that time. Staff would recommend keeping it that way to preserve park impact fees for future expenditures. Again, the 2022 audit will determine a balance for that fund and this historical footnote can be discontinued.

Budget Impacts:

None - this is a report

Recommended Action:

None - this is a report.

Attachments:

- [MEMO Village Board 11-28-23 Report Village Managers ATTACH Impact Fee Rpt.xlsx](#)
- [Budget Rpt 11-28-23 Gen Fund.pdf](#)
- [Budget Rpt 11-28-23 HU.pdf](#)
- [Budget Rpt 11-28-23 TIDs.pdf](#)

Village of Harrison
 Monthly Staff Report of Special Revenue Funds
 November 28, 2023
 Prepared by Matt Heiser

Impact Fees

Impact fees are collected with the building permit process. They are receipted into the system when permits are paid. 2022 balances still need to be confirmed by audit.

By state statute impact fees must be spent within 7 years of receipt or returned to owner.

	1/1/2022 (per 2021 Village Audit)	Collected in 2022	Spent in 2022	Balance 12/31/22
Park Impact Fee	\$909,006.00	\$171,419.60	\$2,431.15	\$1,077,994.45
Police Impact Fee	\$60,590.00	\$24,901.13	\$0.00	\$85,491.13
Fire Impact Fee	\$514,358.00	\$210,857.98	\$0.00	\$725,215.98

	1/1/2023	Collected in 2023	Spent in 2023	Current Balance
Park Impact Fee	\$1,077,994.45	\$74,110.32	\$103,798.84	\$1,048,305.93
Police Impact Fee	\$85,491.13	\$8,566.74	\$0.00	\$94,057.87
Fire Impact Fee	\$725,215.98	\$73,525.10	\$0.00	\$798,741.08

Notes on 2022 Park Impact Fee Expenditures:

The \$2,431.15 was on engineering for park additions/improvements

Notes on 2023 Park Impact Fees:

Park impact fees were accidentally collected on a development in contrast to the developer agreement. This was corrected in August by reducing them \$20,482.

2023 Park Impact Fee Expenditures:

- Dogwood Park pavilion
- Dogwood Park picnic tables
- Darboy Park building design
- Clover Ridge Park disc golf baskets and discs
- Clover Ridge Park parking lot
- Engineering project management
- Farmers Field baseball backstop installation
- Farmers Field diamond improvements
- Farmers Field park sign

Public Charges on the Tax Bill

These charges are paid as part of the tax bill. Village staff will reconcile total taxes deposited with bank statements but will not separate the taxes from the public charges.

The auditor separates them with journal entries and is part of the audit process.

The 2022 audit is underway.

The garbage and recycling fee are based on the known units and the rates of collection in the contract. Every year the budgeted expenses should end equal to the budgeted revenues.

The law enforcement fee is based on the actual expenses from the first three quarters of the year plus the fourth quarter of the previous year. Every year those expenses should be close to the revenues in the budget so this fund would not carry a balance.

The storm water fee and transportation fees are collected for projects and carry a balance from year to year.

	2021 balance	Proj Bal 12/31/22	Proj Bal 12/31/23
Storm Water Fee	\$262,346	\$373,186	\$623,466
Transportation Fee	\$531,875	\$77,983	\$5,433

Fund: 100 - GENERAL FUND

Account Number		2023		2023 Budget	Budget Status	% of Budget
		2023 November	Actual 11/21/2023			
100-00-40000-000-000	State Lottery Credit	0.00	184,770.13	0.00	184,770.13	0.00
REVENUES		0.00	184,770.13	0.00	184,770.13	0.00
100-00-41110-000-000	General Property Taxes	0.00	1,058,114.10	2,817,382.00	-1,759,267.90	37.56
100-00-41140-000-000	Mobile Home Fees	0.00	0.00	0.00	0.00	0.00
100-00-41150-000-000	Forest Cropland/MFL Taxes	0.00	30.24	30.00	0.24	100.80
100-00-41220-000-000	Sales Tax - Village Share	0.00	0.00	0.00	0.00	0.00
100-00-41320-000-000	Payments In Lieu of Taxes	0.00	2,130.62	60,000.00	-57,869.38	3.55
100-00-41800-000-000	Interest - Personal Prop. Tax	0.00	0.00	0.00	0.00	0.00
100-00-41900-000-000	Other Taxes	0.00	1,706.10	0.00	1,706.10	0.00
TAXES		0.00	1,061,981.06	2,877,412.00	-1,815,430.94	36.91
100-00-42000-000-000	Special Assessments	0.00	0.00	1,122,379.00	-1,122,379.00	0.00
100-00-42000-000-101	Connection Fees - Sewer	0.00	0.00	0.00	0.00	0.00
100-00-42100-000-000	S/W Agreement - Lexington Home	0.00	114,098.50	0.00	114,098.50	0.00
100-00-42300-000-001	Sp. Assmts. - Sidewalks	0.00	0.00	6,095.00	-6,095.00	0.00
100-00-42300-000-002	Sp Assmts Rds -Hickory/Rustic	0.00	0.00	0.00	0.00	0.00
100-00-42300-000-003	Sp Assmts Kimbrly Hts 2022 Rds	0.00	164,163.59	0.00	164,163.59	0.00
100-00-42300-000-004	Sp Assmts Hiddn Pines 2022 Rds	0.00	13,735.91	0.00	13,735.91	0.00
100-00-42400-000-001	Sp Assmts Hoelzel Hvns 2022	0.00	9,721.53	0.00	9,721.53	0.00
100-00-42600-000-001	Sp. Assmts. - Sumac Ln.	0.00	0.00	0.00	0.00	0.00
SPECIAL ASSESS CONNECTION FEES		0.00	301,719.53	1,128,474.00	-826,754.47	26.74
100-00-43200-000-000	Federal Grants - CARES ACT	0.00	0.00	0.00	0.00	0.00
100-00-43400-000-000	State Shared Revenues	0.00	32,305.93	62,566.00	-30,260.07	51.63
100-00-43401-000-000	Personal Property Aid	0.00	5,896.93	0.00	5,896.93	0.00
100-00-43410-000-000	State Fire Dues - Harrison	0.00	65,351.38	49,900.00	15,451.38	130.96
100-00-43420-000-000	State Fire Dues - Shwd/Wood	0.00	1,535.29	14,858.00	-13,322.71	10.33
100-00-43430-000-000	Exempt Computer Aid	0.00	42,433.66	42,042.00	391.66	100.93
100-00-43520-000-000	Public Safety Grant	0.00	12,675.00	0.00	12,675.00	0.00
100-00-43530-000-000	State Transportation Aids	0.00	434,861.28	434,804.00	57.28	100.01
100-00-43531-000-000	Local Road Improvement Aid	0.00	0.00	0.00	0.00	0.00
100-00-43532-000-000	Bridge Aid	0.00	0.00	0.00	0.00	0.00
100-00-43540-000-000	Recycling Grant	0.00	21,662.36	21,300.00	362.36	101.70
100-00-43570-000-000	State Grant - Friendship Trail	0.00	0.00	0.00	0.00	0.00
100-00-43610-000-000	Payment for Municipal Services	0.00	0.00	60.00	-60.00	0.00
100-00-43620-000-000	DNR	0.00	0.00	0.00	0.00	0.00
100-00-43650-000-000	Forest Cropland State Aids	0.00	0.00	0.00	0.00	0.00
INTERGOVERNMENTAL REVENUES		0.00	616,721.83	625,530.00	-8,808.17	98.59
100-00-44105-000-000	Liquor & Beverage Licenses	366.94	5,526.94	10,000.00	-4,473.06	55.27
100-00-44110-000-000	Operators Licenses	85.00	3,765.00	4,900.00	-1,135.00	76.84
100-00-44115-000-000	Cigarette Licenses	73.38	373.38	200.00	173.38	186.69
100-00-44120-000-000	Cable Television Franchise Fee	0.00	78,259.28	111,703.00	-33,443.72	70.06
100-00-44205-000-000	Dog Licenses Fees	0.00	12,762.70	11,000.00	1,762.70	116.02
100-00-44305-000-000	Building Permit Fee	3,918.40	52,739.34	52,000.00	739.34	101.42
100-00-44305-001-000	Bldg Permit Fee - Admin.	0.00	0.00	0.00	0.00	0.00
100-00-44306-000-000	HVAC Permit	1,360.00	14,775.48	7,250.00	7,525.48	203.80
100-00-44307-000-000	Plumbing Permit	1,480.00	16,188.71	10,000.00	6,188.71	161.89
100-00-44308-000-000	Electrical Permit	1,640.00	22,678.80	13,000.00	9,678.80	174.45

Fund: 100 - GENERAL FUND

Account Number		2023		2023 Budget	Budget Status	% of Budget
		November	11/21/2023			
100-00-44309-000-000	Siding/Windows/Roof Permit	80.00	2,560.00	750.00	1,810.00	341.33
100-00-44310-000-000	Pool Permit	0.00	440.00	1,000.00	-560.00	44.00
100-00-44311-000-000	Lot Grade Fee	6,880.00	67,080.00	40,000.00	27,080.00	167.70
100-00-44312-000-000	Driveway Grade Fee	1,480.00	14,430.00	9,000.00	5,430.00	160.33
100-00-44313-000-000	Culvert Permit	150.00	300.00	150.00	150.00	200.00
100-00-44314-000-000	Street Opening Permit	0.00	0.00	0.00	0.00	0.00
100-00-44316-000-000	Demolition Permit	0.00	125.00	50.00	75.00	250.00
100-00-44330-000-000	Utility Permit Fee	453.90	26,736.40	2,500.00	24,236.40	1,069.46
100-00-44336-000-000	Culvert Fee - Bldg Inspector	0.00	0.00	150.00	-150.00	0.00
100-00-44400-000-000	Zoning Permit Fee	2,750.00	32,200.00	22,000.00	10,200.00	146.36
100-00-44401-000-000	Erosion Permit	2,340.52	13,758.71	6,500.00	7,258.71	211.67
100-00-44410-000-000	Plat and CSM Review Fee	0.00	2,670.00	2,000.00	670.00	133.50
100-00-44415-000-000	Site Plan Review Fee	1,205.00	2,455.00	600.00	1,855.00	409.17
100-00-44900-000-000	Other License/Permit Fee	5.00	1,265.00	0.00	1,265.00	0.00
100-00-44905-000-000	Fireworks Permit	0.00	0.00	0.00	0.00	0.00
LICENSES AND PERMITS		24,268.14	371,089.74	304,753.00	66,336.74	121.77
100-00-45105-000-000	Ordinance Violations	0.00	0.00	500.00	-500.00	0.00
100-00-45110-000-000	Parking Violations	1,211.76	10,427.98	6,000.00	4,427.98	173.80
FINES, FORFEITS AND PENALTIES		1,211.76	10,427.98	6,500.00	3,927.98	160.43
100-00-46100-000-000	Administrative Fee	1,819.60	27,351.84	40,000.00	-12,648.16	68.38
100-00-46105-000-000	Publication Fee - Liquor	63.64	5.77	0.00	5.77	0.00
100-00-46110-000-000	Real Estate Inquiry Fee	750.00	8,970.00	8,000.00	970.00	112.13
100-00-46111-000-000	Photocopy Fee	0.00	0.00	0.00	0.00	0.00
100-00-46115-000-000	Merchandise Sales	0.00	0.00	0.00	0.00	0.00
100-00-46120-000-000	Credit Card Surcharge	0.00	1,238.73	700.00	538.73	176.96
100-00-46210-000-000	Law Enforcement Charges	0.00	0.00	512,531.00	-512,531.00	0.00
100-00-46300-000-000	Transportation Utility Charges	0.00	0.00	662,450.00	-662,450.00	0.00
100-00-46310-000-000	Road Department Revenue	846.00	4,176.00	2,000.00	2,176.00	208.80
100-00-46321-000-000	Street Lights Fee	0.00	0.00	2,000.00	-2,000.00	0.00
100-00-46321-000-001	Lights - North Shore Woods	0.00	0.00	0.00	0.00	0.00
100-00-46321-000-002	Lights - North Shore Golf Club	0.00	0.00	0.00	0.00	0.00
100-00-46324-000-000	Harrison Stormwater Util Fee	0.00	0.00	0.00	0.00	0.00
100-00-46328-000-000	Stormwater Drainage Fee	0.00	0.00	0.00	0.00	0.00
100-00-46420-000-000	Refuse Collection Fee (67%)	-46.38	2,852.37	396,829.00	-393,976.63	0.72
100-00-46435-000-000	Recycling Collection Fee (33%)	-30.90	1,900.35	256,099.00	-254,198.65	0.74
100-00-46440-000-000	Weed & Nuisance Control Fee	-280.00	275.00	0.00	275.00	0.00
100-00-46445-000-000	Compost Site Sticker Fee	260.00	35,280.00	30,000.00	5,280.00	117.60
100-00-46722-000-000	Park Shelter Rental Fee	0.00	2,630.33	1,000.00	1,630.33	263.03
100-00-46740-000-000	Municipal Hall Rental Fee	473.95	3,412.44	1,200.00	2,212.44	284.37
PUBLIC CHARGES FOR SERVICES		3,855.91	88,092.83	1,912,809.00	-1,824,716.17	4.61
100-00-47323-000-000	Fire Contracts-Sherwood/Wood	0.00	172,814.00	170,843.00	1,971.00	101.15
INTERGOV'T CHARGES FOR SERV		0.00	172,814.00	170,843.00	1,971.00	101.15
100-00-48110-000-000	Banking - Earned Interest	0.00	600,950.57	13,000.00	587,950.57	4,622.70
100-00-48120-000-000	Interest - Taxes	0.00	0.00	0.00	0.00	0.00
100-00-48130-000-000	Sp. Assmnt. - Earned Interest	0.00	2,738.65	100.00	2,638.65	2,738.65
100-00-48302-000-000	Sales - Fire Equipment	0.00	8,600.00	0.00	8,600.00	0.00

Fund: 100 - GENERAL FUND

Account Number		2023	2023	2023	Budget	% of
		November	Actual 11/21/2023	Budget	Status	Budget
100-00-48303-000-000	Sales - Public Works Equipment	0.00	1,000.00	0.00	1,000.00	0.00
100-00-48307-000-000	Sales - Recyclables	0.00	0.00	0.00	0.00	0.00
100-00-48400-000-000	Insurance Recoveries	0.00	2,073.00	5,000.00	-2,927.00	41.46
100-00-48500-000-000	Donations	0.00	0.00	0.00	0.00	0.00
100-00-48800-000-000	Treasurer - Cash Over	0.00	38.72	0.00	38.72	0.00
100-00-48900-000-000	Misc. Revenues	-680.00	39,651.73	10,000.00	29,651.73	396.52
100-00-48905-000-000	Tippage Fee - Harrison Landfil	0.00	0.00	15,000.00	-15,000.00	0.00
MISCELLANEOUS REVENUES		-680.00	655,052.67	43,100.00	611,952.67	1,519.84
100-00-49000-000-000	Transfer from Debt Srvce Fund	0.00	0.00	0.00	0.00	0.00
100-00-49110-000-000	Proceeds from G.O. Bonds	0.00	0.00	1,600,000.00	-1,600,000.00	0.00
100-00-49140-000-000	State Trust Fund Loan	0.00	0.00	0.00	0.00	0.00
100-00-49205-000-000	Transfer from Debt Serv. Fund	0.00	0.00	0.00	0.00	0.00
OTHER FINANCING SOURCES		0.00	0.00	1,600,000.00	-1,600,000.00	0.00
Total Revenues		28,655.81	3,462,669.77	8,669,421.00	-5,206,751.23	39.94

Fund: 100 - GENERAL FUND

Account Number		2023		2023 Budget	Budget Status	% of Budget
		2023 November	Actual 11/21/2023			
100-00-51100-100-000	Village Board - Wages	1,292.32	29,723.36	33,600.00	3,876.64	88.46
100-00-51100-105-000	Village Board - FICA	98.87	2,274.01	2,570.00	295.99	88.48
100-00-51100-115-000	Village Board-Training/Mileage	0.00	0.00	800.00	800.00	0.00
100-00-51100-300-000	Village Board-Per Diem	0.00	0.00	0.00	0.00	0.00
100-00-51100-310-000	Village Board-Dues	0.00	6,827.71	7,500.00	672.29	91.04
100-00-51100-400-000	Village Board-Supplies	0.00	0.00	500.00	500.00	0.00
100-01-51101-100-001	Planning - Salary	3,476.19	73,716.13	99,819.00	26,102.87	73.85
100-01-51101-105-000	Planning - FICA	262.98	5,688.24	7,636.15	1,947.91	74.49
100-01-51101-200-000	Planning - Benefits	0.00	-2,454.40	57,448.00	59,902.40	-4.27
100-01-51101-205-000	Planning - Retirement	236.39	5,012.77	6,787.69	1,774.92	73.85
100-01-51101-300-000	Planning - Per Diem	0.00	2,790.00	4,000.00	1,210.00	69.75
100-01-51101-301-000	Planning - Dues	0.00	517.00	1,000.00	483.00	51.70
100-01-51101-304-000	Planning - Consultants	0.00	0.00	0.00	0.00	0.00
100-01-51101-305-000	Planning - Training/Mile/Exp.	0.00	3,632.94	3,500.00	-132.94	103.80
100-01-51101-400-000	Planning - Supplies	0.00	155.00	1,000.00	845.00	15.50
100-01-51101-400-005	Planning - Postage	0.00	0.00	0.00	0.00	0.00
100-01-51101-800-000	Planning - Publications	221.01	2,022.77	0.00	-2,022.77	0.00
100-01-51101-801-000	Planning - Capital	0.00	0.00	0.00	0.00	0.00
100-00-51300-000-000	Legal	0.00	46,843.62	28,000.00	-18,843.62	167.30
100-09-51300-000-000	Hwy Dept - Legal	0.00	0.00	10,000.00	10,000.00	0.00
100-02-51400-100-000	Gen. Admin - Wages	11,901.72	310,356.40	351,351.00	40,994.60	88.33
100-02-51400-103-000	Gen. Admin - OT Wages	0.00	0.00	0.00	0.00	0.00
100-02-51400-105-000	Gen. Admin - FICA	858.95	22,710.69	26,878.00	4,167.31	84.50
100-02-51400-200-000	Gen. Admin - Benefits	13,531.29	128,592.50	135,353.00	6,760.50	95.01
100-02-51400-205-000	Gen. Admin - Retirement	809.30	21,145.38	23,892.00	2,746.62	88.50
100-02-51400-305-000	Gen. Admin - Training/Conf.	20.40	3,468.15	4,400.00	931.85	78.82
100-02-51400-310-000	Gen. Admin - Dues	0.00	356.46	1,500.00	1,143.54	23.76
100-02-51400-400-000	Gen. Admin - Supplies	1,170.74	15,238.27	20,000.00	4,761.73	76.19
100-02-51400-400-005	Gen. Admin - Postage	0.00	1,557.12	4,000.00	2,442.88	38.93
100-02-51400-400-006	Gen. Admin - Service Contracts	3,328.89	58,494.33	75,000.00	16,505.67	77.99
100-02-51400-800-000	Gen. Admin - Publications	180.79	599.40	3,000.00	2,400.60	19.98
100-02-51400-800-005	Gen. Admin - Newsltr & Postage	0.00	8,543.15	4,000.00	-4,543.15	213.58
100-00-51440-000-000	Elections - Wages	0.00	5,890.50	14,500.00	8,609.50	40.62
100-00-51440-100-000	Elections-FICA	0.00	12.43	1,109.25	1,096.82	1.12
100-00-51440-200-000	Elections - Expenses/Training	0.00	159.44	500.00	340.56	31.89
100-00-51440-300-000	Elections - Service Contracts	0.00	2,282.06	3,000.00	717.94	76.07
100-00-51440-400-000	Elections - Supplies	750.00	3,479.32	5,000.00	1,520.68	69.59
100-00-51440-500-000	Elections - Postage	0.00	4,000.00	0.00	-4,000.00	0.00
100-00-51440-600-000	Elections - Publications	0.00	238.38	1,000.00	761.62	23.84
100-05-51500-000-000	Assessor - Contract	0.00	40,900.00	41,000.00	100.00	99.76
100-04-51500-100-000	Treasurer - Wages	0.00	0.00	0.00	0.00	0.00
100-04-51500-105-000	Treasurer - FICA	0.00	0.00	0.00	0.00	0.00
100-04-51500-305-000	Treasurer - Mileage	0.00	62.88	500.00	437.12	12.58
100-04-51500-315-000	Treasurer - Service Contracts	0.00	0.00	1,000.00	1,000.00	0.00
100-04-51500-315-015	Treasurer - Accounting	0.00	12,737.81	17,500.00	4,762.19	72.79
100-04-51500-320-000	Treasurer - Cash Short	0.00	0.05	0.00	-0.05	0.00
100-04-51500-400-000	Treasurer - Supplies	0.00	0.00	3,000.00	3,000.00	0.00
100-05-51500-400-000	Assessor - Supplies BOR	0.00	40.00	0.00	-40.00	0.00
100-04-51500-400-005	Treasurer - Postage	0.00	0.00	7,000.00	7,000.00	0.00
100-04-51500-800-000	Treasurer - Publications	0.00	0.00	0.00	0.00	0.00
100-00-51600-400-000	Municipal Bldg - Supplies	0.00	0.00	5,000.00	5,000.00	0.00
100-00-51600-500-020	Municipal Bldg - Electric	0.00	4,310.32	5,775.00	1,464.68	74.64

Fund: 100 - GENERAL FUND

Account Number		2023		2023 Budget	Budget Status	% of Budget
		2023 November	Actual 11/21/2023			
100-00-51600-500-021	Municipal Bldg - Heat	0.00	5,120.07	5,080.00	-40.07	100.79
100-00-51600-500-022	Municipal Bldg - Telephone	176.40	1,763.58	1,750.00	-13.58	100.78
100-00-51910-000-000	Uncollectable Taxes	0.00	0.00	0.00	0.00	0.00
100-00-51932-000-000	Insurance - Property and Crime	0.00	15,893.00	31,693.00	15,800.00	50.15
100-00-51933-000-000	Insurance - Workers Comp.	7,614.00	36,267.00	26,298.00	-9,969.00	137.91
100-00-51938-000-000	Insurance - General and Auto	0.00	19,556.00	24,570.00	5,014.00	79.59
100-00-51980-000-000	Memorial Expenses	0.00	227.83	500.00	272.17	45.57
GENERAL GOVERNMENT		45,930.24	900,751.67	1,109,310.09	208,558.42	81.20
100-00-52100-000-000	Law Enforcement - Contract	173,110.38	484,756.72	782,926.00	298,169.28	61.92
100-00-52101-000-000	Law Enforcement - Dog Pickups	0.00	0.00	0.00	0.00	0.00
100-00-52102-000-000	School Crossing Guard & Lights	0.00	1,846.22	2,500.00	653.78	73.85
100-06-52200-000-000	Fire Dept - Insurance	0.00	0.00	0.00	0.00	0.00
100-06-52200-100-000	Fire Dept - Wages	25,600.88	162,354.97	224,690.00	62,335.03	72.26
100-06-52200-105-000	Fire Dept - FICA	1,955.88	12,451.41	17,188.78	4,737.37	72.44
100-06-52200-200-000	Fire Dept - Benefits	0.00	579.37	28,645.00	28,065.63	2.02
100-06-52200-210-000	Fire Dept - Retirement	481.42	11,072.63	42,593.00	31,520.37	26.00
100-06-52200-300-000	Fire Dept - Per Diem	0.00	540.00	0.00	-540.00	0.00
100-06-52200-301-000	Fire Dept - Petty Cash	0.00	0.00	0.00	0.00	0.00
100-06-52200-305-000	Fire Dept - Training/Mem	0.00	1,770.84	10,000.00	8,229.16	17.71
100-06-52200-306-000	Fire Dept - Fire Inspection	0.00	0.00	0.00	0.00	0.00
100-06-52200-400-000	Fire Dept - Supplies/Services	140.00	30,885.49	41,000.00	10,114.51	75.33
100-06-52200-401-000	Fire Dept - Physicals	0.00	2,265.00	5,000.00	2,735.00	45.30
100-06-52200-500-020	Fire Station 60 - Electric	0.00	1,643.58	2,500.00	856.42	65.74
100-07-52200-500-020	Fire Station 70 - Electric	0.00	1,704.83	3,000.00	1,295.17	56.83
100-06-52200-500-021	Fire Station 60 - Heat	0.00	2,152.20	4,000.00	1,847.80	53.81
100-07-52200-500-021	Fire Station 70 - Heat	0.00	1,449.19	4,000.00	2,550.81	36.23
100-06-52200-500-022	Fire Station 60 - Telephone	0.00	101.40	950.00	848.60	10.67
100-07-52200-500-022	Fire Station 70 - Telephone	25.37	352.51	1,900.00	1,547.49	18.55
100-06-52200-500-023	Fire Station 60 - Water/Sewer	254.10	3,225.88	3,500.00	274.12	92.17
100-07-52200-500-023	Fire Station 70 - Water/Sewer	73.49	750.74	1,000.00	249.26	75.07
100-06-52200-600-000	Fire Dept - Vehicle Maint.	2,526.85	6,002.69	13,000.00	6,997.31	46.17
100-06-52200-700-000	Fire Dept - Equip Maintenance	0.00	3,257.43	4,000.00	742.57	81.44
100-06-52200-700-030	Fire Dept - Fuel	0.00	0.00	6,000.00	6,000.00	0.00
100-08-52300-000-000	1st Responders - Operating Exp	620.38	11,741.80	13,500.00	1,758.20	86.98
100-08-52300-100-000	1st Responders - Wages	8,447.14	30,410.91	0.00	-30,410.91	0.00
100-08-52300-105-000	1st Responders - FICA	646.23	2,326.46	0.00	-2,326.46	0.00
100-08-52300-210-000	1st Responder - Retirement	0.00	0.00	0.00	0.00	0.00
100-00-52400-000-000	Building Inspector - Contract	10,067.84	113,075.82	59,000.00	-54,075.82	191.65
100-00-52400-200-000	Inspections - Grade Checks	1,483.25	26,733.05	30,000.00	3,266.95	89.11
100-00-52410-000-000	Erosion/Stormwater Plan Review	0.00	0.00	0.00	0.00	0.00
100-00-52601-000-000	911 Signs	0.00	0.00	0.00	0.00	0.00
PUBLIC SAFETY		225,433.21	913,451.14	1,300,892.78	387,441.64	70.22
100-09-53311-000-000	Hwy Dept - Engineer/Consultant	5,431.50	33,077.14	40,000.00	6,922.86	82.69
100-09-53311-100-000	Hwy Dept - Wages	20,085.79	451,784.93	485,691.00	33,906.07	93.02
100-09-53311-100-901	Hwy Dept - Part Time Wages	2,920.50	66,045.50	85,500.00	19,454.50	77.25
100-09-53311-103-000	Hwy Dept - Overtime Wages	532.00	27,923.33	38,000.00	10,076.67	73.48
100-09-53311-105-000	Hwy Dept - FICA	1,502.25	35,159.70	37,155.36	1,995.66	94.63
100-09-53311-105-901	Hwy Dept - Part Time FICA	223.42	5,052.39	6,540.75	1,488.36	77.24
100-09-53311-115-000	Hwy Dept - Unemployment Comp	0.00	0.00	1,000.00	1,000.00	0.00

Fund: 100 - GENERAL FUND

Account Number		2023		2023 Budget	Budget Status	% of Budget
		November	Actual 11/21/2023			
100-09-53311-200-000	Hwy Dept - Benefits	13,008.30	150,523.43	150,155.00	-368.43	100.25
100-09-53311-205-000	Hwy Dept - Retirement	1,402.00	32,888.65	33,026.98	138.33	99.58
100-09-53311-305-000	Hwy Dept - Training Expenses	0.00	329.00	2,500.00	2,171.00	13.16
100-09-53311-306-000	Hwy Dept - CDL/Testing	0.00	563.52	1,500.00	936.48	37.57
100-09-53311-320-000	Hwy Dept - Dues	0.00	0.00	0.00	0.00	0.00
100-09-53311-400-000	Hwy Dept - Supplies	3,729.66	24,751.49	25,000.00	248.51	99.01
100-09-53311-500-020	Hwy Dept - Electric	0.00	6,465.47	7,500.00	1,034.53	86.21
100-09-53311-500-021	Hwy Dept - Heat	0.00	0.00	2,000.00	2,000.00	0.00
100-09-53311-500-022	Hwy Dept - Telephone	201.60	2,015.52	3,000.00	984.48	67.18
100-09-53311-505-000	Hwy Dept - Building Maint	2,459.19	21,810.00	35,000.00	13,190.00	62.31
100-09-53311-600-030	Hwy Dept - Fuel	2,171.09	66,611.79	74,325.00	7,713.21	89.62
100-09-53311-600-600	Hwy Dept - Vehicle Maintenance	3,075.18	41,453.18	40,000.00	-1,453.18	103.63
100-09-53311-700-000	Hwy Dept - Equip Maintenance	12,469.88	76,594.94	45,000.00	-31,594.94	170.21
100-09-53311-900-000	Hwy Dept - Road Maintenance	22,495.20	290,099.82	327,500.00	37,400.18	88.58
100-09-53311-900-010	Hwy Dept - Contracts	0.00	0.00	0.00	0.00	0.00
100-09-53311-901-000	Hwy Dept - Ditching/Grading	3,322.64	20,267.85	50,000.00	29,732.15	40.54
100-09-53311-903-000	Hwy Dept - Salt & Sand	0.00	77,160.54	108,000.00	30,839.46	71.44
100-09-53312-100-000	Engineering Tech	0.00	0.00	0.00	0.00	0.00
100-09-53315-900-001	Hwy Dept - Eisenhower Dr.	0.00	0.00	0.00	0.00	0.00
100-09-53315-902-000	Hwy Dept - Signs	1,016.04	15,402.00	10,000.00	-5,402.00	154.02
100-00-53420-000-000	Street Lighting - General	0.00	5,919.09	6,500.00	580.91	91.06
100-00-53420-001-000	Street Lighting - North Shore	0.00	134.53	170.00	35.47	79.14
100-00-53420-004-000	Street Lighting - HAA	0.00	7,279.48	11,000.00	3,720.52	66.18
100-00-53420-006-000	Street Lighting - NS Woods	0.00	833.04	1,100.00	266.96	75.73
100-09-53430-000-000	Hwy Dept - Sidewalk Maint	0.00	6,300.00	0.00	-6,300.00	0.00
100-00-53441-100-000	Illicit Discharge Program	642.20	2,666.80	5,000.00	2,333.20	53.34
100-00-53620-000-000	Refuse and Garbage Services	34,043.39	346,620.52	384,397.00	37,776.48	90.17
100-00-53635-000-000	Recycling Services	21,924.90	218,197.38	256,099.00	37,901.62	85.20
100-00-53635-100-000	Compost Site	5,040.00	5,273.83	16,000.00	10,726.17	32.96
100-00-53640-000-000	Weed and Nuisance Control	0.00	0.00	14,000.00	14,000.00	0.00
PUBLIC WORKS		157,696.73	2,039,204.86	2,302,660.09	263,455.23	88.56
100-00-54100-000-000	Humane Society - Contribution	0.00	0.00	1,500.00	1,500.00	0.00
100-00-54600-000-000	Fox Valley Transit Call a Ride	0.00	0.00	0.00	0.00	0.00
100-00-54910-000-000	Cemetery	0.00	0.00	0.00	0.00	0.00
100-00-54980-000-000	Other Health - HOVPP	0.00	0.00	700.00	700.00	0.00
HEALTH AND HUMAN SERVICES		0.00	0.00	2,200.00	2,200.00	0.00
100-00-55200-000-000	Parks - Maint. and Utilities	311.42	28,392.40	50,000.00	21,607.60	56.78
100-00-55200-105-000	Parks - Committee FICA	0.00	0.00	0.00	0.00	0.00
100-00-55200-120-000	Parks - Recreation Programs	505.08	5,030.08	10,000.00	4,969.92	50.30
100-00-55200-300-000	Parks - Committee Per Diem	0.00	0.00	0.00	0.00	0.00
CULTURE, RECREATION AND EDU.		816.50	33,422.48	60,000.00	26,577.52	55.70
100-00-56600-000-000	Subdivision - Erosion Control	0.00	0.00	0.00	0.00	0.00
100-00-56700-000-000	Economic Development	0.00	0.00	0.00	0.00	0.00
100-00-56900-000-110	Development	0.00	3,000.00	4,000.00	1,000.00	75.00
100-00-56900-000-200	Incorporation	0.00	0.00	0.00	0.00	0.00
CONSERVATION AND DEVELOPMENT		0.00	3,000.00	4,000.00	1,000.00	75.00

Fund: 100 - GENERAL FUND

Account Number		2023	2023	2023	Budget Status	% of Budget
		November	Actual 11/21/2023	Budget		
100-00-57190-000-000	Capital Outlay - General Gvmnt	428.07	258,762.18	470,000.00	211,237.82	55.06
100-00-57220-000-000	Capital Outlay - Parks	492.00	47,489.50	75,000.00	27,510.50	63.32
100-06-57220-000-000	Fire Dept - Capital Outlay	0.00	36,212.94	119,217.00	83,004.06	30.38
100-07-57220-000-001	Fire Dept - Equipment Escrow	0.00	0.00	163,680.00	163,680.00	0.00
100-00-57230-000-000	Capital Outlay - Trails	0.00	0.00	0.00	0.00	0.00
100-09-57324-000-000	Capital Outlay - Hwy. Equip	0.00	166,186.00	205,000.00	38,814.00	81.07
100-09-57330-000-000	Capital Outlay - Road Projects	1,138,878.29	2,110,464.52	2,990,500.00	880,035.48	70.57
CAPITAL OUTLAY		1,139,798.36	2,619,115.14	4,023,397.00	1,404,281.86	65.10
100-00-58210-000-000	Debt Issuance Costs	0.00	0.00	0.00	0.00	0.00
DEBT SERVICE		0.00	0.00	0.00	0.00	0.00
Total Expenses		1,569,675.04	6,508,945.29	8,802,459.96	2,293,514.67	73.94
Net Totals		-1,541,019.23	-3,046,275.52	-133,038.96	2,913,236.56	2,289.76

Fund: 610 - WATER UTILITY

Account Number		2023	2023	2023	Budget	% of
		November	Actual 11/21/2023	Budget	Status	Budget
610-00-41900-000-000	Interest Income	0.00	120,860.66	0.00	120,860.66	0.00
TAXES						
		0.00	120,860.66	0.00	120,860.66	0.00
610-00-46101-000-000	Residential Metered Sales	27.12	841,410.24	882,587.00	-41,176.76	95.33
610-00-46102-000-000	Commercial Metered Sales	-39.07	95,860.19	85,935.00	9,925.19	111.55
610-00-46103-000-000	Industrial Metered Sales	0.00	0.00	1,535.00	-1,535.00	0.00
610-00-46104-000-000	Public Authority Metered Sales	0.00	26,588.24	19,491.00	7,097.24	136.41
610-00-46105-000-000	Multifamily Metered Sales	0.00	77,500.83	45,000.00	32,500.83	172.22
610-00-46106-000-000	Irrigation Metered Sales	0.00	397.54	395.00	2.54	100.64
610-00-46200-000-000	Private Fire Protection Servic	0.00	14,323.46	0.00	14,323.46	0.00
610-00-46300-000-000	Public Fire Protection Service	-5.48	176,851.51	214,655.00	-37,803.49	82.39
PUBLIC CHARGES FOR SERVICES						
		-17.43	1,232,932.01	1,249,598.00	-16,665.99	98.67
610-00-47000-000-000	Forfeited Discounts	0.00	2,088.86	4,000.00	-1,911.14	52.22
610-00-47400-000-000	Other Water Revenue	1,423.59	4,875.86	5,000.00	-124.14	97.52
INTERGOV'T CHARGES FOR SERV						
		1,423.59	6,964.72	9,000.00	-2,035.28	77.39
610-00-49213-000-000	Transfer from General Utility	0.00	0.00	0.00	0.00	0.00
OTHER FINANCING SOURCES						
		0.00	0.00	0.00	0.00	0.00
Total Revenues		1,406.16	1,360,757.39	1,258,598.00	102,159.39	108.12

Fund: 610 - WATER UTILITY

Account Number		2023		2023 Budget	Budget Status	% of Budget
		2023 November	Actual 11/21/2023			
610-00-57408-000-000	Taxes	0.00	0.00	0.00	0.00	0.00
610-00-57601-000-000	Purchased Water - COA / FC	0.00	492,211.64	649,808.00	157,596.36	75.75
610-00-57602-000-000	Fire Protection - COA	0.00	21,821.67	38,048.00	16,226.33	57.35
610-00-57622-000-000	Fuel/Power Purchase - Pumping	0.00	0.00	0.00	0.00	0.00
610-00-57640-000-000	Operation Labor	3,804.35	94,878.17	97,703.00	2,824.83	97.11
610-00-57641-000-000	Operation Supplies & Expenses	949.06	19,093.71	25,000.00	5,906.29	76.37
610-00-57651-000-000	Maintenance of Mains	0.00	3,604.50	15,000.00	11,395.50	24.03
610-00-57652-000-000	Maintenance of Services	10,258.11	11,703.11	15,000.00	3,296.89	78.02
610-00-57653-000-000	Maintenance of Meters	0.00	1,683.00	5,000.00	3,317.00	33.66
610-00-57654-000-000	Maintenance of Hydrants	1,462.00	3,992.28	0.00	-3,992.28	0.00
610-00-57901-000-000	Meter Reading Labor	0.00	0.00	0.00	0.00	0.00
610-00-57902-000-000	Accounting & Collecting Labor	1,915.60	41,994.40	50,295.00	8,300.60	83.50
610-00-57903-000-000	Supplies and Expenses	0.00	0.00	0.00	0.00	0.00
610-00-57920-000-000	Admin & General Salaries	1,018.29	20,207.84	43,740.00	23,532.16	46.20
610-00-57921-000-000	Office Supplies & Expenses	357.21	14,814.11	29,845.00	15,030.89	49.64
610-00-57923-000-000	Outside Services Employed	24.97	38,426.54	40,000.00	1,573.46	96.07
610-00-57924-000-000	Insurance Expense	0.00	9,478.00	7,651.00	-1,827.00	123.88
610-00-57925-000-000	Payroll Tax - FICA	465.80	10,916.20	12,942.00	2,025.80	84.35
610-00-57926-000-000	Employee Pensions & Benefits	458.21	16,601.69	86,553.00	69,951.31	19.18
610-00-57928-000-000	Regulatory Commission Expenses	0.00	2,181.20	6,000.00	3,818.80	36.35
610-00-57930-000-000	Miscellaneous General Expense	165.00	1,479.24	22,500.00	21,020.76	6.57
610-00-57933-000-000	Transportation Expense	344.33	4,059.89	4,185.00	125.11	97.01
610-00-57935-000-000	Maintenance of General Plant	273.71	2,011.50	2,500.00	488.50	80.46
610-00-57950-000-000	Depreciation Expense	0.00	0.00	0.00	0.00	0.00
CAPITAL OUTLAY		21,496.64	811,158.69	1,151,770.00	340,611.31	70.43
Total Expenses		21,496.64	811,158.69	1,151,770.00	340,611.31	70.43
Net Totals		-20,090.48	549,598.70	106,828.00	-442,770.70	514.47

Fund: 620 - SEWER UTILITY

Account Number		2023		2023 Budget	Budget Status	% of Budget
		2023 November	Actual 11/21/2023			
620-00-46221-000-000	Residential Measured Service	28.97	766,119.38	851,153.00	-85,033.62	90.01
620-00-46222-000-000	Commercial Measured Service	-42.54	96,992.48	91,309.00	5,683.48	106.22
620-00-46223-000-000	Industrial Measured Service	0.00	0.00	3,584.00	-3,584.00	0.00
620-00-46224-000-000	Public Authority Measured Svc	0.00	11,800.54	37,268.00	-25,467.46	31.66
620-00-46225-000-000	Multifamily Measured Service	0.00	93,551.99	62,934.00	30,617.99	148.65
PUBLIC CHARGES FOR SERVICES		-13.57	968,464.39	1,046,248.00	-77,783.61	92.57
620-00-47631-000-000	Forfeited Discounts	0.00	1,673.96	3,453.00	-1,779.04	48.48
620-00-47635-000-000	Other Sewer Revenue	1,465.92	3,866.04	5,205.00	-1,338.96	74.28
620-00-47640-000-000	Interest Income	0.00	120,860.94	0.00	120,860.94	0.00
INTERGOV'T CHARGES FOR SERV		1,465.92	126,400.94	8,658.00	117,742.94	1,459.93
620-00-49213-000-000	Transfer from General Utility	0.00	0.00	0.00	0.00	0.00
OTHER FINANCING SOURCES		0.00	0.00	0.00	0.00	0.00
Total Revenues		1,452.35	1,094,865.33	1,054,906.00	39,959.33	103.79

Fund: 620 - SEWER UTILITY

Account Number		2023	2023	2023	Budget Status	% of Budget
		November	Actual 11/21/2023	Budget		
620-00-57820-000-000	Supervision & Labor	3,985.25	92,577.63	147,998.00	55,420.37	62.55
620-00-57821-000-000	Fuel/Power Purchase - Pumping	180.04	17,966.66	17,000.00	-966.66	105.69
620-00-57827-000-000	Operation Supplies & Expenses	432.02	9,140.38	20,000.00	10,859.62	45.70
620-00-57828-000-000	Transportation Expense	344.34	4,059.98	4,185.00	125.02	97.01
620-00-57829-000-000	Sewerage Treatment Charges	16,077.59	228,422.10	217,210.00	-11,212.10	105.16
620-00-57831-000-000	Maintenance Sewage Collect Sys	0.00	34,524.54	50,000.00	15,475.46	69.05
620-00-57832-000-000	Maint Collection Syst Pumping	712.34	40,415.00	40,000.00	-415.00	101.04
620-00-57833-000-000	Maint Trtmt & Disp Plant Equip	0.00	0.00	0.00	0.00	0.00
620-00-57834-000-000	Maintenance of General Plant	273.71	1,800.54	2,500.00	699.46	72.02
620-00-57840-000-000	Accounting & Collecting Labor	1,915.60	41,994.40	50,295.00	8,300.60	83.50
620-00-57842-000-000	Meter Reading Labor	0.00	0.00	0.00	0.00	0.00
620-00-57843-000-000	Uncollectible Accounts	0.00	0.00	0.00	0.00	0.00
620-00-57850-000-000	Admin & General Salaries	1,018.29	20,207.84	74,093.00	53,885.16	27.27
620-00-57851-000-000	Office Supplies & Expenses	371.87	15,048.81	32,010.00	16,961.19	47.01
620-00-57852-000-000	Outside Services Employed	24.98	66,028.24	40,000.00	-26,028.24	165.07
620-00-57853-000-000	Insurance Expense	0.00	9,478.00	6,878.00	-2,600.00	137.80
620-00-57854-000-000	Employee Pensions & Benefits	470.52	16,444.86	56,674.00	40,229.14	29.02
620-00-57855-000-000	Payroll Tax - FICA	479.61	10,821.33	18,386.00	7,564.67	58.86
620-00-57856-000-000	Miscellaneous General Expense	165.00	1,345.46	1,000.00	-345.46	134.55
620-00-57870-000-000	Interest Expense - CWF Loan	1,708.00	15,956.00	16,250.00	294.00	98.19
620-00-57875-000-000	Amortization Expense-CWF Loan	6,188.00	57,831.00	41,215.00	-16,616.00	140.32
620-00-57950-000-000	Depreciation Expense	0.00	0.00	0.00	0.00	0.00
CAPITAL OUTLAY		34,347.16	684,062.77	835,694.00	151,631.23	81.86
Total Expenses		34,347.16	684,062.77	835,694.00	151,631.23	81.86
Net Totals		-32,894.81	410,802.56	219,212.00	-191,590.56	187.40

Fund: 401 - TAX INCREMENTAL DISTRICT #1

Account Number		2023		2023 Budget	Budget Status	% of Budget
		2023 November	Actual 11/21/2023			
401-00-41110-000-000	Tax Increments - TID #1	0.00	0.00	592,620.00	-592,620.00	0.00
=====						
	TAXES	0.00	0.00	592,620.00	-592,620.00	0.00
=====						
401-00-43430-000-000	TID Exempt Computer Aid	0.00	0.00	0.00	0.00	0.00
=====						
	INTERGOVERNMENTAL REVENUES	0.00	0.00	0.00	0.00	0.00
=====						
	Total Revenues	0.00	0.00	592,620.00	-592,620.00	0.00
=====						

Fund: 401 - TAX INCREMENTAL DISTRICT #1

Account Number		2023	2023	2023	Budget Status	% of Budget
		November	Actual 11/21/2023	Budget		
401-00-51500-000-000	Professional Services - TID #1	0.00	0.00	0.00	0.00	0.00
401-00-51510-000-000	Administrative Costs - TID #1	0.00	150.00	150.00	0.00	100.00
GENERAL GOVERNMENT		0.00	150.00	150.00	0.00	100.00
401-00-56700-000-000	Site Preparation - TID #1	0.00	0.00	0.00	0.00	0.00
401-00-56700-700-000	Grant-Toonen Development TID 1	0.00	391,146.30	380,000.00	-11,146.30	102.93
401-00-56700-701-000	Grant-Gregorski 22 LLC	0.00	-14,942.35	11,800.00	26,742.35	-126.63
401-00-56700-702-000	Grant-Asterion LLC	0.00	188,239.29	91,000.00	-97,239.29	206.86
CONSERVATION AND DEVELOPMENT		0.00	564,443.24	482,800.00	-81,643.24	116.91
401-00-57100-000-000	Property Acquisition - TID #1	0.00	0.00	0.00	0.00	0.00
401-00-57200-000-000	Street Improvements - TID #1	0.00	0.00	0.00	0.00	0.00
401-00-57300-000-000	Utility Improvements - TID #1	0.00	0.00	0.00	0.00	0.00
CAPITAL OUTLAY		0.00	0.00	0.00	0.00	0.00
Total Expenses		0.00	564,593.24	482,950.00	-81,643.24	116.91
Net Totals		0.00	-564,593.24	109,670.00	674,263.24	-514.81

Fund: 402 - TAX INCREMENTAL DISTRICT #2

Account Number		2023		2023 Budget	Budget Status	% of Budget
		2023 November	Actual 11/21/2023			
402-00-41110-000-000	Tax Increments - TID #2	0.00	0.00	31,000.00	-31,000.00	0.00
=====						
	TAXES	0.00	0.00	31,000.00	-31,000.00	0.00
=====						
	Total Revenues	0.00	0.00	31,000.00	-31,000.00	0.00
=====						

Fund: 402 - TAX INCREMENTAL DISTRICT #2

Account Number		2023		2023 Budget	Budget Status	% of Budget
		2023 November	Actual 11/21/2023			
402-00-51500-000-000	Professional Services-TID #2	0.00	0.00	0.00	0.00	0.00
402-00-51510-000-000	Administrative Costs - TID #2	0.00	150.00	150.00	0.00	100.00
GENERAL GOVERNMENT		0.00	150.00	150.00	0.00	100.00
402-00-56700-000-000	Site Preparation - TID #2	0.00	0.00	0.00	0.00	0.00
402-00-56700-700-000	Grant-Premier Harrison LLC	0.00	96,904.41	3,100.00	-93,804.41	3,125.95
CONSERVATION AND DEVELOPMENT		0.00	96,904.41	3,100.00	-93,804.41	3,125.95
402-00-57100-000-000	Property Acquisition - TID #2	0.00	0.00	0.00	0.00	0.00
402-00-57200-000-000	Street Improvements - TID #2	0.00	0.00	0.00	0.00	0.00
402-00-57300-000-000	Utility Improvements - TID #2	0.00	0.00	0.00	0.00	0.00
CAPITAL OUTLAY		0.00	0.00	0.00	0.00	0.00
Total Expenses		0.00	97,054.41	3,250.00	-93,804.41	2,986.29
Net Totals		0.00	-97,054.41	27,750.00	124,804.41	-349.75

Fund: 403 - TAX INCREMENTAL DISTRICT #3

Account Number		2023		2023 Budget	Budget Status	% of Budget
		2023 November	Actual 11/21/2023			
403-00-41110-000-000	Tax Increments - TID #3	0.00	0.00	35,000.00	-35,000.00	0.00
=====						
	TAXES	0.00	0.00	35,000.00	-35,000.00	0.00
=====						
	Total Revenues	0.00	0.00	35,000.00	-35,000.00	0.00
=====						

Fund: 403 - TAX INCREMENTAL DISTRICT #3

Account Number		2023	2023	2023	Budget Status	% of Budget
		November	Actual 11/21/2023	Budget		
403-00-51500-000-000	Professional Services-TID #3	0.00	0.00	0.00	0.00	0.00
403-00-51510-000-000	Administrative Costs - TID #3	0.00	150.00	0.00	-150.00	0.00
GENERAL GOVERNMENT		0.00	150.00	0.00	-150.00	0.00
403-00-56700-000-000	Site Preparation - TID #3	0.00	0.00	0.00	0.00	0.00
403-00-56700-700-000	Grant-Driscoll Properties LLC	0.00	38,933.02	17,600.00	-21,333.02	221.21
CONSERVATION AND DEVELOPMENT		0.00	38,933.02	17,600.00	-21,333.02	221.21
403-00-57100-000-000	Property Acquisition - TID #3	0.00	0.00	0.00	0.00	0.00
403-00-57200-000-000	Street Improvements - TID #3	0.00	0.00	0.00	0.00	0.00
403-00-57300-000-000	Utility Improvements - TID #3	0.00	0.00	0.00	0.00	0.00
CAPITAL OUTLAY		0.00	0.00	0.00	0.00	0.00
Total Expenses		0.00	39,083.02	17,600.00	-21,483.02	222.06
Net Totals		0.00	-39,083.02	17,400.00	56,483.02	-224.62

Fund: 404 - TAX INCREMENTAL DISTRICT #4

Account Number		2023		2023 Budget	Budget Status	% of Budget
		2023 November	Actual 11/21/2023			
404-00-41110-000-000	Tax Increments - TID #4	0.00	0.00	0.00	0.00	0.00
=====						
	TAXES	0.00	0.00	0.00	0.00	0.00
=====						
	Total Revenues	0.00	0.00	0.00	0.00	0.00
=====						

Fund: 404 - TAX INCREMENTAL DISTRICT #4

Account Number		2023		2023 Budget	Budget Status	% of Budget
		2023 November	Actual 11/21/2023			
404-00-51500-000-000	Professional Services-TID #4	0.00	0.00	0.00	0.00	0.00
404-00-51510-000-000	Administrative Costs - TID #4	0.00	150.00	150.00	0.00	100.00
GENERAL GOVERNMENT		0.00	150.00	150.00	0.00	100.00
404-00-56700-000-000	Site Preparation - TID #4	0.00	0.00	0.00	0.00	0.00
404-00-56700-700-000	Grant-Quattro Development LLC	0.00	182,350.44	0.00	-182,350.44	0.00
CONSERVATION AND DEVELOPMENT		0.00	182,350.44	0.00	-182,350.44	0.00
404-00-57100-000-000	Property Acquisition - TID #4	0.00	0.00	0.00	0.00	0.00
404-00-57200-000-000	Street Improvements - TID #4	0.00	0.00	0.00	0.00	0.00
404-00-57300-000-000	Utility Improvements - TID #4	0.00	0.00	0.00	0.00	0.00
CAPITAL OUTLAY		0.00	0.00	0.00	0.00	0.00
Total Expenses		0.00	182,500.44	150.00	-182,350.44	121,666.96
Net Totals		0.00	-182,500.44	-150.00	182,350.44	121,666.96

Fund: 405 - TAX INCREMENTAL DISTRICT #5

Account Number		2023		2023 Budget	Budget Status	% of Budget
		2023 November	Actual 11/21/2023			
405-00-41110-000-000	Tax Increments - TID #5	0.00	0.00	0.00	0.00	0.00
=====						
	TAXES	0.00	0.00	0.00	0.00	0.00
=====						
	Total Revenues	0.00	0.00	0.00	0.00	0.00
=====						

Fund: 405 - TAX INCREMENTAL DISTRICT #5

Account Number		2023		2023 Budget	Budget Status	% of Budget
		November	Actual 11/21/2023			
405-00-51500-000-000	Professional Services-TID #5	0.00	8,489.00	0.00	-8,489.00	0.00
405-00-51510-000-000	Administrative Costs - TID #5	0.00	1,000.00	0.00	-1,000.00	0.00
GENERAL GOVERNMENT		0.00	9,489.00	0.00	-9,489.00	0.00
405-00-56700-000-000	Site Preparation - TID #5	25.73	667.73	0.00	-667.73	0.00
CONSERVATION AND DEVELOPMENT		25.73	667.73	0.00	-667.73	0.00
405-00-57100-000-000	Property Acquisition - TID #5	0.00	0.00	0.00	0.00	0.00
405-00-57200-000-000	Street Improvements - TID #5	0.00	0.00	0.00	0.00	0.00
405-00-57300-000-000	Utility Improvements - TID #5	0.00	0.00	0.00	0.00	0.00
CAPITAL OUTLAY		0.00	0.00	0.00	0.00	0.00
Total Expenses		25.73	10,156.73	0.00	-10,156.73	0.00
Net Totals		-25.73	-10,156.73	0.00	10,156.73	

Fund: 406 - TAX INCREMENTAL DISTRICT #6

Account Number		2023		2023 Budget	Budget Status	% of Budget
		2023 November	Actual 11/21/2023			
406-00-41110-000-000	Tax Increments - TID #6	0.00	0.00	0.00	0.00	0.00
=====						
	TAXES	0.00	0.00	0.00	0.00	0.00
=====						
	Total Revenues	0.00	0.00	0.00	0.00	0.00
=====						

Fund: 406 - TAX INCREMENTAL DISTRICT #6

Account Number		2023		2023 Budget	Budget Status	% of Budget
		November	Actual 11/21/2023			
406-00-51500-000-000	Professional Services-TID #6	0.00	0.00	0.00	0.00	0.00
406-00-51510-000-000	Administrative Costs - TID #6	0.00	1,000.00	0.00	-1,000.00	0.00
GENERAL GOVERNMENT		0.00	1,000.00	0.00	-1,000.00	0.00
406-00-56700-000-000	Site Preparation - TID #6	0.00	0.00	0.00	0.00	0.00
406-00-56700-700-000	Grant-WI Wealth Management	0.00	250,000.00	0.00	-250,000.00	0.00
CONSERVATION AND DEVELOPMENT		0.00	250,000.00	0.00	-250,000.00	0.00
406-00-57100-000-000	Property Acquisition - TID #6	0.00	0.00	0.00	0.00	0.00
406-00-57200-000-000	Street Improvements - TID #6	0.00	0.00	0.00	0.00	0.00
406-00-57300-000-000	Utility Improvements - TID #6	0.00	0.00	0.00	0.00	0.00
CAPITAL OUTLAY		0.00	0.00	0.00	0.00	0.00
Total Expenses		0.00	251,000.00	0.00	-251,000.00	0.00
Net Totals		0.00	-251,000.00	0.00	251,000.00	

VILLAGE BOARD MEETING

VILLAGE OF HARRISON

From:

Chad Pelishek, Assistant Village Manager

Meeting Date:

November 28, 2023

Title:

Planning and Zoning

Issue:

None

Background and Additional Information:

Staff has been working on the following items:

- a. The Street Acceptance Process and developed a new checklist/application.
- b. Developed policy for private streets and private utilities.
- c. Review requirements with village departments on new items to be in developer's agreements.
- d. Updated and documented the Land Division process.
- e. Had the kickoff meeting with Redevelopment Resources and their economic development work.
- f. Finalized the economic development advertising with Travel Calumet County (attached).
- g. Meet with multiple commercial brokers and developers re: commercial development.
- h. Working with sign vendors on updating the Village Hall signage.
- i. Launched Village Survey
- j. Completed the Rennwood Park survey.
- k. Inventoried village owned properties for development opportunities.
- l. Handled day to day questions regarding zoning and planning.

Budget Impacts:

None

Recommended Action:

None

Attachments:

- [Harrison 2024 Travel Calumet County.pdf](#)
- [October_Zoning_Report.pdf](#)

A Place Your Business Can Call Home

Harrison grew nearly 25% from 2015 - 2022

GET EVERY ADVANTAGE

- Prime location bordering City of Appleton & Menasha
- Commercial development opportunities
- Pro-business government
- Great quality of life amenities on northern tip of Lake Winnebago



Village of Harrison
October-23 Zoning Permit Report

	Current Year				Previous Year			
	Permits	YTD Permits	Estimated Value	YTD Estimate Value	Permits	YTD Permits	Estimated Value	YTD Estimate Value
Residential								
Single Family	5	73	\$ 2,005,000	\$ 28,108,140	12	55	\$ 5,139,000	\$ 22,814,011
Two Family (units)	0 (0)	0	\$ 0	\$ 0	0 (0)	2	\$ 0	\$ 1,200,000
Multi Family (units)	0 (0)	0	\$ 0	\$ 0	0 (0)	0	\$ 0	\$ 0
Additions	2	9	\$ 112,000	\$ 564,500	1	13	\$ 115,000	\$ 769,000
Acc. Structures	1	35	\$ 500	\$ 442,500	0	18	\$ 0	\$ 737,541
Miscellaneous	10	107	\$ 78,700	\$ 1,153,060	8	97	\$ 71,319	\$ 924,580
Total Residential	18	224	\$ 2,196,200	\$ 30,268,200	21	185	\$ 5,325,319	\$ 26,445,132
Com./Ind.								
New	0	3	\$ 0	\$ 1,850,000	0	5	\$ 0	\$ 6,650,000
Additions	0	1	\$ 0	\$ 230,000	0	1	\$ 0	\$ 5,000,000
Acc. Structures	0	3	\$ 0	\$ 80,000	0	1	\$ 0	\$ 15,000
Miscellaneous	1	4	\$ 75,000	\$ 87,695	0	12	\$ 0	\$ 608,285
Total Com./Ind.	1	11	\$ 75,000	\$ 2,247,695	0	19	\$ 0	\$ 12,273,285
Combined Total	19	235	\$ 2,271,200	\$ 32,515,895	21	204	\$ 5,325,319	\$ 38,718,417

Number of Vacant
Lots Remaining 127

VILLAGE BOARD MEETING

VILLAGE OF HARRISON

From:

Chad Pelishek, Assistant Village Manager and Jeff Funk,
Operations Manager

Meeting Date:

November 28, 2023

Title:

Parks and Trails

Issue:

None

Background and Additional Information:

Over the previous month, the following items has been completed in Parks and Trails:

1. DPW staff installed a new park sign at Farmers Field.
2. DPW's contractor installed new park signage at Darboy Community Park and Clover Ridge Park.
3. DPW staff insulated the ceiling of the Darboy shelter for Festival of Lights.
4. Staff met with McMahon re: electrical at Farmers Field. A preliminary plan was received from WE Energies for power to the park. Staff felt the need for McMahon to develop an overall plan for all lighting in the plan to make sure the main service line will not be affected by future lighting. Conversation is also happening with WE Energies about them providing all interior parking lighting except for the soccer fields.
5. Staff worked with Farmers Field Playground Supplier to pinpoint actual dates in April/May 2024 for the installation of playground in the spring. The supplier ran out of the time in 2023 to install the equipment.
6. Staff is working on plan to install new trees along the entrance road tree line at Farmers Field with a local contractor, to be reviewed by Board.
7. Staff is removing the tree that is hindering the lights at Darboy Community Park. A new tree will be installed in a different location as part of the work in Number 6.

Budget Impacts:

Recommended Action:

None

Attachments:

- [20231121_133510.jpg](#)

- [20231023_100215.jpg](#)





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Village of
HARRISON
WHERE OPPORTUNITY LIVES

Farmers Field Park

ESTABLISHED 2020

Welcome Everyone!

Dedicated to the Village of Harrison in memory of
Alex & Eleanor Hoeszel and their son, Tom

VILLAGE BOARD MEETING

VILLAGE OF HARRISON

From:

Chad Pelishek, Assistant Village Manager and Jeff Funk,
Operations Manager

Meeting Date:

November 28, 2023

Title:

Public Works/Engineering

Issue:

None

Background and Additional Information:

1. Staff has been working on completing final prep for the winter season including cleaning brush from ditches, putting plows on the trucks and staking curbs for plows.
2. SouthTowne Subdivision street was paved the week of November 6, 2023.

Budget Impacts:

None

Recommended Action:

None

VILLAGE BOARD MEETING

VILLAGE OF HARRISON

From:

Brandon Barlow, Utilities Office Manager

Meeting Date:

November 28, 2023

Title:

Harrison Utilities

Issue:

Monthly Report

Background and Additional Information:

The items outlined below represent the noteworthy activities of the Utility since the prior report. Staff conducts the regular business of the Utility, the details of which can be reviewed upon request by the Board.

1. **Meeting with Appleton Water Treatment Plant Staff:** On November 3rd, Assistant Village Manager Pelishek, Utilities Operator Foreman Van Zeeland, and Utilities Office Manager Barlow met with Appleton Utilities Director Chris Shaw, Water Operations Supervisor John Pogrants, and Enterprise Accounting Manager Kelli Rindt. In addition to a plant tour, the two main topics of discussion were enhancing the quality control process for the sanitary sewer flow metering and evaluating water system capacity in relation to growth plans within Harrison Utilities and the Village.

It was determined that Plant staff will continue to invite a Harrison Utilities Operator to the annual meter testing and calibration. Additionally, Plant staff and a Utilities Operator will do a visual inspection twice a year of the manhole which contains the flow meter.

Plant staff informed Utilities staff that the City is currently evaluating plans for a proposed “South Pressure Zone” within the City’s water infrastructure system. This additional infrastructure would be installed and maintained by the City, but would likely provide the necessary system pressure and reserve capacity to continue to allow for expansion of Harrison Utilities’ water service area. As the project proceeds, plans will be shared with Harrison Utilities, Martenson & Eisele, and the Board.

2. **Utility Arrears Sent to the Tax Roll:** Per Stat. § 66.0809 utility arrears, along with a 10% penalty, are levied as a special charge against the parcel. The information was sent to the Clerk/Treasurer/Finance Office of the Village of Harrison, City of Menasha, and City of Appleton

respectively on November 16th. The total amount of arrears (including penalty) sent for certification was \$13,247.42 for 30 customers.

3. **Public Service Commission Water Refund Process Completed:** As part of the 12/7/20 Final Decision on the Application of the Village of Harrison for Authority to Adjust Water Rates (6335-WR-103) the PSC directed that Harrison Utilities “shall refund the \$297,371 in water Facilities Connection Fees it has collected from water customers” (Order Point 5). As part of a multi-year effort to complete this directive, staff were able to refund a total of \$236,050.30 to applicants. Upon direction of the PSC, the Village Attorney, and the Department of Revenue (DOR), the remaining \$61,320.70 was sent to the DOR’s Unclaimed Property program.

A summary of the refunds was filed with the PSC’s Electronic Records Filing (ERF) System, as PSC REF# 482981 (attached). In an email dated 11/1/23 (attached), PSC Division of Water Utility Regulation and Analysis Audit Manager Kathleen (Kathy) Butzlaff, Ms. Butzlaff stated that “We do not need any other information at this time. Commission staff will note in our internal database that the Utility has filed the information required in the order point.”

4. **Engineering Report:** Report (attached) as submitted by Mary Jo Miller, P.E., Martenson & Eisele, Inc.

5. **Neenah-Menasha Sewerage Commission (NMSC):** Several Commission meetings have taken place since the prior Board Report. A regular meeting was held on October 24th, which included passage of the 2024 Budget. A special meeting was held on October 31st to discuss the purchase of a biosolids building as well as a contractor for biosolids management, hauling, storage, and land application. A special meeting was held on November 8th to discuss the wastewater contract between the Commission and Sonoco, which is the only non-municipal entity which is contracted with the Commission. The municipal entities that are contracted with the Commission are the Village of Harrison, the City of Menasha, the City of Neenah, the Village of Fox Crossing, and the Town of Neenah Sanitary District #2.

Agendas for the October 24th, October 31st, and November 8th meetings are attached along with the minutes from the September 26th meeting. The next scheduled meeting is November 28th, for which the agenda has not yet been published as of the time of packet material submission.

6. **Permits Issued in October:**

1. Sanitary Sewer Connection:

Area	Single Family & Duplex	Multi-Family	Commercial
------	------------------------	--------------	------------

Lakeshore (Harrison)	0	0	0
Lift Station #4 – Harrison	0	0	0
Lift Station #4 – Menasha	3	0	0
Lift Station #6 (Harrison)	3	0	0

1. Operating Permits for Private Wells on Premises Served by Public Infrastructure:

Permit Type	Count
Five Year Renewal	0
First Time Permit	0

Budget Impacts:

None

Recommended Action:

None

Attachments:

- [2023.09.26 NMSC Meeting Minutes.pdf](#)
- [2023.10.24 NMSC Meeting Agenda.pdf](#)
- [2023.10.31 NMSC Special Meeting Agenda.pdf](#)
- [2023.11.01 - Email Correspondence with PSC Auditor Kathy Butzlaff.pdf](#)
- [2023.11.08 NMSC Special Meeting Agenda.pdf](#)
- [PSC Ref 482981 \(Updated Water Connectoin Fee Refund Narrative as of 10.27.23\).PDF](#)
- [2023-11-21 Engineer Status Report w Const Spreadsheet.pdf](#)

NEENAH-MENASHA SEWERAGE COMMISSION

Public Hearing & Regular Meeting

Tuesday September 26, 2023

Meeting was called to order by Commission President Youngquist at 8:00 a.m.

Present: Commissioners Brandon Barlow, Forrest Bates, Steve Coburn, Corey Gordon, Greg Weyenberg, Dale Youngquist, Raymond Zielinski; Manager Paul Much; Accounting Clerk Melissa Starr.

Excused:

Also Present: Rob Franck (MCO), Randall Much (MCO), Chad Olsen (McMahon), Roger Voigt (MCO)

Public Hearing

Motion made and seconded by Commissioners Gordon/Bates to open the Public Hearing to receive comment on the proposed 2024 NMSC Budget. Motion carried unanimously. President Youngquist reported the proposed budget reflects the changes authorized at the August 28th Commission meeting, however, additional changes need to be made which requires the Public Hearing to be rescheduled for a later date; items discussed included increasing laboratory testing fees to include PFAS, additional sludge hauling charges, and proposed borrowing to purchase real estate for a biosolids site. Commissioners agreed to republish the proposed budget with the needed changes and to reschedule the Public Hearing for 8:00 am on Tuesday, October 24, 2023. After discussion, motion and second made by Commissioners Bates/Zielinski to close the Public Hearing and return to Regular Open Session. Motion carried unanimously. Public Hearing closed at 8:13 am.

Public Forum

No one in attendance for the Public Forum.

Minutes

August 28, 2023 Meeting minutes. Motion made and seconded by Commissioners Zielinski/Bates to approve the minutes from the August 28, 2023 Regular Meeting and Closed Session. Motion carried unanimously.

Correspondence

There was no correspondence to be discussed.

Old Business

There was no old business to be discussed.

New Business

Operations, Engineering, Planning

McMahon Associates Report:

Phosphorus Removal/UV Disinfection Project – Chad Olsen reported there is no new information to report.

Biosolids Storage Building Condition Assessment – Chad Olsen presented the Biosolids Storage Building Condition Assessment proposal and provided additional details on what the engineers will be checking during the assessment. Manager Much recommended an ESA phase 1 be included in the overall assessment. After discussion, motion made and seconded by Commissioners Weyenberg/Bates to approve the Biosolids Storage Building Condition Assessment proposal including an ESA phase 1 not to exceed \$14,500. Motion carried unanimously.

Class A Biosolids Application – Chad Olsen presented the Class A Biosolids Application proposal and explained the NMSC process meets the definition for Class A biosolids, but needs to be certified as such by the DNR. Motion made and seconded by Commissioners Bates/Coburn to approve the Class A Biosolids Application proposal. Motion carried unanimously.

McMahon Invoices: Motion made and seconded by Commissioners Coburn/Bates to approve payment of invoice #931977 for Biosolids Management in the amount of \$3,727.35. Motion carried unanimously.

Pieper Electric Proposal: Rob Franck provided additional information regarding the Pieper Electric proposal to ground and protect the biogas boiler stacks. He explained that \$6,000 was budgeted in the current budget to ground each tower and stack to the grounding electrode system of the Gas Handling Building. During an onsite visit last month, lightning protection was discussed and Pieper provided a proposal for installing a lightning protection system along with the grounding project. Installing the system would add approximately \$3,000 to the budgeted grounding that was planned, but is recommended to help mitigate the effects to equipment should such an event occur. After discussion, motion made and seconded by Commissioner Bates/Zielinski to approve the proposal for grounding and lightning protection of the biogas boiler stacks for \$9,100. Motion carried unanimously.

Sewer Extension Requests:

Northshore Villas Condominiums – Manager Much reported all information was submitted and recommends approval of the sewer extension request for Northshore Villas Condominiums. Motion made and seconded by Commissioner Barlow/Coburn to approve the sewer extension request for Northshore Villas Condominiums located in the Village of Harrison, Harrison Utilities. Motion carried unanimously.

The Homes of Freedom Meadows-Phase 3 – Manager Much reported all information was submitted and recommends approval of the sewer extension request for The Homes of Freedom Meadows-Phase 3. Motion made and seconded by Commissioner Bates/Zielinski to approve the sewer extension request for The Homes of Freedom Meadows-Phase 3 located in the City of Neenah. Motion carried unanimously.

1st Addition to Freedom Acres – Manager Much reported all information was submitted and recommends approval of the sewer extension request for the 1st Addition to Freedom Acres. Motion made and seconded by Commissioner Weyenberg/Bates to approve the sewer extension request for the 1st Addition to Freedom Acres located in the City of Neenah. Motion carried unanimously.

Operating Report: Manager Much reported the plant is operating well; staff will be completing grease trap inspections soon. He reported the scheduling of the inspections is currently done using an excel spreadsheet and staff are looking to utilize a more user-friendly program going forward. Diamond Maps is utilized by other communities to help with scheduling and navigating to locations. It is a subscription-based program that costs \$20 per month. Based on consensus, the Commissioners approved the use of Diamond Maps for grease trap inspections.

Equipment & Grounds Report: Rob Franck reviewed his report and provided further details on: Final clarifier inspections have been completed; once chlorination season ends staff will be emptying and inspecting the chlorination and de-chlorination systems; installing insulating blankets on the digesters; Lab AC unit started on Monday and should be complete within the week; programming of the sodium hypochlorite feed pumps is complete and working well. After discussion, motion made and seconded by Commissioners Zielinski/Weyenberg to accept the Operations Report and Equipment & Grounds Report. Motion carried unanimously.

Budget, Finance, Personnel

Financial Statements: Accounting Clerk Starr reported on the August financial statements; Interest rates on funds in the LGIP are at 5.31%, interest rates for the ICS CDARS have also increased to 5.15%. MCO generated about \$2,400 in additional revenue for the Commission. After discussion, motion made and seconded by Commissioners Bates/Coburn to approve the Accounting Report for August 2023. Motion carried unanimously.

Reduction in O&M Rates: Accounting Clerk Starr reported having reviewed the operating income for the year and determined a 25% reduction to the O&M rates for the months of November and December of 2023 should help offset the excess funds collected to date. Motion made and seconded by Commissioners Coburn/Bates to approve reducing the O&M rates for the November and December 2023 billings. Motion carried unanimously.

Beduhn Properties Agency Agreement: Commissioners agreed to keep Beduhn Properties, LLC in mind for future real estate needs, however, assistance from the agency is not needed at this time.

Biosolids Hauling: Based on discussion during closed session, motion made and seconded by Commissioners Bates/Weyenberg to accept the Biosolids Hauling proposal and begin contract negotiations with Full Service Organics (FSO). Motion carried unanimously.

Update on Sonoco Contract Renewal: Manager Much reported there is no new information to report.

MCO Invoices: Motion made and seconded by Commissioners Coburn/Bates to approve for payment MCO invoices #29975, and #30023 in the amounts of \$142,367.48, and \$550.29 with payment to be made after October 1, 2023. Motion carried unanimously.

Vouchers: Motion made and seconded by Commissioners Coburn/Zielinski to approve Operating and Payroll Vouchers #140049 through #140105 in the amount of \$458,565.26 for the month of August 2023. Motion carried unanimously.

NMSC Proposed 2024 Budget: Based on discussion during the Public Hearing, Commissioners agreed to update and republish the proposed budget with the needed changes and to reschedule the Public Hearing for 8:00 am on Tuesday, October 24, 2023.

Adjournment

Motion made and seconded by Commissioners Bates/Coburn to adjourn the meeting. Motion carried unanimously. Meeting adjourned at 8:57 a.m.



President



Secretary

NEENAH-MENASHA SEWERAGE COMMISSION
Public Hearing & Regular Meeting
Tuesday, October 24, 2023 -- 8:00 A.M.
101 Garfield Avenue, Menasha WI 54952

AGENDA

1. ROLL CALL

2. PUBLIC HEARING TO RECEIVE COMMENTS ON THE PROPOSED 2024 NMSC BUDGET.

1. Comments and Discussion on Proposed 2024 NMSC Budget
2. Motion to adjourn the Public Hearing and reconvene into open session

3. PUBLIC FORUM

4. APPROVAL OF MINUTES

- September 26, 2023 Public Hearing & Regular Meeting

5. CORRESPONDENCE

6. OLD BUSINESS

7. NEW BUSINESS

- **Operations, engineering matters** -

A. McMahon Associates Report -- Update and discussion on the following projects with potential action to be taken based on discussions held:

1. Phosphorus Removal & UV Disinfection Equipment

B. McMahon Invoices

#932379	Plant Re-Rate Study	\$ 93.00
#932380	As-Needed SCADA & Control Services	\$ 324.75
#932381	Biosolids Management	\$2,672.10

C. Operating Report for September 2023

1. Operating Report
2. Equipment and Grounds Report

- **Budget, finance matters** -

D. Accounting Report for September 2023

1. Financial Statements
2. Cash & Investment Report

E. Update and Discussion on Contract Renewal for the Wastewater Service Agreement between Sonoco/U.S. Paper Mills and the NMSC; with Potential Action(s) to be taken on matters discussed

F. MCO Invoices.

#30049	November 2023 Contract Operations	\$ 142,367.48
--------	-----------------------------------	---------------

G. Vouchers -- Operating and Payroll Vouchers #140106 thru #140160 in the amount of \$436,660.86 for the month of September 2023

H. Discussion and potential action regarding Purchase Agreement for Biosolids Building

I. Discussion and potential action regarding Front-End Loader Rental

J. Discussion and potential action regarding Biosolids Hauling Agreement

K. Proposed 2024 NMSC Budget -- Discussion on and potential action for approval

8. ADJOURNMENT

NEENAH-MENASHA SEWERAGE COMMISSION

Special Meeting

Tuesday, October 31, 2023 - 9:45 A.M.

McMahon Associates

Team Conference Room
1445 McMahon Drive
Neenah (Fox Crossing), WI 54956

AGENDA

1. Roll Call
2. Discussion with community Mayors and Administrators
3. **The Commission intends to convene into closed session pursuant to Wis. Stat. 19.85(1)(e) for the purpose of deliberating or negotiating the purchasing of public properties, the investing of public funds, or conducting other specified public business, whenever competitive or bargaining reasons require a closed session. During the closed session, the Commission will discuss real estate matters. (Roll Call Vote Required).**
 - A. Discussion of items
 - i. Purchase Agreement for Biosolids Building
 - ii. Biosolids Management, Hauling, Storage, and Land Application Agreement
 - B. Motion to adjourn the closed session and reconvene into open session.
4. **Action(s) to be taken on matters discussed in Closed Session.**
 - A. The Commission may return to Open Session following the Closed Session to take action on matters discussed during the Closed Session. The Commission is unable to predict how long it will be in Closed Session to discuss the above listed matter(s).
5. Adjournment.

Brandon Barlow

From: Butzlaff, Kathy - PSC <Kathy.Butzlaff@wisconsin.gov>
Sent: Wednesday, November 1, 2023 3:45 PM
To: Brandon Barlow
Cc: Chad Pelishek; Matt Heiser; Clerk; Fisher, Andrew - PSC
Subject: RE: Attorney Advice to Handle Unclaimed Utility Money

Categories: PSC

Hi Brandon,

Thank you for the final update on the refunds that you filed on 10/27/2023. We do not need any other information at this time. Commission staff will note in our internal database that the Utility has filed the information required in the order point.

Kathy

Have you subscribed to your Docket? To receive notifications of documents that are filed to PSC's Electronic Records Filing System (ERF), you must subscribe to the docket. Subscribe at [ERF-EZ Subscriptions](#), or go to [Subscribing Instructions](#) for more information.

From: Brandon Barlow <BBarlow@harrisonutilities.org>
Sent: Monday, October 30, 2023 12:04 PM
To: Butzlaff, Kathy - PSC <Kathy.Butzlaff@wisconsin.gov>
Cc: Chad Pelishek <cpelishek@harrison-wi.org>; Matt Heiser <MHeiser@harrison-wi.org>; Tessen, Vicki L - MUN <clerk@harrison-wi.org>
Subject: RE: Attorney Advice to Handle Unclaimed Utility Money

CAUTION: This email originated from outside the organization
Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Kathy,

We wanted to touch base to confirm that the Unclaimed Property Holder Report and payment of \$61,320.70 have been submitted by the Village's Clerk-Treasurer to the Department of Revenue per the updated information that I filed in ERF on Friday (Ref#482981). Please let us know if there is any other information that is needed in order bring this project to completion.

Thank you,

Brandon Barlow
Utility Office Manager

Phone: 920-989-1062 Option 1
www.harrison-wi.org

From: Butzlaff, Kathy - PSC <Kathy.Butzlaff@wisconsin.gov>
Sent: Thursday, October 26, 2023 7:47 AM
To: Brandon Barlow <BBarlow@harrisonutilities.org>
Cc: Chad Pelishek <cpelishek@harrison-wi.org>; Matt Heiser <MHeiser@harrison-wi.org>
Subject: RE: Attorney Advice to Handle Unclaimed Utility Money

Good Morning Brandon,

The format you used in June will be good.

Thanks, Kathy

Have you subscribed to your Docket? To receive notifications of documents that are filed to PSC's Electronic Records Filing System (ERF), you must subscribe to the docket. Subscribe at [ERF-EZ Subscriptions](#), or go to [Subscribing Instructions](#) for more information.

From: Brandon Barlow <BBarlow@harrisonutilities.org>
Sent: Thursday, October 26, 2023 7:40 AM
To: Butzlaff, Kathy - PSC <Kathy.Butzlaff@wisconsin.gov>
Cc: Chad Pelishek <cpelishek@harrison-wi.org>; Matt Heiser <MHeiser@harrison-wi.org>
Subject: RE: Attorney Advice to Handle Unclaimed Utility Money

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Good morning, Kathy. Per the email exchange below I will be filing an update to the narrative that was last filed on 6/28/23. It will include amount refunded, amount unclaimed, and the advice of the Village Attorney to turn over the unclaimed funds to the DOR.

Is the PSC satisfied with the information (payees and amounts) being filed in a summary manner similar to the prior narrative update or would the PSC be requesting the filing include any specific information regarding the payees?

Thank you,

Brandon Barlow
Utility Office Manager

Phone: 920-989-1062 Option 1
www.harrison-wi.org

From: Butzlaff, Kathy - PSC <Kathy.Butzlaff@wisconsin.gov>
Sent: Tuesday, October 24, 2023 11:41 AM
To: Matt Heiser <MHeiser@harrison-wi.org>
Cc: Chad Pelishek <cpelishek@harrison-wi.org>; Brandon Barlow <BBarlow@harrisonutilities.org>
Subject: RE: Attorney Advice to Handle Unclaimed Utility Money

Hi Matt,

Thanks for the quick e-mail. Yes, that is what needs to be filed on ERF. The report the Utility filed on 6/28/2023 contained good information so you could build on that report.

Thanks, Kathy

Have you subscribed to your Docket? To receive notifications of documents that are filed to PSC's Electronic Records Filing System (ERF), you must subscribe to the docket. Subscribe at [ERF-EZ Subscriptions](#), or go to [Subscribing Instructions](#) for more information.

From: Matt Heiser <MHeiser@harrison-wi.org>
Sent: Tuesday, October 24, 2023 11:33 AM
To: Butzlaff, Kathy - PSC <Kathy.Butzlaff@wisconsin.gov>
Cc: Chad Pelishek <cpelishek@harrison-wi.org>; Brandon Barlow <BBarlow@harrisonutilities.org>
Subject: Attorney Advice to Handle Unclaimed Utility Money

**CAUTION: This email originated from outside the organization.
Do not click links or open attachments unless you recognize the sender and know the content is safe.**

Hi Kathy,

I found the attorney's recommendation. He had spoken with an "Anne" at the DoR. Her direction to the Village Attorney for municipal owned utilities was that unclaimed funds originating from a municipal utility must be disposed of using Chapter 177, otherwise known as the Uniform Unclaimed Property Act. Under this statute, "utility companies" have to turn over unclaimed refunds, deposits, and other property to the Department of Revenue. See <https://www.revenue.wi.gov/DOR%20Publications/pb82.pdf> for instructions.

So that is the end result of the attorney's advice.

So, by the end of this week, you are looking for a final report from us that lists the amount of money that was refunded, the amount of money that remained, and the advice of the attorney on what to do with it.

Thanks,
--Matt.

Matt Heiser
Village Manager
Village of Harrison
W5298 State Road 114
Harrison, WI 54952
P: 920-989-1062 F: 920-989-1077
www.harrison-wi.org
"where opportunity lives"

NEENAH-MENASHA SEWERAGE COMMISSION

Special Meeting

Wednesday, November 8, 2023 - 9:00 A.M.

McMahon Associates

Team Conference Room
1445 McMahon Drive
Neenah (Fox Crossing), WI 54956

AGENDA

1. Roll Call
2. The Commission intends to convene into closed session pursuant to Wis. Stat. 19.85(1)(e) for the purpose of deliberating or negotiating the purchasing of public properties, the investing of public funds, or conducting other specified public business, whenever competitive or bargaining reasons require a closed session. During the closed session, the Commission will discuss negotiating position relative to the wastewater contract with Sonoco. (Roll Call Vote Required).
 - A. Discussion of items
 - B. Motion to adjourn the closed session and reconvene into open session.
3. Action(s) to be taken on matters discussed in Closed Session.
 - A. The Commission may return to Open Session following the Closed Session to take action on matters discussed during the Closed Session. The Commission is unable to predict how long it will be in Closed Session to discuss the above listed matter(s).
4. Adjournment.



Public Service Commission Water Connection Fee Refund Narrative

Background

On December 7th, 2020, as part of its Final Decision (PSC REF#:401264) on the Application of the Village of Harrison for Authority to Adjust Water Rates (6335-WR-103) the Public Service Commission of Wisconsin (PSC) directed that Harrison Utilities “shall refund the \$297,371 in water Facilities Connection Fees it has collected from water customers” (Order Point 5).

Funds Returned to Applicants

A total of \$236,050.30 of the PSC Directed Amount has been refunded to permit applicants, summarized as follows:

Category	Amount
PSC Directed Amount	\$297,371.00
2021 Refunds	\$ 19,762.90
2023 Refunds	\$216,287.40
Total Refunded	\$236,050.30
Unclaimed Funds	\$ 61,320.70

Unclaimed Funds Sent to the Department of Revenue

The Village Attorney in collaboration with the Department of Revenue determined the unclaimed funds needed to be submitted to the Department of Revenue under Chapter 177. Village staff was in contact with the Department of Revenue on October 26, 2023 and confirmed from the support staff personnel that the dormancy period for the unclaimed funds and all requirements have been met to transfer the unclaimed funds to the Department via the Village’s My Tax Account portal. Village staff uploaded the spreadsheet containing the unclaimed funds and the payment to the tax account effective October 27, 2023. From this point forward any requests the utility receives will be forwarded to the Department of Revenue.

November 21, 2023

Harrison Utilities
Village of Harrison

Re: Engineer's Status Report

Attached is a spreadsheet summarizing current and potential development projects and the status of Martenson & Eisele, Inc. (M&E) plan review, construction of utilities, record drawings, and system map updates. The following projects are included on this spreadsheet:

Current Projects:

- Asterion Apartments
- Woodland Heights
- Driscoll Properties
- Woodland Lakes Cottages
- North Shore Ridge
- Harrison Heights
- Northshore Villas Condominium

Potential Future Projects:

- Subedi Brothers (Coop Rd. and Manitowoc Rd.)
- Green Meadows on Lake Park (Midway Rd. and Lake Park Rd.)

Martenson & Eisele, Inc. met with Village of Harrison staff on November 2nd and November 21st, 2023. Discussion included the following:

1. Village Board Meetings: The Village would like a representative from Martenson & Eisele, Inc. to attend Village Board meetings.
2. Monthly Meetings with Harrison Utilities: M&E will meet monthly with Village staff prior to the Village Board meeting to review the draft Engineer Status Report and current projects.
3. Long Term Planning: Village staff is interested in pursuing long term planning for utilities needed to serve future development. The first steps will be to meet with East Central Regional Planning Commission to discuss sewer service areas and to continue to work with Calumet County to update the Village's Comprehensive Plan.
4. Harrison Utilities Ordinance: Martenson & Eisele, Inc. recommended improvements to the Harrison Utilities Ordinances in 2022. Village staff would like to continue working toward finalizing and adopting a revised Ordinance in the near future.
5. Harrison Utilities Specifications: Martenson & Eisele, Inc. will work with Tom VanZeeland to update the Harrison Utilities Standard Specifications.



Martenson & Eisele, Inc.

Plan It. Design It. Build It.®

Planning - Environmental - Surveying - Engineering - Architecture

6. GIS Mapping for Harrison Utilities: Working toward GIS mapping for utilities will be a priority for the Village. Additional meetings will be held with M&E to further discuss the GIS mapping process, and a proposal will be provided to the Village.
7. Connection Fees: The Village understands that the Connection Fee Study approved in June of 2023 includes estimated sewer oversizing costs. Additional information was requested (and provided to the Village on November 8, 2023) regarding the required connection fees if the Village were proactive in constructing the sanitary sewer to serve the development areas.
8. Water and Sewer Rate Studies: The Village acknowledges that it is important to have documentation justifying current and proposed rates. Updating the Water Rate Study for Harrison Utilities is a more complicated process (as compared to the Sewer Rate Study) because of Public Service Commission involvement.
9. Lift Station No. 3 Forcemain Replacement: The Village submitted an Intent to Apply to the Wisconsin Department of Natural Resources for Clean Water Funds in October of 2023 for State Fiscal Year 2025 funding for this project. M&E is working with the Village to consider proposed improvements and the project timeline.
10. Development Procedures Checklists: The Village is working on a checklist of items that need to be complete before the Village will accept a new subdivision. This was discussed further in a meeting with Village Staff and McMahon on November 14th.
11. Service to Fire Lane 12 and Fire Lane 13: Mary Jo Miller provided a copy of a study done by Martenson & Eisele, Inc. in 2014 with recommendations to provide Harrison Utilities sanitary sewer service to residences along Fire Lanes 12 and 13. This area will be discussed further as part of the long-term planning process.
12. Bidders Prequalification List: This Harrison Utilities list of prequalified bidders is updated every two years, with the next update to be done in the spring of 2024.

If you have questions on the above or the attached documents, please call me at (920) 731-0381 or on my cell phone at (920) 203-0865. We appreciate the opportunity to work with you. Thank you.

Sincerely,

Martenson & Eisele, Inc.

Mary Jo Miller

Mary Jo Miller, P.E.
Project Engineer

Harrison Utilities Projects
 Engineer's Status Report
 Village of Harrison
 Orig - November 30, 2022
 November 21, 2023

HU = Harrison Utilities
 DTHU - Delivered to Harrison Utilities
 *M&E did not serve as Harrison Utilities Engineer during construction of these projects

Note: M&E updating overall map to coincide with Calumet County Coordinate System. Once old map has been updated, JWS will go through structure ID's with Tom Van Zeeland



MJM = Mary Jo Miller CRC = Chris Cleary
 JWS = Jeff Schultz KCV = Kevin Verhagen
 Jim Grogan Back Up (920-585-3517)
 (M&E to provide 3-11x17's & 1-24x36 of Record Drawings)



MH = Matt Heiser, Village Administrator
 CP = Chad Pelishek, Assistant Village Administrator
 BB = Brandon Barlow, Utility Office Manager
 TVZ = Tom Van Zeeland, HU Systems Operator (cell = 920-850-6864)

Current Projects		Phase	Developer Name	Location	Municipality	Development Type	M&E	M&E	S & W	Record	C A D	Systems	Additional Comments
Project Name	Project Number						Designer	Status	Status	Drawings Status		Map Update Status	
*Asterion Apartments	1	Lexington	N/O Sonny Drive, E/O Lake Park Rd.	Harrison	Multi-Family	1-0038-041	REL	N/A	Complete	*Unavailable	Y	Complete	Project is Complete (Except Record Drawings)
*Asterion Apartments	2	Lexington	N/O Sonny Drive, E/O Lake Park Rd.	Harrison	Multi-Family	Pending	REL	N/A	Complete	*Unavailable	Y	Complete	Project is Complete (Except Record Drawings)
*Woodland Heights		Mike Hagens	E/O Kernan & N. Ext. of Woodcrest Dr.	Harrison	Resid. Subdiv.	N/A	McMahon	N/A	Complete	*Unavailable	Y	Complete	Project is Complete (Except Record Drawings)
*Driscoll Luxury Prop II	2	Millennium	N. Coop Road and E. Midway Road	Harrison	Multi-Family	1-0038-052	Davel Eng.	Complete	Complete	*Unavailable	Y	Complete	Project is Complete (Except Record Drawings)
Woodland Lakes Cottages	2	Atkins Dev. Group, LLC	S/O Phase 1, Closer to Hwy. 10/114	Menasha	Resid. Subdiv.	1-0038-054	McMahon	Complete	Complete	Complete	Y	Complete	Checklist of required binder items supplied on 1/23/23 Utilities have been installed. Waiting for test results.
North Shore Ridge	1	N. Shore Ridge, LLC	E/O Fire Lane 10, Adjacent to CN RR	Harrison	Resid. Subdiv.	1-0038-056	Davel Eng.	Complete	Complete	Complete	Y	Pending	Punchlist Items provided 10/24/23. No timing provided by Engineer to wrap up.
Harrison Heights	1	DeWitt Dev. LLC	E/O Creekside Estates Across Hwy 10 from Zirbel Dr.	Harrison	Resid. Subdiv.	1-0038-058	Davel Eng.	Complete	Complete	Complete	Y	Future	Acceptance materials provided to HU. JWS needs ID's on System Maps
Northshore Villas Condominium		Atlas Development	SW Corner - Old Hwy Rd & North Shore Rd.	Harrison	Resid. Condo	1-0038-062	Davel Eng.	On-Going	Pending	Pending	N	Future	Chad to supply private decision & materials to Davel Engineering
Harrison Heights	2	DeWitt Dev. LLC	E/O Creekside Estates Across Hwy 10 from Zirbel Dr.	Harrison	Resid. Subdiv.	1-0038-064	Davel Eng.	Complete	Pending	Pending	N	Future	Had Pre-Consult. Waitng for Pre-Con. JWS to create Preliminary Contruction List Draft Developers Agreement Discussed with Village Staff on 11/14/2023
Future Projects		Phase	Developer Name	Location	Municipality	Development Type	M&E	M&E	S & W	Record	C A D	Systems	Additional Comments
Development Name	Project Number						Designer	Status	Status	Drawings Status		Map Update Status	
Pending		Subedi Brothers Real Estate LLC Property	Coop Rd & Manitowoc Rd, SE Corner	Harrison	Resid. Subdiv.	N/A	N/A	N/A	N/A	N/A		N/A	Parcel 33502 East of Woodland School
Green Mdws on Lake Park		Kaster Property	Midway Rd and Lake Park Rd. Parcel 46188 and 43840	Harrison	Resid. Subdiv.	N/A	N/A	N/A	N/A	N/A		N/A	CP noted on 10/17/23 - Rezone is required and may not be supported by V. Board MJM provided preliminary info. on sewer/water service to BB on 11/13/2023

VILLAGE BOARD MEETING

VILLAGE OF HARRISON

From:

Vicki Tessen, Clerk-Treasurer

Meeting Date:

November 28, 2023

Title:

Clerk/Treasurer
+ ARPA Report
+ Financial Report

Issue:

Background and Additional Information:

Deputy Clerk Winkler completed a 3-day online training covering elections with emphasis on processes, planning, and presidential elections. This education will be very valuable as she will be increasing her election responsibilities as staff prepares for two polling locations.

A hiring committee of Manager Heiser, Assistant Manager Pelishek and Clerk Tessen was created to fill the new Project Assistant position. We received over 70 applications and selected 4 to interview. The process is ongoing as of the writing of this memo and hope to make an announcement very soon.

Tax levies and special charges are being added to the tax bills and sent to the County treasurer. The anticipated mail date is December 10th. The insert will be completed and sent to the Board for review in the next few days and sent to the county for printing.

Staff is busy with regular day to day tasks plus all the additional duties that come in November and the end of year projects.

Budget Impacts:

none

Recommended Action:

Report Only

Attachments:

- [ARPA Fund ledger 11 22 23.pdf](#)
- [Account Summary.pdf](#)

Wisconsin Department of Revenue - State and Local Finance Division
American Rescue Plan Act - Local Fiscal Recovery Funds June 3, 2021

Allocation to Non-Entitlement Unit

Co-Muni Code	08131
County	CALUMET
Municipality	VLG OF HARRISON
2019 Census Pop.	12358
Total ARPA Allocation	\$1,293,494.00
2021 ARPA Allocation	\$646,747
2022 ARPA Allocation	\$646,747

REVENUE ACCT: Nicolet - Village Rev
REVENUE G/L: 240-00-43300-000-000
EXPENSE G/L: 240-00-51400-000-000
MEMO: Project # & Expense description

Project #	Comment / Description	Board Approved	ALOTTED	Actual Spent to Date	(Over) / Under Alotted	Available Balance	Fund Balance	Village Status	ARPA Report Date
	ARPA Funds Rec'd 6/25/21- acct 300		\$ (646,747)			\$ 646,747	\$ 646,747		
6.1.001	Vlg Hall - Rooftop HVAC Units	8/10/21	\$ 59,500	\$ 59,500	\$ -	\$ 587,247	\$ 587,247	Completed	4/30/22
6.1.003	Vlg Hall - Front Office Laptop		\$ 1,720	\$ 1,720	\$ -	\$ 585,527	\$ 585,527	Completed	4/30/22
6.1.002	Vlg Hall - Office Renovation	3/8/22	\$ 12,000	\$ 11,923	\$ 77	\$ 573,604	\$ 573,604	In process	4/30/22
6.1.004	Village - Elections - Badger Books Software	1/25/22	\$ 30,000	\$ 26,513	\$ 3,487	\$ 547,091	\$ 547,091	Completed	4/30/22
6.1.005	Employees - *Covid PTO Backpay & Sick Bank	2/8/22	\$ 60,000	\$ 2,487		\$ 487,091	\$ 544,604	In process	4/30/22
6.1.006	Village - Meeting, Online Forms, & Website Software	5/31/22	\$ 257,392	\$ 179,696		\$ 229,699	\$ 364,908	In process	4/30/23
6.1.007	Village - Phone System	5/31/22	\$ 11,000	\$ 11,193	\$ (193)	\$ 218,506	\$ 353,715	Completed	4/30/23
6.1.008	Village - Network Server + Cell phone misc.		\$ 22,000	\$ 21,197	\$ 803	\$ 197,310	\$ 332,518	Completed	4/30/23
	ARPA Funds Rec'd 6/21/2022 - acct 300		\$ (646,747)			\$ 844,057	\$ 979,265		
6.1.009	Fire Dept. - Washer Extractors	6/28/22	\$ 26,100	\$ 26,045	\$ 55	\$ 818,011	\$ 953,220	Completed	4/30/23
6.1.010	Fire Dept. - Polaris Ranger Skid Unit	6/28/22	\$ 24,000	\$ 23,400	\$ 600	\$ 794,611	\$ 929,820	Completed	4/30/23
6.1.011	Clerk/Treas Dept. - Computer	7/12/22	\$ 1,095	\$ 1,075	\$ 20	\$ 793,536	\$ 928,745	Completed	4/30/23
6.1.012	Village - Recreation - Courts @ Darboy Comm. Park	7/12/22	\$ 81,916			\$ 711,620	\$ 928,745	In process	4/30/23
6.1.013	Employees - Safety Program	7/26/22	\$ 5,000			\$ 706,620	\$ 928,745	In process	4/30/23
6.1.014	Village - Recreation - Playground @ Farmer's Field Park	10/20/22	\$ 130,000	\$ 129,614	\$ 386	\$ 577,006	\$ 799,131	Completed	4/30/23
6.1.014	Village - Recreation - Equipment @Farmer's Field	1/31/23	\$ 72,170	\$ 72,170	\$ -	\$ 504,836	\$ 726,961	Completed	4/30/24
6.1.015	Fire Dept. - Gas Line Upgrade	9/29/22	\$ 3,100	\$ 3,051	\$ 49	\$ 501,786	\$ 723,910	Completed	4/30/23
6.1.016	Village - Automatic Door Operators for Vlg Hall	3/28/23	\$ 9,000	\$ 8,691	\$ 309	\$ 493,095	\$ 715,219	Completed	4/30/24
6.1.017	I-Pads / Tablets for Boards & Commissions	4/25/23	\$ 7,000			\$ 486,095	\$ 715,219		4/30/24
6.1.018	Road Safety Improvement at State Park Rd & Cty Trk KK	5/9/23	\$ 206,667			\$ 279,428	\$ 715,219		
6.1.019	Village - Election Equipment	5/30/23	\$ 37,025	\$ 37,485	\$ (460)	\$ 241,943	\$ 677,734	Completed	
6.1.020	Community Outreach / 10-Year Celebration	5/30/23	\$ 31,050	\$ 26,334	\$ 4,716	\$ 215,608	\$ 651,400	Completed	
6.1.021	Village - Recreation - Trail @ Van's Road Pond	8/29/23	\$ 46,861	\$ 46,861	\$ (0)	\$ 168,747	\$ 604,539	Completed	
6.1.022	Economic Dev. - Redevelopment Resources Contract	10/24/23	\$ 10,000			\$ 158,747	\$ 604,539		
TOTALS			\$ 1,144,596	\$ 688,955		\$ 158,747	\$ 604,539		

2023 - Village Accounts	August	September	October
Vlg Mmbrship QTRLY Interest	0.996%	0.996%	
Beginning Balance	11,199.53	11,199.53	11,227.65
Credits			
Interest		28.12	
Debits			
Ending Balance	11,199.53	11,227.65	11,227.65
VLG CD	4.218%	4.218%	Matures 10/18/23 new rate 5.223%
Beginning Balance	336,533.74	337,739.34	338,910.23
Interest	1,205.60	1,170.89	1,346.10
Ending Balance	337,739.34	338,910.23	340,256.33
Vlg MM	3.928%	3.928%	
Beginning Balance	704,603.12	706,953.75	709,236.15
Credits			
Interest	2,350.63	2,282.40	2,366.09
Ending Balance	706,953.75	709,236.15	711,602.24
Money Mrkt			
Beginning Balance	291,482.08	291,556.35	291,628.24
Credits			
Debits			
Interest	74.27	71.89	74.31
Ending Balance	291,556.35	291,628.24	291,702.55
Savings CD		4.80%	4.80%
Beginning Balance	266,335.09	266,335.09	266,335.09
Interest			3,165.90
Ending Balance	266,335.09	266,335.09	269,500.99
Local Gov't Investment Pool 131			
Beginning Balance	260,103.53	261,277.13	262,425.85
Interest	1,173.60	1,148.72	1,195.96
Ending Balance	261,277.13	262,425.85	263,621.81
Checking General	5.15%	5.31%	5.35%
Beginning Balance	6,941,953.58	6,895,375.09	6,582,691.62
Credits	1,114,389.56	59,428.06	435,264.53
Debits	1,189,900.71	400,231.16	1,121,797.63
Interest	28,932.66	28,119.63	30,400.93
Ending Balance	6,895,375.09	6,582,691.62	5,926,559.45
Money Mrkt Tax	5.15%	5.31%	5.35%
Beginning Balance	6,726,383.46	6,755,716.02	6,783,891.98
Credits			
Debits			
Interest	29,332.56	28,175.96	31,752.33
Ending Balance	6,755,716.02	6,783,891.98	6,815,644.31
Checking Taxes 2723	5.15%	5.31%	5.35%
Beginning Balance	281,752.97	282,981.64	284,161.87
Credits			5,600.00
Debits			234,161.87
Interest	1,228.67	1,180.23	314.07
Ending Balance	282,981.64	284,161.87	55,914.07
ONLINE Account	5.15%	5.31%	5.35%
Beginning Balance	51,424.53	51,648.78	51,864.19
Credits			
Debits			
Interest	224.25	215.41	242.75
Ending Balance	51,648.78	51,864.19	52,106.94
Checking TOWN ACCOUNT 8500 APY .0% (stagnant account)			
Beginning Balance	11,064.35	11,064.35	11,064.35
Credits			
Debits			
Ending Balance	11,064.35	11,064.35	11,064.35
	August	September	October
All Funds Total:	15,871,847.07	15,593,437.22	14,749,200.69

2023 HARRISON UTILITIES Account Statement Summary for Village Board.xlsx

2023 HARRISON UTILITIES	August	September	October
Utility MM (customer paymnt)	3.687%	3.203%	3.928%
Beginning Balance	\$ 963,750.20	\$ 406,056.60	\$ 170,414.54
Credits	\$ 244,014.93	\$ 238,147.47	\$ 256,142.40
Debits	\$ 804,731.00	\$ 475,142.70	\$ 393.98
Interest	\$ 3,022.47	\$ 1,353.17	\$ 923.29
Ending Balance	\$ 406,056.60	\$ 170,414.54	\$ 427,086.25
HU Expense account	0.399%	0.399%	0.399%
Beginning Balance	\$ 187,995.25	\$ 138,826.07	\$ 134,049.59
Credits	\$ 9,331.60	\$ 324,877.75	\$ 213,806.55
Debits	\$ 58,557.50	\$ 329,720.14	\$ 224,771.78
interest	\$ 56.72	\$ 65.91	\$ 69.73
Ending Balance	\$ 138,826.07	\$ 134,049.59	\$ 123,154.09
HU 8 mo CD - matures 8/29/2023 - 4.21	Renewed 8/29/23	4.889%	4.889%
Beginning Balance	\$ 512,615.71	\$ 514,409.78	\$ 516,476.86
Interest	\$ 1,794.07	\$ 2,067.08	\$ 2,144.57
Ending Balance	\$ 514,409.78	\$ 516,476.86	\$ 518,621.43
CD Utility Bldg Proceeds - matures 1/29	2.178%	2.178%	2.178%
Beginning Balance	\$ 61,293.96	\$ 61,407.34	\$ 61,517.27
Interest	\$ 113.38	\$ 109.93	\$ 113.80
Ending Balance	\$ 61,407.34	\$ 61,517.27	\$ 61,631.07
Utility MM (Reserve Acct)	4.218%	4.218%	4.218%
Beginning Balance	\$ 5,039,831.78	\$ 5,858,718.57	\$ 6,053,527.17
Credits	\$ 800,000.00	\$ 475,000.00	
Debits	\$ -	\$ 300,000.00	\$ 200,000.00
Interest	\$ 18,886.79	\$ 19,808.60	\$ 21,039.08
Ending Balance	\$ 5,858,718.57	\$ 6,053,527.17	\$ 5,874,566.25
Checking Utilities	5.15%	5.31%	5.35%
Beginning Balance	\$ 565,157.00	\$ 566,978.62	\$ 569,156.33
Credits			
Debits	\$ 640.16	\$ 186.45	\$ 49.95
interest	\$ 2,461.78	\$ 2,364.16	\$ 2,663.75
Ending Balance	\$ 566,978.62	\$ 569,156.33	\$ 571,770.13
Money Mrkt Utility	5.15%	5.31%	5.35%
Beginning Balance	\$ 56,001.36	\$ 56,245.57	\$ 56,480.15
Credits	\$ -	\$ -	\$ -
Debits	\$ -	\$ -	\$ -
Interest	\$ 244.21	\$ 234.58	\$ 264.36
Ending Balance	\$ 56,245.57	\$ 56,480.15	\$ 56,744.51
	August	September	October
All Funds Total:	7,602,642.55	7,561,621.91	7,633,573.73

VILLAGE BOARD MEETING

VILLAGE OF HARRISON

From:

Matt Heiser, Village Manager

Meeting Date:

November 28, 2023

Title:

The Board will meet in closed session pursuant to Wis. State Stats. 19.85 (1) (e), to deliberate or negotiate the purchasing of public properties, the investing of public funds, or conducting other specified public business, whenever competitive or bargaining reasons require a closed session. Specifically, to be discussed is a possible development opportunity on STH 114/USH 10.

Attendees will include: the Village President, Board, Manager, Assistant Manager, Clerk, and Attorney.

Pursuant to section 19.85(2) of the Wisconsin Statutes, the Board will reconvene into open session for possible action on the closed session item and to resume the remainder of the agenda items.

Issue:

Background and Additional Information:

Budget Impacts:

Recommended Action:

VILLAGE BOARD MEETING

VILLAGE OF HARRISON

From:

Vicki Tessen, Clerk-Treasurer

Meeting Date:

November 28, 2023

Title:

October 2023

Issue:

The October bills and claims are presented for Board approval.

Background and Additional Information:

Budget Impacts:

Recommended Action:

Approve the October 20223 bills and claims for the Village and Utilities as presented.

Attachments:

- [Bills & Claims - Village October.pdf](#)
- [Bills & Claims - Utility October.pdf](#)

Bills & Claims - Village

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NICOLET (INVESTORS) BANK VOH

Accounting Checks

Posted From: 10/01/2023 From Account:
Thru: 10/31/2023 Thru Account:

Check Nbr	Check Date	Payee	Amount
EFT 10/02/2023		DELTA DENTAL	
CLERK MANAGER OFFICE ASST OCT			Manual Check
100-02-51400-200-000		Gen. Admin - Benefits	554.21
		CLERK MANAGER OFFICE ASST OCT 2016907	
100-09-53311-200-000		Hwy Dept - Benefits	801.96
		HWY DEPT OCTOBER 2016907	
100-01-51101-200-000		Planning - Benefits	0.00
		PLANNER OCTOBER 2016907	
100-00-14500-000-000		Due from Special Purpose Dist.	400.42
		UTILITIES OCT 2023 DELTA DENTAL 719345	
			Total 1,756.59
EFT 10/03/2023		FSA DEPENDENT CARE ACCOUNT	
B BARLOW 2023 FSA DEP CARE REIMBURSEMENT			Manual Check
100-00-21045-000-000		Health Insurance Payable	946.00
		B BARLOW 2023 FSA DEP CARE REIMBURSEMENT	
			Total 946.00
EFT 10/02/2023		VOXTELESYS, LLC	
257836			Manual Check
100-02-51400-400-006		Gen. Admin - Service Contracts	246.18
		TRUNK UNLMTD SRVR HOST LOCALE911 257836	
			Total 246.18
EFT 10/02/2023		INTERNAL REVENUE SERVICE-PAYROLL TAXES	
EMPLOYEE SOCIAL SECURITY 9/28/23			Manual Check
100-00-21020-000-000		Social Security Taxes Payable	3,365.93
		EMPLOYEE SOCIAL SECURITY 9/28/23	
100-00-21020-000-000		Social Security Taxes Payable	787.17
		EMPLOYEE MEDICARE 9/28/23	
100-00-21020-000-000		Social Security Taxes Payable	3,365.93
		EMPLOYER LIABILITY SOCIAL SEC 9/28/23	
100-00-21020-000-000		Social Security Taxes Payable	787.17
		EMPLOYER LIABILITY MEDICARE 9/28/23	
100-00-21030-000-000		U.S. Withholding Taxes Payable	3,305.86
		FED INCOME TAXES 9/28/23	
			Total 11,612.06
EFT 10/10/2023		WI DEPT OF REVENUE-PAYROLL TAXES	
STATE TAXES WT-6 FOR PAYROLL 9/28/23			Manual Check

Bills & Claims - Village

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ACCT

NICOLET (INVESTORS) BANK VOH

Accounting Checks

Posted From: 10/01/2023 From Account:
Thru: 10/31/2023 Thru Account:

Check Nbr	Check Date	Payee	Amount
100-00-21040-000-000		State Withholding Tax Payable STATE TAXES WT-6 FOR PAYROLL 9/28/23	2,013.03
Total			2,013.03
<hr/>			
EFT 10/02/2023 MERCHANT CHOICE CARD SERVICES			
9/1 - 9/30 CREDIT CARD PROCESSING FEES Manual Check			
100-02-51400-400-006		Gen. Admin - Service Contracts 9/1 - 9/30 CREDIT CARD PROCESSING FEES	300.85
Total			300.85
<hr/>			
EFT 10/10/2023 FSA DEPENDENT CARE ACCOUNT			
B BARLOW 2023 FSA DEP CARE REIMBURSEMENT Manual Check			
100-00-21045-000-000		Health Insurance Payable B BARLOW 2023 FSA DEP CARE REIMBURSEMENT	307.00
Total			307.00
<hr/>			
EFT 10/12/2023 UNITED HEALTHCARE			
OFFICE OCT 2023 HEALTH INSURANCE Manual Check			
100-02-51400-200-000		Gen. Admin - Benefits OFFICE OCT 2023 HEALTH INSURANCE 890638664747	8,886.33
100-09-53311-200-000		Hwy Dept - Benefits SHOP OCT 2023 HEALTH INSURANCE 890638664747	12,206.34
100-01-51101-200-000		Planning - Benefits PLANNER OCT 2023 HEALTH INSURANCE 890638664747	0.00
100-00-14500-000-000		Due from Special Purpose Dist. UTILITIES OCT 2023 HEALTH INSURANCE 890638664747	4,367.15
Total			25,459.82
<hr/>			
EFT 10/17/2023 FSA DEPENDENT CARE ACCOUNT			
B BARLOW 2023 FSA DEP CARE REIMBURSEMENT Manual Check			
100-00-21045-000-000		Health Insurance Payable B BARLOW 2023 FSA DEP CARE REIMBURSEMENT	307.00
Total			307.00
<hr/>			
EFT 10/19/2023 ELAN FINANCIAL SERVICES			
PAYMENT TO VT CARD Manual Check			
100-06-52200-400-000		Fire Dept - Supplies/Services FROM 10/6/23 SEEK THERMAL CAMERAS	2,994.00
Total			2,994.00

Bills & Claims - Village

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ACCT

NICOLET (INVESTORS) BANK VOH

Accounting Checks

Posted From: 10/01/2023 From Account:
Thru: 10/31/2023 Thru Account:

Check Nbr	Check Date	Payee	Amount
EFT 10/23/2023 RELIANCE STANDARD LIFE INSURANCE COMPANY			
NOV 2023 LIFE & DISABILITY HWY DEPT			Manual Check
100-09-53311-200-000		Hwy Dept - Benefits	293.52
NOV 2023 LIFE & DISABILITY HWY DEPT			
100-02-51400-200-000		Gen. Admin - Benefits	322.72
NOV 2023 LIFE & DISABILITY OFFICE			
100-01-51101-200-000		Planning - Benefits	36.15
NOV 2023 LIFE & DISABILITY PLANNER			
100-06-52200-200-000		Fire Dept - Benefits	52.67
NOV 2023 LIFE & DISABILITY FIRE			
			Total 705.06
EFT 10/24/2023 VERIZON WIRELESS			
IPAD FOR STATION 60			Manual Check
100-06-52200-500-022		Fire Station 60 - Telephone	10.14
IPAD FOR STATION 60 9945411635			
100-07-52200-500-022		Fire Station 70 - Telephone	10.14
IPAD FOR STATION 70 9945411635			
100-02-51400-400-006		Gen. Admin - Service Contracts	27.65
PLAN ACCOUNT CHARGES 9/27-10/26 9945411635			
			Total 47.93
EFT 10/31/2023 WISCONSIN EMPLOYEE TRUST FUND (ETF)			
VOH RETIREMENTSEP			Manual Check
100-00-21520-000-000		Wisconsin Retirement Payable	11,123.86
VOH RETIREMENTSEP 292634			
100-00-21520-000-000		Wisconsin Retirement Payable	3,368.34
UTILITIES RETIREMENT SEP 292634			
			Total 14,492.20
EFT 10/25/2023 WE ENERGIES			
ACCT 0716666446-00001 FIRE DEPT #2 ELEC			Manual Check
100-07-52200-500-020		Fire Station 70 - Electric	187.02
ACCT 0716666446-00001 FIRE DEPT #2 ELEC			
100-00-53420-004-000		Street Lighting - HAA	814.85
ACCT 0716666446-00003 General Lights			
100-00-53420-001-000		Street Lighting - North Shore	15.09
ACCT 0716666446-3 NorthShore Golf Course			

Bills & Claims - Village

NICOLET (INVESTORS) BANK VOH

Accounting Checks

Posted From: 10/01/2023 From Account:
Thru: 10/31/2023 Thru Account:

Check Nbr	Check Date	Payee	Amount
100-00-53420-006-000		Street Lighting - NS Woods ACCT 0716666446-3 NorthShore Woods Sub.	92.83
100-00-53420-000-000		Street Lighting - General ACCT 0716666446-00003 Harrisville Court	71.42
100-00-51600-500-021		Municipal Bldg - Heat ACCT 0716666446-00004 HALL/SHOP GAS HEAT	29.64
100-00-55200-000-000		Parks - Maint. and Utilities ACCT 0716666446-6 COMMUNITY PARK LIGHTS	310.68
100-09-53311-500-020		Hwy Dept - Electric ACCT 0716666446-00007 ELECTRIC SHOP 60%	549.95
100-00-51600-500-020		Municipal Bldg - Electric ACCT 0716666446-00007 TOWN HALL ELEC 40%	366.64
100-06-52200-500-021		Fire Station 60 - Heat ACCT 0716666446-00008 FIRE DEPT #1 HEAT	9.90
100-00-53420-000-000		Street Lighting - General ACCT 0716666446-9 LED STREET LIGHTING	323.85
100-00-55200-000-000		Parks - Maint. and Utilities ACCT 0716666446-00010 Shelter-Noe Road	64.15
100-07-52200-500-021		Fire Station 70 - Heat ACCT 0716666446-00011 FIRE DEPT #2 GAS	28.75
100-00-55200-000-000		Parks - Maint. and Utilities ACCT0716666446-12 COMMPARK SPECIALEVENTS	14.73
100-06-52200-500-020		Fire Station 60 - Electric ACCT 0716666446-00013 FIRE DEPT #1 ELEC	160.09
100-00-53635-100-000		Compost Site ACCT 0716666446-00016 YARD WASTE	14.73
100-00-53420-000-000		Street Lighting - General SERVICE CREDIT	0.00
Total			3,054.32

EFT 10/12/2023 WI DEFERRED COMP
UTILITIES DEF COMP PAYROLL 10/12/23

Manual Check

100-00-21525-000-000		Wisc Deferred Comp Payable UTILITIES DEF COMP PAYROLL 10/12/23	340.00
100-00-21525-000-000		Wisc Deferred Comp Payable VILLAGE DEF COMP PAYROLL 10/12/23	825.00
Total			1,165.00

Bills & Claims - Village

NICOLET (INVESTORS) BANK VOH

Accounting Checks

Posted From: 10/01/2023 From Account:
Thru: 10/31/2023 Thru Account:

Check Nbr	Check Date	Payee	Amount
<hr/>			
EFT	10/16/2023	INTERNAL REVENUE SERVICE-PAYROLL TAXES	
		EMPLOYEE SOCIAL SECURITY 10/12/23	Manual Check
100-00-21020-000-000		Social Security Taxes Payable	3,491.99
		EMPLOYEE SOCIAL SECURITY 10/12/23	
100-00-21020-000-000		Social Security Taxes Payable	816.66
		EMPLOYEE MEDICARE 10/12/23	
100-00-21020-000-000		Social Security Taxes Payable	3,491.99
		EMPLOYER LIABILITY SOCIAL SEC 10/12/23	
100-00-21020-000-000		Social Security Taxes Payable	816.66
		EMPLOYER LIABILITY MEDICARE 10/12/23	
100-00-21030-000-000		U.S. Withholding Taxes Payable	3,575.87
		FED INCOME TAXES 10/12/23	
		Total	12,193.17
<hr/>			
EFT	10/25/2023	WI DEPT OF REVENUE-PAYROLL TAXES	
		STATE TAXES WT-6 FOR PAYROLL 10/12/23	Manual Check
100-00-21040-000-000		State Withholding Tax Payable	2,074.23
		STATE TAXES WT-6 FOR PAYROLL 10/12/23	
		Total	2,074.23
<hr/>			
EFT	10/25/2023	WI DEPT OF REVENUE-SALES TAX	
		SALES AND USE TAX DUE FROM 3RD QTR 2023	Manual Check
100-00-21041-000-000		Sales Tax Due to State	229.11
		SALES AND USE TAX DUE FROM 3RD QTR 2023	
		Total	229.11
<hr/>			
EFT	10/23/2023	FSA DEPENDENT CARE ACCOUNT	
		B BARLOW 2023 FSA DEP CARE REIMBURSEMENT	Manual Check
100-00-21045-000-000		Health Insurance Payable	307.00
		B BARLOW 2023 FSA DEP CARE REIMBURSEMENT	
		Total	307.00
<hr/>			
EFT	10/30/2023	FSA DEPENDENT CARE ACCOUNT	
		B BARLOW 2023 FSA DEP CARE REIMBURSEMENT	Manual Check
100-00-21045-000-000		Health Insurance Payable	307.00
		B BARLOW 2023 FSA DEP CARE REIMBURSEMENT	
		Total	307.00
<hr/>			
EFT	10/26/2023	WI DEFERRED COMP	
		UTILITIES DEF COMP PAYROLL 10/26/23	Manual Check

Bills & Claims - Village

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NICOLET (INVESTORS) BANK VOH

Accounting Checks

Posted From: 10/01/2023 From Account:
Thru: 10/31/2023 Thru Account:

Check Nbr	Check Date	Payee	Amount
100-00-21525-000-000		Wisc Deferred Comp Payable UTILITIES DEF COMP PAYROLL 10/26/23	340.00
100-00-21525-000-000		Wisc Deferred Comp Payable VILLAGE DEF COMP PAYROLL 10/26/23	825.00
Total			1,165.00

EFT 10/30/2023 INTERNAL REVENUE SERVICE-PAYROLL TAXES
EMPLOYEE SOCIAL SECURITY 10/26/23

Manual Check

100-00-21020-000-000		Social Security Taxes Payable EMPLOYEE SOCIAL SECURITY 10/26/23	3,660.88
100-00-21020-000-000		Social Security Taxes Payable EMPLOYEE MEDICARE 10/26/23	856.15
100-00-21020-000-000		Social Security Taxes Payable EMPLOYER LIABILITY SOCIAL SEC 10/26/23	3,660.88
100-00-21020-000-000		Social Security Taxes Payable EMPLOYER LIABILITY MEDICARE 10/26/23	856.15
100-00-21030-000-000		U.S. Withholding Taxes Payable FED INCOME TAXES 10/26/23	4,175.96
Total			13,210.02

3838 10/11/2023 VOID
VOID CK 3838 2/26/16 STALE REPLC W/14440

Manual Check

100-00-11100-000-000		SHARE OF CHECKING-General VOID CK 3838 2/26/16 STALE REPLC W/14440	0.00
Total			0.00

4897 10/11/2023 VOID
VOID CK 4897 2/8/17 STALE REPLC W/14440

Manual Check

100-00-11100-000-000		SHARE OF CHECKING-General VOID CK 4897 2/8/17 STALE REPLC W/14440	0.00
Total			0.00

14407 10/04/2023 BROOKS TRACTOR INC - SUN PRAIRIE
C00080

100-09-53311-700-000		Hwy Dept - Equip Maintenance FROM 9/27/23 B&D 416 STANDARD BLANKS C00080	1,250.00
Total			1,250.00

14408 10/04/2023 CHARTER COMMUNICATIONS- 15410
15410092323

Bills & Claims - Village

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ACCT

NICOLET (INVESTORS) BANK VOH

Accounting Checks

Posted From: 10/01/2023 From Account:
Thru: 10/31/2023 Thru Account:

Check Nbr	Check Date	Payee	Amount
100-02-51400-400-006		Gen. Admin - Service Contracts	145.42
		SERVICE PERIOD 09/23/23-10/22/23	
Total			145.42
14409	10/04/2023	CHARTER COMMUNICATIONS- 33313 33313092423	
100-02-51400-400-006		Gen. Admin - Service Contracts	119.99
		SERVICE PERIOD 9/24-10/23	
Total			119.99
14410	10/04/2023	CYPRESS HOMES INC ESCROW RETURN N9342 DUSTY DR	
100-00-21060-000-000		Building Escrows Payable	1,500.00
		ESCROW RETURN N9342 DUSTY DR	
Total			1,500.00
14411	10/04/2023	CYPRESS HOMES INC GRADING ESCROW RETURN N9284 CASSANDRA	
100-00-21060-000-000		Building Escrows Payable	1,500.00
		GRADING ESCROW RETURN N9284 CASSANDRA	
Total			1,500.00
14412	10/04/2023	DARBOY SANITARY DISTRICT BILLING PERIOD 7/01/23-9/30/23	
100-00-55200-000-000		Parks - Maint. and Utilities	130.22
		BILLING PERIOD 7/01/23-9/30/23	
Total			130.22
14413	10/04/2023	DNR ACCOUNTS RECEIVABLE 370-0000031884	
100-06-52200-400-000		Fire Dept - Supplies/Services	979.00
		FROM 9/1/23 FOAM 5 GAL CLASS A	
Total			979.00
14414	10/04/2023	EMERGENCY MEDICAL PRODUCTS, INC. 2584513, 2584158, 2584689	
100-08-52300-000-000		1st Responders - Operating Exp	209.88
		FRM9/21/23LITTMANN CLSSC III STETHISCOPE 2584689	
100-08-52300-000-000		1st Responders - Operating Exp	34.00
		FROM 9/20/23 B&F NOSE CLIP 2584513	

Bills & Claims - Village

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NICOLET (INVESTORS) BANK VOH

Accounting Checks

Posted From: 10/01/2023 From Account:
Thru: 10/31/2023 Thru Account:

Check Nbr	Check Date	Payee	Amount
100-08-52300-000-000		1st Responders - Operating Exp	659.60
		FRM9/19/23 ZOLL STAT MULTI FUNCTION CPR 2584158	
Total			903.48

14415 10/04/2023 GFL ENVIRONMENTAL
U30000120567, U30000120798

100-00-53620-000-000		Refuse and Garbage Services	32,767.47
		RES TRASH FOR SEPTEMBER U30000120798	
100-00-53635-000-000		Recycling Services	21,830.85
		RES RECYCLING FOR SEPTEMBER U30000120798	
100-00-53620-000-000		Refuse and Garbage Services	85.00
		COMMERCIAL TRASH DUMPSTER FOR SEPTEMBER U30000120798	
100-00-53635-000-000		Recycling Services	58.00
		COMMERCIAL RECYCLING DUMPSTER FOR SEPT U30000120798	
100-00-53620-000-000		Refuse and Garbage Services	0.00
		DAMAGED CARTS N/A	
100-00-53620-000-000		Refuse and Garbage Services	1,096.47
		ENERGY CHARGE RESIDENT PICKUP U30000120798	
100-00-53620-000-000		Refuse and Garbage Services	2.86
		ENERGY CHARGE VILLAGE HALL PICKUP U30000120798	
100-00-53620-000-000		Refuse and Garbage Services	77.00
		COMMUNITY PARK TRASH PICKUP U30000120567	
100-00-53620-000-000		Refuse and Garbage Services	0.00
		CONTAMINATION CHR G N/A	
100-00-53620-000-000		Refuse and Garbage Services	50.00
		BULKY ITEM PICKUP N9665 DARBOY U30000120798	
100-00-53620-000-000		Refuse and Garbage Services	0.00
		FALL YARD PICKUP N/A	
100-00-53620-000-000		Refuse and Garbage Services	75.00
		BULKY ITEMS PICKUP N9584 DIAMOND CT U30000120798	
100-00-53620-000-000		Refuse and Garbage Services	0.00
		SPRING YARD PICKUP N/A	
100-00-53620-000-000		Refuse and Garbage Services	50.00
		BULKY ITEM PICK UP W7259 FIRELANE 2 U30000120798	
Total			56,092.65

14416 10/04/2023 HARRISON UTILITIES
ACCOUNT 000-2781-00

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NICOLET (INVESTORS) BANK VOH

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Check Nbr	Check Date	Payee	Amount
100-07-52200-500-023		Fire Station 70 - Water/Sewer	79.25
		ACCOUNT 000-2781-00	
Total			79.25
14417	10/04/2023	J & R SHOP SUPPLIES	
9321312			
100-09-53311-400-000		Hwy Dept - Supplies	727.00
		FROM 9/26/23 SUPPLIES 9321312	
Total			727.00
14418	10/04/2023	KAATS WATER CONDITIONING INC.	
		CHARGES THROUGH 9/26/23	
100-09-53311-400-000		Hwy Dept - Supplies	55.37
		CHARGES THROUGH 9/26/23	
Total			55.37
14419	10/04/2023	L & S TRUCK CENTER	
266100			
100-09-53311-600-600		Hwy Dept - Vehicle Maintenance	312.18
		FRM 9/28/23 KIT BRAKE LINNING, ROTOR ASY 266100	
Total			312.18
14420	10/04/2023	LANGE ENTERPRISES, INC	
85225			
100-09-53315-902-000		Hwy Dept - Signs	70.26
		FROM 9/27/23 RD NAME SIGNS 85225	
Total			70.26
14421	10/04/2023	MICHELS ROAD & STONE, INC.	
458611			
100-09-57330-000-000		Capital Outlay - Road Projects	1,736.62
		FRM 9/23/23 COTTONWOOD#3 3/4" DENSE BASE 458611	
Total			1,736.62
14422	10/04/2023	PATRICK & LISA ARENT	
		BLDG/GRADE ESCROW RTN N9305 DUSTY DR	
100-00-21060-000-000		Building Escrows Payable	1,500.00
		ESCROW RETURN N9305 DUSTY DR	
100-00-21060-000-000		Building Escrows Payable	1,500.00
		GRADING ESCROW RETURN N9305 DUSTY DR	

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Check Nbr	Check Date	Payee	Amount
Total			3,000.00
14423	10/04/2023	POMP'S TIRE SERVICE INC. 320145032, 320145621	
100-09-53311-600-600		Hwy Dept - Vehicle Maintenance FRM 9/29/23 TRK DSMNT/MNT OUT ON VEH 320145032	1,438.38
100-09-53311-600-600		Hwy Dept - Vehicle Maintenance FRM 9/29/23 TRK DSMNT/MNT OUT ON VEH 320145621	1,438.38
Total			2,876.76
14424	10/04/2023	PRECISION CUT CONSTRUCTION LLC ESCROW RETURN W5953 WOODLAND RD	
100-00-21060-000-000		Building Escrows Payable ESCROW RETURN W5953 WOODLAND RD	1,500.00
Total			1,500.00
14425	10/04/2023	SCHMIDT BROS CUSTOM HOMES INC ESCROW RETURN W5563 TONYS WAY	
100-00-21060-000-000		Building Escrows Payable ESCROW RETURN W5563 TONYS WAY	1,500.00
Total			1,500.00
14426	10/04/2023	SCHMIDT BROS CUSTOM HOMES INC GRADING ESCROW RETURN W5565 GREY DR	
100-00-21060-000-000		Building Escrows Payable GRADING ESCROW RETURN W5565 GREY DR	1,500.00
Total			1,500.00
14427	10/04/2023	SERVICEMASTER BUILDING MAINTENANCE 43637	
100-02-51400-400-006		Gen. Admin - Service Contracts FROM 10/1/23 JANITORIAL SEPT 43637	1,031.00
Total			1,031.00
14428	10/04/2023	SILVERTREE HOMES LLC ESCROW RETURN W5547 GREY DR	
100-00-21060-000-000		Building Escrows Payable ESCROW RETURN W5547 GREY DR	1,500.00
Total			1,500.00

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Check Nbr	Check Date	Payee	Amount
14429	10/04/2023	SPEEDY CLEAN	
80821			
100-09-53311-901-000		Hwy Dept - Ditching/Grading	630.00
		FROM 9/15/23 CULVERT PIPE DUBLIN PASS 80821	
		Total	630.00
14430	10/04/2023	STEVE LITTLE	
		REIMBURSE FOR BOOTS	
100-08-52300-000-000		1st Responders - Operating Exp	214.18
		REIMBURSE FOR BOOTS	
		Total	214.18
14431	10/04/2023	T-MOBILE	
		FROM 8/21/23-9/20/23 FIRE	
100-07-52200-500-022		Fire Station 70 - Telephone	25.37
		FROM 8/21/23-9/20/23 FIRE	
		Total	25.37
14432	10/04/2023	T-MOBILE	
		FROM 8/21/23-9/20/23 HWY DEPT	
100-09-53311-500-022		Hwy Dept - Telephone	201.52
		FROM 8/21/23-9/20/23 HWY DEPT	
100-00-51600-500-022		Municipal Bldg - Telephone	176.33
		FROM 8/21/23-9/20/23 OFFICE	
		Total	377.85
14433	10/04/2023	THEDACARE AT WORK	
		344453, 345160	
100-06-52200-401-000		Fire Dept - Physicals	173.00
		CLINIC INGECTION & CLINIC HEPATITIS 345160	
100-06-52200-401-000		Fire Dept - Physicals	557.00
		PHYSICALS FOR M. TITEL 345160	
100-06-52200-401-000		Fire Dept - Physicals	30.00
		CLINIC TB D. TRAHAN 344453	
		Total	760.00
14434	10/04/2023	TIMOTHY VOSTERS	
		GRADING ESCROW RETURN N8375 FIRELANE 12	
100-00-21060-000-000		Building Escrows Payable	1,500.00
		GRADING ESCROW RETURN N8375 FIRELANE 12	

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Check Nbr	Check Date	Payee	Amount
Total			1,500.00
<hr/>			
14435	10/04/2023	TOM MC HUGH CONSTRUCTION LLC 9924TOUCHDOWN,9223LAURA,9036PAPERMAKER	
100-00-21060-000-000		Building Escrows Payable ESCROW RETURN N9224 TOUCHDOWN DR	1,500.00
100-00-21060-000-000		Building Escrows Payable ESCROW RETURN N9223 LAURA CT	1,500.00
100-00-21060-000-000		Building Escrows Payable ESCROW RETURN N9036 PAPERMAKER PASS	1,500.00
Total			4,500.00
<hr/>			
14436	10/04/2023	TRI CITY GLASS INC I03-0927-23546	
100-09-53311-600-600		Hwy Dept - Vehicle Maintenance FRM 9/27/23 TINI,PRIMER,INSTAL,CHG/LABOR I03-0927-23546	331.30
Total			331.30
<hr/>			
14437	10/04/2023	TRUCK EQUIPMENT INC 1069315-00, 1069438-00	
100-09-53311-600-600		Hwy Dept - Vehicle Maintenance FROM 9/26/23 DROPLEG JACK 12K SW SIDEPIN 1069315-00	344.64
100-09-53311-600-600		Hwy Dept - Vehicle Maintenance FROM 9/26/23 SPINNERMOTOR 1069438-00	670.18
Total			1,014.82
<hr/>			
14439	10/11/2023	AARON OR TRACI SHAW GRADING ESCROW RETURN N9335 DUSTY DR	
100-00-21060-000-000		Building Escrows Payable GRADING ESCROW RETURN N9335 DUSTY DR	1,500.00
Total			1,500.00
<hr/>			
14440	10/11/2023	BRADLY RETZLAFF REPL STALE CKS 2577, 25755,4897,3838	
100-00-11101-000-000		Tax Checking 1753-Clsd 12-5-22 REPL STALE CK 2577 VOH TAX OLD	30.69
100-00-11100-000-000		SHARE OF CHECKING-General REPL STALE CK 25755 TOWN	43.78
100-00-11100-000-000		SHARE OF CHECKING-General REPL STALE CK 4897 VOH 300	165.74

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Check Nbr	Check Date	Payee	Amount
100-00-11100-000-000		SHARE OF CHECKING-General REPL STALE CK3838 VOH 300	138.76
Total			378.97

14440 10/11/2023 BRADLY RETZLAFF
REPLACE 4 STALE CHECKS TOWN,OLD TAX,VOH Manual Check

100-00-11101-000-000		Tax Checking 1753-Clsd 12-5-22 REPL STALE CK 2577 VOH TAX OLD	-30.69
100-00-11100-000-000		SHARE OF CHECKING-General REPL STALE CK 25755 TOWN	-43.78
100-00-11100-000-000		SHARE OF CHECKING-General REPL STALE CK 4897 VOH 300	-165.74
100-00-11100-000-000		SHARE OF CHECKING-General REPL STALE CK3838 VOH 300	-138.76
Total			-378.97

14440 10/11/2023 BRADLY RETZLAFF
REPLACE 4 STALE CHECKS TOWN,OLD TAX,VOH Manual Check

100-00-11100-000-000		SHARE OF CHECKING-General REPL STALE CK 2577 VOH TAX OLD	30.69
100-00-11100-000-000		SHARE OF CHECKING-General REPL STALE CK 25755 TOWN	43.78
100-00-11100-000-000		SHARE OF CHECKING-General REPL STALE CK 4897 VOH 300	165.74
100-00-11100-000-000		SHARE OF CHECKING-General REPL STALE CK3838 VOH 300	138.76
Total			378.97

14441 10/11/2023 BRUCE LECKEY
GRADING ESCROW RETURN N8727 CONNOR CIR

100-00-21060-000-000		Building Escrows Payable GRADING ESCROW RETURN N8727 CONNOR CIR	1,500.00
Total			1,500.00

14442 10/11/2023 CORPORATE NETWORK SOLUTIONS, INC
74461, 74517

100-02-51400-400-000		Gen. Admin - Supplies HDMI VGA ADAPTER CONVERTER 4K 74461	18.00
100-02-51400-400-006		Gen. Admin - Service Contracts SUPPORT BLOCK 74517	2,065.00

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Check Nbr	Check Date	Payee	Amount
Total			2,083.00
<hr/>			
14443	10/11/2023	CYPRESS HOMES INC GRADING ESCRWW RETURN 6 PROPERTIES	
100-00-21060-000-000		Building Escrows Payable GRADING ESCROW RETURN N9321 DUSTY DR	1,500.00
100-00-21060-000-000		Building Escrows Payable GRADING ESCROW RETURN N9312 DUSTY DR	1,500.00
100-00-21060-000-000		Building Escrows Payable GRADING ESCROW N9320 DUSTY DR	1,500.00
100-00-21060-000-000		Building Escrows Payable GRADING ESCROW RETURN W5567 SCHREIBER LN	1,500.00
100-00-21060-000-000		Building Escrows Payable GRADING ESCROW RETURN W5529 HOELZEL WAY	1,500.00
100-00-21060-000-000		Building Escrows Payable GRADING ESCROW RETURN W5523 SCHREIBER	1,500.00
Total			9,000.00
<hr/>			
14444	10/11/2023	CYPRESS HOMES INC GRADING ESCROW RETURN 4 PROPERTIES	
100-00-21060-000-000		Building Escrows Payable GRADING ESCROW RETURN N8823 NOE RD	1,500.00
100-00-21060-000-000		Building Escrows Payable GRADING ESCROW RETURN N8851 NOE RD	1,500.00
100-00-21060-000-000		Building Escrows Payable GRADING ESCROW N98861 NOE RD	1,500.00
100-00-21060-000-000		Building Escrows Payable GRADING ESCROW RETURN N8733 CONNER CIR	1,500.00
Total			6,000.00
<hr/>			
14445	10/11/2023	GORDON FLESCH CO. INC IN14393310	
100-02-51400-400-006		Gen. Admin - Service Contracts BILL PERIOD 8/29-9/27/23 IMAGES IN14393310	281.84
Total			281.84
<hr/>			
14446	10/11/2023	MEGHAN WINKLER REIMB MILEAGE WMCA CONF/ BANK	
100-02-51400-305-000		Gen. Admin - Training/Conf. REIMB MILEAGE WMCA CONF HILTON/WAUSHARA	113.18

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Check Nbr	Check Date	Payee	Amount
100-02-51400-305-000		Gen. Admin - Training/Conf. REIMB MIEAGE DROP OFF BANK DEPOSIT	3.93
100-02-51400-305-000		Gen. Admin - Training/Conf. PARKING FOR CONFERENCE	18.00
Total			135.11
<hr/>			
14447	10/11/2023	N.E.W. PRINTING 159969	
100-02-51400-400-000		Gen. Admin - Supplies C. PELISHEK BUSINESS CARDS FROM 10/3/23 159969	58.02
Total			58.02
<hr/>			
14448	10/11/2023	NASECA - WISCONSIN 23WINTER COMPLIANCE TRAINING K.GREZINSKI	
100-09-53311-305-000		Hwy Dept - Training Expenses 23WINTER COMPLIANCE TRAINING K.GREZINSKI	329.00
Total			329.00
<hr/>			
14449	10/11/2023	PRECISION CUT CONSTRUCTION LLC GRADING ESCROW RETURN N8806 CONNOR CIR	
100-00-21060-000-000		Building Escrows Payable GRADING ESCROW RETURN N8806 CONNOR CIR	1,500.00
Total			1,500.00
<hr/>			
14450	10/11/2023	SCHMIDT BROS CUSTOM HOMES INC GRADING ESCROW RETRN N9247, N9222 LAURA	
100-00-21060-000-000		Building Escrows Payable GRADING ESCROW RETURN N9222 LAURA ST	1,500.00
100-00-21060-000-000		Building Escrows Payable GRADING ESCROW RETURN N9247 LAURA ST	1,500.00
Total			3,000.00
<hr/>			
14451	10/11/2023	SHERWOOD WATER & SEWER ACCOUNT NUMBER 000-3055-00 STATION 60	
100-06-52200-500-023		Fire Station 60 - Water/Sewer ACCOUNT NUMBER 000-3055-00 STATION 60	221.55
100-06-52200-500-023		Fire Station 60 - Water/Sewer ACCOUNT NUMBER 000-3050-00 TOWN	62.10
Total			283.65

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Check Nbr	Check Date	Payee	Amount
14452	10/11/2023	SPENCER HOMES LLC GRADING ESCROW RETURN W5718 HOELZEL	
100-00-21060-000-000		Building Escrows Payable GRADING ESCROW RETURN W5718 HOELZEL	1,500.00
Total			1,500.00
14453	10/11/2023	WI DEPT OF JUSTICE ACNTG2028 9/1 - 9/30 3 BARTENDER	
100-02-51400-400-000		Gen. Admin - Supplies ACNTG2028 9/1 - 9/30 3 BARTENDER	21.00
100-06-52200-400-000		Fire Dept - Supplies/Services ACNTG2028 9/1 - 9/30 1 FIRE DEPT	14.00
100-02-51400-400-000		Gen. Admin - Supplies ACNTG2028 9/1-9/30 1 PERSONNEL	7.00
Total			42.00
14454	10/18/2023	BATTERIES PLUS BULBS #508 P66578428	
100-06-52200-400-000		Fire Dept - Supplies/Services BATTERIES FROM 10/11/23 P66578428	125.16
Total			125.16
14455	10/18/2023	BEAR GRAPHICS INC 925269	
100-00-51440-400-000		Elections - Supplies FRM9/28/23 MILITARY BALLOTS,SPECIAL VOTE 925269	68.01
Total			68.01
14456	10/18/2023	BENJAMIN OR KRISTIN DUFFY GRADING ESCROW RETURN W5529 GREY DR	
100-00-21060-000-000		Building Escrows Payable GRADING ESCROW RETURN W5529 GREY DR	1,500.00
Total			1,500.00
14457	10/18/2023	BIRSCHBACH INSPECTION SERVICE INC BUILDING INSPECTIONS FOR SEPTEMBER 2023	
100-00-52400-000-000		Building Inspector - Contract BUILDING INSPECTIONS FOR SEPTEMBER 2023	9,406.00
Total			9,406.00

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14458 IG52304	10/18/2023	BOBCAT PLUS	
100-09-53311-700-000		Hwy Dept - Equip Maintenance	111.65
	FROM 10/3/23	IG52304	
Total			111.65
14459	10/18/2023	CALMES & ROHM CONSTRUCTION LLC ESCROW RETURN W5448 MIELKE RD	
100-00-21060-000-000		Building Escrows Payable	1,500.00
		ESCROW RETURN W5448 MIELKE RD	
Total			1,500.00
14460	10/18/2023	CALMES VERKUILEN CONSTRUCTION ESCROW RETURN N9260 CASSANDRA WAY	
100-00-21060-000-000		Building Escrows Payable	1,500.00
		ESCROW RETURN N9260 CASSANDRA WAY	
Total			1,500.00
14461	10/18/2023	CESA 10 2002400108	
100-02-51400-400-006		Gen. Admin - Service Contracts	1,500.00
		MSDS ONLINE HEALTH & SAFETY 2023-24 2002400108	
Total			1,500.00
14462	10/18/2023	CHARTER COMMUNICATIONS- 31663 0031663100823	
100-02-51400-400-006		Gen. Admin - Service Contracts	439.91
		ACC 8348104270031663 SERVICE 10/8-11/7 31663100823	
Total			439.91
14463	10/18/2023	CORPORATE NETWORK SOLUTIONS, INC 74563	
100-02-51400-400-000		Gen. Admin - Supplies	1,295.00
		MICROSOFT SURFACE 8,KEYBRD,CASE-CODE ENF 74563	
Total			1,295.00
14464	10/18/2023	DOG WASTE DEPOT 574463	
100-00-55200-000-000		Parks - Maint. and Utilities	709.95
		FROM 10/5/23 5 CASE DOG WASTE BAGS 574463	

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Check Nbr	Check Date	Payee	Amount
Total			709.95
14465	10/18/2023	FARRELL EQUIPMENT & SUPPLY CO 85181	
100-09-53311-400-000		Hwy Dept - Supplies FROM 10/10/23 SCREW BOLT, MORTAR HOE 85181	147.88
Total			147.88
14466	10/18/2023	GFC LEASING - WI I00863776	
100-02-51400-400-006		Gen. Admin - Service Contracts COVERAGE PERIOD 11/05/23 -12/04/23 I00863776	274.96
Total			274.96
14467	10/18/2023	GOLD CROSS AMBULANCE SERVICE 8118	
100-08-52300-000-000		1st Responders - Operating Exp FROM 10/10/23 MEDICAL SUPPLY-ALBUTEROL 8118	80.00
Total			80.00
14468	10/18/2023	GREEN BAY HIGHWAY PRODUCTS 43718	
100-09-53311-901-000		Hwy Dept - Ditching/Grading FRM9/28/23 18" END SECTION 43718	864.00
Total			864.00
14469	10/18/2023	JACOBS DESIGN HOMES ESCROW RETURN N9281 TOUCHDOWN DR	
100-00-21060-000-000		Building Escrows Payable ESCROW RETURN N9281 TOUCHDOWN DR	1,500.00
Total			1,500.00
14470	10/18/2023	KIMBALL MIDWEST 101483108	
100-09-53311-400-000		Hwy Dept - Supplies FROM 9/27/23 CLEANER 101483108	167.88
Total			167.88
14471	10/18/2023	LANGE ENTERPRISES, INC 85248	

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Check Nbr	Check Date	Payee	Amount
100-09-53315-902-000		Hwy Dept - Signs	549.23
	FROM 9/29/23	30" STOP 3M HIP	85248
			Total 549.23
14472	10/18/2023	LISOWE OIL DIV OF ADVANCED FUEL SERV 30510	
100-09-53311-600-030		Hwy Dept - Fuel	2,462.83
	FROM 10/02/2023		30510
			Total 2,462.83
14473	10/18/2023	MGD INDUSTRIAL CORPORATION 219479	
100-09-53311-400-000		Hwy Dept - Supplies	575.24
	FROM 10/2/23	SUPPLIES	219479
			Total 575.24
14474	10/18/2023	NONEMACHER BUILDERS LLC ESCROW RETURN W5671 VANS RD	
100-00-21060-000-000		Building Escrows Payable	1,500.00
		ESCROW RETURN W5671 VANS RD	
			Total 1,500.00
14475	10/18/2023	NORTHEAST ASPHALT INC H0006-09-22-00223 2022 ASPHALT CERT 6	
100-09-57330-000-000		Capital Outlay - Road Projects	83,334.15
		CERT PAY 6 2022 ASPHALT RESURFACING	H0006-09-22-00223
			Total 83,334.15
14476	10/18/2023	NUTRITION SERVICE COMPANY 135024	
100-00-55200-000-000		Parks - Maint. and Utilities	74.99
	FROM 9/7/23	GENERIC ROUNDUP	135024
			Total 74.99
14477	10/18/2023	PITNEY BOWES BANK INC RESERVE ACCOUNT ADDING MONEY POSTAGE ACCOUNT 15025158	
100-02-51400-400-005		Gen. Admin - Postage	500.00
		ADDING MONEY POSTAGE ACCOUNT 15025158	
			Total 500.00

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NICOLET (INVESTORS) BANK VOH

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Check Nbr	Check Date	Payee	Amount
14478	10/18/2023	POTTER BUILDING SUPPLY 4756	
100-00-55200-000-000		Parks - Maint. and Utilities FROM 10/4/23 2X12-12' SEL STRUCT DOUG 4756	348.00
Total			348.00
14479	10/18/2023	POWERHOUSE ENTERPRISES LLC ESCROW RETURN N9255 LAURA ST	
100-00-21060-000-000		Building Escrows Payable ESCROW RETURN N9255 LAURA ST	1,500.00
Total			1,500.00
14480	10/18/2023	RUCON CONSTRUCTION INC ESCROW RETURN W5681 VANS RD	
100-00-21060-000-000		Building Escrows Payable ESCROW RETURN W5681 VANS RD	1,500.00
Total			1,500.00
14481	10/18/2023	SCOTT CONSTRUCTION INC H0006-09-23-00267 2023 CHIP SEAL FINAL	
100-09-57330-000-000		Capital Outlay - Road Projects CHIP SEAL MANITOWOC RD CERT PAY 1 FINAL H0006-09-23-00267	141,350.00
100-09-57330-000-000		Capital Outlay - Road Projects CHIP SEAL SCHMIDT RD CERT PAY 1 FINAL H0006-09-23-00267	102,286.00
Total			243,636.00
14482	10/18/2023	SCOTT LAMERS CONSTRUCTION, LLC 5479	
230-00-53441-300-000		Storm Catch Basin Program FRM10/3/23 CUT CRETE, CATCH BASINS 5479	14,371.94
Total			14,371.94
14483	10/18/2023	SHERWIN INDUSTRIES, INC SS100179	
100-09-53311-900-000		Hwy Dept - Road Maintenance FROM 10/2/23 PATCHER II MACHINE RENTAL SS100179	1,740.00
Total			1,740.00
14484	10/18/2023	SMT MANUFACTURING & SUPPLY LLC 79045-IN	

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NICOLET (INVESTORS) BANK VOH

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Thru: 10/31/2023 Thru Account:

Check Nbr	Check Date	Payee	Amount
100-09-53311-700-000		Hwy Dept - Equip Maintenance	61.44
	FROM 10/9/23	XEP 50" LONG 79045-IN	
Total			61.44

14485 10/18/2023 THUNDER ROAD LLC
H0006-09-23-00266 2023 CRACK SEAL FINAL

100-09-53311-900-000		Hwy Dept - Road Maintenance	83,117.00
		CERTPAY 4 FINAL 2023 CRACK SEAL MISC RD H0006-09-23-00266	
100-09-53311-900-000		Hwy Dept - Road Maintenance	41,422.50
		CERTPAY4 FINAL 2023 CRACK SEAL ADDTL LBS H0006-09-23-00266	
100-09-57330-000-000		Capital Outlay - Road Projects	35,800.00
		CERT4 FINAL 23 CRACKSEAL ADD HARRISON RD H0006-09-23-00266	
100-09-57330-000-000		Capital Outlay - Road Projects	1,990.00
		CERT4 FINAL 23 CRACKSEAL RETAINAGE MANIT H0006-09-23-00266	
100-09-53311-900-000		Hwy Dept - Road Maintenance	2,648.70
		CERT4 FINAL 23 CRACKSEAL RETAINAGE MISC H0006-09-23-00266	
100-09-53311-900-000		Hwy Dept - Road Maintenance	3,195.45
		CERT4 FINAL 23 CRACKSEAL RETAINAGE MISC H0006-09-23-00266	
Total			168,173.65

14486 10/18/2023 TOM MC HUGH CONSTRUCTION LLC
ESCROWS N9248,N9272,N9257 TOUCHDOWN

100-00-21060-000-000		Building Escrows Payable	1,500.00
		ESCROW RETURN N9248 TOUCHDOWN DR	
100-00-21060-000-000		Building Escrows Payable	1,500.00
		ESCROW RETURN N9272 TOUCHDOWN DR	
100-00-21060-000-000		Building Escrows Payable	1,500.00
		ESCROW RETURN N9257 TOUCHDOWN DR	
Total			4,500.00

14487 10/18/2023 ULINE
169118746

100-00-55200-000-000		Parks - Maint. and Utilities	1,404.77
	FROM 10/2/23	55 GAL STEEL DRUM 169118746	
Total			1,404.77

14488 10/18/2023 W.S. DARLEY & CO
17510250

100-06-52200-400-000		Fire Dept - Supplies/Services	51.80
	FROM 10/10/23	TAPE-FIRE LINE DO NOT CROS 17510250	

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NICOLET (INVESTORS) BANK VOH

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Check Nbr	Check Date	Payee	Amount
Total			51.80
<hr/>			
14489	10/18/2023	WIL-KIL PEST CONTROL 4750955, 4751177, 4751178	
100-02-51400-400-006		Gen. Admin - Service Contracts FIRE STATION 60 4751177	52.70
100-02-51400-400-006		Gen. Admin - Service Contracts FIRE STATION 70 4751178	52.70
100-02-51400-400-006		Gen. Admin - Service Contracts EXTERIOR INSECT FIRE STATION #60 NA	0.00
100-02-51400-400-006		Gen. Admin - Service Contracts EXTERIOR INSECT FIRE STATION 70 NA	0.00
100-02-51400-400-006		Gen. Admin - Service Contracts POWER SPRAY - VILLAGE HALL NA	0.00
100-02-51400-400-006		Gen. Admin - Service Contracts VILLAGE HALL 4750955	91.66
Total			197.06
<hr/>			
14490	10/25/2023	ACCURATE FULL SERVICE VEHICLE CENTER 2313418	
100-09-53311-600-600		Hwy Dept - Vehicle Maintenance FROM 10/16 17 FORD F350 FRONTEND REPAIR 2313418	1,986.49
Total			1,986.49
<hr/>			
14491	10/25/2023	AUTOMOTIVE SUPPLY- APPLETON 12086444	
100-09-53311-400-000		Hwy Dept - Supplies FROM 10/16/23 WAX PLUS, WAX WAND KIT 12086444	193.97
Total			193.97
<hr/>			
14492	10/25/2023	BRENDON HARTJES REIMBURSE FOR WATER/SODA/GATORADE 10/14	
100-06-52200-400-000		Fire Dept - Supplies/Services REIMBURSE FOR WATER/SODA/GATORADE 10/14	163.64
Total			163.64
<hr/>			
14493	10/25/2023	ELAN FINANCIAL SERVICES CLOSING DATE 10/10/23	
100-09-53311-400-000		Hwy Dept - Supplies FROM 10/3/23 ADOBE ACROBAT PRO CODE ENF	20.99

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Check Nbr	Check Date	Payee	Amount
100-06-52200-400-000		Fire Dept - Supplies/Services FROM 9/12/23 FESTIVAL RETURN POSTAGE	6.30
100-06-52200-600-000		Fire Dept - Vehicle Maint. FROM 9/12/23 N&M AUTO BULBS	13.58
100-08-52300-000-000		1st Responders - Operating Exp FROM 9/14 AMAZON HELMET,TOURNIQUET,RESP	1,399.33
100-06-52200-400-000		Fire Dept - Supplies/Services FROM 9/15/23 FESTIVAL SODA	17.91
100-08-52300-000-000		1st Responders - Operating Exp FROM 9/18/23 AMAZON TRAUMA SHEARS	17.96
100-08-52300-000-000		1st Responders - Operating Exp FROM 9/20/23 AMAZON SAFETY HELMETS	175.90
100-08-52300-000-000		1st Responders - Operating Exp FROM 9/20/23 STAPLES LABEL MAKER TAPE	42.78
100-06-52200-400-000		Fire Dept - Supplies/Services FROM 9/20/23 AMAZON PHONE MOUNT/HOLDER	52.11
100-06-52200-400-000		Fire Dept - Supplies/Services FROM 9/26/23 UPS STORE POSTAGE	12.98
100-06-52200-400-000		Fire Dept - Supplies/Services FROM 9/27/23 HOME DEPOT HOSE PARTS	10.12
100-06-52200-400-000		Fire Dept - Supplies/Services FRM 10/4 OFFICEDEPOT WIRELESS MOUSE/KEYB	56.26
100-06-52200-400-000		Fire Dept - Supplies/Services FROM 10/6/23 OFFICEMAX 3 DRAWER FILE CAB	104.49
100-02-51400-400-000		Gen. Admin - Supplies FROM 9/11/23 ALDI KITCHEN SUPPLIES	14.70
100-02-51400-400-000		Gen. Admin - Supplies FROM 9/23 ADOBE ACROBAT PRO OFFICE COMP	20.99
100-02-51400-400-000		Gen. Admin - Supplies FROM 9/24/23 STAPLES PENS, WALL FILE	30.89
100-02-51400-400-000		Gen. Admin - Supplies FRM 9/29 STAPLES BUSCARD HOLDER,FILE ORG	31.00
100-02-51400-400-000		Gen. Admin - Supplies FROM 10/1/23 AMAZON TONER CARTRIDGE-RTND	59.99
100-02-51400-400-000		Gen. Admin - Supplies FROM 10/4/23 AMAZON TONER CARTRIDGE	76.98
405-00-51500-000-000		Professional Services-TID #5 FROM 10/4/23 SURVEYMONKEY ANNUAL PLAN	468.00

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Check Nbr	Check Date	Payee	Amount
100-02-51400-400-000		Gen. Admin - Supplies	25.84
		FROM 10/8/23 STAPLES POSTCARDS	
100-02-51400-305-000		Gen. Admin - Training/Conf.	290.00
		FRM 9/22/23 LEAGUE OF WI MUNI CONFERENCE	
100-00-51980-000-000		Memorial Expenses	66.45
		FRM 10/6 ROBINSON FLORIST VTESSEN PLANT	
Total			3,015.55

14494 10/25/2023 GANNETT WISCONSIN LOCALiQ
5875659

100-01-51101-800-000		Planning - Publications	72.71
		BILL PERIOD 9/1-9/30 NOTICE MTG PLAN COM 5875659	
Total			72.71

14495 10/25/2023 GRUETT'S
92606P

100-09-53311-700-000		Hwy Dept - Equip Maintenance	70.30
		FROM 9/27/23 STEEL ANGLE IRON 92606P	
Total			70.30

14496 10/25/2023 JARRED GERL
REIMBURSE FOR FOOD 10/16/23

100-06-52200-400-000		Fire Dept - Supplies/Services	125.49
		REIMBURSE FOR FOOD 10/16/23	
Total			125.49

14497 10/25/2023 L & S TRUCK CENTER
266157

100-09-53311-600-600		Hwy Dept - Vehicle Maintenance	370.10
		FROM 10/6/23 TRUCK 14 - PIPE 266157	
Total			370.10

14498 10/25/2023 LINCOLN CONTRACTORS SUPPLY, INC
R19039

201-00-57220-000-000		Capital Outlay - Park Impact	242.24
		FROM 9/5/23 TRENCH FOR EQUIP AT FARMERS R19039	
Total			242.24

14499 10/25/2023 LISOWE OIL DIV OF ADVANCED FUEL SERV
30647

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Check Nbr	Check Date	Payee	Amount
100-09-53311-600-030		Hwy Dept - Fuel	3,007.90
	FROM 10/17/2023	30647	
Total			3,007.90

14500 10/25/2023 MENARDS-APPLETON EAST
45376, 45676, 45785, 46029, 46103, 46148

100-09-53311-400-000		Hwy Dept - Supplies	16.67
	FROM 9/27/23	STACK BINS 45376	
100-09-53311-400-000		Hwy Dept - Supplies	141.92
	FROM 10/3/23	LEVEL, DRILL BIT 45676	
100-09-53311-400-000		Hwy Dept - Supplies	201.57
	FROM 10/5/23	FLEX SEAL, ELASTOMERIC 45785	
100-09-53311-400-000		Hwy Dept - Supplies	26.19
	FROM 10/10/23	BROOM, WIPES, FRESHENER 46029	
100-09-53311-400-000		Hwy Dept - Supplies	87.42
	FROM 10/11/23	WASHER FLUID, ANTIFREEZE 46103	
100-00-55200-000-000		Parks - Maint. and Utilities	101.94
	FROM 10/12/23	WASHER FLUID, ANTIFREEZE 46148	
100-09-53311-400-000		Hwy Dept - Supplies	9.96
	FROM 10/12/23	WINDSHIELD WASH 46148	
Total			585.67

14501 10/25/2023 MGD INDUSTRIAL CORPORATION
219893

100-09-53311-400-000		Hwy Dept - Supplies	182.61
	FROM 10/16/23	GRAY PRIMER, HOSE CLAMPS 219893	
Total			182.61

14502 10/25/2023 MIDWEST WORKWEAR
SI-109921, SI-110024, SI-110372

100-09-53311-400-000		Hwy Dept - Supplies	211.68
	FROM 9/22/23	APPAREL B WELHOUSE SI-109921	
100-09-53311-400-000		Hwy Dept - Supplies	140.19
	FROM 9/26/23	APPAREL J WISNET SI-110024	
100-09-53311-400-000		Hwy Dept - Supplies	367.54
	FROM 10/9/23	APPAREL T BORNEMANN SI-110372	
Total			719.41

14503 10/25/2023 MOUNTAIN BAY SCUBA
121, 126

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Check Nbr	Check Date	Payee	Amount
100-06-52200-400-000		Fire Dept - Supplies/Services FROM 7/7/23 PARTS, RETRACTOR, REGUL SERV 121	324.90
100-06-52200-700-000		Fire Dept - Equip Maintenance FRM 9/14/23 FULL FACE MASK SERVICE W/REG 126	314.50
Total			639.40
<hr/>			
14504	10/25/2023	PATRICK KLEIN REIMBURSE FOR CANDY 10/18/23	
100-06-52200-400-000		Fire Dept - Supplies/Services REIMBURSE FOR CANDY 10/18/23	250.76
Total			250.76
<hr/>			
14505	10/25/2023	R.T. DITTER'S TIRE & REPAIR LLC 55084	
100-09-53311-700-000		Hwy Dept - Equip Maintenance FROM 10/13/23 CULVERT TRAILER TIRES 55084	130.25
Total			130.25
<hr/>			
14506	10/25/2023	S & A SEPTIC SERVICES 551, 554, 557, 587	
100-09-53311-505-000		Hwy Dept - Building Maint PUMP HOLDING TANK 9/23/23 551	130.00
100-09-53311-505-000		Hwy Dept - Building Maint PUMP HOLDING TANKS 10/3/23 554	260.00
100-09-53311-505-000		Hwy Dept - Building Maint PUMP HOLDING TANK 10/10/23 557	130.00
100-09-53311-505-000		Hwy Dept - Building Maint PUMP HOLDING TANKS 10/17/23 587	260.00
Total			780.00
<hr/>			
14507	10/25/2023	SUBURBAN WILDLIFE SOLUTIONS LLC 7160	
230-00-53441-000-000		Storm Sewer Maint / Ponds PONDS LAST 1/4 WORK DONE DATED 10/17/23 7160	6,572.37
Total			6,572.37
<hr/>			
14508	10/25/2023	SUPERIOR VISION INSURANCE 774771	
100-02-51400-200-000		Gen. Admin - Benefits OFFICE VISION INSURANCE NOV 23 774771	139.20

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Check Nbr	Check Date	Payee	Amount
100-09-53311-200-000		Hwy Dept - Benefits	109.15
		SHOP VISION INSURANCE NOV 23 774771	
100-01-51101-200-000		Planning - Benefits	0.00
		PLANNER VISION INSURANCE NOV 23 774771	
100-00-14500-000-000		Due from Special Purpose Dist.	88.03
		UTILITIES VISION INSURANCE NOV 23 774771	
Total			336.38
<hr/>			
	14509 10/25/2023	TASC	
	IN2883572		
100-02-51400-400-006		Gen. Admin - Service Contracts	37.43
		OCTOBER 2023 BILLING IN2883572	
Total			37.43
<hr/>			
	14510 10/25/2023	TECC SECURITY SYSTEMS INC	
	60034		
100-02-51400-400-006		Gen. Admin - Service Contracts	444.09
		FROM 10/19 ANNUAL TEST/INSPECTION 10/18 60034	
Total			444.09
<hr/>			
	14511 10/25/2023	THE UNIFORM SHOPPE OF GREEN BAY INC	
	338203		
100-08-52300-000-000		1st Responders - Operating Exp	92.95
		FROM 9/12/23 FLEECE JACKET-BRENT 338203	
Total			92.95
<hr/>			
	14512 10/25/2023	THEDACARE AT WORK	
	346132		
100-09-53311-306-000		Hwy Dept - CDL/Testing	81.00
		DS CRL DOT BUNDLED J WISNET 346132	
Total			81.00
<hr/>			
	14513 10/25/2023	TRUCK EQUIPMENT INC	
	1069579-00, 1070345-00		
100-09-53311-700-000		Hwy Dept - Equip Maintenance	1,018.26
		FROM 10/3/23 PRE-WET PUMP 1069579-00	
100-09-53311-600-600		Hwy Dept - Vehicle Maintenance	77.10
		FROM 10/3/23 EXTRA HD PIN 1070345-00	
Total			1,095.36

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Check Nbr	Check Date	Payee	Amount
			<hr/>
Grand Total			779,214.45

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NICOLET (INVESTORS) BANK VOH

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	Amount
Total Expenditure from Fund # 100 - GENERAL FUND	757,559.90
Total Expenditure from Fund # 201 - PARK IMPACT FEES	242.24
Total Expenditure from Fund # 230 - STORM WATER UTILITY FEES	20,944.31
Total Expenditure from Fund # 405 - TAX INCREMENTAL DISTRICT #5	468.00
Total Expenditure from all Funds	779,214.45

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UTILITIES EXPENSE COMM FIRST CU

Accounting Checks

Posted From: 10/01/2023 From Account:
Thru: 10/31/2023 Thru Account:

Check Nbr	Check Date	Payee	Amount
<hr/>			
EFT 34962449	10/03/2023	MARCO TECHNOLOGIES LLC - UTILITIES	Manual Check
610-00-57921-000-000		Office Supplies & Expenses	87.39
		Acct# 009-1758432-000 PRINTER/COPIER SEP 34962449	
620-00-57851-000-000		Office Supplies & Expenses	87.40
		Acct# 009-1758432-000 PRINTER/COPIER SEP 34962449	
		Total	174.79
<hr/>			
EFT ACCT#6035 3223 4060 1881 1 LS#4 CLAMPS	10/05/2023	THE HOME DEPOT - UTILITIES	Manual Check
620-00-57832-000-000		Maint Collection Syst Pumping	17.62
		ACCT#6035 3223 4060 1881 1 LS#4 CLAMPS	
		Total	17.62
<hr/>			
EFT 65125461550001	10/05/2023	KWIK TRIP - UTILITIES	Manual Check
610-00-57933-000-000		Transportation Expense	237.21
		ACCT# BG2251587 - FUEL 65125461550001	
620-00-57828-000-000		Transportation Expense	237.21
		ACCT# BG2251587 - FUEL 65125461550001	
610-00-57930-000-000		Miscellaneous General Expense	24.42
		ACCT# BG2251587 - FUEL 65125461550001	
620-00-57856-000-000		Miscellaneous General Expense	24.43
		ACCT# BG2251587 - FUEL 65125461550001	
		Total	523.27
<hr/>			
EFT 0705461764-00003 COA Mtr #2 - Electric	10/06/2023	WE ENERGIES - 00003	Manual Check
610-00-57641-000-000		Operation Supplies & Expenses	28.60
		0705461764-00003 COA Mtr #2 - Electric 10062023-00003	
		Total	28.60
<hr/>			
EFT 0705461764-00006 Fox Crsng Mtr - Elec	10/12/2023	WE ENERGIES - 00006	Manual Check
610-00-57641-000-000		Operation Supplies & Expenses	15.23
		0705461764-00006 Fox Crsng Mtr - Elec 10122023-00006	
		Total	15.23
<hr/>			
EFT FROM 9/8/23 F-150 BATTERY	10/10/2023	ADVANCE AUTO PARTS	Manual Check

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UTILITIES EXPENSE COMM FIRST CU

Accounting Checks

Posted From: 10/01/2023 From Account:
Thru: 10/31/2023 Thru Account:

Check Nbr	Check Date	Payee	Amount
610-00-57933-000-000		Transportation Expense	86.43
		FROM 9/8/23 F-150 BATTERY	6504325114853
620-00-57828-000-000		Transportation Expense	86.43
		FROM 9/8/23 F-150 BATTERY	6504325114853
Total			172.86

EFT 10/23/2023 RELIANCE STANDARD LIFE INSURANCE COMPANY
UTILITIES NOV 2023 LIFE & DISABILITY Manual Check

610-00-57926-000-000		Employee Pensions & Benefits	85.77
		UTILITIES NOV 2023 LIFE & DISABILITY	
620-00-57854-000-000		Employee Pensions & Benefits	85.78
		UTILITIES NOV 2023 LIFE & DISABILITY	
Total			171.55

EFT 10/31/2023 WI DEPT OF REVENUE
UNCLAIMED PROPERTY FILING PERIOD 6/30/23 Manual Check

610-00-21400-000-000		Connection Fees Refund	61,320.70
		UNCLAIMED PROPERTY FILING PERIOD 6/30/23	
Total			61,320.70

EFT 10/20/2023 WE ENERGIES - 00007
0705461764-00007 | LS#6 Electric & Gas Manual Check

620-00-57821-000-000		Fuel/Power Purchase - Pumping	79.01
		0705461764-00007 LS#6 Electric & Gas 10202023-00007	
Total			79.01

EFT 10/20/2023 WE ENERGIES - 00004
0705461764-00004 | LS#3 Electric Manual Check

620-00-57821-000-000		Fuel/Power Purchase - Pumping	74.65
		0705461764-00004 LS#3 Electric 10202023-00004	
Total			74.65

EFT 10/23/2023 WE ENERGIES - 00010
0705461764-00010 | LS#4 - Gas Manual Check

620-00-57821-000-000		Fuel/Power Purchase - Pumping	13.35
		0705461764-00010 LS#4 - Gas 10232023-00010	
Total			13.35

EFT 10/24/2023 WE ENERGIES - 00009
0705461764-00009 | HU Main - Electric Manual Check

Bills & Claims - Harrison Utilities

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ACCT

UTILITIES EXPENSE COMM FIRST CU

Accounting Checks

Posted From: 10/01/2023 From Account:
Thru: 10/31/2023 Thru Account:

Check Nbr	Check Date	Payee	Amount
610-00-57921-000-000		Office Supplies & Expenses	359.31
		0705461764-00009 HU Main - Electric 10242023-00009	
620-00-57851-000-000		Office Supplies & Expenses	359.32
		0705461764-00009 HU Main - Electric 10242023-00009	
Total			718.63

EFT 10/24/2023 WE ENERGIES - 00005
0705461764-00005 | HU Main - Gas Manual Check

610-00-57921-000-000		Office Supplies & Expenses	7.23
		0705461764-00005 HU Main - Gas 10242023-00005	
620-00-57851-000-000		Office Supplies & Expenses	7.24
		0705461764-00005 HU Main - Gas 10242023-00005	
Total			14.47

EFT 10/24/2023 WE ENERGIES - 00001
0705461764-00001 | LS#1 Electric & Gas Manual Check

620-00-57821-000-000		Fuel/Power Purchase - Pumping	239.99
		0705461764-00001 LS#1 Electric & Gas 102423-00001	
Total			239.99

EFT 10/24/2023 WE ENERGIES - 00002
0705461764-00002 | LS#2 Electric Manual Check

620-00-57821-000-000		Fuel/Power Purchase - Pumping	57.35
		0705461764-00002 LS#2 Electric 10242023-00002	
Total			57.35

EFT 10/25/2023 MENASHA UTILITIES
ACCT#3265946-00 | LS #4 Electric Manual Check

620-00-57821-000-000		Fuel/Power Purchase - Pumping	1,176.30
		ACCT#3265946-00 LS #4 Electric	
620-00-57827-000-000		Operation Supplies & Expenses	11.39
		ACCT#3265946-00 Storm Water Charge	
620-00-57827-000-000		Operation Supplies & Expenses	11.34
		ACCT33266037-00 ELEC PLANK RD-METER PIT	
610-00-57641-000-000		Operation Supplies & Expenses	18.31
		ACCT#3265998-00 COA WATER # ELECTRIC	
Total			1,217.34

EFT 10/27/2023 CHARTER COMMUNICATIONS - UTILITIES
Acct# 8348 10 427 0026135 Internet Manual Check

Bills & Claims - Harrison Utilities

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ACCT

UTILITIES EXPENSE COMM FIRST CU

Accounting Checks

Posted From: 10/01/2023 From Account:
Thru: 10/31/2023 Thru Account:

Check Nbr	Check Date	Payee	Amount
610-00-57921-000-000		Office Supplies & Expenses	64.99
	Acct# 8348 10 427 0026135	Internet 26135100823	
620-00-57851-000-000		Office Supplies & Expenses	65.00
	Acct# 8348 10 427 0026135	Internet 26135100823	
Total			129.99

EFT 10/31/2023 VERIZON WIRELESS - UTILITIES
SHARE OF EMERGENCY PHONE

Manual Check

610-00-57641-000-000		Operation Supplies & Expenses	17.21
	SHARE OF EMERGENCY PHONE	9946343802	
620-00-57827-000-000		Operation Supplies & Expenses	42.59
	LS6 DIALER & SHARE OF EMERGENCY PHONE	9946343802	
Total			59.80

EFT 10/24/2023 AT&T - UTILITIES
ACCT#920-380-0991 MTR STN #2 DIALER

Manual Check

610-00-57641-000-000		Operation Supplies & Expenses	16.48
	ACCT#920-380-0991 MTR STN #2 DIALER	920380099110-23	
620-00-57827-000-000		Operation Supplies & Expenses	37.26
	ACCT#920-380-0977 LS#3 DIALER	920380099110-23	
620-00-57827-000-000		Operation Supplies & Expenses	37.26
	ACCT#920-380-0982 LS#2 DIALER	920380099110-23	
620-00-57827-000-000		Operation Supplies & Expenses	37.26
	ACCT#920-380-0987 LS#1 DIALER	920380099110-23	
610-00-57641-000-000		Operation Supplies & Expenses	37.07
	ACCT#920-380-0992 MTR STN #1 DIALER	920380099110-23	
620-00-57827-000-000		Operation Supplies & Expenses	37.26
	ACCT#920-380-0996 LS#4 DIALER	920380099110-23	
Total			202.59

EFT 10/25/2023 COMMUNITY FIRST CU - VISA
8/31/23 Hurco Valve Turner Counter

Manual Check

610-00-57641-000-000		Operation Supplies & Expenses	115.11
	8/31/23 Hurco Valve Turner Counter		
610-00-57641-000-000		Operation Supplies & Expenses	322.19
	9/15/23 Amazon		
620-00-57827-000-000		Operation Supplies & Expenses	322.20
	9/15/23 Amazon		

Bills & Claims - Harrison Utilities

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ACCT

UTILITIES EXPENSE COMM FIRST CU

Accounting Checks

Posted From: 10/01/2023 From Account:
Thru: 10/31/2023 Thru Account:

Check Nbr	Check Date	Payee	Amount
610-00-57921-000-000	09/15/23	Office Supplies & Expenses Amazon	20.21
620-00-57851-000-000	9/15/23	Office Supplies & Expenses Amazon	20.22
620-00-57827-000-000	9/21/23	Operation Supplies & Expenses CVS	3.79
620-00-57832-000-000	9/25/23	Maint Collection Syst Pumping Ferguson	47.18
Total			850.90

10550 10/04/2023 BRUSH BOY CUSTOMS, LLC
9/27/23 Decal Lettering for F-150

610-00-57933-000-000	9/27/23	Transportation Expense Decal Lettering for F-150	82.50
		1924	
620-00-57828-000-000	9/27/23	Transportation Expense Decal Lettering for F-150	82.50
		1924	
Total			165.00

10551 10/04/2023 CRANE ENGINEERING SALES INC
9/26/23 LS4 Pressure Gauges

620-00-57832-000-000	9/26/23	Maint Collection Syst Pumping LS4 Pressure Gauges	534.00
		451734-00	
Total			534.00

10552 10/04/2023 DEWITT DEVELOPMENT LLC
Harrison Heights San. Sewer Oversizing

620-00-18313-000-000		Collecting Mains & Accessories Harrison Heights San. Sewer Oversizing	85,674.00
Total			85,674.00

10553 10/04/2023 FOX CROSSING UTILITIES
6/19/23-9/20/23 Water Base & Vol

610-00-57601-000-000	6/19/23-9/20/23	Purchased Water - COA / FC Water Base & Vol	678.40
Total			678.40

10554 10/04/2023 GFL ENVIRONMENTAL
U30000120798

610-00-57921-000-000		Office Supplies & Expenses COMMERCIAL TRASH DUMPSTER FOR SEPT	49.47
		U30000120798	

Bills & Claims - Harrison Utilities

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ACCT

UTILITIES EXPENSE COMM FIRST CU

Accounting Checks

Posted From: 10/01/2023 From Account:
Thru: 10/31/2023 Thru Account:

Check Nbr	Check Date	Payee	Amount
620-00-57851-000-000		Office Supplies & Expenses	49.47
		COMMERCIAL TRASH RECYCLING FOR SEPT U30000120798	
Total			98.94
<hr/>			
10555 10/04/2023 PMI FOX VALLEY			
CR BAL REF 001-4212-02; W6125 Wild Cher.			
610-00-46300-000-000		Public Fire Protection Service	0.91
		CR BAL REF 001-4212-02; W6125 Wild Cher.	
610-00-46101-000-000		Residential Metered Sales	1.99
		CR BAL REF 001-4212-02; W6125 Wild Cher.	
620-00-46221-000-000		Residential Measured Service	2.26
		CR BAL REF 001-4212-02; W6125 Wild Cher.	
Total			5.16
<hr/>			
10556 10/04/2023 SERVICEMASTER BUILDING MAINTENANCE			
10/1/23 - OCT 2023 Cleaning Service			
610-00-57935-000-000		Maintenance of General Plant	162.50
		10/1/23 - OCT 2023 Cleaning Service 43639	
620-00-57834-000-000		Maintenance of General Plant	162.50
		10/1/23 - OCT 2023 Cleaning Service 43639	
Total			325.00
<hr/>			
10557 10/04/2023 SPEEDY CLEAN			
9/26/23 Annual Sewer Jetting Program			
620-00-57831-000-000		Maintenance Sewage Collect Sys	19,049.79
		9/26/23 Annual Sewer Jetting Program 80925	
Total			19,049.79
<hr/>			
10558 10/04/2023 T-MOBILE			
FROM 8/21/23-9/20/23 UTILITIES PHONES			
610-00-57641-000-000		Operation Supplies & Expenses	37.78
		FROM 8/21/23-9/20/23 UTILITIES PHONES	
620-00-57827-000-000		Operation Supplies & Expenses	37.79
		FROM 8/21/23-9/20/23 UTILITIES PHONES	
610-00-57641-000-000		Operation Supplies & Expenses	44.10
		FROM 8/21/23-9/20/23 UTILITIES PADS	
620-00-57827-000-000		Operation Supplies & Expenses	44.10
		FROM 8/21/23-9/20/23 UTILITIES PADS	
Total			163.77

Bills & Claims - Harrison Utilities

UTILITIES EXPENSE COMM FIRST CU

Accounting Checks

Posted From: 10/01/2023 From Account:
Thru: 10/31/2023 Thru Account:

Check Nbr	Check Date	Payee	Amount
10559	10/04/2023	TIM'S BODY SHOP, INC	
	9/26/23	2023 F-150 Repairs from Accident	
610-00-57933-000-000		Transportation Expense	2,234.85
	9/26/23	2023 F-150 Repairs from Accident 84193	
620-00-57828-000-000		Transportation Expense	2,234.86
	9/26/23	2023 F-150 Repairs from Accident 84193	
		Total	4,469.71
10560	10/04/2023	US POSTAL SERVICE	
		PERMIT 68 FIRST CLASS PRESORT	
610-00-57921-000-000		Office Supplies & Expenses	2,500.00
		PERMIT 68 FIRST CLASS PRESORT	
620-00-57851-000-000		Office Supplies & Expenses	2,500.00
		PERMIT 68 FIRST CLASS PRESORT	
		Total	5,000.00
10561	10/04/2023	VILLAGE OF HARRISON	
	9/28/23	- Mastic Around Utility Services	
610-00-57651-000-000		Maintenance of Mains	533.00
	9/28/23	- Mastic Around Utility Services	
620-00-57831-000-000		Maintenance Sewage Collect Sys	533.00
	9/28/23	- Mastic Around Utility Services	
		Total	1,066.00
10562	10/11/2023	CORPORATE NETWORK SOLUTIONS, INC	
		74517	
610-00-57921-000-000		Office Supplies & Expenses	367.50
		SUPPORT BLOCK 74517	
620-00-57851-000-000		Office Supplies & Expenses	367.50
		SUPPORT BLOCK 74517	
		Total	735.00
10563	10/11/2023	PUBLIC SERVICE COMMISSION OF WISCONSIN	
		2023-2024 Advance Assessment (Net)	
610-00-57928-000-000		Regulatory Commission Expenses	1,245.51
		2023-2024 Advance Assessment (Net) RA24-I-06335	
		Total	1,245.51
10564	10/18/2023	CRANE ENGINEERING SALES INC	
	10/12/23	LS4 Wear Plates	

Bills & Claims - Harrison Utilities

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ACCT

UTILITIES EXPENSE COMM FIRST CU

Accounting Checks

Posted From: 10/01/2023 From Account:
Thru: 10/31/2023 Thru Account:

Check Nbr	Check Date	Payee	Amount
620-00-57832-000-000	10/12/23	Maint Collection Syst Pumping LS4 Wear Plates	452.66
		452589-00	
Total			452.66

10565 10/18/2023 ERICKSON & ASSOCIATES SC
Client ID 10290

610-00-57923-000-000	9/30/23	Outside Services Employed Consultations with Jason	135.00
		60598	
620-00-57852-000-000	9/30/23	Outside Services Employed Consultations with Jason	135.00
		60598	
Total			270.00

10566 10/18/2023 MARTENSON & EISELE INC
Engineering Services through 9/30/23

610-00-13143-000-000		Due from Developers Harrison Heights through 9/30/23	292.50
		63421	
620-00-13143-000-000		Due from Developers Harrison Heights through 9/30/23	292.50
		63421	
620-00-57852-000-000		Outside Services Employed Sewer-Related Eng. through 9/30/23	312.50
		63429	
610-00-57923-000-000		Outside Services Employed System Map Updates through 9/30/23	900.00
		63442	
620-00-57852-000-000		Outside Services Employed System Map Updates through 9/30/23	900.00
		63442	
Total			2,697.50

10567 10/18/2023 MENARDS-APPLETON EAST
Account 31110431

610-00-57641-000-000	10/5/23	Operation Supplies & Expenses Misc. Shop Supplies	36.16
		45815	
620-00-57827-000-000	10/5/23	Operation Supplies & Expenses Misc. Shop Supplies	36.16
		45815	
620-00-57832-000-000	9/21/23	Maint Collection Syst Pumping LS4 Plumbing Supplies	8.98
		45068	
Total			81.30

10568 10/18/2023 SPEEDY CLEAN
10/2/23 Remove Sand from Main Valve Rise

610-00-57651-000-000	10/2/23	Maintenance of Mains Remove Sand from Main Valve Rise	1,310.00
		81059	

Bills & Claims - Harrison Utilities

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ACCT

UTILITIES EXPENSE COMM FIRST CU

Accounting Checks

Posted From: 10/01/2023 From Account:
Thru: 10/31/2023 Thru Account:

Check Nbr	Check Date	Payee	Amount
			Total 1,310.00
			Grand Total 190,104.43

Bills & Claims - Harrison Utilities

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Reprint Check Register - Full Report - ALL

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ACCT

UTILITIES EXPENSE COMM FIRST CU

Accounting Checks

Posted From: 10/01/2023 From Account:
Thru: 10/31/2023 Thru Account:

	Amount
<hr/>	
Total Expenditure from Fund # 610 - WATER UTILITY	73,476.03
Total Expenditure from Fund # 620 - SEWER UTILITY	116,628.40
Total Expenditure from all Funds	190,104.43

Bills & Claims - Harrison Utilities

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ACCT

UTILITIES EXPENSE NICOLET

Accounting Checks

Posted From: 10/01/2023 From Account:
Thru: 10/31/2023 Thru Account:

Check Nbr	Check Date	Payee	Amount
EFT	10/02/2023	PSN INVOICE - UTILITIES	
9/01/23-9/30/23	PSN PAYMENT SERV		
			Manual Check
610-00-57923-000-000	9/01/23-9/30/23	Outside Services Employed PSN PAYMENT SERV 283231	24.97
620-00-57852-000-000	9/01/23-9/30/23	Outside Services Employed PSN PAYMENT SERV 283231	24.98
Total			49.95
Grand Total			49.95

Bills & Claims - Harrison Utilities

11/22/2023 1:39 PM

Reprint Check Register - Full Report - ALL

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ACCT

UTILITIES EXPENSE NICOLET

Accounting Checks

Posted From: 10/01/2023 From Account:
Thru: 10/31/2023 Thru Account:

	Amount
<hr/>	
Total Expenditure from Fund # 610 - WATER UTILITY	24.97
Total Expenditure from Fund # 620 - SEWER UTILITY	24.98
Total Expenditure from all Funds	49.95

VILLAGE BOARD MEETING

VILLAGE OF HARRISON

From:

Chad Pelishek, Assistant Village Manager

Meeting Date:

November 28, 2023

Title:

Preliminary Plat- Mel Baeten- Sprangers Estates, Third Version (2 Options)

Issue:

Should the Village Board approve the Third Version (2 Options) of the Preliminary Plat for Sprangers Estate development?

Background and Additional Information:

This is the third and fourth concepts presented to the Village for Sprangers Estates. Previously, the Board approved with only commercial. Staff feels all commercial in this area may be challenging to recruit given its lack of visibility to throughfares.

The two options presented to the Board are a hybrid of previous discussions. Staff recommends consideration of Option 3 with the commercial along the north property line and along Highline and feel that plan is doable.

Budget Impacts:

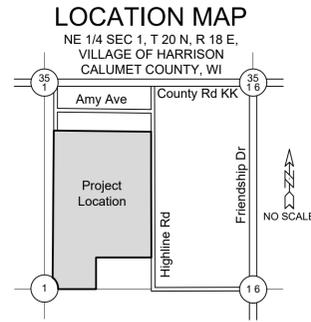
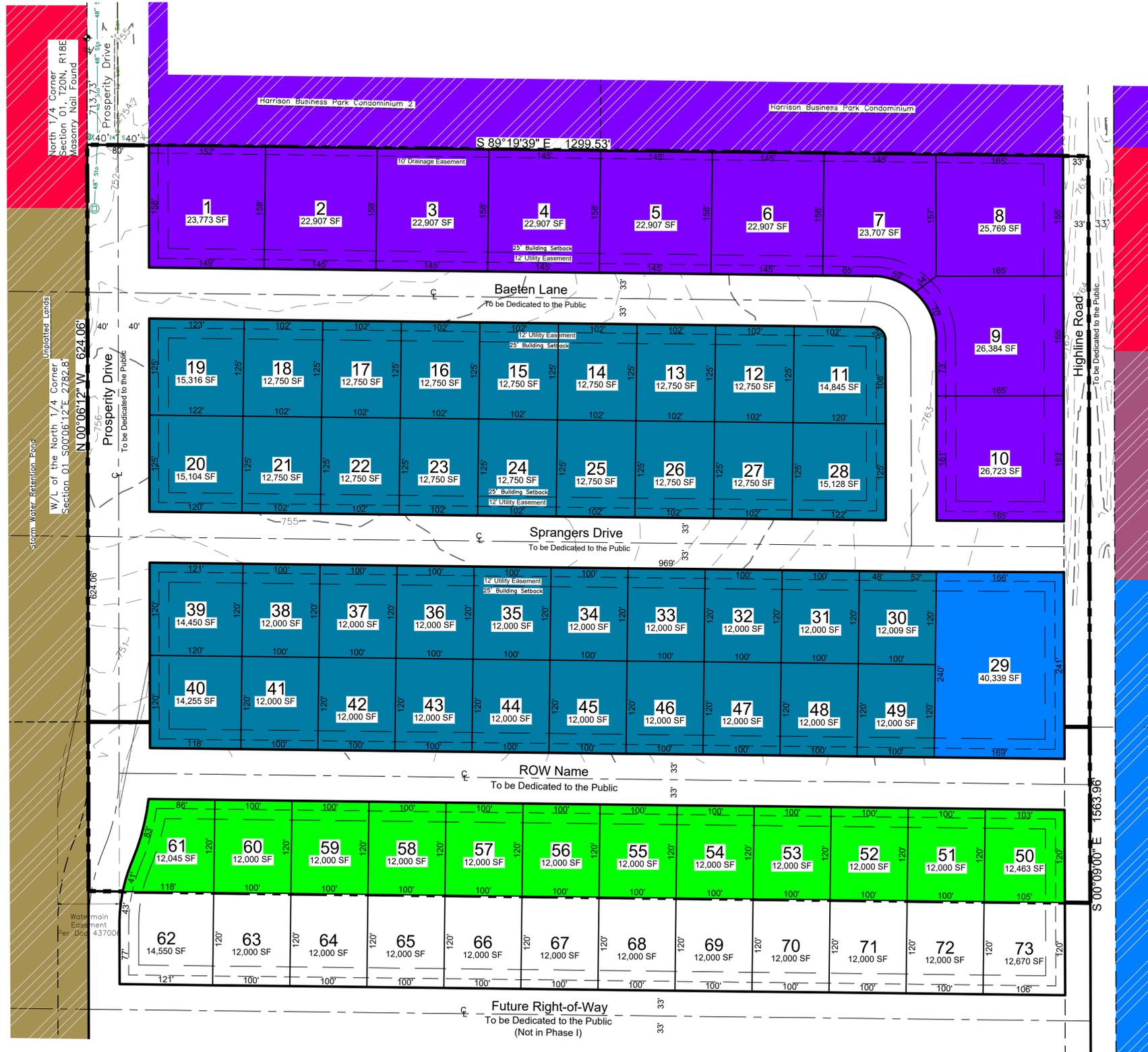
None

Recommended Action:

Motion as determined by the Board.

Attachments:

- [7816PlatALT3-1 of 1.pdf](#)
- [7816PlatALT4-1 of 1.pdf](#)



- ZONING DISTRICTS**
- AG | General Agriculture
 - RR | Rural Residential
 - RS-1 | Single-Family Residential (Suburban)
 - RT | Two-Family Residential
 - BP | Business Park
 - COR | Office & Retail Commercial
 - RM | Multiple-Family Residential
 - Existing Zoning

STORM STRUCTURES

Structure #	Rim	Inv	Size	Material	Direction
MH A	755.40	745.72	48"	RCP	S
		745.72	30"	HDPE	W
		745.72	30"	HDPE	E
MH B	754.01	744.72	48"	RCP	N
		744.72	48"	RCP	S
		747.87	24"	PVC	E
MH C	753.29	744.41	48"	RCP	N
		744.41	48"	RCP	W
CB D	750.12	743.88	48"	RCP	E
		743.88	48"	RCP	SW

SANITARY STRUCTURES

Structure #	Rim	Inv	Size	Material	Direction
MH 1	756.20	728.98	10"	PVC	E
		728.84	12"	PVC	S
		728.78	15"	PVC	W

SUPPLEMENTARY DATA
 Phase I (North Area):
 Total Area = 1,254,868 SF 28.8078 Acres
 R/W Area = 345,522 SF 7.9321 Acres
 Net Area = 909,346 SF 20.8757 Acres
 Number of Lots = 61
 Lineal Feet of Street = 4,334 LF
 Existing Zoning = AG & RR
 Proposed Zoning =
 38 RT - Average Lot Size = 12,726 SF
 10 BP - Average Lot Size = 26,723 SF
 1 RR
 12 RS-1 - Average Lot Size = 12,042 SF

NOTE
 • Utility and Drainage Easements will be shown on Final Plat

SURVEYOR'S CERTIFICATE

I, James R. Sehloff, hereby certify that this Preliminary Plat is a correct representation of all existing land divisions and features, and that I have complied with the preliminary plat requirements for the Village of Harrison.

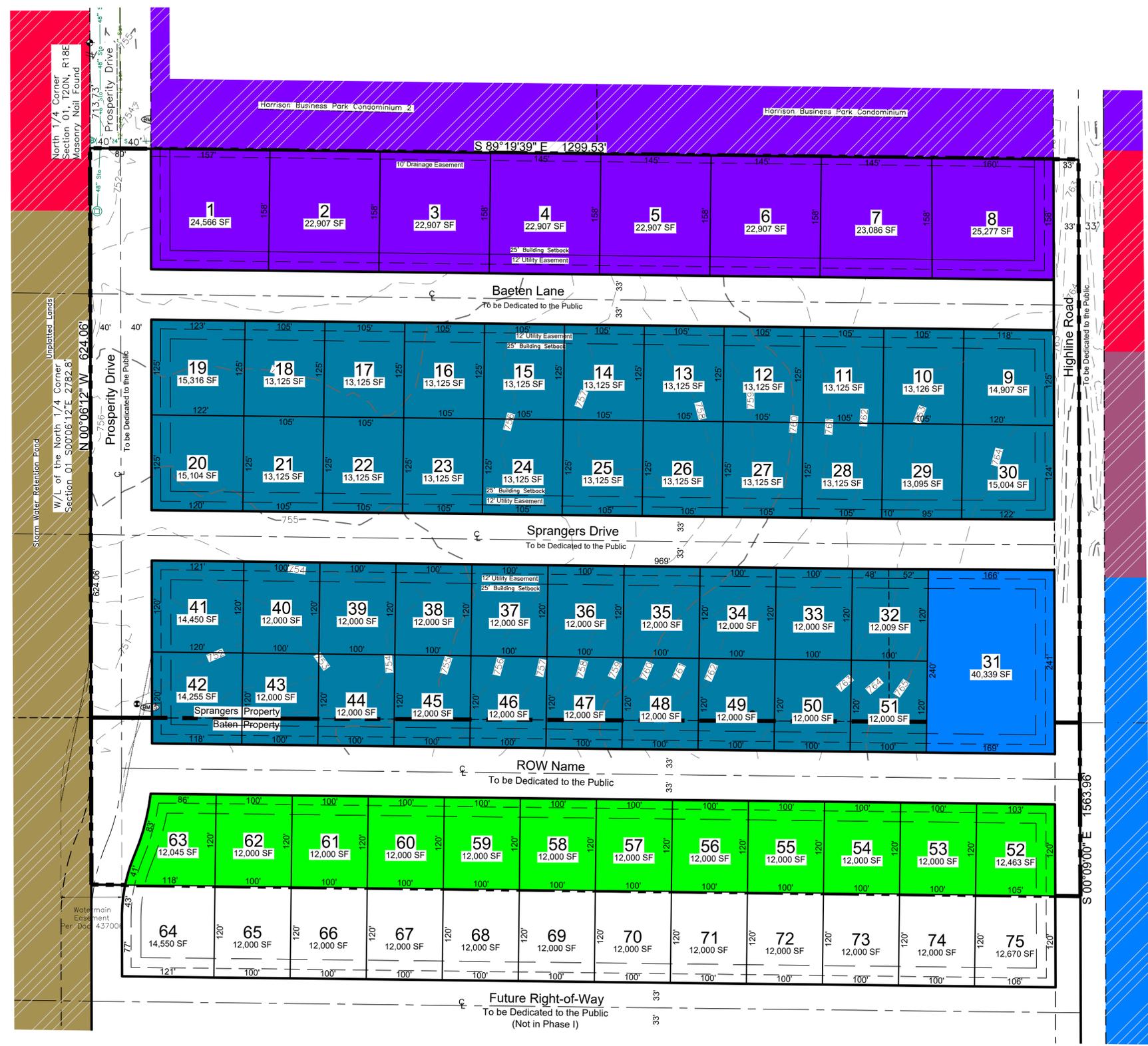
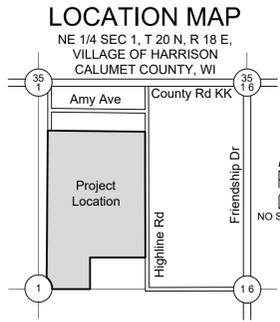
James R. Sehloff, P.L.S. No. S-2692 Date

DAVEL ENGINEERING & ENVIRONMENTAL, INC.
 Civil Engineers and Land Surveyors
 1164 Province Terrace, Menasha, WI 54952
 Ph: 920-991-1866 Fax: 920-441-0804
 www.davelpro

TOPOGRAPHIC SURVEY

Sprangers Estates
 Village of Harrison, Calumet County, WI
 For: Mel Baeten

Date:	11/9/2023
Filename:	7816PlatALT3.dwg
Author:	JRS
Last Saved by:	kristy
Page:	1 of 1



STORM STRUCTURES

Structure #	Rim	Inv	Size	Material	Direction
MH A	755.40	745.72	48"	RCP	S
		745.72	30"	HDPE	W
		745.72	30"	HDPE	E
MH B	754.01	744.72	48"	RCP	N
		744.72	48"	RCP	S
		747.87	24"	PVC	E
MH C	753.29	744.41	48"	RCP	N
		744.41	48"	RCP	W
CB D	750.12	743.88	48"	RCP	E
		743.88	48"	RCP	SW

SANITARY STRUCTURES

Structure #	Rim	Inv	Size	Material	Direction
MH 1	756.20	728.98	10"	PVC	E
		728.84	12"	PVC	S
		728.78	15"	PVC	W

SUPPLEMENTARY DATA
 Phase I (North Area):
 Total Area = 1,254,868 SF 28.8078 Acres
 R/W Area = 345,522 SF 7.9321 Acres
 Net Area = 909,346 SF 20.8757 Acres
 Number of Lots = 63
 Lineal Feet of Street = 4,334 LF
 Existing Zoning = AG & RR
 Proposed Zoning =
 42 RT - Average Lot Size = 12,726 SF
 8 BP - Average Lot Size = 26,723 SF
 1 RR
 12 RS-1 - Average Lot Size = 12,042 SF

NOTE
 • Utility and Drainage Easements will be shown on Final Plat

ZONING DISTRICTS

AG	General Agriculture
RR	Rural Residential
RS-1	Single-Family Residential (Suburban)
RT	Two-Family Residential
BP	Business Park
COR	Office & Retail Commercial
RM	Multiple-Family Residential
Existing Zoning	Existing Zoning



Concept 4

Sprangers Estates
 Village of Harrison, Calumet County, WI
 For: Mel Baeten

VILLAGE BOARD MEETING

VILLAGE OF HARRISON

From:

Chad Pelishek, Assistant Village Manager

Meeting Date:

November 28, 2023

Title:

Ordinance V23-11 Amending the Official Zoning Map - Request by Sunrise Pitsch to Rezone Land within Parcel ID 38568 on Ertl Road from Rural Residential to General Agricultural.

Issue:

Should the Village Board approve a zoning map amendment (rezoning) for Sunrise Pitsch – Ertl Rd – Parcel 38568?

Background and Additional Information:

The applicant is proposing to rezone property located on Ertl Rd, parcel 38568, from Rural Residential [RR] to General Agriculture [AG]. The property is 5.17 acres that runs along Ertl Rd and Hwy 55. The applicant’s residence, W4997 Ertl Rd, is surrounded by the proposed land rezone in the northeast corner of Ertl Rd and Hwy 55.

The purpose of the rezoning is for a homestead/hobby farm. The farm will consist of animals that will be used for 4-H, which the applicant’s children participate. Recently, the applicant has planted two rows of trees that run parallel along the Hwy 55 right-of-way.

The applicant’s holding/septic tank for their residence is located on the northern portion of rezone request.

The southern half of the parcel floods and holds water most springs, making a large portion of the parcel unbuildable.

The Future Land Use Map identifies the subject property as Ag, Vacant, Undeveloped. The proposed rezoning is consistent with the Comprehensive Plan.

Budget Impacts:

None

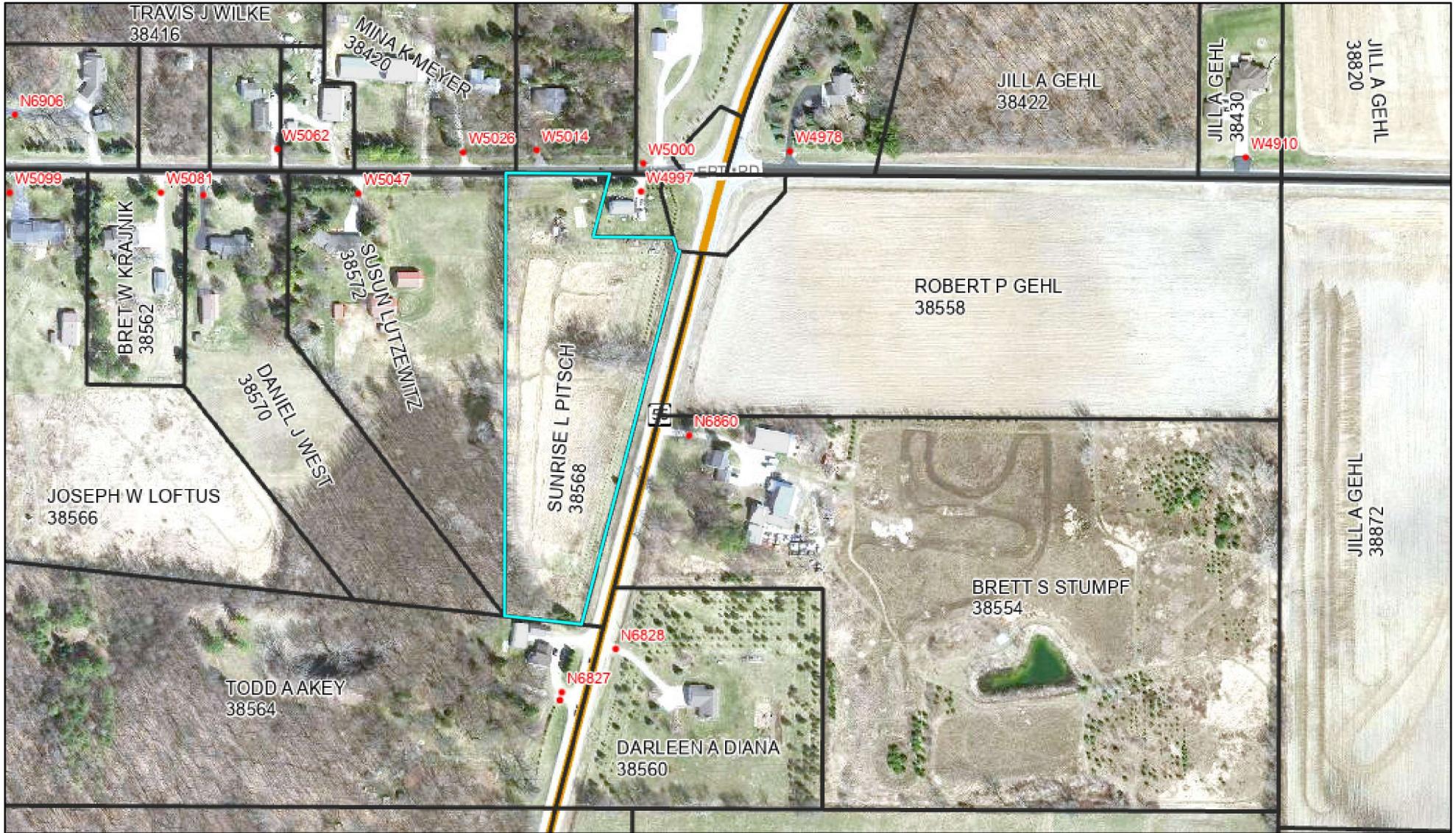
Recommended Action:

Motion to approve Ordinance V23-11 amending Harrison's Official Zoning Map by rezoning land within parcel 38568 from Rural Residential [RR] to General Agriculture [AG] as submitted.

Attachments:

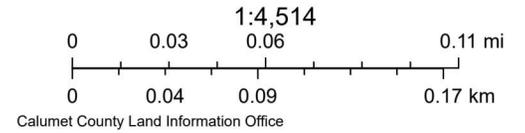
- [Aerial - Pitsch.pdf](#)
- [Pitsch Zoning Map_2.pdf](#)
- [Pitsch Future Land Use Map.pdf](#)
- [V23-11 Zoning Map Amendment - Pitsch.pdf](#)

ArcGIS Web Map

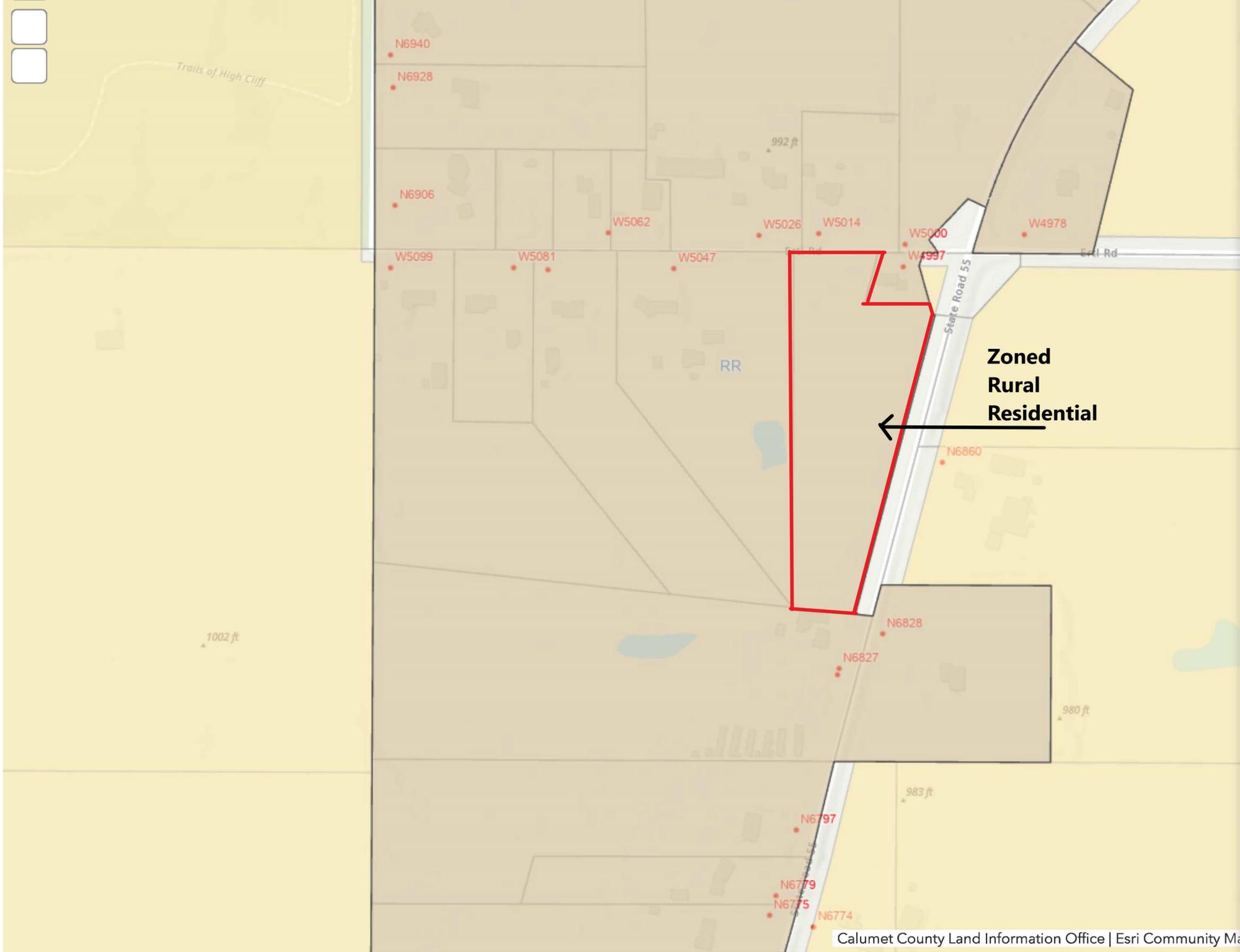


11/10/2023, 8:49:36 AM

-  Parcels
-  Address Point
-  County Boundary
-  Parks Zoom
-  Trail
-  Building Footprint
-  Calumet Roads Cartographic
-  State Highways
-  City Streets
-  Municipal Boundary
-  Village Boundary
-  Red: Band_1
-  Green: Band_2
-  Blue: Band_3



38568
Show search results for 38568

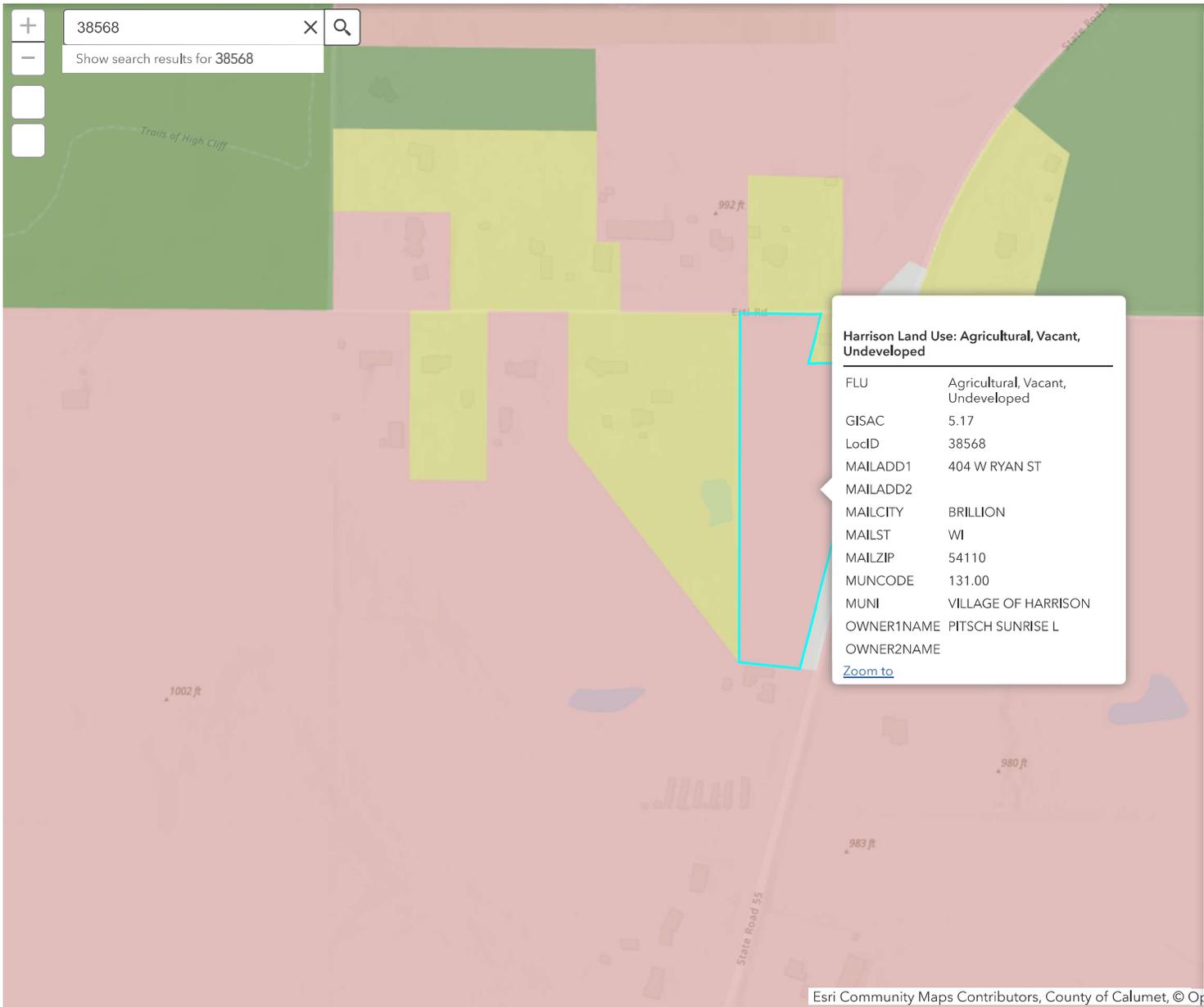


- Legend**
- Single Family Residential Development
 - One and Two Family Residential District
 - Multi-Family Residential District
 - Multi-Family Residential District (Downtown)
 - Two Family Residential District
 - Rural Character District
 - Conservancy District

- Zoning Village of Harrison**
- General Agriculture
 - Rural Residential
 - Single Family Residential (Suburban)
 - Single Family Residential (Traditional)
 - Two Family Residential
 - Multiple Family Residential
 - Neighborhood Commercial
 - Office and Retail Commercial
 - Community Commercial
 - Business Park
 - Industrial and Manufacturing
 - Natural and Conservancy
 - Shoreland Overlay
 - Shoreland-Wetland Overlay
 - Planned Development Overlay
 - <Null>

- Zoning Township of Brothertown**
- Exclusive Agricultural
 - General Agriculture
 - Heartland
 - Mixed Use Commercial
 - Recreational Commercial
 - Single Family Residential - 20,000
 - Wetland

- County Zoning**
- Zoning
- Natural Area (NA)
 - Exclusive Agricultural (EA)
 - Exclusive Agricultural Preservation (EAP)
 - General Agricultural (GA)
 - Agriculture Residential (AR)
 - Heartland (HL)
 - Small Estate Residential (SE)



38568

Show search results for 38568

Harrison Land Use: Agricultural, Vacant, Undeveloped

FLU	Agricultural, Vacant, Undeveloped
GISAC	5.17
LocID	38568
MAILADD1	404 W RYAN ST
MAILADD2	
MAILCITY	BRILLION
MAILST	WI
MAILZIP	54110
MUNCODE	131.00
MUNI	VILLAGE OF HARRISON
OWNER1NAME	PITSCH SUNRISE L
OWNER2NAME	

[Zoom to](#)

- Legend**
- HarrisonLandUse**
- Harrison Land Use
- Agricultural, Vacant, Undeveloped
 - Farmstead Homes
 - Commercial
 - Industrial
 - Mixed Use
 - Public/Institutional
 - Single Family Residential (sewered)
 - Single Family Residential (transitional)
 - Single Family Residential (unsewered)
 - Mixed Single Family & Two Family Residential
 - Two Family Residential
 - Multi-family Residential
 - Mobile Home Park
 - Utilities/Quarries
 - Parks and Recreation
 - Special Ag/Nurseries
 - Wetlands
 - Woodlands
 - Private Rd
 - ROW

Esri Community Maps Contributors, County of Calumet, © Op

ORDINANCE V23-11

**AN ORDINANCE AMENDING THE VILLAGE OF HARRISON
OFFICIAL ZONING MAP.** (Sunrise Pitsch, Ertl Rd, Parcel 38568)

WHEREAS, a public hearing on the zoning map amendment was held by the Harrison Plan Commission on November 21, 2023; and

WHEREAS, the Plan Commission found the proposed zoning map amendment to be consistent with the Comprehensive Plan; and

WHEREAS, the Plan Commission recommended approval of the zoning map amendment.

THEREFORE, BE IT ORDAINED, by the Village Board of the Village of Harrison, Calumet and Outagamie Counties, Wisconsin, that Article IV of the Village of Harrison Zoning Ordinance pertaining to zoning districts, and the map therein described, is hereby amended by rezoning the below described properties from Rural Residential [RR] to General Agricultural [AG].

Land contained wholly within Parcel No. 38568 and specifically described as:

178-783,J301-30 PRT N1/2 NE1/4 SEC.12-19-18 COM1054.06'E N1/4/C SEC.12,
E212.33',SW132',E179.37'TO NW/ ROW HWY55,SW804.05'TO N/L V.78-
525,W159.24',N891.43'TO POB,EX HWY/ROW J5674-7.

Subject to all easements and restrictions of record.

EFFECT. This ordinance shall be in force and effect upon passage as provided by law. Upon passage, the Village zoning administrator is authorized and directed to make necessary changes to the official zoning map of the Village of Harrison, all in accordance with this Ordinance.

Introduced, Approved, and Adopted by the Village Board of the Village of Harrison on this 28th day of November 2023.

Allison Blackmer, Village President

Attest: Vicki L. Tessen, Village Clerk

Recorded Vote: ____ For ____ Against

VILLAGE BOARD MEETING

VILLAGE OF HARRISON

From:

Chad Pelishek, Assistant Village Manager

Meeting Date:

November 28, 2023

Title:

Preliminary Plat – Crossroads – Gene Frederickson – Parcels 40390 & 40384

Issue:

Should the Plan Commission recommend approval of the Preliminary Plat of the Crossroads commercial subdivision to the Village Board?

Background and Additional Information:

The applicant is proposing a 13-lot and 2-outlot preliminary plat for a new commercial subdivision called Crossroads. The subdivision is located east of Friendship Drive and south of County KK, but north of State Hwy 55. It consists of two parcels—40390 and 40384. The total area is 24.3392 acres.

The very east side of the subdivision borders the City of Kaukauna. The restaurant SALT, which is not part of the preliminary plat, is located between lots 9 and 5, off Friendship Dr.

The property is currently zoned Office & Retail Commercial [COR]. COR zoning provides permitted and conditional uses for business, professional and commercial retail. This zoning is intended to be located along major thoroughfares and be served with public sanitary sewer and water facilities. The developer of each lot will be responsible for submitting a stormwater management and erosion control plan.

The subdivision has two main entrances—an entrance off Friendship Dr and an entrance off Cty KK. The Cty KK entrance does not align with Fieldcrest Dr, which is on the other side of Cty KK. The City of Kaukauna will not allow the road to move further east. Staff has confirmed that the county highway commissioner has approved the access point on Cty KK.

All roadways are proposed to be dedicated to the public at a width of 66-feet for the right-of-way. Lots vary in square footage. The average lot size is 64,395 square feet. Sewer and water will be extended through the subdivision. Stormwater management will be accommodated in a stormwater pond located on Outlot 1.

Budget Impacts:

None

Recommended Action:

Staff recommends approval of the Preliminary Plat for Crossroads with the following conditions:

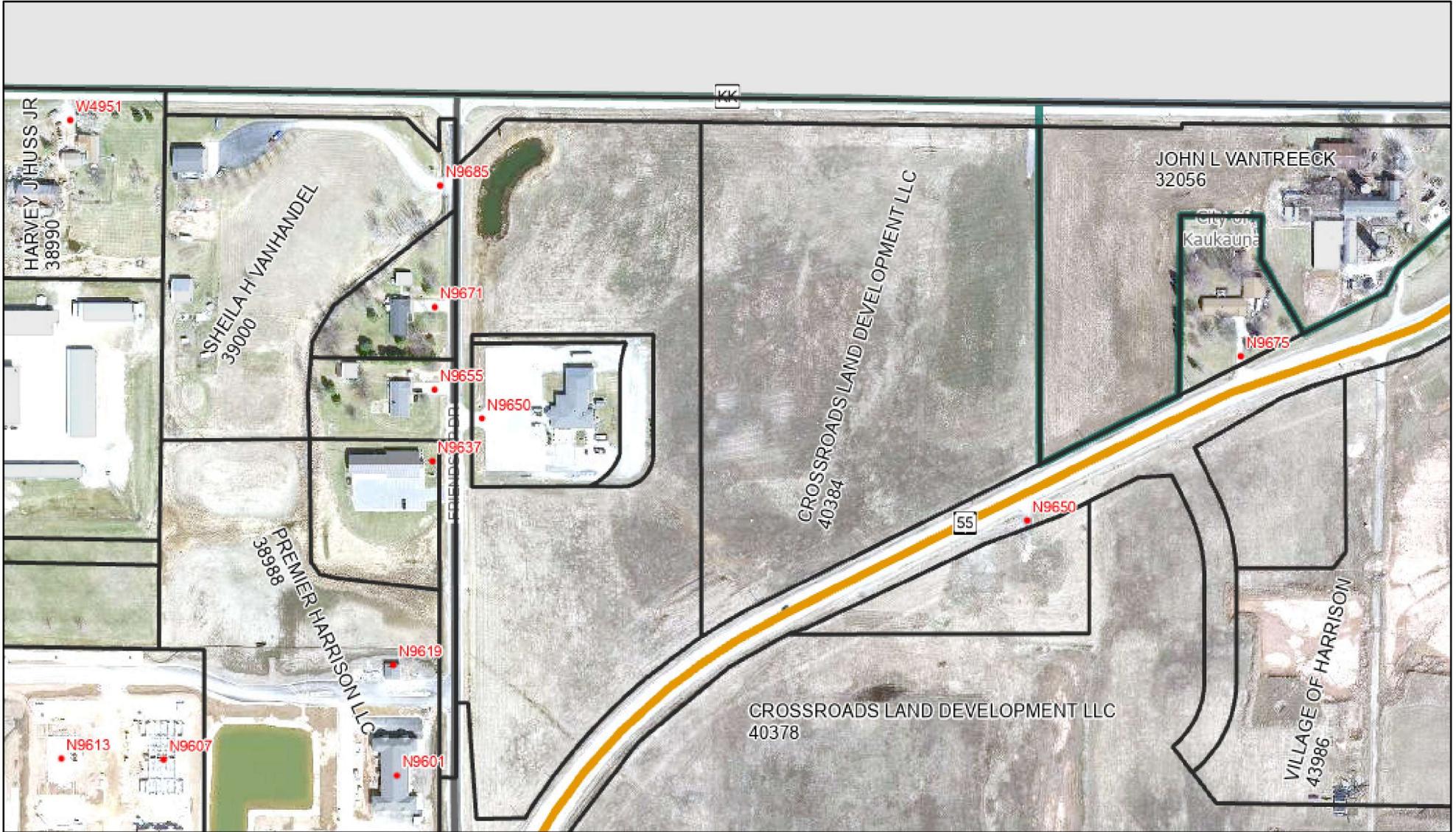
1. A Development Agreement be finalized and signed before or in conjunction with the Final Plat.
2. Erosion Control Silt Fence shall be installed, in accordance with State Specifications, along the right-of-way line of all streets prior to roadway acceptance.
3. All lots shall have a storm sewer lateral provided for sump pump discharge.
4. All storm sewer easements shall be 30-feet in width.

5. A grading/drainage stormwater management plan and erosion control plan shall be reviewed and approved by the Village engineer and Village staff.
6. Final utility and street plans shall be reviewed and approved by the appropriate review authority prior to approval of the Final Plat and prior to utility and street construction.
7. Grading/Drainage Plan shall identify elevations of ground at the foundation.
8. There shall be notes to be added to the face of the final plat in accordance with Section 115-12(d)(1)(f).
9. The final plat and final grading/drainage plans shall include benchmarks for all fire hydrants. Benchmarks shall refer to hydrant tag bolts.
10. Plans shall be sent to the appropriate utility entities for review (i.e. phone, cable, gas/electric, sewer/water).
11. All easements shall be labeled with correct ownership and shall provide all benefits needed to the easement holder, including but not limited to access, maintenance, or other authority.

Attachments:

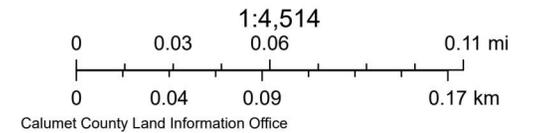
- [Aerial - Crossroads.pdf](#)
- [7662Plat-1.pdf](#)

ArcGIS Web Map



11/15/2023, 12:59:21 PM

- | | | | |
|-------------------|----------------------------|---------------------------|--------------------------------|
| Parcels | Building Footprint | City Streets | Calumet County 2021 Orthophoto |
| Address Point | Rivers and Streams Zoom | Municipal Boundary | Red: Band_1 |
| County Boundary | Calumet Roads Cartographic | City Boundary | Green: Band_2 |
| Regional Counties | State Highways | Village Boundary | Blue: Band_3 |
| | County Highways | Regional Counties Outline | |

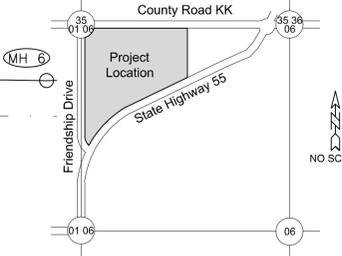


Preliminary Plat of Crossroads

Part of Lot 2 of Certified Survey Map No. 3334 and Part of the Fractional Southwest 1/4 of the Northwest 1/4 and Part of the Fractional Northwest 1/4 of the Northwest 1/4 of Section 06, Township 20 North, Range 19 East, Village of Harrison, Calumet County, Wisconsin

LOCATION MAP

NW 1/4 SEC 06, T 20 N, R 19 E,
VILLAGE OF HARRISON
CALUMET COUNTY, WI

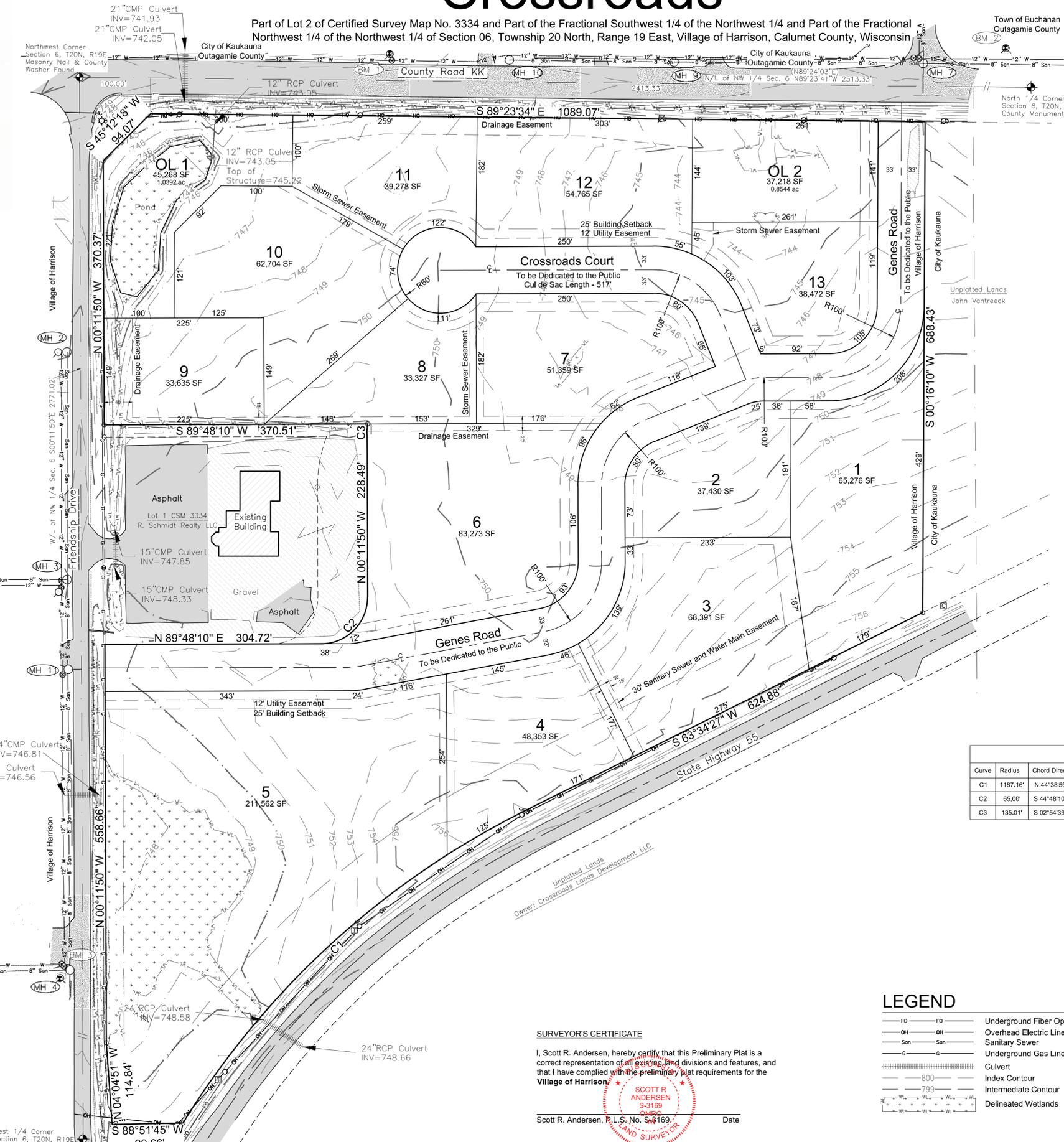


BENCHMARKS (NAVD88)

- BM 1 Fire Hydrant, Tag Bolt
±415' East of intersection of Freindship Dr and Calumet St on north RW
Elev 749.16
- BM 2 Fire Hydrant, Tag Bolt
Northeast Corner of intersection of Fieldcrest Dr and Calumet St
Elev 742.53
- BM 3 Fire Hydrant, Tag Bolt
±410' North of intersection of Friendship Dr and WI-55 on west R/W
Elev 750.24

SANITARY STRUCTURES

Structure #	Rim	Inv	Size	Material	Direction
MH 1	749.45	735.85	8"	PVC	N
		735.85	8"	PVC	E
MH 2	749.69	739.09	8"	PVC	S
MH 3	749.89	737.69	8"	PVC	N
		737.69	8"	PVC	S
		737.69	8"	PVC	W
MH 4	749.70	739.50	8"	PVC	N
		739.50	8"	PVC	S
		739.50	8"	PVC	W
MH 5	750.80	740.60	8"	PVC	E
		740.60	8"	PVC	W
MH 6	743.92	723.42	8"	PVC	E
		723.42	8"	PVC	W
MH 7	745.43	722.03	8"	PVC	N
		722.03	8"	PVC	S
		722.03	8"	PVC	E
		733.63	8"	PVC	W
MH 9	746.88	735.18	8"	PVC	E
		735.18	8"	PVC	W
MH 10	748.34	736.34	8"	PVC	E
		738.08	8"	PVC	S
MH 11	749.58	738.08	8"	PVC	N
		738.08	8"	PVC	S



SUPPLEMENTARY DATA

Total Area = 1,060,217 SF 24.3392 acres
 R/W Area = 149,906 SF 3.4414 acres
 Net Area = 910,311 SF 20.8978 acres
 Number of Lots = 13 and 2 Outlots
 Average lot size = 64,395 SF
 Typical lot dimension = 182' x 250'
 Lineal feet of street = 2,188 LF
 Existing zoning = COR (Office & Retail Commercial)
 Proposed zoning = COR (Office & Retail Commercial)
 Approving Authorities
 Village of Harrison
 Objecting Authorities
 Department of Administration
 Department of Transportation
 Calumet County

NOTES

- Utility and Drainage Easements will be shown on Final Plat

Line	Bearing	Length
L1	S 00°11'50" E	50.00'

Curve	Radius	Chord Direction	Chord Length	Arc Length	Central Angle	Tangent Bearing-in	Tangent Bearing-out
C1	1187.16'	N 44°38'56" E	528.91'	533.38'	25°44'33"	N 31°46'39" E	N 57°31'12" E
C2	65.00'	S 44°48'10" W	91.92'	102.10'	89°59'59"	S 00°11'50" E	S 89°48'09" W
C3	135.01'	S 02°54'39" W	14.64'	14.65'	6°12'58"	S 06°01'08" W	S 00°11'50" E

LEGEND

- FO - FO Underground Fiber Optic
- OH - OH Overhead Electric Lines
- Son - Son Sanitary Sewer
- G - G Undergruond Gas Line
- 800 - 800 Culvert
- 799 - 799 Index Contour
- 799 - 799 Intermediate Contour
- W-L W-L Delineated Wetlands
- Sanitary MH / Tank / Base
- Hydrant
- Utility Valve
- Utility Meter
- Utility Pole
- Light Pole / Signal
- Guy Wire
- Telephone Pedestal
- CATV Pedestal
- Benchmark
- Asphalt Pavement
- Concrete Pavement
- Gravel

SURVEYOR'S CERTIFICATE

I, Scott R. Andersen, hereby certify that this Preliminary Plat is a correct representation of all existing land divisions and features, and that I have complied with the preliminary plat requirements for the Village of Harrison.

SCOTT R. ANDERSEN
S-3169
CALUMET COUNTY
LAND SURVEYOR

Scott R. Andersen, P.L.S. No. S-3169 Date



Bearings are referenced to the West line of the Northwest 1/4, Section 06, T20N, R19E, assumed to bear S00°11'50"E, base on the Calumet County Coordinate System.

West 1/4 Corner
Section 6, T20N, R19E
Masonry Nail Found

Nov. 06, 2023 - 02:03 PM J:\Projects\7662gen.dwg\Civil 3D\7662Plat.dwg Printed by: scott
DAVEL ENGINEERING & ENVIRONMENTAL, INC.
 Civil Engineers and Land Surveyors
 1184 Province Terrace, Menasha, WI 54952
 Ph: 920-991-1886 Fax: 920-441-0804
 www.davelpro

PRELIMINARY PLAT

Crossroads
 Village of Harrison, Calumet County, WI
 For: Crossroads Land Development LLC

Date: 11/6/2023
 Filename: 7662Plat.dwg
 Author: SRA
 Last Saved by: scott
 Page 1

VILLAGE BOARD MEETING

VILLAGE OF HARRISON

From:

Chad Pelishek, Assistant Village Manager

Meeting Date:

November 28, 2023

Title:

Final Plat – Harrison Heights 2 – DeWitt Development, LLC – Parcels 46190 & 33558

Issue:

Should the Village Board approve the Final Plat of Harrison Heights 2 subdivision?

Background and Additional Information:

The applicant is proposing a 46-lot and 1-outlot (Outlot 2) final plat for the second phase of Harrison Heights subdivision. The second phase is located south of Edgewood Dr and east of Noe Rd. The property is currently zoned Single-Family Residential (Suburban) [RS-1].

The subdivision is proposed to have roadway access to Woodland Road via Dublin Pass from the north. All roadways are proposed to be dedicated to the public at a width of 66-feet for the right-of-way. Lots are generally 15,000 square feet in area, with larger corner lots.

Outlot 2 in the southeast corner is 2.5065 acres. Staff recommends a flooding easement on Lot 69 which borders Outlot 2. Sewer and water will be extended through the subdivision.

The Harrison Heights 2 final plat conforms to the Harrison Height Preliminary Plat. The Village Board approved the final plat for Harrison Heights phase one on February 28, 2023.

Budget Impacts:

None

Recommended Action:

Motion to approve the Final Plat for Harrison Heights with the following conditions:

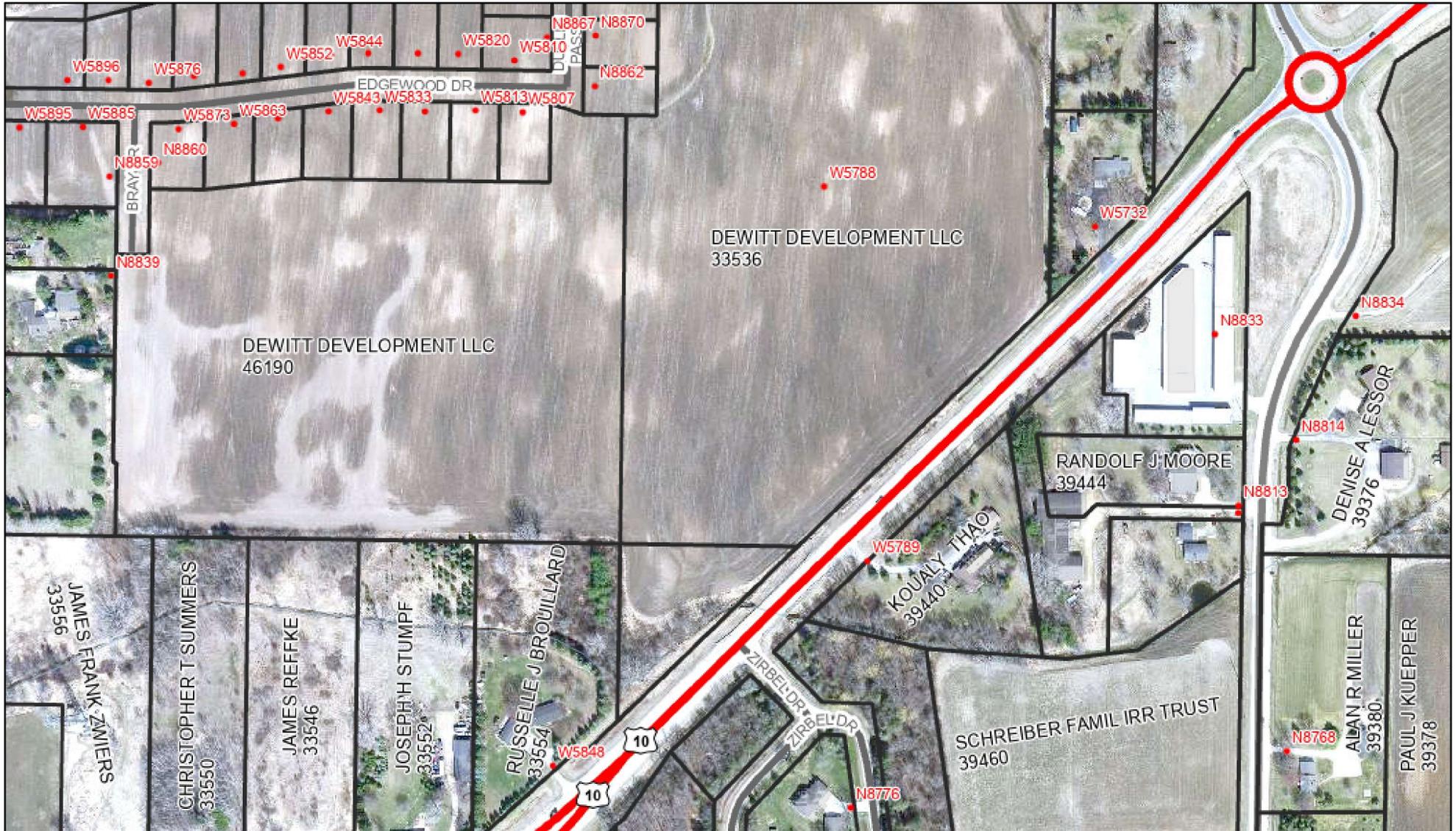
1. A Subdivision Development Agreement for phase two be finalized and signed before the Village signs the final plat.
2. Harrison Utilities be listed as a grantee under the Utility Easement Provisions (page 2 of the plat) rather than the Darboy Sanitary District.
3. A flooding easement be added to Lot 69.
4. Erosion Control Silt Fence shall be installed, in accordance with State Specifications, along the right-of-way line of all streets prior to roadway acceptance.
5. All lots shall have a storm sewer lateral provided for sump pump discharge.
6. All drainageways, drainage easement, and associated infrastructure shall be installed, graded and seeded prior to roadway acceptance.
7. All utilities, including but not limited to, sanitary sewer, water, storm sewer, gas, electric, cable, phone, shall be installed prior to roadway acceptance.
8. The Village Board shall accept the roadway in a “graveled state”, with a temporary asphalt binder, prior to issuance of building permits and zoning permits.

9. All final improvements, including but not limited to, curb & gutter, asphalt paving, sidewalks, and trails shall be installed prior to issuance of building permits or zoning permits, unless the Village Board approves a Subdivision Development Agreement to allow for improvements to be installed at a later date.
10. If applicable, wetland determinations and/or studies shall be provided to the Village.
11. Benchmarks shall be established on all hydrant tag bolts.
12. Grading/Drainage Plan shall identify elevations of ground at the foundation.

Attachments:

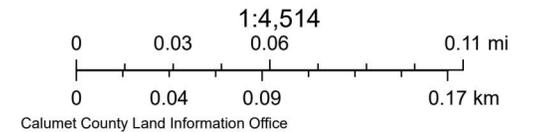
- [Aerial - Harrison Heights 2.pdf](#)
- [6934Final2-1 of 2.pdf](#)
- [6934Final2-2 of 2.pdf](#)

ArcGIS Web Map



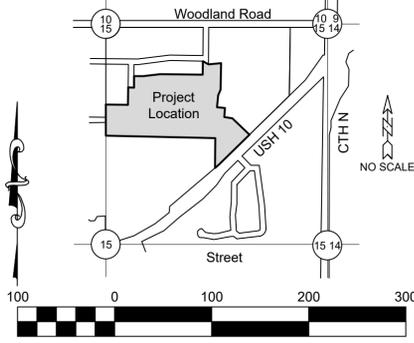
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- | | | | |
|-----------------|----------------------------|--------------------|--------------------------------|
| Parcels | Building Footprint | County Highways | Calumet County 2021 Orthophoto |
| Address Point | Rivers and Streams Zoom | City Streets | Red: Band_1 |
| County Boundary | Calumet Roads Cartographic | Municipal Boundary | Green: Band_2 |
| | Federal Highways | Village Boundary | Blue: Band_3 |



LOCATION MAP

NE 1/4 SEC 15, T 20 N, R 18 E,
VILLAGE OF HARRISON
CALUMET COUNTY, WI



Bearings are referenced to the North line of the Northeast 1/4, Section 15, T20N, R18E, assumed to bear N89°14'49"W, base on the Calumet County Coordinate System.

Harrison Heights 2

Part of Lot 1 and Lot 4 of Certified Survey Map 3976, being part of the Northwest 1/4 of Northeast 1/4 and unplatted lands being part of the Northeast 1/4 of Northeast 1/4 all in Section 15, Township 20 North, Range 18 East, Village of Harrison, Calumet County, Wisconsin

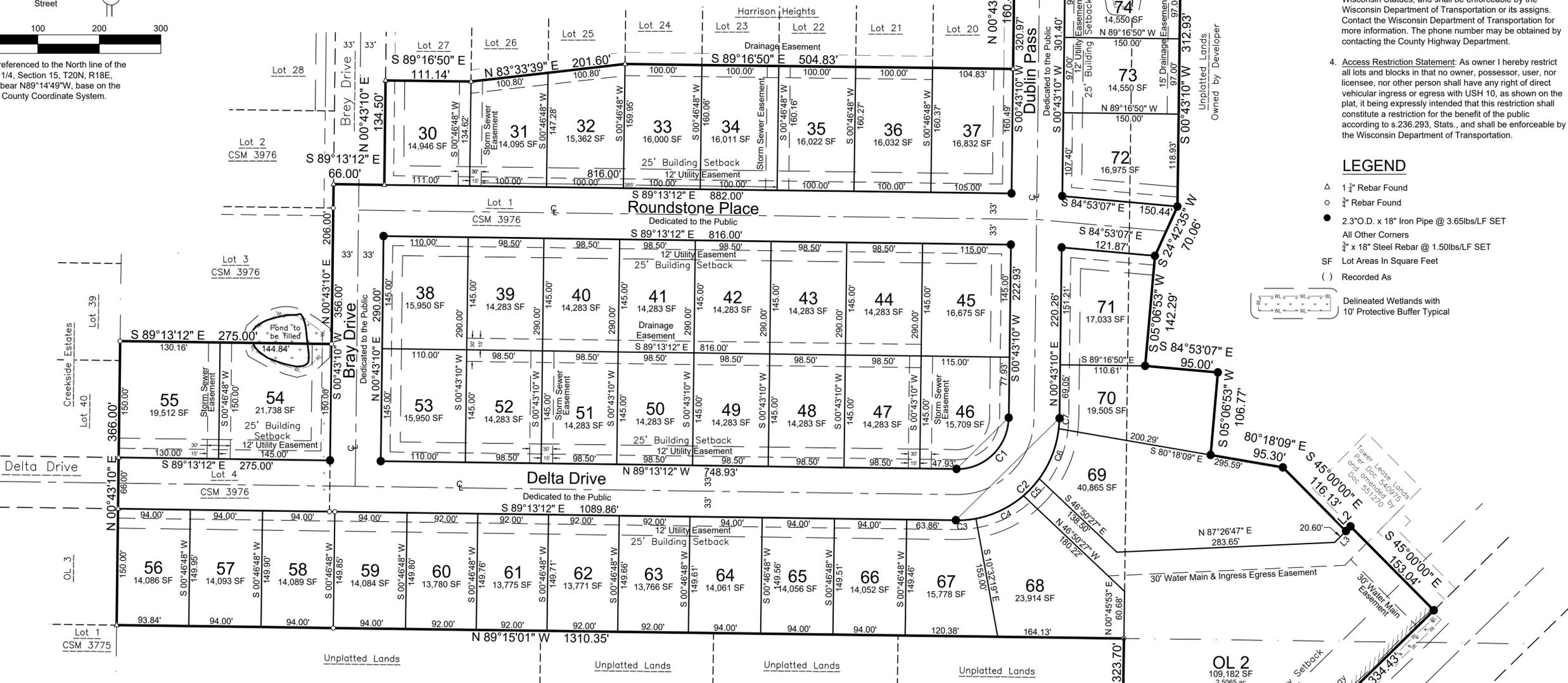
North 1/4 Corner Section 15, T20N, R18E
Masonry Nail Found
N/L of the NE 1/4, S89°14'49"E, 2622.78'
Northeast Corner Section 15, T20N, R18E
Berntsen Nail Found

NOTES

- All linear measurements have been made to the nearest one hundredth of a foot.
- All bearings are computed and measured to the nearest second.
- Highway Setback Note:** No improvements or structures are allowed between the right-of-way line and the highway setback line. It is expressly intended that this restriction is for the benefit of the public as provided in section 236.293, Wisconsin Statutes, and shall be enforceable by the Wisconsin Department of Transportation or its assigns. Contact the Wisconsin Department of Transportation for more information. The phone number may be obtained by contacting the County Highway Department.
- Access Restriction Statement:** As owner I hereby restrict all lots and blocks in that no owner, possessor, user, nor licensee, nor other person shall have any right of direct vehicular ingress or egress with USH 10, as shown on the plat, it being expressly intended that this restriction shall constitute a restriction for the benefit of the public according to s.236.293, Stats., and shall be enforceable by the Wisconsin Department of Transportation.

LEGEND

- △ 1 1/2" Rebar Found
- 3/4" Rebar Found
- 2.3" O.D. x 18" Iron Pipe @ 3.65lbs/LF SET
- All Other Corners
- 3/4" x 18" Steel Rebar @ 1.50lbs/LF SET
- SF Lot Areas In Square Feet
- () Recorded As
- Delineated Wetlands with 10' Protective Buffer Typical



Line	Bearing	Length
L1	N 44°05'07" W	25.00'
L2	N 45°00'00" E	8.53'
L3	N 45°00'00" E	20.60'

Curve	Radius	Chord Direction	Chord Length	Arc Length	Central Angle	Tangent Bearing-in	Tangent Bearing-out
C1	67.00'	N 45°44'58" E	94.80'	105.31'	90°03'38"	S 89°13'12" E	N 00°43'10" E
C2	133.00'	N 45°44'59" E	188.19'	209.06'	90°03'38"	S 89°13'12" E	N 00°43'10" E
C3	133.00'	N 85°07'15" E	26.23'	26.27'	11°19'07"	S 89°13'12" E	N 79°27'41" E
C4	133.00'	N 64°32'54" E	68.46'	69.24'	29°49'35"	N 79°27'41" E	N 49°38'06" E
C5	133.00'	N 43°09'33" E	30.00'	30.06'	12°57'05"	N 49°38'06" E	N 36°41'01" E
C6	133.00'	N 21°35'53" E	69.23'	70.04'	30°10'15"	N 36°41'01" E	N 06°30'46" E
C7	133.00'	N 03°36'58" E	13.44'	13.45'	5°47'36"	N 06°30'46" E	N 00°43'10" E

There are no objections to this plat with respect to Secs. 236.15, 236.16, 236.20 and 236.21(1) and (2), Wis. Stats. as provided by s. 236.12, Wis. Stats.

Certified _____, 20____

Department of Administration

James R. Sehloff PLS 2692 Date _____

Revision Date: Nov 06, 2023
 File: 6934Final2.dwg
 Date: 11/06/2023
 Drafted By: Jim
 Sheet: 1 of 2

DAVEL ENGINEERING & ENVIRONMENTAL, INC.
 Civil Engineers and Land Surveyors
 1164 Province Terrace, Menasha, WI 54952
 Ph: 920-991-1866 Fax: 920-441-0804
 www.davel.pro

Harrison Heights 2

Part of Lot 1 and Lot 4 of Certified Survey Map 3976, being part of the Northwest 1/4 of Northeast 1/4 and unplatted lands being part of the Northeast 1/4 of Northeast 1/4 all in Section 15, Township 20 North, Range 18 East, Village of Harrison, Calumet County, Wisconsin

Surveyor's Certificate

I, James R. Sehloff, professional land surveyor, hereby certify: That in full compliance with the provisions of Chapter 236 of the Wisconsin Statutes and the subdivision regulations of the Village of Harrison, and under the direction of Dewitt Development, LLC, owner of said land, I have surveyed divided and mapped Harrison Heights 2, that such plat correctly represents all exterior boundaries and the subdivision of the land surveyed, and that this land is Part of Lot 1 and Lot 4 of Certified Survey Map 3976, being part of the Northwest 1/4 of Northeast 1/4 and unplatted lands being part of the Northeast 1/4 of Northeast 1/4 all in Section 15, Township 20 North, Range 18 East, Village of Harrison, Calumet County, Wisconsin, containing 1,036,362 Square Feet (23.7916 Acres) of land, described as follows:

Commencing at the North 1/4 corner of Section 15, thence along the North line of the Northeast 1/4 of said Section 15, S89°14'49"E, 1673.00 feet; thence, along the East line of Harrison Heights, S00°43'10"W, 442.91 to the Southeast corner of Lot 19 of said Harrison Heights said point being the point of beginning; thence continuing S00°43'10"W, 312.93 feet; thence S24°42'35"W, 70.06 feet; thence S05°06'53"W, 14.29 feet; thence S84°53'07"E, 95.00 feet; thence S05°06'53"W, 106.77 feet; thence S80°18'09"E, 95.30 feet; thence S45°00'00"E, 116.13 feet; thence N45°00'00"E, 8.53 feet; thence S45°00'00"E, 153.04 feet to the Northerly right of way line of USH 10; thence, along said Northerly right of way line, S45°54'53"W, 334.43 feet; thence, continuing along said Northerly right of way line, N44°05'07"W, 25.00 feet; thence, continuing along said Northerly right of way line, S45°54'53"W, 208.52 feet; to the West line of the Southeast 1/4 of said Northeast 1/4; thence, along said West line, N00°45'53"E, 323.70 feet to the South line of the Northwest 1/4 of said Northeast 1/4; thence, along said South line, N89°15'01"W, 1310.35 feet to the Southeast corner of Creekside Estates; thence, along said East line, N00°43'10"E 366.00 feet to the Southwest corner of Lot 3 of Certified Survey Map 3976; thence, along said South line, S89°13'12"E, 275.00 feet to the Southeast corner of said Lot 3; thence, along said East line of Lot 3 and the East line of Lot 2 of said Certified Survey Map 3976, N00°43'10"E, 206.00 feet to the South right of way line of Brey Drive; thence, along said South right of way line S89°13'12"E, 66.00 feet to the East right of way line of said Brey Drive; thence, along said East right of way line, N00°43'10"E, 134.50 feet to the South line of said Harrison Heights; thence, along said South line S89°16'50"E, 111.14 feet; thence, continuing along said South line, N83°33'39"E, 201.60 feet; thence, continuing along said South line, S89°16'50"E, 504.83 feet; thence, continuing along said South line, N00°43'10"E, 160.49 feet to the South right of way line of Dublin Pass; thence along said South right of way line, S70°48'48"E, 69.58 feet to the Southwest corner of said Lot 19; thence, along the South line of said Lot 19, S89°16'50"E, 150.00 feet to the point of beginning; subject to all easements and restrictions of record.

Given under my hand this ____ day of _____, 20____.

James R. Sehloff, Wisconsin Professional Land Surveyor No. S-2692

Owner's Certificate

Dewitt Development, LLC, a corporation duly organized and existing under and by virtue of the laws of the State of Wisconsin, as owner, does hereby certify that said corporation caused the land described on this plat to be surveyed, divided, mapped and dedicated as represented on this plat.

Dewitt Development, LLC, does further certify this plat is required by s.236.10 or s.236.12 to be submitted to the following for approval or objection:

- Village of Harrison Planning and Zoning Committee
Calumet County Resource Department
Department of Administration
Department of Transportation

IN WITNESS WHEREOF, the said Dewitt Development, LLC, has caused these presents to

be signed by its authorized representatives, located at _____, Wisconsin

this ____ day of _____, 20____.

In the Presence of: Dewitt Development, LLC

Scott DeWitt, President

State of Wisconsin)
)ss
_____ County)

Personally came before me this ____ day of _____, 20____, the above named to me known to be the persons who executed the foregoing instrument and acknowledged the same.

My commission expires: _____
Notary Public, Wisconsin

Village Board Approval Certificate

Resolved, that the plat of Harrison Heights 2 in the Village of Harrison, Calumet County, Dewitt Development, LLC, is hereby approved by the Village Board of the Village of Harrison.

Chairman _____ Date _____

I hereby certify that the foregoing is a copy of a resolution adopted by the Village Board of the Village of Harrison

Clerk _____ Date _____

Utility Easement Provisions

An easement for electric, natural gas, public utilities and communications service is hereby granted by

Dewitt Development, LLC, grantor

to:

Wisconsin Electric Power Company and Wisconsin Gas, LLC, Wisconsin corporations doing business as We Energies, Grantee, SBC, Grantee, Darboy Sanitary District, Grantee Village of Harrison, Grantee TDS Metrocom, Grantee and Time Warner Cable, Grantee

their respective successors and assigns, to construct, install, operate, repair, maintain and replace from time to time, facilities used in connection with overhead and underground transmission and distribution of electricity and electric energy, natural gas, telephone and cable TV facilities for such purposes as the same is now or may hereafter be used, all in, over, under, across, along and upon the property shown within those areas on the plat designated as "Utility Easement Areas" and the property designated on the plat for streets and alleys, whether public or private, together with the right to install service connections upon, across within and beneath the surface of each lot to serve improvements, thereon, or on adjacent lots; also the right to trim or cut down trees, brush and roots as may be reasonably required incident to the rights herein given, and the right to enter upon the subdivided property for all such purposes. The Grantees agree to restore or cause to have restored, the property, as nearly as is reasonably possible, to the condition existing prior to such entry by the Grantees or their agents. This restoration, however, does not apply to the initial installation of said underground and/or above ground electric facilities, natural gas facilities, or telephone and cable TV facilities or to any trees, brush or roots which may be removed at any time pursuant to the rights herein granted. Structures shall not be placed over Grantees' facilities or in, upon or over the property within the lines marked "Utility Easement Areas" without the prior written consent of Grantees. After installation of any such facilities, the grade of the subdivided property shall not be altered by more than four inches without written consent of grantees.

The grant of easement shall be binding upon and inure to the benefit of the heirs, successors and assigns of all parties hereto.

Dewitt Development, LLC

Scott DeWitt, Managing Member _____ Date _____

Mortgagee's Certificate

Nicolet Nation Bank, a corporation duly organized and existing under and by virtue of the laws of the State of Wisconsin, Mortgagee of the above described land, does hereby consent to the surveying, dividing, mapping and dedication of the land described on this plat, and does hereby consent to the above certificate of Dewitt Development, LLC, owner.

IN WITNESS WHEREOF, the said Nicolet Nation Bank has caused these presents to be signed by

_____, its President, and countersigned by

_____, its Secretary or Cashier, at _____, Wisconsin, and its corporate seal

to be hereunto affixed this ____ day of _____, 20____.

President _____ Date _____

Secretary or Cashier _____ Date _____

State of Wisconsin)

_____ County) ss

Personally came before me this ____ day of _____, 20____, _____, President,

and _____, Secretary (cashier) of the above named corporation, to me known to be the persons who executed the foregoing instrument, and to me known to be such President and Secretary (cashier) of said corporation, and acknowledged that they executed the foregoing instrument as such officers as the deed of said corporation, by its authority.

My Commission Expires _____

Notary Public, Wisconsin

Treasurer's Certificate

We, being the duly elected, qualified and acting Treasurer's of the Village of Harrison and Calumet County, do hereby certify that in accordance with the records in our office, there are no unredeemed tax sales and unpaid taxes, or special assessments on and of the land included in this plat.

Village Treasurer _____ Date _____

County Treasurer _____ Date _____

Village Notes:

- 1. There are Ordinance regulations that have been passed by the Village of Harrison requiring the maintenance of lot drainage plans on a permanent basis. Said regulations have been recorded as Document Number 331468, Calumet County Register of Deeds and shall apply to all subdivisions approved after the 1st day of May, 2001. Said recording shall have the effect of deed restrictions requiring that permanent laws be established in conformance with the lot drainage plan elevations within one year after initial occupancy of any house. Failure to maintain grades in accordance with storm water or drainage plans shall entitle the Village or representative thereof to direct compliance or upon failure of compliance to make said lands come into compliance. The costs and expenses shall be entered on the tax roll as a special charge against the property and collected with other taxes levied thereon.
2. Building permits and occupancy permits may be withheld for non-compliance with the plat or Village Ordinances relating to drainage and storm water management.
3. In the event that the surface drainage facilities required by the plat which are applicable to the lot for which a building permit has been applied, have not been complied with, the building inspector may withhold building permits required by the building code.
4. In the event that, after construction there is a failure to establish surface grades in accordance with the subdivision surface water plan, the building inspector may withhold the occupancy permit required by the building code.
5. Maintenance of all drainageways and associated structures within the plat or serving the plat is the sole responsibility of the Owner/Subdivider until acceptance by or dedication to the Village of Harrison. After said acceptance please refer to Note 9 for responsibility of owner for maintenance, restrictions and related cost of all Drainage Easements.
6. Where the final drainage plan requires a storm inlet to adequately drain the rear portion of lots within blocks of the plat, the subdivider shall incorporate restrictive covenants in the deeds for the aforementioned lots that, "The respective lot owners shall be responsible for maintaining a clear grate on any storm drainage inlets on their lot."
7. Upon failure of the Owner/Subdivider to perform maintenance of the drainageways and associated structures, the Village of Harrison retains the right to perform maintenance and/or repairs. The payments of said maintenance and/or repairs shall be equally assessed among the property owners of the plat.
8. Pursuant to the Village of Harrison Subdivision Improvements Policy, the developer and/or owner shall comply with the approved Drainage and Grading Plan as submitted to the Village of Harrison.
9. Drainage Easement Notes:
1) All lands within areas labeled "Drainage Easement" are reserved for stormwater collection, conveyance, treatment, or infiltration. No buildings, fences, parking areas and landscaping or other structures are allowed in these areas. No grading or filling is allowed in these areas that may interrupt stormwater flows in any way.
2) Any improvement shall be allowed only by special exemption of the Village of Harrison Planner.
3) Landscaping/plantings shall be restricted to ground cover.
4) If Drainage Easements are not adequately maintained, the Village of Harrison may levy the cost and expenses of such inspections, maintenance, and/or repair related actions as a special charge against the property and collected as such in accordance with the procedures under Wis. Stats. 66.0627.
10. There shall be no lower exposed openings on lots containing a drainage easement. Any egress windows will require a window well with a top elevation consistent with the top of the house foundation elevation.

This Final Plat is contained wholly within the property described in the following recorded instruments:

Table with 3 columns: the property owner of record, Recording Information, Parcel Number(s). Rows include Dewitt Development, LLC, Doc No. 571164, 46190 (Lot 1 CSM 3976), etc.

Department of Administration stamp: There are no objections to this plat with respect to Secs. 236.15, 236.16, 236.20 and 236.21(1) and (2), Wis. Stats. as provided by s. 236.12, Wis. Stats. Certified _____, 20____

Revision Date: Nov 06, 2023
File: 6934Final2.dwg
Date: 11/06/2023
Drafted By: Jim
Sheet: 2 of 2



DAVEL ENGINEERING & ENVIRONMENTAL, INC.
Civil Engineers and Land Surveyors
1164 Province Terrace, Menasha, WI 54952
Ph: 920-991-1866 Fax: 920-441-0804
www.davel.pro

VILLAGE BOARD MEETING

VILLAGE OF HARRISON

From:

Chad Pelishek, Assistant Village Manager

Meeting Date:

November 28, 2023

Title:

Ordinance V23-12 amending Article 115 Design Standards, Section 115-30(b)(2)(b), Design of Site for the Village of Harrison, Wisconsin. (Referring to Private Streets and Utilities in Condominium Subdivisions.)

Issue:

Should the Village Board amend Section 115-30(b)(2)(b) of the Harrison Municipal Code to allow private streets and private utilities in condominium developments?

Background and Additional Information:

Village Staff including the Village Engineer and Harrison Utilities have met multiple times to review private streets/private utilities as many municipalities across Wisconsin are having to deal with this. Current Village ordinance does not allow private streets. However, after numerous discussions, the decision was made to allow private streets and private utilities in condominium developments only since there is a condo association overseeing the development.

The staff group is recommending the ordinance revision and two additional documents attached to the amendment. 1) a private service line agreement to allow Harrison Utilities access to maintain if needed and 2) Stormwater management agreement outlining the requirements of the private development.

The proposed ordinance changes was reviewed by the Village Attorney.

Budget Impacts:

None

Recommended Action:

Motion to approve Ordinance V23-12 amending Article 115 Design Standards, Section 115-30(b)(2)(b), Design of Site for the Village of Harrison, Wisconsin to allow for private streets and private utilities in some situations of a condominium development.

Attachments:

- [V23-12 Ordinance for Private Streets Allowed in Condominium Developments.pdf](#)

ORDINANCE V23-_____

**AN ORDINANCE AMENDING ARTICLE 115 DESIGN STANDARDS, SECTION 115-30 (b)(2)(b)
DESIGN OF SITE FOR THE VILLAGE OF HARRISON, WISCONSIN**

WHEREAS, to provide developers of condominium developments greater flexibility in design to take the greatest advantage of natural land, trees, historical and other features; and

WHEREAS, more efficient use of land may result in reduction in development and maintenance costs of street and utility systems for Village of Harrison residents; and

WHEREAS, the Village desires to clarify when private streets would be allowed in new developments in the Village of Harrison; and

NOW THEREFORE BE IT RESOLVED, the Village Board of the Village of Harrison, Wisconsin, does hereby adopt the following ordinance revisions.

115-53, Design of Site (b) Streets, (2) Design, j. "Private Streets. New private streets shall not be permitted" shall be revised as follows:

Private Streets. New private streets shall not be permitted "unless in a condominium development."

Private streets shall be permitted in condominium developments built in RS-1 Zoning, subject to the following conditions:

1. Private Street. In the Village of Harrison, a private street is designed for motor vehicle usage which is completely contained within a condominium development, certified survey map, planned unit development, or other similar recorded development, which recording document establishes the right-of-way of the street and that said street has at least one connection to a public roadway which is under the ownership, supervision or control of the Village of Harrison, County of Calumet/Outagamie or State of Wisconsin.
2. Approval by the Village Board of any private street in the Village of Harrison shall not be considered a waiver of any right or obligation of the Village Board of the Village of Harrison pursuant to the Wisconsin State Statutes, and specifically the Village of Harrison has reserved all rights to lay out, widen, alter, discontinue or refuse to establish roads/highways/streets, pursuant to Ch. 61, Wis Stats.
3. A private street shall be legally described in the document setting forth development, and shall be permanently marked on a map, plat, survey, or other recording device.
4. All streets, whether designation as private streets or not, shall be constructed in conformity with all the specifications of the Village of Harrison Code of Ordinances,

and shall further comply with all applicable specifications which establish specifications for public roadways, including the setback lines and other requirements of the ordinance of the Village of Harrison and Counties of Calumet/Outagamie, and laws of the State of Wisconsin. All water system and sanitary sewer improvements shall further comply with the applicable specifications of Harrison Utilities or Darboy Joint Sanitary District.

5. Easements shall be contained in the recording devices reserving and allowing the use of designated private street rights-of-way of public utilities, including sanitary districts, sewer and water, stormwater drainage, natural gas, electricity, telephone, and all other utilities having authority to use public rights-of-ways in the Village of Harrison.
6. The recording device used for the establishment of a private street under this section shall contain restrictive covenants which shall run with the land to the benefit of the Village of Harrison and as a part of those restrictive covenants shall establish an association of the owners and/or residents of the development and shall at all times maintain on file with the Village of Harrison a registered agent for the purpose of notices from the Village of Harrison to the owners'/residents' association where notice is required under this section.
7. The recorded restrictive covenants shall allow the Village of Harrison to enter upon the roadway for inspections, for maintenance, for rebuilding, repairs, plowing, or all other necessary work upon said private roadways in the event that the appropriate notice is given under this section to the owners'/residents' association.
8. The Village of Harrison shall have the authority to repair, rebuild, plow, or do any other necessary work on said roadways when the Village Board or Village Manager or the Village President determines that it is in the public interest or in the interest of the health and safety of any resident and/or owner of the property contained in the development to expend funds of the Village of Harrison to do any work upon said roadways in relationship to repairs, maintenance, plowing, or other improvement in order to remove the detriment to public interest or health and safety of residents or owners.
9. The covenants shall recite that the Village of Harrison, by its acceptance of this private roadway, covenants and easement shall not be required to accept as a public roadway the designated rights-of-way in response to a petition by residents pursuant to Wisconsin Statutes. Acceptance or approval of the private roadway under this section shall not constitute a waiver of the covenants nor require the Village Board to accept said roadways.
10. Establishment of private roadways under this procedure shall not entitle any owner/resident adjacent to said roadways to any of the following:

11. There shall be no reduction in Village tax relative to street maintenance and plowing, and ownership subject to these covenants shall be considered a waiver of any consideration thereof.
12. Ownership shall further constitute a waiver to apply for a reduction in assessments on the grounds that said development is differentiated by bordering upon a private roadway as opposed to a public roadway and shall constitute a waiver of the establishment of any streetlighting facilities on said roadways which shall be the responsibility of the persons adjacent to the private roadway.
13. The Village of Harrison shall reserve under the covenants and hereby reserves by ordinance its authority to enforce all of the laws of the State of Wisconsin, the ordinances of the Village of Harrison and the ordinances of the County of Calumet/Outagamie regarding regulation of traffic and motor vehicles, pedestrians, and other usage of said roadways, but this subsection and condition shall not require the Village of Harrison to patrol said roadways, as any requirements for the purposes of regular patrol on said roadway shall be the responsibilities of the owners/residents, and in the event the Village of Harrison for any reason provides such patrol or police services within said area, special assessments may be levied against said property pursuant to the restrictive covenants established hereunder.
14. The establishment of a private street shall authorize the owners'/residents' association, acting on behalf of the owners and residents, to regulate the traffic on said roadways contained within the private roadway system.
15. The private roadway shall at all times be considered the private property belonging to the owners'/residents' association, and the authority of said association shall be equivalent to person's rights in the State of Wisconsin as it relates to any parcel of privately owned property.
16. The owners' association, however, shall be required to honor the exemptions set forth in the restrictive covenants for public officials and, in addition to the public officials designated above, shall be required to allow public official access for the purpose of assessments, inspections for public health and safety, and all other necessary inspections related to the public interest. The authority to regulate traffic on said roadways does not include the prevention of access of any police officers, Fire Department officials, firefighters, or any other similar public official from access to said property for the purpose of protection and for health and safety of the residents adjacent to the private roadway.
17. The restrictive covenants and conditions required in any subsection of this section shall be recorded so that they are applicable to all parcels or lots of land having frontage on the private street and shall contain language to allow the Village of Harrison to assess on a pro rata front-foot basis any costs incurred in conjunction with said private roadways in the event that the Village of Harrison, at any time in the

future, incurs any cost directly connected with the private roadway. The covenants shall set forth a waiver of statutory special assessment requirements so that the special assessment for any cost may be applied directly to the tax billing as a special assessment.

18. The applicant/owners of association/homeowner's association of the proposed private street and lots thereon shall provide the Village of Harrison with a recordable private service agreement between the owners of the private street, Village of Harrison/Harrison Utilities/Darboy Joint Sanitary District and any other parties having any interest therein or lots thereon to the Village of Harrison.
19. The applicant for a private street approval, all owners of the private street and lots thereon, all those who utilize the private street, and all persons securing a building permit to construct a building served by the private street all agree that, by applying for and securing a permit for a building that utilizes the private street and by utilizing the private street, they shall indemnify and will save and hold the Township (as well as its officers, agents, and employees) harmless for, from, and against any and all claims, causes of action, costs, and damages for personal injury and/or property damage arising out of the use of the private street or the failure to properly construct, maintain, repair, and/or install the private street or any appurtenances thereto. The owner/applicant shall inset the above language into the maintenance agreement (or other approved document) and it shall run with the land and shall bind all purchasers of properties benefited by the private street.
20. All maintenance/private service agreements for private streets shall be submitted to the Village board for review and approval prior to the maintenance agreement being recorded and prior to any construction on a private street.

EFFECT. This ordinance shall be in force and effect upon passage and publication as provided by law.

Adopted by the Village Board of the Village of Harrison, Wisconsin this 28th day of November, 2023.

Allison Blackmer, Village President

Attest: Vicki Tessen, Village Clerk

VILLAGE BOARD MEETING

VILLAGE OF HARRISON

From:

Chad Pelishek, Assistant Village Manager

Meeting Date:

November 28, 2023

Title:

Stormwater Management Agreement for Northshore Villas Condominium Development.

Issue:

Should the Village Board authorize Northshore Villas to utilize the Village owned storm water management pond?

Background and Additional Information:

Northshore Villas Condominium development plans to overland flow 3.0 acres of the 4.2 acre site to an existing Village owned Stormwater Pond south of the proposed development. McMahon as approved the erosion control plan and stormwater management plan, however has noted that the Village owned pond may need some dredging and maintenance in future and recommends that the developer share in the cost of the maintenance.

Since the development will have a private road and private utilities, Village staff is recommending the execution of the stormwater management agreement that provides the requirements for each party as well as provides direction for future cost-sharing when the Village needs to complete maintenance on the pond. The Village Engineer is also recommending the developer provide ingress/egress for the Village to access the pond.

Budget Impacts:

None

Recommended Action:

Motion to approve the Stormwater Management Agreement for Northshore Villas Condominium Development.

Attachments:

- [2023-11-13_Northshore Villas Review 3.pdf](#)
- [SW Maintenance Agreement Template Northshore Villas.docx](#)



November 13, 2023

Mr. Chad Pelishek, Assistant Village Manager
Village of Harrison
W5298 Hwy 114
Menasha, WI 54952

Re: Village of Harrison
Northshore Villas Condominium Review #3
McM. No. H0006-09-23-00485.03

Dear Chad:

I have reviewed the revised drainage and erosion control plan and stormwater management plan for the Northshore Villas Condominium development, located at the southwest corner of Old Hwy Rd and North Shore Rd. The information was received on November 6, 2023.

PROJECT DESCRIPTION

The proposed project is a new development site that includes ten single family condominiums along with a private drive. The development results in approximately 2.7 acres of disturbed land and approximately 1.2 acres of impervious area.

UTILITY & STREET CONSTRUCTION PLAN

Storm Sewer and Street Comments are as follows:

- The roadway and storm sewer appear to be private for the proposed development. The proposed roadway does not meet current Village Standards and is not located within an easement or right-of-way; it appears there is a utility easement for the length of the roadway.

EROSION CONTROL PLAN

The erosion control plan consists of using temporary practices such as trackout control, perimeter sediment control (silt fence), ditch checks, inlet protection, and erosion mat to prevent sediment from leaving the site.

STORMWATER MANAGEMENT PLAN

The stormwater management plan consists of using storm sewer, swales, and general overland flow to direct approximately 3.0 acres of the 4.2-acre site to an existing Village Stormwater Pond system south of the development. It is not clear whether there are two separate ponds or a single pond with a narrow connection. The stormwater pond system discharges to a culvert and ditch that conveys runoff north into the Old Hwy Rd south ditch then west to a navigable waterway that eventually drains into Lake Winnebago. The stormwater pond system will provide Total Suspended Solids (TSS) reduction, and peak discharge attenuation for the development. The remaining 1.2 acres of the site are uncaptured and

discharges west to the ditch. No protective area or fueling and vehicle maintenance areas are anticipated in the project area.

ANALYSIS

McMahon Associates, Inc. (McMAHON) has the following comments about the erosion control plan:

- The erosion control plan utilizes acceptable Wisconsin Department of Natural Resources (DNR) Conservation Practice Standards to prevent construction sediment from leaving the site.
- RUSLE2 calculations were submitted for the project. The calculations show that the project meets the 5 tons/acre/year soil loss requirement.

McMAHON has the following comments about the stormwater management plan:

- Peak Discharge
 - ▶ Per the Stormwater Management Plan, it is assumed that the entire existing North Shore Woods subdivision and pond parcel (approximately 15.6 acres) south of the proposed site drains into the pond. A review of the Calumet County 2018 LiDAR contours indicates that approximately 3.86 acres of the North Shore Woods Subdivision and grass area surrounding the stormwater pond area are uncaptured. However, to be conservative with the stormwater pond performance, McMAHON agrees with the stormwater management plan that the full North Shore Woods subdivision can be modeled as being brought into the pond.
 - ▶ A post-development peak flow check model was developed based upon the proposed plans and Calumet County contours. The peak flow check model indicates post-development peak flows are lower than the pre-development peak flows, meeting Village requirements.
- Water Quality
 - ▶ A water quality check model was developed based upon the proposed plans. The water quality check model indicates the proposed TSS and TP reductions meet the Village's water quality requirements.
 - ▶ It is recommended that the pond be checked to verify compliance with Wisconsin DNR 1001 Technical Standard. This includes the following:
 - A minimum 3-foot water depth below the safety shelf and a 2-foot depth area below the water depth available for sediment storage. The sediment storage depth can be reduced to 0.5 feet if shown that less than 0.5 feet of sediment accumulation occurs over a 20-year period.
- Infiltration
 - ▶ A Site Evaluation for Stormwater Infiltration report was submitted as part of the application. McMAHON agrees that the site is poorly suited for infiltration due to infiltration rates of less than 0.6 inches per hour. This satisfies an exemption provided in Section 113-134(c)(4)h.1.
- Protective Areas
 - ▶ Protective area setbacks due to the presence of wetlands are shown on the plans. Impervious surfaces do not appear to be located within protective area setbacks.
- Additional Stormwater Comments
 - ▶ Whether by an agreement or easement, the Village should be granted access to the pond from the proposed private road for maintenance purposes.

- ▶ Since this stormwater pond is owned and operated by the Village of Harrison, the developer should be requesting permission to use the pond to meet the Village's stormwater requirements. Further, the developer needs to make modifications to the pond to meet the Village's stormwater requirements.

CONCLUSIONS

It is our recommendation to allow the developer to make the proposed pond modifications, as shown on the plan dated November 3, 2023, to meet the Village of Harrison's stormwater requirements for both water quality and peak flow control.

A maintenance agreement was submitted with the Stormwater Management Plan. It is recommended the Village and developer execute and record the maintenance agreement if it has not been done already.

It is noted this site may also require a Wisconsin DNR permit. This review is only for Village of Harrison requirements.

If you have any questions concerning this, please call me.

Respectfully,

McMahon Associates, Inc.



Lee R. Reibold, P.E.
Associate / Municipal & Civil Engineer



Joe Hoechst, P.E.
Municipal & Water Resources Engineer

LRR:JDH:mck

**STORMWATER MANAGEMENT SYSTEM
MAINTENANCE AGREEMENT**

THIS AGREEMENT, made and entered into this _____
day of _____, 20__, by and between

Northshore Villas Condominium Association, hereinafter
called the “Owner” and the “Village of Harrison”.

WITNESSETH:

WHEREAS, the Owner is the owner of the following described lands situated in the
Village of Harrison, Calumet County, State of Wisconsin, to-wit:

*All of Lot 1, Lot 2 and Lot 3 of the Certified Survey Map 3893, located in the of the
Northeast ¼ of the Southwest ¼ of Section 15, Township 20 North, Range 18 East,
Village of Harrison, Calumet County, Wisconsin.*

Hereinafter called the “Property”.

WHEREAS, the Owner is developing the Property; and

WHEREAS, the Site Plan identified as, Northshore Villas hereinafter called the

Recording Area Name and Return Address

Parcel Identification Number

“Plan”, which is expressly made a part of hereof, as approved or to be approved by the Village of Harrison, provides for on-site stormwater management practices within the confines of the Property; and

WHEREAS, the Village of Harrison and the Owner, its successors and assigns, including any homeowners association, agree that the health, safety and welfare of the residents of the Village of Harrison, require that the on-site stormwater management practices as defined in Wisconsin Administrative Code NR 151, and the Village of Harrison, Post-Construction Stormwater Management Ordinance be constructed and maintained in perpetuity on the Property; and

WHEREAS, the Village of Harrison requires that on-site stormwater management practices as shown on the Plan be constructed and adequately maintained by the Owner, its successors and assigns, including any homeowners association.

NOW, THEREFORE, in consideration of the foregoing premises, the mutual covenants contained herein, and the following terms and conditions, the parties hereto agree as follows:

1. The Owner, its successors and assigns, in accordance with the plans and specifications identified in the Plan, shall be responsible for the on-site stormwater management practices.
2. The Owner, its successors and assigns, including any homeowners association, shall adequately maintain the stormwater management practices, including, but not limited to, all pipes and channels built to convey storm water to and from the facility, as well as all structures, improvements and vegetation provided to control the quantity and quality of the stormwater. Adequate maintenance is herein defined as maintaining the stormwater management facilities in good working condition so that these facilities are performing their design functions and are in accordance with the Operation and Maintenance Plan attached to this agreement as **Exhibit A** and by this reference made a part hereof.
3. The Owner, its successors and assigns, shall regularly inspect the stormwater management practices as often as set forth in the Operation and Maintenance Report. The standard Operation and Maintenance Report will be provided by the Village of Harrison and shall be used for the purpose of the regular inspections of the stormwater management practices. The Owner, successors and assigns shall keep the Operation and Maintenance Reports from past inspections as well as a log of maintenance activity indicating the date and type of maintenance completed and provide to the Village of Harrison annually. The reports and maintenance log shall be made available to the Village of Harrison for review upon request. The purpose of the inspections is to assure safe and proper functioning of the facilities. The inspections shall cover all facilities including, but not limited to, conveyance

systems, berms, outlet structures, pond areas and access roads. Deficiencies shall be noted in the Operation and Maintenance Report.

4. The Owner, its successors and assigns, hereby grants permission to the Village of Harrison, its authorized agents and employees, to enter upon the Property and to inspect the stormwater management practices whenever the Village of Harrison deems necessary. The purpose of inspection is to investigate reported deficiencies, to respond to citizen complaints, or verify maintenance of on-site stormwater management practices. The Village of Harrison shall provide the Owner, its successors and assigns, copies of the inspection findings and a directive to commence with the repairs if necessary. Corrective actions shall be taken within a reasonable time frame as established by the Village of Harrison Engineer.
5. If the Owner, its successors and assigns, fails to maintain the stormwater management practices in good working condition acceptable to the Village of Harrison and does not perform the required corrective actions in the specified time, the Village of Harrison may:
 - a. Issue a citation to the Owner, its successors and assigns. The penalty for violation of this section shall be according to fees established in Village of Harrison's Ordinance for each offense, together with the costs of prosecution. Each day that the violation exists shall constitute a separate offense, and
 - b. Perform the corrective actions identified in the inspection report and assess the Owner, its successors and assigns for the cost of such work. The cost of such work shall be specially charged against the Property pursuant to Wisconsin Statutes Section 66.0627. If the facilities are located on an outlot owned collectively by a homeowners association, the Village of Harrison may assess each member of the homeowners association according to the ownership interest in the facilities located on the Property. It is expressly understood and agreed that the Village of Harrison is under no obligation to routinely maintain or repair said stormwater management practices, and in no event shall this Agreement be construed to impose any such obligation on the Village of Harrison.
6. The Owner, its successors and assigns, shall perform the work necessary to keep these facilities in good working order as appropriate. In the event a maintenance schedule for the stormwater management practices (including sediment removal) is outlined in the Operation and Maintenance Plan, the schedule shall be followed. In the event that the Village owned detention pond needs to be dredged or maintained the Owner agrees to a cost share, amount to be determined once construction bids are obtained.
7. This Maintenance Agreement may be modified by mutual agreement of the parties. The modification date shall be the date the modified Maintenance Agreement is recorded with the Calumet County Register of Deeds as a property deed restriction so that the modified agreement is binding upon all

subsequent owners of the land served by the stormwater management practices. Responsible party, as used in this paragraph, shall mean the owner, its successors or assigns, who is responsible for the Maintenance Agreement at the time of any amendment.

8. In the event the Village of Harrison pursuant to this Agreement, performs the work of any nature, or expends any funds in performance of said work for labor, use of equipment, supplies, materials, and the like, the Owner, its successors and assigns, shall reimburse the Village of Harrison upon demand, within thirty (30) days of receipt thereof for all actual costs incurred by the Village of Harrison hereunder. Failure of the Owner to make payment within thirty (30) days shall result in the amount being added to the tax roll as a special charge pursuant to paragraph 5(b), where applicable.
9. This Agreement imposes no liability of any kind whatsoever on the Village of Harrison and the Owner agrees to hold the Village of Harrison harmless from any liability in the event the stormwater management practices fail to operate properly.
10. This Agreement shall be attached as an exhibit to any document which creates a homeowners association that is responsible for maintenance of the stormwater management practices and be recorded at the Calumet County Register of Deeds Office, and shall constitute a covenant running with the land, and shall be binding on the Owner, its administrators, executors, assigns, heirs and any other successors in interests, including any homeowners association. The Owner shall provide the Village of Harrison with a copy of any document, which creates a homeowners association that is responsible for the stormwater management practices.
11. Upon receipt of the executed Maintenance Agreement, the Owner shall record said agreement in the Calumet County Office of the Register of Deeds.

[SIGNATURES BEGIN ON THE FOLLOWING PAGE]

Village of Harrison

By: _____

Printed Name: _____

Printed Title: _____

By: _____

Printed Name: _____

Printed Title: _____

STATE OF WISCONSIN)
 : ss.
CALUMET COUNTY)

The foregoing Agreement was acknowledged before me this _____ day of
_____, 20____.

Printed Name of Notary

Notary Public, State of Wisconsin
My commission is/expires _____

VILLAGE BOARD MEETING

VILLAGE OF HARRISON

From:

Chad Pelishek, Assistant Village Manager

Meeting Date:

November 28, 2023

Title:

Private Water & Sewer Service Maintenance Agreement between North Shore Villas and Harrison Utilities.

Issue:

Should the Village Board approve a private water and sewer service line agreement for Northshore Villas?

Background and Additional Information:

This agreement has not been reviewed by the Village Attorney; however it will be substantially similar to the attached agreement.

In the past these agreements have been used for private developments like an apartment development to provide access to the utilities for necessary maintenance and possible repair. Prior to this they were just executed by the customer and not approved by the Village Board. Staff is recommending the Village Board review and consider approval to allow public documenting of the agreement and to be aware of areas where private utilities will be installed.

One thing the board should consider is whether the agreement should have language to charge the development for any repairs that the utility needs to complete, because the condominium did not respond timely.

Budget Impacts:

None

Recommended Action:

Approve the Private Water & Sewer Service Maintenance Agreement between North Shore Villas and Harrison Utilities as presented.

Attachments:

- [Water and Sanitary Sewer Maintenance Agreement - Northshore Villas .pdf](#)

**WATER AND SANITARY SEWER PRIVATE
SERVICE AGREEMENT**

THIS AGREEMENT, made and entered into this _____
day of _____, 20__, by and between

Northshore Villas Condominium Association, hereinafter
called the “Owner” and the Village of Harrison DBA
Harrison Utilities, hereinafter called “Harrison Utilities”.

Recording Area Name and Return Address

Parcel Identification Number

WITNESSETH:

WHEREAS, the Owner is the owner of the following described lands situated in the
Village of Harrison, Calumet County, State of Wisconsin, to-wit:

*All of Lot 1, Lot 2 and Lot 3 of the Certified Survey Map 3893, located in the of the
Northeast ¼ of the Southwest ¼ of Section 15, Township 20 North, Range 18 East,
Village of Harrison, Calumet County, Wisconsin.*

Hereinafter called the “Property”.

WHEREAS, the Owner is developing the Property; and

WHEREAS, the **Site Plan** identified as, Northshore Villas hereinafter called the

“Plan”, which is expressly made a part of hereof, as approved or to be approved by the Harrison Utilities, provides for water and sanitary sewer management practices within the confines of the Property; and

WHEREAS, Harrison Utilities and the Owner, its successors and assigns, including any homeowners association, agree that the health, safety and welfare of the residents of the Village of Harrison, require that the drinking water supply be protected from contamination or pollution, which could result from improper private water distribution system construction, configuration, and/or maintenance as well as that efficient and sound sanitary sewer system services be provided.

WHEREAS, Harrison Utilities requires that water and sanitary sewer infrastructure, as shown on the approved plans, be constructed and adequately maintained by the Owner, its successors and assigns, including any homeowners association.

NOW, THEREFORE, in consideration of the foregoing premises, the mutual covenants contained herein, and the following terms and conditions, the parties hereto agree as follows:

1. The Owner, its successors and assigns, in accordance with the plans and specifications identified in the Plan, shall be responsible for the on-site water and sanitary sewer management practices.
2. The Owner, its successors and assigns, including any homeowners association, shall not make any direct connection between the public drinking water supply and a potential source of contamination. Potential sources of contamination shall be isolated from the public water system by an air-gap or an appropriate backflow prevention device.
3. The Owner, its successors and assigns, including any homeowners association, shall not make any connection which allows water to be returned to the public drinking water supply.
4. The Owner, its successors and assigns, including any homeowners association, shall not make any cross-connection between the public drinking water supply and a private water system. These potential threats to the public drinking water supply shall be eliminated at the service connection by the installation of an air gap or a reduced pressure-zone backflow prevention device.
5. The Owner, its successors and assigns, including any homeowners association, shall allow the private water distribution system to be inspected for possible cross-connections and other potential contamination hazards. These inspections shall be conducted by Harrison Utilities or its designated agent prior to any of the following:
 - i. Initiating a new water service; or
 - ii. On a future routine scheduled visit; or

- iii. If there is reason to believe that cross-connections or other potential contamination hazards exist; or
 - iv. After any major changes to the private water distribution facilities.
6. Harrison Utilities shall notify the Owner in writing of any cross-connection or other potential contamination hazard, which has been identified during the initial inspection or periodic re-inspection.
7. The Owner, its successors and assigns, including any homeowners association, shall immediately remove or adequately isolate any potential cross-connections or other potential contamination hazards on the premises.
8. The Owner, its successors and assigns, including any homeowners association, shall, at their expense, properly install, test, and maintain any backflow prevention device required by Harrison Utilities. Copies of all testing and maintenance records shall be provided to Harrison Utilities.
9. The Owner, its successors and assigns, including any homeowners association, shall allow Harrison Utilities to perform flushing of any hydrants connection to the system annually or at the discretion of the Harrison Utilities. Any repairs or maintenance requirements observed while said maintenance is performed shall be the sole responsibility of the Owner and mitigated within a timeframe agreed upon by the Owner and Harrison Utilities. Harrison Utilities reserves the right to witness and/or require documentation of the work performed.
10. The Owner, its successors and assigns, including any homeowners association, shall allow Harrison Utilities to perform inspections of the sanitary sewer service system on a routine basis as determined by the Harrison Utilities; any deficiencies observed in the system will be the liability of the Owner and are to be repaired and or corrected within a timeframe agreed upon by the Owner and Harrison Utilities. Harrison Utilities reserves the right to witness and/or require documentation of the work performed.
11. This Private Service Agreement may be modified by mutual agreement of the parties. The modification date shall be the date the modified Private Service Agreement is recorded with the Calumet County Register of Deeds as a property deed restriction so that the modified agreement is binding upon all subsequent owners of the land served by the water and sanitary sewer system. Responsible party, as used in this paragraph, shall mean the owner, its successors or assigns, who is responsible for the Private Service Agreement at the time of any amendment.
12. In the event the Harrison Utilities pursuant to this Agreement, performs the work of any nature, or expends any funds in

performance of said work for labor, use of equipment, supplies, materials, and the like, the Owner, its successors and assigns, shall reimburse the Harrison Utilities upon demand, within thirty (30) days of receipt thereof for all actual costs incurred by the Harrison Utilities hereunder. Failure of the Owner to make payment within thirty (30) days shall result in the amount being added to the tax roll as a special charge pursuant to **TBD**, where applicable.

13. This Agreement imposes no liability of any kind whatsoever on the Harrison Utilities and the Owner agrees to hold Harrison Utilities harmless from any liability in the event the water and sanitary sewer system fail to operate properly.
14. This Agreement shall be attached as an exhibit to any document which creates a homeowners association that is responsible for maintenance of the water and sanitary sewer system and be recorded at the Calumet County Register of Deeds Office, and shall constitute a covenant running with the land, and shall be binding on the Owner, its administrators, executors, assigns, heirs and any other successors in interests, including any homeowners association. The Owner shall provide the Harrison Utilities with a copy of any document, which creates a homeowners association that is responsible for the water and sanitary sewer system.
15. Upon receipt of the executed Private Service Agreement, the Owner shall record said agreement in the Calumet County Office of the Register of Deeds.

[SIGNATURES BEGIN ON THE FOLLOWING PAGE]

Village of Harrison

By: _____

Printed Name: _____

Printed Title: _____

By: _____

Printed Name: _____

Printed Title: _____

STATE OF WISCONSIN)
 : ss.
CALUMET COUNTY)

The foregoing Agreement was acknowledged before me this _____ day of _____, 20____.

Printed Name of Notary

Notary Public, State of Wisconsin

My commission is/expires _____

DRAFT

VILLAGE BOARD MEETING

VILLAGE OF HARRISON

From:

Chad Pelishek, Assistant Village Manager

Meeting Date:

November 28, 2023

Title:

Development Agreement for Harrison Heights - Phase 2.

Issue:

Should the Village Board approve the Developer's Agreement for Harrison Heights 2?

Background and Additional Information:

The applicant is proposing a 46-lot and 1-outlot (Outlot 2) final plat for the second phase of Harrison Heights subdivision. The second phase is located south of Edgewood Dr and east of Noe Rd. The property is currently zoned Single-Family Residential (Suburban) [RS-1].

The Developer's Agreement outlines the Village and Subdivider responsibilities. Language was added to handle oversizing of the pipe and over excavation that will be paid for by the Village/Harrison Utilities.

The agreement was reviewed by the Village Attorney, engineers and staff.

Budget Impacts:

None

Recommended Action:

Motion to approve the Development Agreement for Harrison Heights - Phase 2

Attachments:

- [Harrison Heights Developers Agreement 2.pdf](#)

**SUBDIVISION DEVELOPMENT AGREEMENT
HARRISON HEIGHTS 2**

THIS AGREEMENT, made this ____ day of _____, 20____, between DeWitt Development, LLC, hereinafter called “Subdivider”, and the Village of Harrison, a municipal corporation of the State of Wisconsin, located in Calumet and Outagamie counties, hereinafter called “Village”.

WHEREAS, Subdivider is the owner of approximately 23.7916-acres of land in the Village, said land being referred to as “Harrison Heights 2” described as:

Harrison Heights 2 being Part of Lot 1 of and Lot 4 of Certified Survey Map 3976, being part of the Northwest ¼ of Northeast ¼ and unplatted lands of Northeast ¼ of Northeast ¼ all in Section 15, Township 20 North, Range 18 East, Village of Harrison, Calumet County, Wisconsin

WHEREAS, Subdivider desires to subdivide and develop said lands;

WHEREAS, said lands are presently zoned or planned to be zoned as **RS-1 | Single-Family Residential (Suburban)** which permits the above development; and

WHEREAS, the Plan Commission has recommended to the Village Board that the proposed subdivision of the above-described lands be given final approval when the final plat thereof has been presented to the Village Board on the condition that the Subdivider enter into an agreement with the Village relative to the manner and method by which said lands are to be developed; and

WHEREAS, the Subdivider agrees to develop said land as herein described in accordance with this Agreement and in accordance with all of the ordinances and regulations of the Village of Harrison; and

WHEREAS, the developer/subdivider assures the Village and shall on the plat acknowledge:
“The owner/subdivider has no notice or knowledge of any environmental problems (the existence of hazardous or toxic substances) of any sort on the property being transferred. The owner/subdivider understands that it will pay for any costs to remediate any environmental problems encountered during construction of any of the public improvements required by the Village on the plat in the Developer’s Agreement. The owner/subdivider understand that they shall be individually responsible for any environmental problems found on the land, transferred to the Village on the Plat of Survey or Certified Survey Map during the construction of roads or other dedications and agree to hold the Village harmless until construction, installation or grading is complete.”; and

WHEREAS, the Village and Subdivider agree that the required dedications for surface water drainage and detention shall be dedicated with the plat acceptance, but shall be constructed by the developer as specified. Security for performance of the construction shall be secured by letter of credit or escrow. Security for performance shall not be released in full or in part, at the discretion of the Village, until performance is complete and sufficient development of the subdivision has occurred to satisfy the Village that further development related impairment or damage of surface water structures will not occur.

NOW, THEREFORE, in consideration of the forgoing recitals, which are adopted and incorporated by reference as if set forth in the body of this Agreement, and in consideration of the granting of approval of a final plat for **Harrison Heights 2** by the Village Board, the Subdivider does hereby agree as follows:

SECTION 1 – IMPROVEMENTS

All public improvements shall be in accordance with the Village of Harrison Standards and Specifications as established in the *Standard Specifications Manual*, *Harrison Utilities Standard Specification for Sanitary Sewer and Water Main Construction*, the Land Division Ordinance, and all other ordinances for the Village of Harrison. All plans and specifications for the public improvements must be approved by the Village Engineer, Harrison Utilities Engineer, and Public Works Department prior to proceeding with construction.

A. ROADS AND STREETS The Subdivider hereby agrees:

To furnish, construct, grade and surface all roads and streets in the subdivision, all in accordance with the **FINAL** plat, plans, specifications and drawings approved by the Village.

The Village has given consideration to the installation required and completion dates shall hereinafter be established and specified below. The completion dates are based upon the developer’s installation in accordance with the land division ordinance and the **FINAL** plan specifications and drawings approved by the Village.

All street construction, including but not limited to, sanitary sewer, watermain, storm sewer and associated laterals, subgrade, gravel base, and 1½” temporary asphalt binder shall be inspected by the Village/Harrison Utilities, or their designee, in accordance with Section I, below.

When the Village of Harrison staff and the inspecting engineer confirm that all Village standards and requirements have been met, the Village Board will take action respectively, to accept the listed roads and agreed-upon dedications to the public provided all items on the “Commercial and Residential Subdivision Final Acceptance Application and Checklist” have been completed (see Exhibits). Acceptance of a gravel road may only occur after the subgrade, gravel, and 1½” temporary asphalt binder (35 foot width) has been installed and inspected and certified as in accordance with Village standards by the Village, all utilities (sanitary sewer, water, storm sewer, gas, electric, cable/phone, etc.) have been installed, and all terraces and primary drainage swales and ditches have been graded, seeded, and mulched and inspected by the Village/Harrison Utilities and certified as in accordance with Village standards by Village staff. When approved, the roads will settle for a period not less than two (2) freeze/thaw cycles but no more than three (3) years after acceptance by the Village Board. Exhibit B includes the Typical Cross Section for more information.

During the specified time period, the mountable curb and gutter shall be installed, the 4-inch asphalt paving lift completed, and sidewalks and/or trails installed. The Subdivider shall be responsible for the construction and financing of the mountable curb and gutter, asphalt paving, and sidewalk and/or trail construction. All shall be installed on a per lot basis unless otherwise approved by the Public Works Department.

All prospective costs for construction of the curb and gutter, the asphalt paving, and sidewalks and/or trails shall be held in escrow. In the alternative to holding cash in escrow, if approved by the Village, the Subdivider may provide security in the form of a Performance Bond, Letter of Credit, or Cash Escrow, payable to the Village of Harrison. If Subdivider elects to provide security in lieu of (or in addition to) cash in escrow, any proposed security instrument must be provided to Village staff for review and approval in the Village’s absolute discretion.

Any variation to the proposed schedule of the improvements as set forth in the contract below may be extended in the discretion of Village staff where requests are made by the Subdivider for construction during periods within the determination of the Public Works Department and the Village’s Engineer, require extension of time periods to assure the Village that the improvements will not suffer from premature degeneration as a result of said construction.

For new utility or street construction between November 15th and May 1st, Subdivider hereby provides an additional warranty period of three years beginning from the acceptance of the “gravel road”. Such warranty shall apply to all improvements in case of failure or premature degradation, as determined in the professional option of the Village engineer. Such warranty shall be secured by adequate cash in escrow, if approved by the Village, the Subdivider may provide security in the form of a Performance Bond, Letter of Credit or Cash Escrow, payable to the Village of Harrison. If Subdivider elects to provide security in lieu of (or in addition to) cash in escrow, any proposed security instrument must be provided to the Village staff for review and approval in the Village’s absolute discretion. The method and process of repair of such defects shall be determined by the Village engineer and/or the Public Works Department.

The schedule for construction shall be as follows:

Timeframe Record	
Subdivision	Harrison Heights 2
Final Subdivision Approval	Fall 2023
Sanitary, Water, and Storm Sewers	Winter 2023/2024
Utilities (Gas, Electric, Phone, Cable, etc.)	Spring 2024
Grade & Gravel	Spring 2024
Terraces	Spring/Summer 2024
1½” Temporary Asphalt Binder	Spring/Summer 2024
Landscape Berm with Plantings	NA
Concrete Mountable Curb & Gutter	Summer/Fall 2026
4” Asphalt Pavement	Summer/Fall 2026
Sidewalks/Trails	Summer/Fall 2026

If 80% of the property owners of the subdivision request an earlier timeframe for curb & gutter, asphalt pavement, and sidewalks/trails to be installed, the Village Board may review such request, and approve in the Village’s discretion.

B. CURB AND GUTTER The **Subdivider** hereby agrees:

1. To furnish, construct and install curb and gutter in accordance with the final plat-Phase 2, plans, specifications and drawings attached hereto as Exhibit “A” and to complete said installation as set forth in the schedule above.

C. SIDEWALKS The **Subdivider** hereby agrees:

1. To furnish, construct and install concrete sidewalks in accordance with the plat, plans, specifications and drawings and to complete said installation as set forth in the schedule above. Sidewalks are to be constructed on both sides of the street. Sidewalks may be

installed on a per lot basis prior to final road construction. All sidewalks are to be installed as part of the final road construction in accordance with the table above.

D. TRAILS The **Subdivider** hereby agrees:

1. None are proposed.

E. SANITARY SEWER The **Subdivider** hereby agrees:

1. To furnish, construct, install and provide a complete sewerage system throughout the entire subdivision, all in accordance with the plat plans, specifications and drawings *as per the requirements of Harrison Utilities* and the *Standard Specifications Manual* for the Village of Harrison. *The Village of Harrison/ Harrison Utilities will assume all costs related to the oversizing of water and sanitary sewer mains exceeding eight (8) inches in diameter and over depths deeper than 14 feet per Exhibit E. Said allocation of oversizing or extra depth-related costs shall be determined by the Village/Utility engineer.*
2. To install separate sanitary sewer laterals twelve (12') feet into each lot within the subdivision in accordance with the *Standard Specifications Manual* for *Harrison Utilities* and the Village of Harrison.
3. The sanitary sewer system will not be accepted until the sanitary sewers have been installed and tested in accordance with *Harrison Utilities* specifications on file with the Department of Natural Resources and the Subdivider's plan specifications as approved by *Harrison Utilities* and the Village's Engineer.

F. WATER The **Subdivider** hereby agrees:

1. To furnish, construct, install and provide a complete water distribution system throughout the entire subdivision, all in accordance with the plat, plans, specifications and drawings *as per the requirements of Harrison Utilities* and the *Standard Specifications Manual* for the Village of Harrison. *The Village of Harrison/ Harrison Utilities will assume all costs related to the oversizing of water and sanitary sewer mains exceeding eight (8) inches in diameter and over depths deeper than 14 feet per Exhibit E. Said allocation of oversizing or extra-depth related costs shall be determined by Village/Utility engineer.*
2. To install separate water laterals twelve (12') feet into each lot within the subdivision in accordance with the *Standard Specifications Manual* for *Harrison Utilities* and the Village of Harrison.
3. The water distribution system will not be accepted until the water distribution system has been installed and tested in accordance with *Harrison Utilities* specifications on file with the Department of Natural Resources and Public Service Commission and the Subdivider's plans and specifications approved by the *Harrison Utilities* and the Village of Harrison.

G. SURFACE WATER DRAINAGE The **Subdivider** hereby agrees:

1. To furnish, construct, install and provide adequate facilities for storm and surface water drainage throughout the entire subdivision, all in accordance with the **FINAL** plat, plans,

specifications and drawings approved by the Village and the Wisconsin Department of Natural Resources (WDNR) Post-Construction Performance Standards.

2. All stormwater management facility construction, including but not limited to, retention/detention ponds, primary drainage swales, and associated piping systems shall be inspected by an on-site inspector designated by the Village, before acceptance by the Village.
3. To install separate storm sewer laterals twelve (12') feet into each lot within the subdivision in accordance with the *Standard Specifications Manual* for the Village of Harrison.
4. The Village Board will not accept the storm and surface water drainage improvements until the same have been installed and tested in accordance with the Village's specifications and the Subdivider's plans and specifications approved by the Village. The storm water and surface water drainage improvements shall be completed before a release of the performance guarantee specified by this contract.

H. EROSION CONTROL The **Subdivider** hereby agrees:

1. To install silt fence at the right-of-way line or install erosion matting within the right-of-way along all streets in the **FINAL** plat prior to acceptance of the street(s) in a graveled state. Silt fence or erosion matting to be installed in accordance with the WDNR Technical Standards.
2. Maintain silt fence along the right-of-way line until all land disturbances have been stabilized in accordance with WDNR Technical Standards.
3. Maintain all other erosion control practices for stormwater management facilities, environmental protections, etc., in accordance with WDNR Technical Standards and Village of Harrison approved Erosion Control Plan.

I. GRADING The **Subdivider** hereby agrees:

1. To complete rough and fine grading along all primary drainage swales and ditches in the subdivision all in accordance with **FINAL** plat, plans specifications and drawings approved by the Village.
2. To complete rough grading along all property lines to the design grade.
3. To seed and establish a vegetative cover over all disturbed areas.

J. LANDSCAPING RESTORATION The **Subdivider** hereby agrees:

1. To preserve to the maximum extent possible existing trees, shrubbery, vines and grasses not actually lying within public roadways, easements, drainageways, building foundations sites, private driveways, solid absorption waste disposal areas, paths and trails by use of sound conservation practices.
2. To remove and lawfully dispose of all destroyed trees, brush, tree trunks, shrubs and other natural growth and all rubbish.

3. To provide topsoil, seed, fertilizer and mulch and/or erosion mat for primary drainage swales and ditches and seed fertilizer and mulch for terrace areas in order to provide permanent growth of grass prior to acceptance of the street(s) in a graveled state.
4. To provide a growth of grass and warranty for washouts or other destruction of the drainage plan structures.

K. LANDSCAPE BERMS The **Subdivider** hereby agrees:

1. None are proposed.

L. INSPECTIONS The **Subdivider** hereby agrees:

1. To allow for the Village, or a third party selected by the Village, to inspect all improvements for the purpose of ensuring compliance with the *Standard Specifications Manual* for the Village of Harrison and Harrison Utilities and this Agreement.
2. To pay for all costs associated with the inspection of improvements within the subdivision development. Cost of Village inspections to be billed at the following rates: \$52 per hour for Engineering Technician (Field Inspector), \$59 per hour for Public Works Lead Foreman, and \$69 per hour for Operator, plus actual costs for incidental items, such as equipment, mileage, etc.
3. Costs of third-party inspectors for Harrison Utilities and the Village of Harrison to be billed at actual costs to the Village.

M. PAYMENT IN LIEU OF PARKLAND The **Subdivider** hereby agrees:

1. To pay the Village a fee in lieu of parkland dedication in an amount equal to **\$22,024**. Fee in lieu of parkland is based on the following assumptions in the park impact fee and public needs assessment document: \$25,000 per acre of parkland, 6.65-acres of parkland per 1,000 residents, and 2.88 persons per household ($\$25,000 * 6.65 / 1,000 * 2.88 =$ per lot fee). There are 46-lots in Harrison Heights Phase 2.

N. STREET LIGHTS The **Subdivider** hereby agrees:

1. None are proposed for Phase 2.

O. STREET/TRAFFIC SIGNS The **Subdivider** hereby agrees:

1. Street/Traffic signs shall be installed by the Village, at the Developer's sole expense at an estimated amount of \$1,500.

SECTION II – MISCELLANEOUS REQUIREMENTS

- A. Survey Monuments. The Subdivider hereby agrees to properly place and install all survey or other monuments required by statute and ordinance.

- B. Grade. The Subdivider hereby agrees to furnish to the Village Engineer and/or Planner, the final signed plan set showing the finished grade at each lot corner.
- C. Plans. The Subdivider hereby agrees to furnish to the Village Engineer and/or Planner all plans and specifications identified in the Land Division Ordinance of the Village of Harrison.
- D. Compliance with Ordinances and Statutes. The Subdivider hereby agrees to comply with the requirements and provisions of all Village ordinances and state statutes.
- E. Record Drawings. The Subdivider agrees to provide the Village with grade sheets, asphalt mix records, and record drawings of the sanitary sewer, water main, storm sewer improvements, and streets showing location of all the appurtenances and features of the systems as required by the Village of Harrison Standard Specifications.
- F. Locations for Laterals or Other Improvements. If locates are necessary for any reason prior to final acceptance, the developer shall either provide adequate record drawings to the Village or the developer shall provide the field locates of utilities (such as laterals).
- G. Project Management of Construction Phase. The Subdivider and Subdivider Engineer shall project management the construction phase of the development. The Subdivider shall provide the Village and Harrison Utilities with the final plans for the development. The Subdivider shall provide shop drawings prior to construction commencing.

SECTION III – PUBLIC IMPROVEMENT GUARANTEE

- A. The Village will not sign the final plat until such improvement is guaranteed as listed in A(1).
 - 1. The Subdivider shall provide an irrevocable letter of credit, or cash escrow, together referred to as Financial Guarantee, of which the Village can draw from, for an amount equal to one hundred twenty percent (120%) of the cost of furnishing, constructing, installing, staking, inspecting and testing the improvement as required by this contract. The amount shall include construction engineering costs, inspection, and shall be subject to final approval by the Village. (Improvements are described in this contract in Section 1 – Part, A, B, C, D, E, F , G , H, I , J, K, L, M & N hereof) The improvements shall be guaranteed prior to the Village approving the final plat.

The Subdivider shall provide a copy of any proposed Financial Guarantee to the Village for review to ensure that it complies with the intent and requirements of this Agreement, and to ensure that any guarantor is reputable and creditworthy.

The Subdivider shall notify the Village a minimum of ninety (90) days prior to the expiration of the Financial Guarantee. The Subdivider shall cause the Financial Guarantee to automatically renew year after year until released fully by the Village. Failure to notify the Village in writing that the Financial Guarantee will expire will be deemed a violation of this Agreement and the Village Board shall have the authority to draw upon the Financial Guarantee at any time.

That amount of the public improvements, **as provided by the Subdivider's engineer**, and verified by the Village engineer is **\$627,786.30**

A detail of the estimated cost shall be attached as Exhibit "B".

- B. The Subdivider shall furnish, construct, install, stake, inspect and test the improvement. The improvement shall be dedicated to and accepted by the Village prior to the Village approving any release of a public improvement guarantee.
- C. The Subdivider hereby agrees to guarantee the improvements described in Section I hereof against defects due to faulty materials or workmanship which appear within a period of two (2) years [or three (3) years if winter construction is utilized] from the date the final course of asphalt has been laid and shall pay for any damages resulting therefrom to Village property. The warranty shall be in the form of a letter of credit, or cash escrow in an amount sufficient, as approved by the Public Works Department and/or Village Engineer, to repair such defect. Repair of such defect shall be determined by the Public Works Department.
- D. As improvements required by this Agreement are completed, approved and accepted by the Village, the Subdivider may request a reduction of the public improvement guarantee based upon a demonstration that there exists no necessity for a guarantee in the full amount as originally required. Reductions in the amount of the public improvement guarantee shall be solely within the discretion of the Village Board and shall be made only upon recommendation by the Public Works Department and Village Engineer.
- E. That the public improvement guarantee provided hereunder shall in all respects require compliance with the land division ordinance and particularly the performance guarantee as required by Article IV entitled "Development Agreements".

SECTION IV – BUILDING PERMITS

- A. The Village will not allow building permits to be issued to any individual lot owner in the said subdivision until all improvements required herein have been dedicated to and accepted by the Village. The Village will perform no repair, maintenance or snow plowing upon said improvements until full acceptance of the roadways by the Village.
- B. Building permits may be issued by the Village upon all outstanding inspection and plan review fees or charges being paid and dedication acceptance and verification by the Village that the provisions of this Agreement have been complied with.
- C. The Village shall also require verification that all public improvements have been paid for in the form of Lien Waivers from all persons providing materials or performing work on the Public Improvements for which certification is sought, and upon recording of the final plat, provided that the Subdivider has filed a sufficient Financial Guarantee with the Village to cover the cost of remaining items. Should the Subdivider fail to complete any items pursuant to the terms of the contract by the date set forth herein, the Village shall have the right through the Financial Guarantee provided by the Subdivider to complete the said improvement and the Village shall have unrestricted access to the Subdivider's land for said purpose.

- D. Further, in the event that during the construction of the improvements specified herein, it is determined by the Public Works Department, or Village's Engineer, that the Subdivider and/or its subcontractors installing said improvements have created a situation that is hazardous to the public and requires guarding improvement or repair, the Village may access the Subdivider's property for the purpose of making said repairs and any costs associated with the maintenance of roadways, filling of holes, removal of obstructions or other necessary work may be charged against the cash escrow or irrevocable letter of credit. The Public Works Department shall make an effort to notify the Subdivider of the situation. The Public Works Department and the Engineer in their judgment may determine the necessity of the repairs are urgent in nature and complete those repairs without notice to the Subdivider.

- E. Top of Foundation Elevation. The Subdivider agrees to provide the top of foundation elevation on all building permit requests to the Village of Harrison.

SECTION V – AMENDMENTS

The Village Board and Subdivider by mutual consent may amend this Agreement at any regularly scheduled meeting of the Village Board of the Village of Harrison. The Village Board shall not, however, consent to an amendment until after having first received a recommendation from the Public Works Department and/or the Village's Engineer.

The rest of this page left blank intentionally.

EXHIBIT A

Final Plat, Plans, and Drawings as approved by the Village.

EXHIBIT B

Engineer's Cost Estimate for Improvements.

EXHIBIT C

Financial Guarantee.

EXHIBIT D

Typical Cross Section of Roadway

EXHIBIT E

Oversizing Cost and Over depth Costs for Utilities

VILLAGE BOARD MEETING

VILLAGE OF HARRISON**From:**

Chad Pelishek, Assistant Village Manager and Brandon
Burlow, Utilities Office Manager

Meeting Date:

November 28, 2023

Title:

Resolution V2023-25, Opting out of the PFAS Settlement with 3M and Du Pont.

Issue:

Should the Village Board approve opting out of the PFAS class action settlement with 3M and Du Pont?

Background and Additional Information:

See Resolution.

Budget Impacts:

None

Recommended Action:

Motion to approve Resolution V2023-25, opting out of the PFAS settlement with 3M and Du Pont.

Attachments:

- [City of Appleton PFAS Memo.pdf](#)
- [Email from Village Attorney.pdf](#)
- [V2023-25 PFAS Class Action Lawsuit.pdf](#)



OFFICE OF THE CITY ATTORNEY

100 North Appleton Street
Appleton, WI 54911
Phone: 920/832-6423
Fax: 920/832-5962

TO: Chairperson Vered Meltzer
Members of the Utilities Committee

FROM: Christopher R. Behrens, City Attorney
Chris W. Shaw, Director of Utilities

DATE: November 3, 2023

RE: PFAS Opt Out
Our File No. A21-0078

Most Wisconsin water utilities, including Appleton, have received class action settlement notices related to PFAS settlements with 3M and Du Pont. Appleton will need to determine if it wishes to be covered by the settlement; otherwise, it must specifically opt out of the Du Pont settlement by December 4, 2023 and the 3M settlement by December 11, 2023.

City staff including the Utilities Director, City Attorney and Risk Manager along with their staff, have reviewed this matter in several respects. From the Utilities perspective, the known impact of PFAS on the water utility is minimal at this time due to the City's primary water source being surface water. Tests for PFAS have fallen well below current regulatory limits. Appleton is fortunate in that it hasn't been negatively impacted as some other communities around the country who have been forced to take extreme measures including trucking in water. What is unknown is how the regulatory requirements regarding acceptable PFAS levels might change in future years or decades and, in that scenario, the extent of additional infrastructure that would be required to meet those new requirements. These considerations (even though still relatively unknown) and preservation of potential future rights have to be balanced against what rights would be given up should Appleton stay in the settlement class and accept a (projected) settlement from each company.

There is a resource that staff were able to use where various inputs result in a projected settlement amount from each company. The 3M settlement, according to this resource, could be in the area of \$1,825,000 and the Du Pont settlement is around \$175,000. While these numbers are certainly significant in some contexts, it is important to consider them in the context of the Water Utility. These total amounts equate to about thirty-six (36) days' revenue for the Utility. Should changes in PFAS regulatory standards require the Utility to add new infrastructure to its system, that would require \$10s of millions in capital costs alone. To put these costs into context, the water utility will experience approximately \$400,000,000 in expenses over the next 20 year period (without PFAS treatment). The proposed combined settlements equate to less than 0.5 % of utility expenses. Moreover, after 20 years, any PFAS treatment equipment would likely reach its useful life and need

Christopher R. Behrens
City Attorney

Amanda K. Abshire
Deputy City Attorney

Darrin M. Glad
Assistant City Attorney

Zak Buruin
Assistant City Attorney

to be replaced. Therefore, the settlement would provide minimal current relief without the possibility of funding recourse for these large water plant expansions and ongoing operating costs.

The release of claims, i.e., rights given up, in the Du Pont settlement are primarily related to impacts on drinking water. The 3M release is broader and also releases claims not related to drinking water (any claim for punitive or exemplary damages relating to PFAS or any product containing PFAS, any claim related to the municipality's transport, disposal or arrangement for disposal of waste containing PFAS or wastewater containing PFAS). In both cases, significant weight must be placed on whether it is prudent to accept a settlement now that would prevent the City of Appleton from seeking future remedies against these companies based on the terms of the respective releases. For example, should regulations change in future decades requiring more extensive remediation or, should PFAS have a greater negative local impact in the future, the City's recourse would be limited if it stays in the settlement classes and releases these companies.

The decision before this committee and ultimately the Council is whether to accept the projected settlements by remaining in the lawsuit or, opting-out of the class action suit to preserve the right to potential future claims. It is not an easy decision because it involves unknowns that may impact future generations. Based on staff analysis, the projected present day settlement amounts do not merit releasing rights that otherwise would be available if needed in the future. Accordingly, we are respectfully recommending that it be:

APPROVED that City Staff and the Mayor be authorized, on behalf of the City of Appleton, to immediately execute and file a Request for Exclusion with the appropriate courts and parties in the 3M and Du Pont class action lawsuits so that the City is opted-out of these respective lawsuits.

Chad Pelishek

From: Andy Rossmeissl <ARossmeissl@herrlingclark.com>
Sent: Tuesday, November 21, 2023 1:08 PM
To: Chad Pelishek
Cc: Lynn Moen
Subject: RE: PFAS Lawsuit Recommendation

Chad, I recommend opting out for the same reasons Appleton is opting out.

You can present Appleton's memorandum along with this email if you wish.

Like Appleton, the resolution should state, "RESOLVED, that Village Staff, the Village President, and the Village Attorney be authorized, on behalf of the Village of Harrison, to immediately execute and file a Request for Exclusion with the appropriate courts and parties in the 3M and Du Pont class action lawsuits so that the Village is opted out of these respective lawsuits."

When you send me that adopted resolution, I can assist you in actually opting out. That's why I contacted the City Attorney – to see what for they are using to opt out.

But the Village board's Resolution must come first – before I can do anything.

Thanks,
Andy

From: Chad Pelishek <cpelishek@harrison-wi.org>
Sent: Tuesday, November 21, 2023 10:22 AM
To: Andy Rossmeissl <ARossmeissl@herrlingclark.com>
Cc: Lynn Moen <lmoen@herrlingclark.com>
Subject: PFAS Lawsuit Recommendation

Good Morning Andy:

We need to get an item on the Board agenda for the PFAS Class Action Lawsuit. You had said you were going to connect with the City Attorney in Appleton. We are wondering if you have a recommendation as to whether Harrison Utilities should stay in the lawsuit or opt out?

I look forward to hearing from you.

Thanks,

Chad Pelishek
Assistant Village Manager



Village of Harrison

RESOLUTION V2023-25
VILLAGE OF HARRISON
Calumet and Outagamie Counties

**RESOLUTION OPTING OUT OF THE PFAS SETTLEMENT WITH
3M AND DU PONT**

WHEREAS, most Wisconsin water utilities, including Harrison Utilities, have received class action settlement notices related to PFAS settlements with 3M and Du Pont; and

WHEREAS, since Harrison Utilities purchases water from Appleton and due to the Appleton's primary water source being surface water, PFAS levels currently have not been an issue; and

WHEREAS, what is unknown at this time is whether the PFAS limits would change resulting in Appleton Water and/or Harrison Utilities needing to comply with stricter limits and at what cost; and

WHEREAS, the Village Board has two options. Either stay in the class action lawsuit and restrict future settlements or opt-out out of the lawsuit by December 4, 2023 for Du Pont and December 11, 2023 for 3M; and

WHEREAS, should Harrison Utilities accept the settlement now this would prevent Harrison Utilities from seeking future remedies against these companies based on the terms of the respective releases; and

WHEREAS, should regulations change in future decades requiring more extensive remediation or, should PFAS have a greater negative local impact in the future, the Village's recourse would be limited if it stays in the settlement classes and releases these companies; and

WHEREAS, the Village Attorney is recommending that Harrison Utilities opt out of the class action suit to preserve the right to potential future claims similar to the City of Appleton's recent decision to opt out.

NOW, THEREFORE, BE IT RESOLVED, that Village Staff, the Village President, and the Village Attorney be authorized, on behalf of the Village of Harrison, to immediately execute and file a Request for Exclusion with the appropriate courts and parties in the 3M and Du Pont class action lawsuits so that the Village is opted out of these respective lawsuits.

Adopted by the Board of Trustees of the Village of Harrison this 28th day of November, 2023.

VILLAGE OF HARRISON

By: _____
Allison Blackmer, Village President

Attest: _____
Vicki Tessen, Village Clerk-Treasurer

VILLAGE BOARD MEETING

VILLAGE OF HARRISON

From:

Chad Pelishek, Assistant Village Manager

Meeting Date:

November 28, 2023

Title:

Possible sale of land owned by Village of Harrison/Harrison Utilities

Issue:

Should the Village Board approve splitting the Harrison Utilities parcel (N8722 Lake Park Road) to encourage commercial development?

Background and Additional Information:

There is approximately 2 acres of vacant land north of the Harrison Utilities building on Lake Park Road. Staff is requesting the board allow Staff to market the property for commercial development given the highly visible intersection of Lake Park Road and USH 10/STH 114.

Should Village staff find a development interested in this parcel, a development plan would be brought back to the Board for further consideration and a CSM would need to be completed by the Village to create the lot.

Budget Impacts:

None

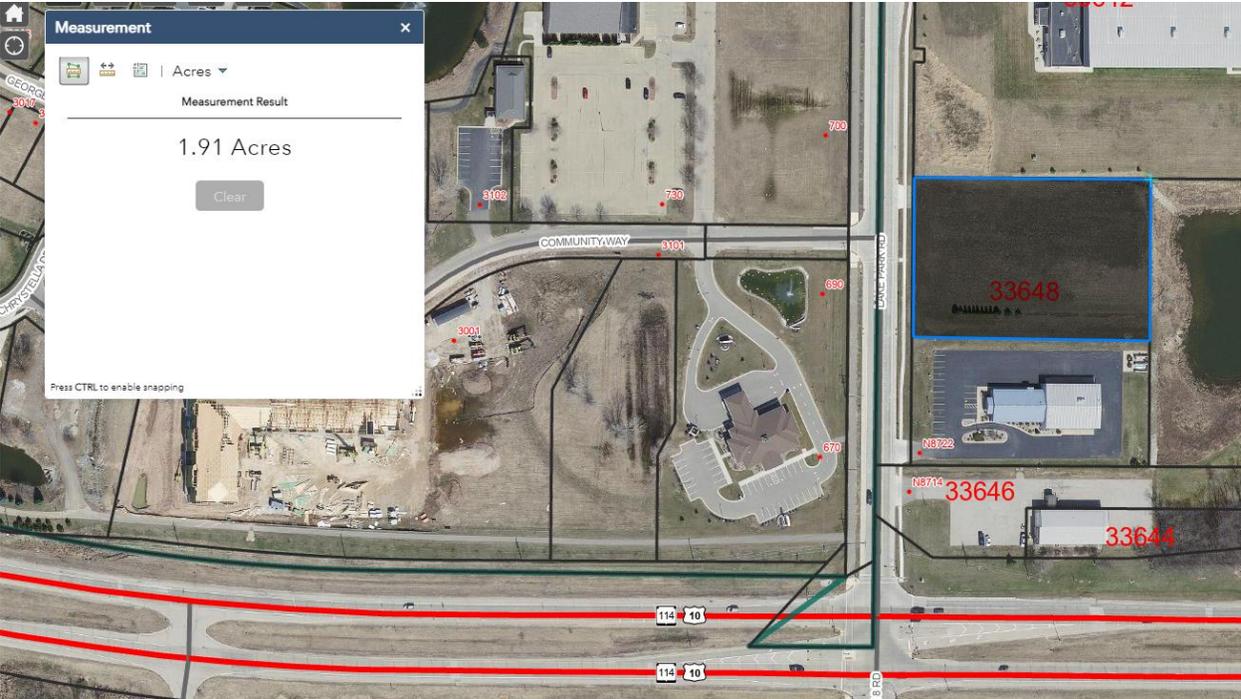
Recommended Action:

Motion as determined by Board to approve allowing staff to market north of Harrison Utilities for commercial development.

Attachments:

- [Lake Park Road- North of Harrison Utilities.pdf](#)

LAKE PARK ROAD AND USH 10



SITE DETAILS

- 1.91 acres
- Village of Harrison/Harrison Utilities owned
- Village willing to split the property
- Village Board supports Commercial Zoning and Commercial Development
- Site located on Lake Park Road (14,100 ADT) and USH 10 (14,300 ADT)

CONTACT INFORMATION

Chad Pelishek
Assistant Village Manager
Village of Harrison
W5298 State Hwy 114
Harrison, WI 54952
cpelishek@harrison-wi.org
(920) 989-1062 ext. 8



VILLAGE BOARD MEETING

VILLAGE OF HARRISON**From:**

Matt Heiser, Village Manager

Meeting Date:

November 28, 2023

Title:

Consider Amending Park, Fire, and Police Impact Fees for 2024

Issue:

Should the Village revise impact fees for 2024?

Background and Additional Information:

At the November 14, 2023 Board meeting the Board placed on the future agenda list an item to update the impact fees.

The Village charges three impact fees: Law enforcement, fire and parks.

The fees were implemented following a needs assessment study by Ehlers, Inc in 2019. They have not been updated since their implementation.

The Village ordinances for the three fees each contain the same provision:

"Impact fee increase. The impact fee may be increased annually based upon the prior year's average interest rate for the Engineering News Record Construction Cost Index, 20 City Coverage."

Budget Impacts:

None. The impact fees are collected as part of the building permit process. Building permit activity is heavily impacted by economic conditions and as a result the Village has taken a conservative approach to predicting building/impact fee revenue.

Recommended Action:

Jon Cameron, A representative from Ehlers, Inc. has access to the Engineering New Record Construction data. Based on what he saw he recommended the following increases to the impact fees:

Village of Harrison**Impact Fee - Inflationary Update**

	Current Impact Fee	Proposed Impact Fee
Park Impact Fee		
Single Family	\$1,078	\$1,176
Multi-Family	\$999	\$1,090
Fire Impact Fee		
Single Family	\$660	\$720
Multi-Family	\$611	\$667
Commercial/Sq. Ft	\$0.27	\$0.29
Industrial/Sq. Ft	\$0.20	\$0.22
Law Enforcement		
Single Family	\$78	\$85
Multi-Family	\$72	\$79
Commercial/Sq. Ft	\$0.032	\$0.035
Industrial/Sq. Ft	\$0.024	\$0.026

Notes:

1. The proposed changes are taken from the Engineering News Record Construction Cost Index for the Chicago Region, which increased by 9.11% from November, 2022-November, 2023.

Staff recommends updating the fees as proposed by Ehlers, Inc

VILLAGE BOARD MEETING

VILLAGE OF HARRISON

From:

Chad Pelishek, Assistant Village Manager

Meeting Date:

November 28, 2023

Title:

Contract for McMahon to prepare Certified Survey Map for Ryford Street dedication.

Issue:

Should the Village Board approve the agreement with McMahon to prepare a CSM to dedicate land for Ryford Street and create lots for residential development?

Background and Additional Information:

Under this contract, the Village would hire McMahon, Village Engineer, to complete a certified survey map (CSM) to subdivide lands described as Lot 1 of CSM 3775 into two parcels and dedicate the portion of Ryford Street between Kambura Acres IV Development and Creekside Estates as well as create two lots that the Village can market for residential development.

Budget Impacts:

Yes

Recommended Action:

Motion to approve agreement for \$3,500 to prepare a Certified Survey Map (CSM) to subdivide lands as Lot 1 of CSM 3775 into two parcels and dedicate the portion of Ryford Street.

Attachments:

- [H0006-04 Ryford Street.pdf](#)
- [Project Location.jpg](#)

AGREEMENT FOR PROFESSIONAL SERVICES

VILLAGE OF HARRISON

Attn: Chad Pelishek, Assistant Village Manager
W5298 State Road 114
Harrison, WI 54952

NOVEMBER 3, 2023

McM. No. To be assigned

PROJECT DESCRIPTION

Land Surveying services to prepare a Certified Survey Map (CSM) to subdivide lands described as Lot 1 of CSM 3775 into two parcels and dedicate the portion of Ryford Street between the Kambura Acres IV Development and Creekside Estates, located in the Village of Harrison, Calumet County, Wisconsin.

SCOPE OF SERVICES

- Research public records for previous surveys and current property deeds listed in the tax roll.
- Perform a field survey to locate and/or set survey monuments at the respective corners and locate existing building structures if any.
- Draft a two lot CSM in accordance with the Village of Harrison subdivision and zoning requirements.
- Submit CSM to respective review agencies.
- Provide Village with originals of the CSM for signatures and recording.
- Record the CSM with the County Register of Deeds office.

ITEMS NOT INCLUDED IN THE SCOPE OF SERVICES

The following is not intended to be a comprehensive list. It is intended to highlight general areas not included in the Scope of Services.

- Title/easement searches.
- Review and recording fees.
- Wetland Delineation and report.
- Applications for Department of Natural Resources and/or wetland permits.
- Attendance at Village meetings. If required, meetings will be attended on a Time and Expense basis.
- Application for rezoning, Conditional Use Permit, and/or variances to the Village Zoning Ordinance.

CLIENT RESPONSIBILITIES

The Scope of Services and fee is based upon the understanding that the Village of Harrison will provide the following:

- Payment of all review and recording fees required by the review agencies and County Register of Deeds, which are not included in this Agreement.
- Access to the site.
- Current title policy and/or property deed for the subject property if available.
- All required signatures on the originals of the Certified Survey Map.

SPECIAL TERMS (Refer also to General Terms & Conditions, attached)

Confidentiality: The Client agrees that the Project Description, Scope of Services, and Compensation sections contained in this Agreement, pertaining to this project or any addendum thereto, are considered confidential and proprietary, and shall not be released or otherwise made available to any third party, prior to the execution of this Agreement, without the expressed written consent of McMahon.

COMPENSATION

McMahon agrees to provide the Scope of Services described above for the following Time and Expense compensation..... \$3,500.00

COMPLETION SCHEDULE

McMahon agrees to complete this project as follows:

- Based on Village review schedules and approval dates. Map to be submitted for reviews within 3 to 4 weeks from the acceptance date of this Agreement.

ACCEPTANCE

The General Terms & Conditions and the Scope of Services (defined in the above Agreement) are accepted, and McMahon is hereby authorized to proceed with the services. The Agreement fee is firm for acceptance within sixty (60) days from the date of this Agreement.

VILLAGE OF HARRISON

W5298 State Road 114
Harrison, Wisconsin 54952

McMAHON ASSOCIATES, INC.

1445 McMahon Drive | PO Box 1025
Neenah, WI 54956 | 54957-1025
920.751.4200 | MGMGRP.COM

Authorized Signature



Douglas E Woelz
Associate/Senior Land Surveyor

Date

November 3, 2023
Date



Lee R. Reibold, P.E.
Associate / Municipal & Civil Engineer

Attachments: General Terms and Conditions
Fee Schedule
Reimbursable Schedule

1. STANDARD OF CARE

- 1.1 **Services:** McMahon Associates, Inc. (McMahon) shall perform services consistent with the professional skill and care ordinarily provided by engineers/architects practicing in the same or similar locality under the same or similar circumstances. McMahon shall provide its services as expeditiously as is consistent with such professional skill and care and the orderly progress of the Project.
- 1.2 **Client's Representative:** McMahon intends to serve as the Client's professional representative for those services, as defined in this Agreement, and to provide advice and consultation to the Client as a professional. Any opinions of probable project costs, approvals and other decisions made by McMahon for the Client are rendered based on experience and qualifications and represent our professional judgment. This Agreement does not create, nor does it intend to create a fiduciary relationship between the parties.
- 1.3 **Warranty, Guarantees, Terms and Conditions:** McMahon does not provide a warranty or guarantee, expressed or implied, for professional services. This Agreement or contract for services is not subject to the provisions of uniform commercial codes. Similarly, McMahon will not accept those terms and conditions offered by the Client in its purchase order, requisition or notice of authorization to proceed, except as set forth herein or expressly accepted in writing. Written acknowledgment of receipt, or the actual performance of services subsequent to receipt, of any such purchase order, requisition or notice of authorization to proceed is specifically deemed not to constitute acceptance of any terms or conditions contrary to those set forth herein.

2. PAYMENT AND COMPENSATION

- 2.1 **Invoices:** McMahon will bill the Client monthly with net payment due in 30-days. Past due balances shall be subject to an interest charge of 1.0% per month. Client is responsible for interest charges on past due invoices, collection agency fees and attorney fees incurred by McMahon to collect all monies due McMahon. Client is responsible for all taxes levied on professional services and on reimbursable expenses. McMahon and Client hereby acknowledge that McMahon has and may exercise lien rights on subject property.
- 2.2 **Reimbursables:** Expenses incurred by McMahon for the project including, but not limited to, equipment rental will be billed to the Client at cost plus 10% and sub-consultants at cost plus 12%. When McMahon, after execution of an Agreement, finds that specialized equipment must be purchased to provide special services, the cost of such equipment will be added to the agreed fee for professional services only after the Client has been notified and agrees to these costs.
- 2.3 **Changes:** The stated fees and Scope of Services constitute McMahon's professional opinion of probable cost of the fees and tasks required to perform the services as defined. For those projects involving conceptual or process development services, activities often cannot be fully defined during initial planning. As the project progresses, facts uncovered may reveal a change in direction, which may alter the Scope. Changes by the Client during design may necessitate re-design efforts. McMahon will promptly inform the Client in writing of such situations so changes in this Agreement can be negotiated, as required.
- 2.4 **Delays and Uncontrollable Forces:** Costs and schedule commitments shall be subject to re-negotiation for delays caused by the Client's failure to provide specified facilities or information, or for force majeure delays caused by unpredictable occurrences, including without limitation, fires, floods, riots, strikes, unavailability of labor or materials, delays or defaults by suppliers of materials or services, process shutdowns, infectious diseases or pandemics, acts of God or the public enemy, or acts or regulations of any governmental agency. Temporary delay of services caused by any of the above, which results in additional costs beyond those outlined, may require re-negotiation of this Agreement.

3. INSURANCE

- 3.1 **Limits:** McMahon will maintain insurance coverage in the following amounts:

Worker's Compensation.....	Statutory
General Liability	
Bodily Injury - Per Incident/Annual Aggregate	\$1,000,000 / \$2,000,000
Automobile Liability	
Bodily Injury	\$1,000,000
Property Damage	\$1,000,000
Professional Liability Coverage.....	\$2,000,000

If the Client requires coverage or limits in addition to the above stated amounts, premiums for additional insurance shall be paid by the Client.

McMahon's liability to Client for any indemnity commitments, reimbursement of legal fees, or for any damages arising in any way out of performance of our contract or based on tort, breach of contract, or any other theory, is limited to ten (10) times McMahon's fee not to exceed to \$250,000.

- 3.2 **Additional Insureds:** To the extent permitted by law, McMahon shall cause the primary and excess or umbrella policies for Commercial General Liability and Automobile Liability to include the Client as an additional insured for claims caused in whole or in part by McMahon's negligent acts or omissions. The additional insured coverage shall be primary and non-contributory to any of the Client's insurance policies and shall apply to both ongoing and completed operations.

To the extent permitted by law, Client shall cause the contractor, if any, to include McMahon as an additional insured on contractor's Commercial General Liability, Automobile Liability and Excess or Umbrella policies to include McMahon as an additional insured for claims caused in whole or in part by contractor's negligent acts or omissions. The additional insured coverage shall be primary and non-contributory to any of McMahon's insurance policies and shall apply to both ongoing and completed operations.

4. CLAIMS AND DISPUTES

- 4.1 **General:** In the event of a dispute between the Client and McMahon arising out of or related to this Agreement, the aggrieved party shall notify the other party of the dispute within a reasonable time after such dispute arises. The Client and McMahon agree to first attempt to resolve the dispute by direct negotiation.

- 4.2 Mediation: If an agreement cannot be reached by the Client and McMahon unresolved disputes shall be submitted to mediation per the rules of the American Arbitration Association. The Client and McMahon shall share the mediator's fee and any filing fees equally.
- 4.3 Binding Dispute Resolution: If the parties do not resolve a dispute through mediation the method of binding dispute resolution shall be litigation in a court of competent jurisdiction.

5. TERMINATION OR SUSPENSION

- 5.1 Client: Termination of this Agreement by the Client shall be effective upon seven (7) day written notice to McMahon. The written notice shall include the reasons and details for termination; payment is due as stated in above Section 2.
- 5.2 McMahon: If the Client defaults in any of the Agreements entered into between McMahon and the Client, or if the Client fails to carry out any of the duties contained in these Terms & Conditions, McMahon may, upon seven (7) days written notice, suspend its services without further obligation or liability to the Client unless, within such seven (7) day period, the Client remedies such violation to the reasonable satisfaction of McMahon.
- 5.3 Suspension for Non-Payment: McMahon may, after giving 48-hours' notice, suspend service under any Agreement until the Client has paid in full all amounts due for services rendered and expenses incurred.

6. COPYRIGHTS AND LICENSES

- 6.1 Instruments of Service: McMahon and its subconsultants shall be deemed the author and owner of their respective Instruments of Service (IOS), including the Drawings, Specifications, reports, and any computer modeling (BIM, etc.), and shall retain all common law, statutory and other reserved rights, including copyrights.
- 6.2 Licenses: McMahon grants to the Client a nonexclusive license to use McMahons' IOS solely and exclusively for the purposes of constructing, using, and maintaining the project, provided that the Client substantially performs its obligations under this Agreement, including prompt payment of all sums due.
- 6.3 Re-use: Use of IOS pertaining to this project by the Client for extensions of this project or on any other project shall be at the Client's sole risk and the Client agrees to defend, indemnify, and hold harmless McMahon from all claims, damages and expenses, including attorneys' fees arising out of such re-use of the IOS by the Client or by others acting through the Client.

7. AGREEMENT CONDITIONS

- 7.1 The stipulated fee is firm for acceptance by the Client within 60-days from date of Agreement publication.
- 7.2 Modifications: This Agreement, upon execution by both parties hereto, can be amended only by written instrument signed by both parties.
- 7.3 Governing Law: This Agreement shall be governed by the law of the place where the project is located, excluding that jurisdiction's choice of law rules.
- 7.4 Mutual Non-Assignment: The Client and McMahon, respectively bind themselves, their agents, successors, assigns and legal representatives to this Agreement. Neither the Client nor McMahon shall assign this Agreement without the written consent of the other.
- 7.5 Severability: The invalidity of any provision of this Agreement shall not invalidate the Agreement or its remaining provisions. If it is determined that any provision of the Agreement violates any law, or is otherwise invalid or unenforceable, then that provision shall be revised to the extent necessary to make that provision legal and enforceable. In such case the Agreement shall be construed, to the fullest extent permitted by law, to give effect to the parties' intentions and purposes in executing the Agreement.
- 7.6 Third Party: Nothing contained in this Agreement shall create a contractual relationship with, or a cause of action, in favor of a third party against McMahon.

8. MISCELLANEOUS PROVISIONS

- 8.1 Additional Client Services: The Client agrees to provide such legal, accounting and insurance counselling services as may be required for the project for the Client's purpose.
- 8.2 Means and Methods: McMahon is not responsible for direction or supervision of construction means, methods, techniques, sequence, or procedures of construction selected by Contractors or Subcontractors, or the safety precautions and programs incident to the work of the Contractors or Subcontractors.
- 8.3 Purchase Orders: In the event the Client issues a purchase order or other instrument related to McMahon's services, it is understood and agreed that such document is for Client's internal accounting purposes only and shall in no way modify, add to, or delete any of the terms and conditions of this Agreement. If the Client does issue a purchase order, or other similar instrument, it is understood and agreed that McMahon shall indicate the purchase order number on the invoice(s) sent to the Client.
- 8.4 Project Maintenance: The Client (or Owner if applicable) shall be responsible for maintenance of the structure, or portions of the structure, which have been completed and have been accepted for its intended use. All structures are subject to wear and tear, and environmental and man-made exposures. As a result, all structures require regular and frequent monitoring and maintenance to prevent damage and deterioration. Such monitoring and maintenance is the sole responsibility of the Client or Owner. McMahon shall have no responsibility for such issues or resulting damages.
- 8.5 Consequential Damages: Notwithstanding any other provision of the Agreement, neither party shall be liable to the other for any consequential damages incurred due to the fault of the other party, regardless of the nature of this fault or whether it was committed by the Client or the Design Professional, their employees, agents, subconsultants or subcontractors. Consequential damages include, but are not limited to, loss of use and loss of profit.
- 8.6 Corporate Protection: It is intended by the parties to this Agreement that McMahon's services in connection with the project shall not subject McMahon's individual employees, officers, or directors to any personal legal exposure for the risks associated with this project. Therefore, and notwithstanding anything to the contrary contained herein, the Client agrees that as the Client's sole and exclusive remedy, any claim, demand, or suit shall be directed and/or asserted only against McMahon, a Wisconsin corporation, and not against any of McMahon's employees, officers, or directors.



FEE SCHEDULE | 2023

McMahon Associates, Inc.

Effective: 01/01/2023

LABOR CLASSIFICATION	HOURLY RATE
Principal	\$196.00
Senior Project Manager	\$196.00
Project Manager	\$139.00 - \$182.00
Senior Engineer	\$173.00 - \$186.00
Engineer	\$93.00 - \$164.00
Senior Engineering Technician	\$127.00 - \$140.00
Engineering Technician	\$80.00 - \$116.00
Senior Architect	\$166.00 - \$186.00
Architect	\$130.00 - \$155.00
Senior Land Surveyor	\$124.00 - \$163.00
Senior Public Management Specialist	\$155.00
Public Management Specialist	\$127.00
Senior Public Safety Specialist	\$155.00
Public Safety Specialist	\$127.00
Building Inspector Specialist	\$125.00
Land Surveyor	\$116.00
K-12 Administrative Specialist	\$118.00
Land Surveyor Technician	\$80.00 - \$103.00
Surveyor Apprentice	\$66.00
Erosion Control Technician	\$88.00
Senior Hydrogeologist	\$196.00
Senior Ecologist	\$187.00
Environmental Scientist	\$95.00 - \$107.00
Senior G.I.S. Analyst	\$159.00
G.I.S. Analyst	\$88.00 - \$108.00
Wetland Delineator	\$108.00
Senior Designer	\$136.00
Designer	\$87.00 - \$117.00
Senior On-Site Project Representative	\$117.00
On-Site Project Representative	\$53.00 - \$98.00
State Plan Reviewer	\$139.00
Certified Grant Specialist	\$141.00
Graphic Designer	\$104.00
Senior Administrative Assistant	\$90.00 - \$101.00
Administrative Assistant	\$80.00
Intern	\$42.00 - \$65.00
Professional Witness Services	\$357.00

This Fee Schedule is subject to revisions due to labor rate adjustments and interim staff or corporate changes.

**NEENAH, WISCONSIN
CORPORATE HEADQUARTERS**

Street Address:
1445 McMAHON DRIVE
NEENAH, WI 54956

Mailing Address:
P.O. BOX 1025
NEENAH, WI 54957-1025
Ph 920.751.4200 | Fax 920.751.4284
Email: MCM@MCMGRP.COM
Web: WWW.MCMGRP.COM

1700 HUTCHINS ROAD
MACHESNEY PARK, IL 61115
Ph 815.636.9590 | Fax 815.636.9591
Email: MCMAHON@MCMGRP.NET
Web: WWW.MCMGRP.COM

952 SOUTH STATE ROAD 2
VALPARAISO, IN 46385
Ph 219.462.7743 | Fax 219.464.8248
Email: MCM@MCMGRP-IN.COM
Web: WWW.MCMGRP.COM



REIMBURSABLE EXPENSES SCHEDULE | 2023

McMahon Associates, Inc.

Effective: 01/01/2023

Revised: 05/26/2023

DESCRIPTION	RATE
REIMBURSABLE EXPENSES:	
Commercial Travel	1.1 of Cost
Delivery & Shipping	1.1 of Cost
Meals & Lodging	1.1 of Cost
Review & Submittal Fees	1.1 of Cost
Outside Consultants	1.12 of Cost
Photographs & Models	1.1 of Cost
Misc. Reimbursable Expenses & Project Supplies	1.1 of Cost
Terrestrial Laser Scanner	\$1,500.00
REIMBURSABLE UNITS:	
Photocopy Charges - Black & White	\$0.08/Image
Photocopy Charges - Color / 8½" x 11"	\$0.45/Image
Photocopy Charges - Color / 8½" x 14" and 11" x 17"	\$0.75/Image
Mileage	\$0.75/Mile
Mileage - Truck/Van	\$1.05/Mile
All-Terrain Vehicle	\$60.00/Day
Global Positioning System (GPS)	\$21.00/Hour
Hand-Held Global Positioning System (GPS)	\$15.00/Hour
Robotic Total Station	\$20.00/Hour
Survey Hubs	\$0.45/Each
Survey Lath	\$0.80/Each
Survey Paint	\$6.00/Can
Survey Ribbon	\$3.00/Roll
Survey Rebars - 1¼"	\$10.00/Each
Survey Rebars - ¾"	\$3.25/Each
Survey Rebars - 5/8"	\$2.75/Each
Survey Iron Pipe - 1"	\$4.25/Each
Survey Steel Fence Post - 1"	\$5.00/Each
Control Spikes	\$1.75/Each

NEENAH, WISCONSIN
CORPORATE HEADQUARTERS

Street Address:
1445 McMAHON DRIVE
NEENAH, WI 54956

Mailing Address:
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Ph 920.751.4200 | Fax 920.751.4284

Email: MCM@MCMGRP.COM
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1700 HUTCHINS ROAD
MACHESNEY PARK, IL 61115

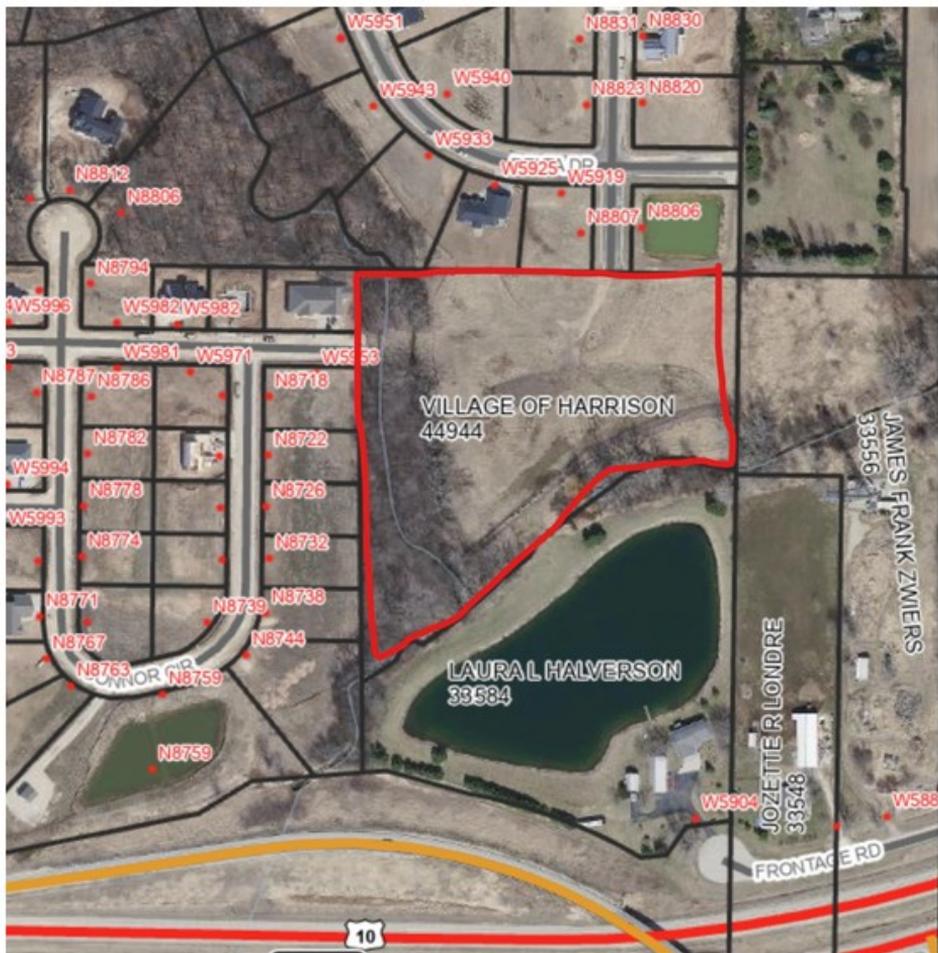
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VALPARAISO, IN 46385

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VILLAGE BOARD MEETING

VILLAGE OF HARRISON

From:

Chad Pelishek, Assistant Village Manager

Meeting Date:

November 28, 2023

Title:

Contract Proposal from Moss and Associates to negotiate Right-of-Way and Land for State Park Road Reconstruction Project.

Issue:

Should the Village Board approve the hiring of Moss and Associates to negotiate on behalf of the Village to acquire R-O-W for the State Park Road Project?

Background and Additional Information:

Village Staff in partnership with McMahon sent a request for bids out to three pre-approved DOT firms to assist with acquiring right-of-way for the State Park Road reconstruction project. Only a few firms do this type of work in Wisconsin with the majority being done by Moss and Associates and Steigerwaldt. McMahon has identified 22 parcels that need to be acquired for the project.

McMahon is recommending proceeding with Moss and Associates for the work.

Budget Impacts:

Yes, Capital Outlay Fund- 2024

Recommended Action:

Motion to approve Moss and Associates to negotiate on behalf of the Village, Right-of-Way for the State Park Road reconstruction project.

Attachments:

- [Village of Harrison Proposal-Steigerwaldt.pdf](#)
- [Moss and Associates Proposal](#)



FORESTLAND MGMT

INVESTMENT & ANALYSIS

APPRAISAL

RIGHT-OF-WAY

ENVIRONMENTAL

Village of Harrison

State Park Road Construction Project

Proposal for

Right-of-Way (ROW) and Land Acquisition Services

October 19, 2023

Real Estate Acquisition Services Proposal

Steigerwaldt Land Services, Inc. (Steigerwaldt) is excited at the opportunity to provide an experienced and cohesive team of professionals to provide real estate acquisition services for the Village of Harrison State Park Road Construction project.

Steigerwaldt Land Services, Inc.

Steigerwaldt is a full-service land consulting company, established in 1957. Our services include right-of-way acquisitions, eminent domain appraisals, real estate appraisals, forestland management, forest inventory, real estate brokerage, GIS mapping and database creation, for all type of landowners and business clients. Steigerwaldt provides forest and real estate services to the utility industry, federal and state agencies, land conservation groups, and private property owners primarily in Wisconsin, Michigan, and Minnesota.

The Steigerwaldt team consists of 50 professionals, with Wisconsin offices located in Tomahawk, Hayward, and Negaunee, MI. Our employees are skilled in a variety of fields and work in a team atmosphere to address a wide array of real estate and natural resource projects.

For over three decades, the Steigerwaldt real estate team has been providing quality work in a timely manner, with honesty and integrity, for clients in the energy and transportation sectors. The in-house team of seven acquisition agents and three certified general appraisers, along with a select pool of regionally experienced contract agents, provides Steigerwaldt with a depth and knowledge to successfully complete projects large and small. In the past decade, Steigerwaldt has successfully negotiated hundreds of miles of easement acquisitions and completed nearly 1,000 appraisals on a variety of projects throughout the Upper Great Lakes region. The multifaceted real estate team provides efficient and cost-effective services in a timely manner, which translates into tangible value for the clients.

Steigerwaldt Project Team

Haakon Hagemeister – Project Manager
 Carol J. Ahles – Right of Way Specialist
 Doug Mathys – Right-of-Way Agent
 Keith Frank Jr. – Right-of-Way Agent

Scope of Work

We propose Steigerwaldt provide the following services that are necessary or required to complete the acquisition of real estate for this project.

- Provide a proficient and knowledgeable project manager to work directly with Village of Harrison and the real estate team to administer the following:
 - Weekly updates
 - Appraisal coordination
 - Just compensation coordination
 - Easement payment coordination
 - Agent coordination
 - Schedule review
- Encourage a kick-off meeting in the field upon completion of right-of-way staking. The project leads would meet and drive the project to discover and discuss unique property issues and items such as compensable landscaping, fencing, driveway, and other issues prior to completing the nominal parcel payment form.
- Have team members available to attend the public informational meeting if one is being held. This is a great opportunity to learn more about the project and interact with the affected property owners.
- Notify all property owners affected by the easement acquisition with an introductory letter and a copy of the plat and brochure "The Rights of Property Owners Under Wisconsin Eminent Domain Law". The

letter will briefly explain the project and inform the landowner that a team member will be contacting them to set up an appointment to discuss specifics regarding their property and the acquisition process.

- Ensure all property owners the opportunity to meet with the appraiser or negotiator when their property inspections are being conducted.
- Obtain approval for offering prices from the Village of Harrison.
- Prepare forms and/or documents necessary for the easement acquisition of each parcel.
- Negotiate in good faith with property owners, striving for signed agreements. The most important factor in a successful project is the property owner. Our goal is to be certain that the property owners are treated with respect and are well informed, so they can make a decision that is in their best interest. The land agents will meet with the individual property owners and address their concerns in a timely manner. They will advise the landowner of the schedule and time allowed for them to take the offer of compensation under consideration. If requested by a landowner, or if they are located out of the area, we will present the offer via US mail, certified return receipt, and follow up shortly thereafter.
- Continue negotiations with property owners on the nominal offers until such time that ordering an appraisal is necessary to maintain the schedule.
- Deliver the appraisal and attempt to continue to maintain negotiations up until statutory period of sixty days after the delivery of the appraisal.
- Prepare and deliver Jurisdictional Offers as necessary.
- Prepare and deliver the Final Award of Damages as necessary.
- Maintain an accurate and up-to-date diary for each landowner contact on each affected parcel.
- Conduct a QA/QC close out on the parcel packet, record the easement document, and provide Village of Harrison with a complete acquisition file for each parcel.

Optional Service

- Review appraisals submitted by property owners.

Village of Harrison Responsibilities

- Timely responses
- Title reports
- Survey staking coordination
- Parcel legal descriptions
- Market study and/or appraisals
- Just compensation approvals
- Current title reports and updates to title as needed
- Easement payment checks sent to Steigerwaldt for distribution

Contract Compensation

Project Management

\$ 3,000.00 Lump Sum

- Weekly updates
- Public meeting
- In-person project meetings
- Completion of LPA forms and parcel close out

Acquisition of TLE/Fee	\$ 1,200.00 per parcel
<ul style="list-style-type: none"> • All forms • Signing • Property owner meetings 	
Utility Release of Rights in Land	\$ 500.00 per parcel
Mortgage Consents	\$ 150.00 per consent

***Total cost of the project will be determined by the actual number parcels acquired and consents needed**

Rates for Additional Work

Any additional services required outside the scope of the RFP will be invoiced at the following rates per hour (for example, expert witness in the event of court trial). Should an appraisal be ordered, and work started, but not completed due to owner signing, that work will be invoiced time and expense per the schedule below.

Expert Witness	\$ 250.00
Senior Appraiser	\$ 200.00
Staff Appraisers	\$ 145.00
Appraisal Assistants	\$ 95.00
Real Estate Agent	\$ 100.00
Staff Assistants	\$ 72.00
Mileage	IRS Rate
Expenses	At cost

Shawano County Highway Department, Wisconsin

One highway project near Lake Shawano consisting of +/- 80 landowner acquisitions across multiple land classes. Both Market studies and appraisals were prepared for the basis on land values. Multiple landscape trees were impacted in residential areas and our certified arborists and appraisers were able to support these unique land valuations. There were several utility releases needed as well as mortgage releases.

Shawano County Highway Department, Wisconsin

Two separate highway projects in central and eastern Shawano County. Both projects were approximately two and a half to three miles of acquisitions with 15 to 20 landowners on each section of highway. Market studies were prepared for the basis on land values. These projects consist primarily of residential and agricultural properties. There are several utility releases needed as well as mortgage releases.

Marathon County Highway Department, Wisconsin

Multiple bridge projects throughout Marathon County. Market studies and appraisals were used in land valuations. Projects consisted of residential, agricultural, recreational, and State of Wisconsin owned lands. There were several utility releases needed as well as mortgage releases.

City of Menomonie, Wisconsin

This right of way project required the acquisition of residential and commercial properties along a two-mile segment of roadway in the City of Menomonie. This project additionally required the acquisition of a portion of a condo unit. A project data book was prepared for determining land values. There were several contentious issues with affected commercial properties, as business owners did not want their business functions interrupted. All issues were addressed, and landowners were satisfied with the outcome, avoiding any condemnation.

City of Marshfield, Wisconsin

Turn-Key acquisition services on the East 29th Street Rebuild Project. Services included project data book, acquisition of 34 easements and/or fee strip purchases, securing release of utility rights, and appraisals on 13 properties. The project included a mix of residential and commercial properties.

We Energies – Monroe County, Wisconsin

This project was an approximately 20-mile natural gas line project in Monroe County, Wisconsin. Our real estate team provided turn-key acquisition services and secured easements from approximately 35 landowners. We also provided permitting and construction support. The appraisal group provided appraisal support to include before and after appraisals and landscape valuation reports in support of front-yard vegetation removal on certain properties.

Dairyland Power Cooperative – Multiple Counties, Southwest Wisconsin

Our real estate team secured acquisitions from approximately 60 landowners and multiple town, county, state, and railroad permits. This was an existing 69kV transmission line that required updated shield wire and fiberoptic lines. Affected property types included county-owned land, land investments companies, recreational properties, residential properties, commercial, and agricultural lands.

ATC – Marinette County, Wisconsin

This was a 21-mile transmission line project in Marinette County, Wisconsin. Our real estate team secured acquisitions from approximately 60 landowners. This was an existing 69kV transmission line that, because of its age, required upgraded poles and lines. Due to its location, the existing line cannot be removed until the new line is constructed, which required obtaining new easements from all owners. This project was completed in February of 2019. Affected property types included

county-owned land, several land investments companies, recreational properties, residential properties, and public State-owned land. Appraisals were completed on all affected parcels by Certified General Appraisers Lee Steigerwaldt and Scott Zaremba.

ATC – Monroe to Council Creek

Role: Steigerwaldt provided all acquisition services on a ±15-mile double circuit 69/138kV transmission line located in Monroe County (approximately 75 landowners). The project team performed all aspects of ROW project management, including survey/environmental consent, permitting, market study and land valuation, easement document preparation, negotiations and acquisitions, document recording and filing, completion of eminent domain/real estate appraisals, state and local permitting. The team worked with construction on access and any real estate matters throughout construction up to and through damage and restoration work at the completion of the project.

**Qualifications of
Haakon K. Hagemeister, SR/WA
Vice President - Energy, Infrastructure, and Real Estate**



Education: Michigan Technological University, 2003
Bachelor of Science, Forestry

Employment Period: April 2004 to present

Memberships and Certifications:

International Right of Way Association – SR/WA Designation
Association of Consulting Foresters
Society of American Foresters – Northeast Chapter Chair, 2011 and 2013
Michigan Notary Public
Wisconsin Notary Public

Experience:

Haakon serves as the Right-of-Way and Survey Operations Director for Steigerwaldt and has been with the company since 2004. He worked as a staff and project forester prior to transitioning into his current role in 2011. Haakon earned his Bachelor of Science degree in Forest Management from Michigan Technological University in 2003. He is a member of the International Right of Way Association, Society of American Foresters, and Association of Consulting Foresters. He served as the chapter chair of the Northeast Chapter of the Society of American Foresters from 2011 to 2013 and holds the SR/WA designation from the IRWA. He is a Wisconsin and Michigan Notary and a Wisconsin Cooperating Forester.

Haakon's current job duties at Steigerwaldt include performing and overseeing all aspects of utility, renewable, and governmental acquisition and permitting projects. Haakon coordinates and ensures client expectations are met in relation to project budgeting, forecasting, schedule, and workflow to ensure successful completion on time and within budget. Additional duties include attending public meetings, obtaining necessary local and state permits, preparing market studies, negotiating with public and private landowners, settling damage claims, and handling vegetation management issues. As Operations Director, Haakon is also responsible for the development, implementation, and supervision of the day-to-day activities of the right-of-way team. This includes reviewing, evaluating, and managing the acquisition process, ensuring due diligence and compliance with all client and statutory requirements, and ensuring project database and spatial solutions are current and correct.

In his free time, Haakon enjoys spending time with his wife and three daughters, brook trout fishing, and spending time outdoors.

**Qualifications of
Carol J. Ahles, RWA, R/W-NAC
Right-of-Way Specialist**



Education: Nicolet College – Associates Degree, 1983

Employment Period: May 2008 to present

Memberships and Certifications:

International Right-of-Way Association (IRWA)
Right of Way Agent Certification
Right of Way – Negotiation/Acquisition Certification
Wisconsin Licensed Real Estate Salesperson No. 74276-094
Wisconsin Notary Public

Experience:

As a member of Steigerwaldt’s Right-of-Way department, Carol is responsible for assisting the department in title review, document preparation and execution, database management, permitting, market study research, and project procurement. Carol has worked on a variety of utility, governmental, and renewable infrastructure projects and is well versed in the statutory and permitting requirements for these projects.

She supports acquisition projects with a special focus on quality control and data organization. She also assists in analyzing, preparing, reviewing and interpreting land and right-of-way-related agreements, deeds, easements, leases, permits, and licenses. She has received her Right-of-Way Agent designation through the International Right of Way Association and has her Right-of-Way Negotiation and Acquisition designation (R/W NAC) through IRWA. Carol is a licensed real estate agent and notary in Wisconsin.

Carol has worked on numerous transmission line, gas line, and highway projects in Wisconsin, Michigan, and Minnesota.

In her free time, Carol enjoys spending time with her family and fishing the lakes of northern Minnesota and Wisconsin.

Qualifications of Doug Mathys Right-of-Way Agent



Education: Brinker School of Survey and Mapping, 1977
Associate of Science, Surveying

Employment Period: 2017 to present

Memberships and Certifications:

Wisconsin Professional Land Surveyor
Wisconsin Real Estate Broker
Wisconsin Notary Public
Wisconsin Society of Land Surveyors (WSLS)
International Right-of-Way Association (IRWA)

Experience:

Doug is responsible for performing and overseeing all aspects of utility and highway right-of-way acquisition and permitting. He is a member of the International Right of Way Association and Wisconsin Society of Land Surveyors. He is a Wisconsin Real Estate Broker, Wisconsin Professional Land Surveyor (retired status), and a notary public.

Doug's duties include attending public open houses, public meetings, obtaining necessary local and state permits, negotiating with public and private landowners, settling damage claims, and handling vegetation management issues. Doug specializes in acquisition, permitting, and working through the statutory acquisition process; as a surveyor, he also conducts exhibit and legal description review.

In his free time, Doug enjoys golfing, hunting, fishing, and spending time with his grandchildren.

Qualifications of Keith O. Frank Jr Real Estate Agent



Education: Milwaukee Area Technical College, 2011

Professional courses and Memberships:

Member – International Right of Way Association
Notary – Wisconsin and Michigan
Member – National Association of Realtors
Member – Greater Metropolitan Association of Realtors
Real Estate Broker – Wisconsin, Minnesota, Michigan

Employment Period: October 2022 to present

Experience:

Keith serves as the Real Estate Agent at Steigerwaldt Land Services. He is a key member of the Right-of-Way team and is involved in supporting client and landowner relations. Keith supports day-to-day department functions including negotiations, land sales research, and the preparation of necessary documents. He also provides regular status reports on land acquisition and permitting, performs land sales research, and negotiates and secures fee titles, easements, leases, licenses, permits, and ordinances.

Prior to his current position, Keith was a real estate agent for six years, and during that time, obtained his broker license. Before that, he worked in radio for eight years and worked with and ran a children's summer camp during that time. Additionally, he attended Milwaukee Area Technical College where he graduated from their electrical program and worked for two years as an electrical installer.

In his free time Keith loves reading. He enjoys spending time with his wife, five children and beagle, camping, kayaking, fishing, hunting, hiking/exploring, and especially playing chess, board games, and role play games. Keith and his wife love to explore the world and are well on their way to achieving their goal of visiting all 50 states, and as many countries after that as possible.

Village of Harrison
State Park Road

MOSS & ASSOCIATESLLC
NEGOTIATION:

Acquisition of Fee/PLE parcels	\$750/parcel
Nominal Payment Parcel Report (Required by WisDOT)	\$2,500
Certification of Right of Way (Required by WisDOT)	\$2,500

Moss & Associates will meet with owners, deliver offers, mail documents to Register of Deeds for recording, prepare Jurisdictional Offers if necessary, prepare Award of Damages, if necessary.

Village of Harrison will be responsible for providing right of way plats and construction plans, documents and legal descriptions, title searches, pay for recording documents, pay for certified mailings, and making payments to owners.

STEIRO APPRAISAL SERVICE, INC.
APPRAISALS:

Sales Study – to be used in the preparation of nominal offers - \$7,500

Non-Complex or Standard Abbreviated Appraisals - \$2,250 per report as necessary

Complex Before & After Appraisals - \$3,500 per report as necessary

Most appraisals would likely fall under the “non-complex” classification but there may be potential for “proximity” damages on one or two of the properties. This would require a detailed Before & After analysis.

If it turns out there needs to be two valuations and two offers on each parcel because of the proposed bike path, we reserve the right to adjust our appraisal fees as appropriate.

VILLAGE BOARD MEETING

VILLAGE OF HARRISON

From:

Chad Pelishek, Assistant Village Manager and Brandon Barlow, Harrison Utilities

Meeting Date:

November 28, 2023

Title:

Contract with Ehlers to Complete Water and Sewer Utility Financial Planning and Assistance.

Issue:

Should the Village Board approve a contract with Ehlers to complete financial planning for Harrison Utilities?

Background and Additional Information:

Operations staff at Harrison Utilities has identified the need to address three important topics: 1) Updating the Utilities' Ordinance with the incorporation of the language covering the administration and financial portion of the utilities, 2) long range financial planning and future rate cases and 3) Deferred Special Assessment and Connection Fee Review.

Under the proposed contract, Ehlers would assist Village staff with accomplishing this three tasks. Task 1 and 2 would cost \$15,000 and task 3 which is harder to estimate based on reviewing paper files, would be billed out at \$250/hour.

All of these items have been discussed by the Village Board prior and would provide the guide decision making in the future.

Budget Impacts:

\$15,000 and \$250/hour - Water and Sewer Utility

Recommended Action:

Motion to approve executing a contract with Ehlers to complete Water and Sewer Utility financial planning and assistance.

Attachments:

- [Harrison_Village of_WI_Calumet County_ProjectDisclosure_2024 Water and Sewer Utility Financial Planning and Assistance_11_17_2023_02_16_02.pdf](#)

November 17, 2023

Chad Pelishek, Assistant Village Manager
Village of Harrison, Wisconsin
W5298 Hwy 114
Menasha, WI 54952

**Re: Written Municipal Advisor Client Disclosure with the Village of Harrison (“Client”) for
2024 Water and Sewer Utility Financial Planning and Assistance (“Project” Pursuant to
MSRB Rule G-42)**

Dear Chad:

As a registered Municipal Advisor, we are required by Municipal Securities Rulemaking Board (MSRB) Rules to provide you with certain written information and disclosures prior to, upon or promptly, after the establishment of a municipal advisory relationship as defined in Securities and Exchange Act Rule 15Ba1-1. To establish our engagement as your Municipal Advisor, we must inform you that:

1. When providing advice, we are required to act in a fiduciary capacity, which includes a duty of loyalty and a duty of care. This means we are required to act solely in your best interest.
2. We have an obligation to fully and fairly disclose to you in writing all material actual or potential conflicts of interest that might impair our ability to render unbiased and competent advice to you. We are providing these and other required disclosures in **Appendix A** attached hereto.

As your Municipal Advisor, Ehlers shall provide this advice and service at such fees, as described within **Appendix B** attached hereto.

This documentation and all appendices hereto shall be effective as of its date unless otherwise terminated by either party upon 30 days written notice to the other party.

During the term of our municipal advisory relationship, this writing might be amended or supplemented to reflect any material change or additions.

We look forward to working with you on this Project.

Sincerely,

Ehlers & Associates

A handwritten signature in blue ink that reads 'Jon Cameron'. The signature is fluid and cursive, with a large loop for the 'J' and a distinct 'P' for the first initial.

Jon Cameron
Senior Municipal Advisor/Vice President

¹ This document is intended to satisfy the requirements of MSRB Rule G-42(b) and Rule G-42(c).

Appendix A

DISCLOSURE OF CONFLICTS OF INTEREST/OTHER REQUIRED INFORMATION

Actual/Potential Material Conflicts of Interest

Ehlers has no known actual or potential material conflicts of interest that might impair its ability either to render unbiased and competent advice or to fulfill its fiduciary duty to Client.

Other Engagements or Relationships Impairing Ability to Provide Advice

Ehlers is not aware of any other engagement or relationship Ehlers has that might impair Ehlers' ability to either render unbiased and competent advice to or to fulfill its fiduciary duty to Client.

Affiliated Entities

Ehlers offers related services through two affiliates of Ehlers, Bond Trust Service Corporation (BTSC) and Ehlers Investment Partners (EIP). BTSC provides paying agent services while Ehlers Investment Partners (EIP) provides investment related services and bidding agent service. Ehlers and these affiliates do not share fees. If either service is needed in conjunction with an Ehlers municipal advisory engagement, Client will be asked whether or not they wish to retain either affiliate to provide service. If BTSC or EIP are retained to provide service, a separate agreement with that affiliate will be provided for Client's consideration and approval.

Solicitors/Payments Made to Obtain/Retain Client Business

Ehlers does not use solicitors to secure municipal engagements; nor does it make direct or indirect payments to obtain or retain Client business.

Payments from Third Parties

Ehlers does not receive any direct or indirect payments from third parties to enlist Ehlers recommendation to the Client of its services, any municipal securities transaction or any financial product.

Payments/Fee-splitting Arrangements

Ehlers does not share fees with any other parties and any provider of investments or services to the Client. However, within a joint proposal with other professional service providers, Ehlers could be the contracting party or be a subcontractor to the contracting party resulting in a fee splitting arrangement. In such cases, the fee due Ehlers will be identified in a Municipal Advisor writing and no other fees will be paid to Ehlers from any of the other participating professionals in the joint proposal.

Municipal Advisor Registration

Ehlers is registered with the Securities and Exchange Commission (SEC) and Municipal Securities Rulemaking Board (MSRB).

Material Legal or Disciplinary Events

Neither Ehlers nor any of its officers or municipal advisors have been involved in any legal or disciplinary events reported on Form MA or MA-I nor are there any other material legal or disciplinary events to be reported. Ehlers' application for permanent registration as a Municipal Advisor with the (SEC) was granted on July 28, 2014 and contained the information prescribed under Section 15B(a)(2) of the Securities and Exchange Act of 1934 and rules thereunder. It did not list any information on legal or disciplinary disclosures.

Client may access Ehlers' most recent Form MA and each most recent Form MA-I by searching the Securities and Exchange Commission's EDGAR system (currently available at <http://www.sec.gov/edgar/searchedgar/companysearch.html>) and searching under either our Company Name (Ehlers & Associates, Inc.) or by using the currently available "Fast Search" function and entering our CIK number (0001604197).

Ehlers has not made any material changes to Form MA or Form MA-I since that date.

Conflicts Arising from Compensation Contingent on the Size or Closing of Any Transaction

The forms of compensation for municipal advisors vary according to the nature of the engagement and requirements of the client. Compensation contingent on the size of the transaction presents a conflict of interest because the advisor may have an incentive to advise the client to increase the size of the securities issue for the purpose of increasing the advisor's compensation. Compensation contingent on the closing of the transaction presents a conflict because the advisor may have an incentive to recommend unnecessary financings or recommend financings that are disadvantageous to the client. If the transaction is to be delayed or fail to close, an advisor may have an incentive to discourage a full consideration of such facts and circumstances, or to discourage consideration of alternatives that may result in the cancellation of the financing or other transaction.

Any form of compensation due a Municipal Advisor will likely present specific conflict of interests with the Client. If a Client is concerned about the conflict arising from Municipal Advisor compensation contingent on size and/or closing of their transaction, Ehlers is willing to discuss and provide another form of Municipal Advisor compensation. The Client must notify Ehlers in writing of this request within 10 days of receipt of this Municipal Advisor writing.

MSRB Contact Information

The website address of the MSRB is www.msrb.org. Posted on the MSRB website is a municipal advisory client brochure that describes the protections that may be provided by MSRB rules and how to file a complaint with the financial regulatory authorities.

Appendix B

Utilities Financial Planning and Assistance

Scope of Service

Client has requested that Ehlers assist the water and sewer utilities with a long range cash flow analysis, review and updates to the water and sewer use ordinance and assistance with deferred special assessment and connection fee review. (“Project”). Ehlers proposes and agrees to provide the following scope of services:

Phase I – Water and Sewer Long-Range Cash Flow Analysis (“LRCFA”)

- Under this phase we will assess the need for a water and/or sewer user rate study using a separate long-range cash flow analysis for each utility. This analysis will make projections on future operation expenses, future capital funding, and identify future rate increases.
- Prepare a cash flow analysis for the previous 5 years 2018-2023 and next 10 years including the test year. The analysis will include:
 - Actual (for the past five years) and budgeted revenues and expenses based upon the work completed in Phase I above.
 - Development of annual operating expenses for both utilities using an assumed rate of inflation based on historical expenses and discussions with staff.
 - Actual annual debt service expenses for existing utilities debt.
 - The development of preliminary financing plans for planned capital improvement expenses including the use of cash vs. debt financing.
 - The planned debt service for water and sewer utility upgrades taking into consideration available and minimum recommended reserves, existing debt, and existing revenue bond covenants if applicable.
 - Project out revenues and identify projected user rate increases for both utilities to meet all financial obligations of each utility in future years.
 - Use benchmarking analysis to put forth a plan for fiscal sustainability. Using key metrics established by rating agencies, creditors, underwriters, and the PSC, create a plan that focuses on self-sustaining rates.
 - Determine an initial rate adjustment based on existing cash flow analysis through Budget Year 2024.
 - User Rate Comparison
 - Develop a comparison of existing and proposed user rates for example properties by customer class.

- Develop a comparison of existing and proposed user rates to other communities.
- To complete this phase Ehlers will need to request and review the following:
 - Current schedule of water and sewer rates.
 - Annual audits for the past five years.
 - Year to date actual expenses and revenues for each utility
 - Latest line-item budget for both utilities.
 - Current annual debt service schedules for existing utility debt.
 - Any available capital improvement plan documents for both utilities.
- **Draft Report**
 - Meet with municipal staff virtually (phone or web-based service) to discuss initial findings
- **Final Report and Presentation**
 - Prepare a report including all project tables and a brief presentation describing the findings and recommendations of the LRCFA for both utilities.
 - Review the report with staff and make any appropriate changes.
 - Prepare a final report and submit via PDF or paper copy
 - Prepare and be available for one (1) presentation of the report and findings to the Village Board or other designated governing body.

Phase II – Water and Sewer Ordinance Financial Review

- Under this phase we will complete a review of both the water and sewer use ordinances and make recommendations for the financial components of both ordinances, including:
 - A review of the financial sections of both ordinances compared to the utilities current billing and best management practices.
 - A redline update of the financial sections of both ordinances with suggested updates that are consistent with current and best practices.
 - Review the suggested edits with Village staff and the Village Attorney and assist with any further edits and updates.
 - Review the final updates to the ordinance as prepared by the Village’s Attorney and make edits as needed.

Phase III – Deferred Special Assessment and Connection Fee Review

- This phase will include assisting Village staff with reviewing past special assessments, connection and impact fees. The goal of this phase is to assist Village staff with developing current special assessment, confection fee or other development fees for the remaining parcels to

connect to the sewer and water systems to ensure that when these properties do connect that they are being charged fairly and accurately.

- This phase will involve working with Village staff to review historical special assessments, past practices of assessments vs. connection and impact fees. We will then work to prepare the current assessment and/or connection fee, impact fee amounts for the remaining parcels to connect to the water and sewer system that have the capability to do so.
- This phase will involve meeting with Village staff and elected officials as necessary as we work through the findings.

Compensation

In return for the services set forth in the “Scope of Service,” Client agrees to compensate Ehlers as follows:

Service	Fee
Phase I: Water and Sewer Long Range Cash Flow Analysis	\$ 9,000
Phase II: Water and Sewer Ordinance Review	\$ 6,000
Phase III: Deferred Special Assessment/Connection Fee Review*	\$ 250/Hr

*Proposed to be completed on an hourly basis due to the nature of the work to be performed.

In the event the Client determines not to proceed with additional Phases Ehlers will send the invoice for Phases completed.

In the event Client determines not to proceed with the Study once a Phase has been authorized, but prior to that Phase’s completion, the compensation due for that Phase will be prorated to reflect the percentage of the work completed.

For any service directed by Client and not covered by this Scope of Service, or another applicable Appendix, Ehlers will bill Client at an hourly rate that is dependent upon the task/staff required to meet Client request at no less than \$125.00/hour and not to exceed \$300.00/hour.

Payment for Services

For Phase I and II, Ehlers will invoice Client for the work completed at the end of each phase noted above. Our fees include our normal travel, printing, computer services, and mail/delivery charges. The invoice is due and payable upon receipt by the Client.

Phase III will be billed on an hourly basis at a rate of \$250 per hour. Ehlers will bill the Client monthly for work completed in the prior month. The invoice is due and

payable upon receipt by the Client.

Client Engagement

Client hereby accepts the terms set forth in this Written Municipal Advisor Client Disclosure and engages Ehlers to provide the services described above. This Letter shall be effective as of the date of its acceptance by Client. The above Scope of Services is hereby accepted by the Village of Harrison, Wisconsin, by its authorized officer this

_____ day of _____, 20__.

By: _____
(Print Name)

Title: _____
(Print Title)

Signature: _____

VILLAGE BOARD MEETING

VILLAGE OF HARRISON

From:

Chad Pelishek, Assistant Village Manager

Meeting Date:

November 28, 2023

Title:

Contract with SRF to update the Village's Comprehensive Plan and Future Land Use Map

Issue:

Should the Village Board approve a contract with SRF to update the Village of Harrison Comprehensive Plan and Future Land Use Map?

Background and Additional Information:

The last time the Village updated the Comprehensive Plan was in 2017. Per State Statute, comprehensive plans are recommended to be updated every 10 years. However, with the recent growth in the Village of Harrison, best practices would be to update the plan every 3-5 years.

Calumet County issued a request for proposals in September to update the County plan and any municipalities that wanted to participate. Village staff was involved with the county in reviewing and ranking consultants and participating in interviews and making a recommendation to the County Board. Village staff had indicated to County staff an interest in updating the Village plan with a focus on the Future Land Use Map.

SRF was chosen as the preferred consultant. Village staff worked with SRF to develop a scope of work in which planning staff would partner with the consultant given previous experience and to save costs to update the plan. The result is a cost of \$34,955.50 which include substantial savings to the Village in that we do not need to pay for the update to the maps, because the County is already completing this and will complete it for the village thus saving costs. The County will be handling all the mapping for both the county plan and the Village plan at huge cost savings to the Village.

The 2024 budget includes \$30,000 for this project. Staff recommends this be covered with the 2024 and the remaining coming from American Rescue Plan Act (ARPA).

Budget Impacts:

Capital Outlay - Comprehensive Plan Update \$30,000 and American Rescue Plan Act (ARPA)- \$4,955.50

Recommended Action:

Motion to approve the contract with SRF to assist Village Staff in updating the Comprehensive Plan and Future Land Use Map.

Attachments:

- [Village of Harrison_Comprehensive Plan Proposal_111723.pdf](#)



November 17, 2023

Chad Pelishek
Village of Harrison, WI
W5298 State Road 114
Harrison, WI 54952

Subject: Proposal for Professional Services for: Comprehensive Plan Update for the Village of Harrison, WI

Dear Chad Pelishek,

Comprehensive Plans build the foundation for decision making for a community's future. Due to the recent community growth, the Village of Harrison will benefit from developing a new vision, goals, and land use guidance.

Based on our discussions, SRF Consulting Group (SRF) is pleased to submit this proposal to update the Village of Harrison's Comprehensive Plan. Our understanding is that the main objectives of the planning process will be to respond to the recent rapid growth experienced in the village and provide new and additional guidance to manage that growth and spur economic development. The scope of work outlined below will result in a new Comprehensive Plan, however, with the existing plan being relatively new (adopted in 2017), some elements will only need minor updates, while other will garner a more complete rewrite.

Scope of Services

Based on our understanding of the request and our discussions on November 9, 2023, we have updated our scope of services to better meet the Village's needs. As needed, plan tasks and elements may be added or removed depending on the desires of the Village of Harrison.

Phase 1 – Plan Foundation and Opportunities

Phase 1 of the project provides the foundation for Comprehensive Plan. This will include updating demographic data using the 2020 Census and American Community Survey, updating population and employment projections, and early engagement activities.

Task 1.1 – Update Village Profile and Issues and Opportunities

The profile document anchors the Comprehensive Plan within the Village's historical context. Due to the rapid growth in the Village, a complete update of the demographic profile and issues and opportunities analysis would benefit the plan and village decision making. Building from the existing

plan, surveying completed by the Village, and other engagement activities, the identified issues and opportunities will underscore underlying themes that will be addressed throughout the plan.

Task 1.2 – Existing Plan Assessment

Key to building a baseline understanding of the Village of Harrison is to review the existing Comprehensive Plan and any other applicable planning and policy documents. This task will help the planning team gain an understanding of what aspects of existing plans are working, where planning documents are falling short, and potential areas for policy change or enhancement.

Task 1.3 – Planning Projections and Assumptions

In Task 1.3, our team will explore projections for population and employment growth, including the development of multiple growth scenarios for consideration and evaluation. Future growth impacts all aspects of the comprehensive plan, including housing and service needs, economic and workforce development, and transportation. Population, housing, workforce, and employment growth will be explored for the entire 20-year planning horizon and will be considered throughout the planning process.

Phase 2 – Plan Analysis

Plan analysis includes reviewing and updating the Village’s vision, goals, and objectives, updating the existing plan elements, and evaluating and developing a new land use plan.

Task 2.1 – Update Vision, Goals, and Objectives

The Village’s goals and objectives were most recently updated in 2017. This phase will focus on making minor changes to them to reflect updated community perspectives, learned through the community survey and open house, and updated village profile. Goals will continue to be refined throughout the planning process as more feedback is received. Extra focus will be dedicated to the Land Use and Economic Development elements.

Task 2.2 – Plan Element Analysis

This task includes the completion of various planning and analysis efforts to inform the Comprehensive Plan update. It is assumed that writing support for element updates will be provided by Village staff and SRF will complete a full update of the Land Use Element. For each of the other elements (Housing, Transportation Network, Utilities and Community Facilities, and Cultural Resources, Economic Development, and Intergovernmental Cooperation), SRF will provide a one-page memo, outlining our analysis and identifying key update areas.

As outlined above, and consistent with the existing Village of Harrison Comprehensive Plan and the Wisconsin Comprehensive Planning Legislation, we recommend updating the existing plan elements as follows:

Housing: Minor updates to reflect the recent development trends and the changing housing market. It is assumed that this element will not require a full rewrite.

Transportation Network: Minor updates to incorporate changes to transportation patterns due to recent growth. It is assumed that this element will not require a full rewrite.

Utilities and Community Facilities, and Cultural Resources: Minor updates to the element to ensure consistency with updates to the land use plan and community growth. It is assumed that this element will not require a full rewrite. With recent adoption of the Villages CORP, efforts will be made to align the comprehensive plan with the CORP, including providing guidance on cultural facilities, parks, and their role in maintaining a high quality of life for residents.

Economic Development: Updates, in collaboration with other economic development work being completed by the Village, with the goal of spurring additional commercial development and diversifying the Village property tax base. Updates to the element will focus on strategies that support commercial development that supports the community's retail and service needs, but also supports economic vitality for the community.

Intergovernmental Coordination: It is assumed that only minor updates will be needed to the Intergovernmental Coordination element. Language should be included in the plan that help provide consistency between the Village plan and comprehensive plans for Calumet County and other neighboring municipalities.

Land Use: The bulk of land use planning will occur under the next task, however, it is assumed that the Land Use element will require a full rewrite to meet the existing and future needs of the Village.

Task 2.3 – Land Use Planning

This task will focus on the development of a new Future Land Use Plan for the Village. It will include a review of existing land use, zoning, recent growth and development trends, and population projections. Using the information gathered from the Community Profile, the SRF Team will review development constraints and opportunities for the Village of Harrison.

Due to the rapid growth experienced by the county, we recommend that the land use element include a full build out scenario and a phasing plan to help guide development and growth into the future. As a part of this process, we will develop two initial draft land use scenarios to guide discussions. To support logical and serviceable growth, a phasing plan will also be developed as a planning tool to aid the implementation of the land use plan.

Task 2.4 – Implementation Plan Update

Implementation is a crucial component of successful plans and is a required element under Wisconsin Comprehensive Planning Legislation. At SRF, we pride ourselves on our ability to develop practical, implementable plans for our clients. We will work with the Village to review existing implementation actions and refine implementation guidance as appropriate.

Phase 3 – Plan Document

Task 3.1 – Draft and Final Plan Development

Under this task, we will utilize the data collected and analysis completed through the previous tasks to develop a draft Plan for review. SRF will incorporate/address all comments and prepare a final draft to be considered for adoption.

Task 3.2 – Plan Adoption

The SRF Team will finalize the Comprehensive Plan by addressing comments received to create the final update for the adoption process. Mitchell Brouse will support Village staff through the adoption process, including with meeting preparation (staff report assistance, for example) and providing presentations for the public hearings the plan adoption.

Phase 4 – Community Engagement

Meaningful and inclusive public engagement is key to creating a Comprehensive Plan that is supported by the community and is ready for implementation. We will build upon past efforts by the Village to incorporate public feedback. We propose the inclusion of engagement activities throughout the planning process, as follows:

Task 4.1 – Village Board Workshops

We recommend that the Comprehensive Plan update be led by the Village Board, through a series of Board Workshops. Mitchell Brouse will facilitate each workshop with support from various team members as needed. We propose meeting with the Village Board at the following three key stages in the plan development, however, additional meetings can be included in the scope as needed:

- Project Kick-Off and Issues and Opportunities (beginning of Phase 1)
- Draft Plan Element Analysis (Phase 2)
- Draft Plan Review (Phase 3)

These meetings have been scoped as in-person meetings; however, they can be shifted to virtual if necessary.

Task 4.2 – Open House

In addition to surveying, we propose hosting one open house during Phase 1 of the planning process, to solicit information directly from community members. Open houses are a good opportunity to hold longer, direct conversations with community members to educate them about the comprehensive plan and hear about their likes, dislikes, and hopes for the future of the community.

Task 4.4 – Other Optional Engagement Opportunities

Additional engagement opportunities may be warranted as requested by the Village. Those activities could include additional working group meetings, pop-up events, focus group meetings, additional surveys or additional in-person open houses.

- **Focus Group Meetings** are a valuable tool to help inform updates to the Land Use element. As we discussed, this may be a useful add on to bring topical experts together to dive deep into a conversation. Focus groups can include real estate professionals, local business owners, neighborhood leaders, etc. who are engaged and knowledgeable about the community. It is assumed that these meetings will be held virtually. If the Village chooses to include focus groups, we recommend that the meetings focusing on land development and/or economic development. This could include groups such as: 1) large tract landowners; 2) real estate professionals and developers; or 3) local business owners and economic development professionals.
- **Additional Village Board workshops** may be added to support additional coordination and collaboration with members along the planning process. These additional meetings can be held in a virtual or in-person format depending on the desires of the Village.
- **Pop-up events** provide opportunities to bring the comprehensive planning process out into the community where community members are already engaging. These events create opportunities to engage the community on specific topics in a short engagement window. Various community events could be used, including neighborhood events, major community centers, etc.
- **Community surveys** can be used as an online format for gathering additional information from community members.
- **Additional open houses** provide an opportunity to share project updates and gather feedback from the community. For example, a draft plan open house provides an opportunity to educate community members and stakeholders on the content of the draft plan and gather feedback prior to adoption.

Phase 5 – Project Management

This task includes coordinating the project team, monitoring schedule and budget, and providing monthly progress reports through check in meetings with Village Staff. Mitchell will ensure open communication regarding project milestones and deliverables throughout the project process. We recognize the importance of communication between the consultant and staff to ensure the project is delivered on time and within budget. We will provide bi-weekly updates on project status via phone and email to review the progress of the plan's development. We will also provide monthly progress reports via email.

Assumptions

It was assumed that in-person meetings will be held as identified within the scope. Additionally, the scope identifies which tasks will be completed by Village staff.

Schedule

We plan to run this process concurrent with the Comprehensive Plan we will be completing with Calumet County. This will allow us to ensure consistency between the two plans. Additionally, this provides opportunities to utilize the engagement efforts of the County’s planning process to inform the Village’s planning effort.

Estimated Budget

Based on our understanding of the project and our scope of services, we estimate the cost of our services to be \$34,955.50, which includes both time and expenses for this full recommendation. Additional optional tasks have been identified in the table below if additional services are identified during the project development.

Task	Hours	Fee Estimate
Phase 1 – Plan Foundation and Opportunities		
Task 1.1 – Update Village Profile and Opportunities	14	\$1,752
Task 1.2 – Existing Plan Assessment	6	\$733
Task 1.3 – Planning Projections and Assumptions	4	\$572
Phase 2 – Plan Analysis		
Task 2.1 – Update Vision, Goals, and Objectives	10	\$1,230
Task 2.2a – Housing	8	\$994
Task 2.2b – Transportation Network	8	\$994
Task 2.2c – Utilities and Community Facilities, and Cultural Resources	8	\$994
Task 2.2d – Economic Development	8	\$994
Task 2.2e – Intergovernmental Coordination	8	\$994
Task 2.3 – Land Use Planning	30	\$3,740
Task 2.4 – Implementation Plan	8	\$1,044
Phase 3 – Plan Document		
Task 3.1 – Draft and Final Plan Document	40	\$4,920
Task 3.2 – Plan Adoption	8	\$1,144
Phase 4 – Community Engagement		
Task 4.1 – Village Board Workshops (3 in-person meetings)	40	\$5,472
Task 4.3 – Open House	44	\$5,896
Task 4.4a – Optional Village Board Workshop (in-person)	12	\$1,744
Task 4.4b – Optional Pop-up Event	12	\$1,794

Task 4.4c – Option Focus Group Meeting (virtual)	8	\$1,070
Task 4.4c – Optional Focus Group meeting (in-person)	12	\$1,782
Task 4.4d – Optional Additional Community Survey	14	\$1,936
Task 4.4e – Optional Additional Open House	44	\$5,896
Phase 5 – Project Management		
Task 5.1 – General Project Management	16	\$2,444
Total Labor Estimate (without optional tasks included)	352	\$33,917.00
Expenses		
Mileage	1100	\$643.50
Meals	5	\$55
Printing	--	\$340
Total Expenses	--	\$1,038.50
Total Estimate (without optional tasks included)	--	\$34,955.50

Basis of Payment/Budget

We propose to be reimbursed for our services on an hourly basis for the actual time expended. Other direct project expenses such as printing, supplies, reproduction, etc., will be billed at cost and mileage will be billed at the current allowable IRS rate for business miles. Invoices are submitted on a monthly basis for work performed during the previous month. Payment is due within 35 days.

Based on our understanding of the project and our scope of services, we estimate the cost of our services to be \$34,955.50, which includes both time and expenses.

Changes in Scope of Services

It is understood that if the scope or extent of work changes, the cost will be adjusted accordingly. Before any out-of-scope work is initiated, however, we will submit a budget request for the new work and will not begin work until we receive authorization from you.

Standard Terms and Conditions

The attached Standard Terms and Conditions (Attachment A), and Scope of Services (Attachment B), together with this proposal for professional services, constitute the entire agreement between the Client and SRF and supersede all prior written or oral understandings. This agreement may only be amended, supplemented, modified, or canceled by a duly executed written instrument.

Acceptance/Notice to Proceed

A signed copy of this proposal, mailed or emailed to our office, will serve as acceptance of this proposal and our notice to proceed. The email address is mbrouse@srfconsulting.com

We appreciate your consideration of this proposal and look forward to working with you on this project. Please feel free to contact us if you have any questions or need additional information.

Sincerely,

SRF CONSULTING GROUP, INC.



Mitchell Brouse, AICP
Project Manager



Jeff Knudson, PE
Project Director

Approved: Village of Harrison, WI

(signature)

Name _____

Title _____

Date _____

This cost proposal is valid for a period of 90 days. SRF reserves the right to adjust its cost estimate after 90 days from the date of this proposal.

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ATTACHMENT A

STANDARD TERMS AND CONDITIONS

The Standard Terms and Conditions together with the attached Proposal for Professional Services constitute the entire Agreement between the CLIENT and SRF Consulting Group, Inc. ("SRF") and supersede all prior written or oral understandings. This Agreement may only be amended, supplemented, modified, or canceled by a duly executed written instrument.

1. STANDARD OF CARE

- a. The standard of care for all professional services performed or furnished by SRF under this Agreement will be the care and skill ordinarily used by members of SRF's profession practicing under similar circumstances at the same time and in the same locality. SRF makes no warranties, expressed or implied, under the Agreement or otherwise, in connection with SRF's service.
- b. The CLIENT shall be responsible for, and SRF may rely upon, the accuracy and completeness of all requirements, programs, instructions, reports, data, and other information furnished by CLIENT to SRF pursuant to this Agreement. SRF may use such requirements, reports, data, and information in performing or furnishing services under this Agreement.

2. INDEPENDENT CONTRACTOR

All duties and responsibilities undertaken pursuant to this Agreement will be for the sole and exclusive benefit of the CLIENT and SRF and not for the benefit of any other party. Nothing contained in this Agreement shall create a contractual relationship with or a cause of action in favor of a third party against either the CLIENT or SRF. SRF's services under this Agreement are being performed solely for the CLIENT's benefit, and no other entity shall have any claims against SRF because of this Agreement or the performance or nonperformance of services hereunder.

3. PAYMENT TO SRF

Invoices will be prepared in accordance with SRF's standard invoicing practices and will be submitted to the CLIENT by SRF monthly, unless otherwise agreed. Invoices are due and payable within thirty-five (35) days of receipt. If the CLIENT fails to make any payment due SRF for services and expenses within forty-five (45) days after receipt of SRF's invoice thereafter, the amounts due SRF will be increased at the rate of 1-1/2% per month (or the maximum rate of interest permitted by law, if less). In addition, SRF may, after giving seven days written notice to the CLIENT, suspend services under this Agreement until SRF has been paid in full of amounts due for services, expenses, and other related charges.

4. OPINION OF PROBABLE CONSTRUCTION COST

Any opinions of costs prepared by SRF represent its judgment as a design professional and are furnished for the general guidance of the CLIENT. Since SRF has no control over the cost of labor, materials, market condition, or competitive bidding, SRF does not guarantee the accuracy of such cost opinions as compared to contractor or supplier bids or actual cost to the CLIENT.

5. INSURANCE

SRF will maintain insurance coverage for Workers' Compensation, General Liability, Automobile Liability and Professional Liability and will provide certificates of insurance to the CLIENT upon request.

6. INDEMNIFICATION AND ALLOCATION OF RISK

To the fullest extent permitted by law, SRF agrees to indemnify and hold harmless the CLIENT, their officers, directors and employees against all damages, liabilities or costs (including reasonable attorneys' fees and defense costs) to the extent caused by SRF's negligent acts under this Agreement and that of its subconsultants or anyone for whom SRF is legally liable.

7. TERMINATION OF AGREEMENT

Either party may at any time, upon seven days prior written notice to the other party, terminate this Agreement. Upon such termination, the CLIENT shall pay to SRF all amounts owing to SRF under this Agreement, for all work performed up to the effective date of termination.

8. OWNERSHIP AND REUSE OF DOCUMENTS

All documents prepared or furnished by SRF pursuant to this Agreement are instruments of service, and SRF shall retain an ownership and property interest therein. Reuse of any such documents by the CLIENT shall be at CLIENT's sole risk; and the CLIENT agrees to indemnify, and hold SRF harmless from all claims, damages, and expenses including attorney's fees arising out of such reuse of documents by the CLIENT or by others acting through the CLIENT.

9. FORCE MAJEURE

SRF shall not be liable for any loss or damage due to failure or delay in rendering any service called for under this Agreement resulting from any cause beyond SRF's reasonable control.



10. ASSIGNMENT

Neither party shall assign its rights, interests or obligations under this Agreement without the express written consent of the other party.

11. BINDING EFFECT

This Agreement shall bind, and the benefits thereof shall inure to the respective parties hereto, their legal representatives, executors, administrators, successors, and assigns.

12. SEVERABILITY AND WAIVER OF PROVISIONS

Any provisions or part of the Agreement held to be void or unenforceable under any laws or regulations shall be deemed stricken, and all remaining provisions shall continue to be valid and binding upon the CLIENT and SRF, who agree that the Agreement shall be reformed to replace such stricken provision or part thereof with a valid and enforceable provision that comes as close as possible to expressing the intention of the stricken provision. Non-enforcement of any provision by either party shall not constitute a waiver of that provision, nor shall it affect the enforceability of that provision or of the remainder of this Agreement.

13. SURVIVAL

All provisions of this Agreement regarding Ownership of Documents and Reuse of Documents, Electronic Media provisions, Indemnification and Allocation of Risk, and Dispute Resolution shall remain in effect.

14. DISPUTE RESOLUTION

CLIENT and SRF agree to use their best efforts to resolve amicably any dispute. In the event that a dispute cannot be resolved, upon the joint concurrence of the parties to the selection of a mediator, the dispute will be submitted to mediation.

15. CONTROLLING LAW

The laws of the state of Minnesota govern this Agreement. Legal proceedings, if any, shall be brought in a court of competent jurisdiction in the county where the Project is located.

16. SITE SAFETY

SRF shall not at any time supervise, direct, control or have authority over or charge of, nor be responsible for, the construction means, methods, techniques, sequences or procedures, or for safety and security precautions and programs in connection with the work performed by any Contractor for the Project, nor for any failure of any Contractor to comply with laws and regulations applicable to such Contractor's work, since these are solely the Contractor's rights and responsibilities. SRF shall not be responsible for the acts or omissions of any Contractor or Owner, or any of their agents or employees, or of any other persons (except SRF's own employees and consultants), furnishing or performing any work for the Project, except as specifically outlined in SRF's scope of services.

17. GOVERNMENT DATA PRACTICES AND INTELLECTUAL PROPERTY RIGHTS

SRF shall comply with the Minnesota Government Data Practices Act, Minnesota Statutes Chapter 13, as it applies to: (1) all data provided by the Client pursuant to this Agreement; and (2) all data, created, collected, received, stored, used, maintained, or disseminated by SRF pursuant to this Agreement. SRF is subject to all the provisions of the Minnesota Government Data Practices Act, including but not limited to the civil remedies of Minnesota Statutes Section 13.08, as if it were a government entity. In the event SRF receives a request to release data, SRF will immediately notify the Client. The Client will give SRF instructions concerning the release of the data to the requesting party before the data is released.

VILLAGE BOARD MEETING

VILLAGE OF HARRISON

From:

Matt Heiser, Village Manager

Meeting Date:

November 28, 2023

Title:

Contract with KL Engineering for Feasibility Study– Local Roads (High Cliff Connection Trails)

Issue:

Should the Village approve a contract with KL Engineering to perform a Feasibility Study – Local Roads (High Cliff Connection Trails)

Background and Additional Information:

In 2022 the Village agreed to sponsor the grant application for a feasibility study to connect elements of the High Cliff Connection regional trail from Menasha to High Cliff Park. The grant request covers more detailed investigation for potential pathways along Old Highway Road, Manitowoc Road, and Pigeon Road. The grant required a 20% local match which is being paid by the Community Foundation for the Fox Cities Region (CFFVR) spearheading the project.

The Village/project was awarded the grant and the process is underway to secure a consultant to perform the study. A project team consisting of the municipal representatives, led by a consultant employed by the CFFVR, issued an RFP for engineering firms. The team received responses from KL Engineering, MSA, Graef, and SRF. A selection committee consisting of representatives from the Villages of Harrison and Sherwood, the City of Menasha, Calumet County and the CFFVR Trail Coordinator used Quality Based Selection to choose KL Engineering.

The contract is the standard required by the Wisconsin Department of Transportation (WisDOT) for a three-party agreement. The three parties in this case are WisDOT, the Village of Harrison and the consultant. The Village, as a sponsor for the project and party to it, must also approve the contract.

The contract reflects the way the state grant process functions. It states that the Village is paying the engineer. This is the standard language WisDOT requires for the sponsor because the WISDOT TAP grant is a reimbursement program. Procedurally, the Village will submit the costs to the state to be reimbursed for the grant amount (i.e. 80%). The Village will also be completely reimbursed for its portion (i.e. the local match of 20%) via contributions from the CFFVR.

Budget Impacts:

None.

Recommended Action:

Staff recommends approval of the contract with KL Engineering for a Local Roads Feasibility Study in regards to the High Cliff Connection Trails.

Attachments:

- [MEMO Village Board 11-28-23 Old Highway Rd Trail Feasibility Study ATTACH - KL Engineering Proposed Contract Project ID #4479-04-00 .pdf](#)

ENGINEERING SERVICES CONTRACT
BETWEEN THE WISCONSIN DEPARTMENT OF TRANSPORTATION

Village of Harrison (MUNICIPALITY),
AND KL Engineering, Inc. (CONSULTANT) FOR

PROJECT ID 4479-04-00
V Harrison, Feasibility Study
Local Roads
Non Highway
Calumet County

This CONTRACT made and entered into by and between the DEPARTMENT, MUNICIPALITY and the CONSULTANT provides for those SERVICES described in the Scope of Services and Special Provisions and is generally for the purpose of providing the SERVICES solicited by the MUNICIPALITY with a local Request for Qualifications for bicycle and pedestrian study services. This Qualification Based Selection was made based on the CONSULTANT'S Notice of Interest response and any interviews conducted.

The DEPARTMENT and MUNICIPALITY deem it advisable to engage the CONSULTANT to provide certain engineering SERVICES and has authority to contract for these SERVICES under sec. 84.01(13), Wis. Stats.

The DEPARTMENT REPRESENTATIVE is: Kelsey Lorenz, P.E., Northeast Region Local Program Manager, 944 Vanderperren Way, Green Bay, WI 54304; kelsey.lorenz@dot.wi.gov; (920) 492-0142.

The MUNICIPALITY REPRESENTATIVE is: Matt Heiser, Village Manager, Village of Harrison, W5298 State Road 114 Harrison, WI 54952; mheiser@harrison-wi.org; (920) 989-1062.

The CONSULTANT REPRESENTATIVE is: Josh Mercier, PE, Project Manager, whose work address, email address and telephone number are 1040 Glory Rd, Suite B, Green Bay, WI 54304; jmercier@klengineering.com; (920) 347-1218.

The CONSULTANT SERVICES will be performed for the DEPARTMENT'S Northeast Region office located in Green Bay, WI and will be completed by November 1, 2024. Deliver PROJECT DOCUMENTS to KL Engineering, Inc., 1040 Glory Rd, Suite B, Green Bay, WI 54304, unless other directions are given by the DEPARTMENT.

Compensation for all SERVICES provided by the CONSULTANT under the terms of the CONTRACT will be from the:

DEPARTMENT MUNICIPALITY

BASIS OF PAYMENT

- (1) For bicycle and pedestrian study services, actual costs to the CONSULTANT up to \$61,172.85 plus a fixed fee of \$4,328.42 not to exceed \$65,501.27.

Compensation for all SERVICES provided by the CONSULTANT under terms of the CONTRACT shall be for an amount not to exceed \$65,501.27.

The CONSULTANT does and will comply with the laws and regulations relating to the profession of engineering and will provide the desired engineering SERVICES.

This CONTRACT incorporates and the parties agree to all of the standard provisions of the Three Party Design Engineering Services Contract, dated July 1, 2015 and referenced in Procedure 8-15-1 of the State of Wisconsin

Department of Transportation Facilities Development Manual. CONSULTANT acknowledges receipt of a copy of these standard provisions.

This CONTRACT incorporates all of the MANUALS defined in the CONTRACT.

The parties also agree to the Special Provisions, which are annexed and made a part of this CONTRACT, consisting of 3 pages.

Nothing in this CONTRACT accords any third party beneficiary rights whatsoever on any non-party that may be enforced by any non-party to this CONTRACT.

For the CONSULTANT

By: _____

Title: _____

Date: _____

For the DEPARTMENT

By: _____

Contract Manager, WisDOT

Date: _____

For the MUNICIPALITY

By: _____

Title: _____

Date: _____

For the MUNICIPALITY

By: _____

Title: _____

Date: _____

VII. SPECIAL PROVISIONS

SCOPE OF SERVICES

A. GENERAL

- (1) The CONSULTANT shall prepare a Feasibility Study for a multimodal (walking/biking) pathway along three sections of local roadways where there are multimodal gaps within the regional east/west High Cliff State Trail Corridor. Three segments will be studied: Manitowoc Road: Plank Road to Lake Park Road (1.64 miles), Old Highway Road: Lake Park Road to STH 114 (1.8 miles) and Pigeon Road: STH 114 to Blue Heron Court (0.64 miles). Evaluation criteria for the feasibility study will include existing topographic conditions, wetlands, endangered resources, available right of way, utility locations, access, roadway geometry, existing and future land use, planning documents, railroad impacts, soils, project timelines and cost.

B. DATA GATHERING

- (1) The CONSULTANT shall acquire available data for existing surface models (i.e. DTM, DEM, contour lines), potential wetland areas, floodplains, existing soil information, existing R/W, aerial photographs etc., from a variety of open data sources including City/County GIS sites, DNR, USGS, FEMA, etc.
- (2) The CONSULTANT shall acquire existing utility data by completing Diggers Hotline planning-prints tickets for the areas of study.
- (3) The CONSULTANT shall acquire endangered resource information using the National Heritage Inventory (NHI) Public Portal through WisDNR and the IPaC through USFWS.
 - (a) If the ER Preliminary Assessment requires submitting an ER Review CONSULTANT will complete.
- (4) The CONSULTANT shall compile the available data and provide the core design team map(s) to display the data and provide a bulleted list of challenges and opportunities for review.

C. ALTERNATIVE DEVELOPMENT

- (1) Following review and feedback of the existing conditions by the core design team, two (2) alternative alignments will be developed for Manitowoc Road, and one (1) each for Old Highway Road and Pigeon Road. Alternative development will include preliminary horizontal alignments, vertical profiles and corridor models. Plan and Profile sheets for each alternative will be produced for review by the core design team. Broad-based cost estimates will be developed for each alternative. A pro/con list will also be developed for each alternative.
- (2) Specifics related to the development of the alternatives include the following:
 - (a) Pigeon Road – alternative to be evaluated on west side of roadway.
 - Sub alternatives to consider alignment within right of way and one maintaining existing ditch and requiring right of way.
 - (b) Old Highway Road – alternative to be evaluated on south side of roadway within right of way.
 - (c) Manitowoc Road – alternatives to be evaluated on both north side and south side of roadway.
 - (d) Boardwalk will be considered as a design solution for expected wetland locations.
 - (e) Preliminary design options for the possible extension of the Concrete Box Culvert located under Old Highway Road will be evaluated.
 - (f) The Railroad Crossing Report (DT1589) for the railroad crossing at Pigeon Road will be completed. The form will be utilized as base data with the STUDY.
 - (g) Utility locations and real estate impacts will be considered when developing alignment alternatives.
 - (h) Maintenance of drainage will be evaluated for each alternative. Should it be determined that the implementation of curb and gutter and a storm sewer system would be necessary, the pipes will be sized to maintain existing flows assuming a full ditch and inlet spacing will be estimated based on existing roadway profile grades. Ditches shall be designed to match existing ditch capacity.

D. Public Involvement

- (1) The CONSULTANT will conduct one (1) Public Involvement Meeting (PIM) to introduce the alternatives to the public and receive public comment and answer questions.
 - (a) The PIM will be in-person and consist of a brief presentation with open-house to follow.
 - (b) The PIM will be attended by the CONSULTANT'S Project Manager.
 - (c) The CONSULTANT shall prepare and provide all exhibits and supplementary handout material necessary to conduct the PIM. Materials include:
 - a) One design display for each alternative (4 total)
 - b) One typical section for each alternative (4 total)
 - c) One display showing corridor connectivity
 - d) One "Frequently Asked Questions" handout
 - (d) The CONSULTANT will coordinate with the MUNICIPALITY for scheduling the PIM. The MUNICIPALITY shall arrange and provide the meeting location.
 - (e) The CONSULTANT shall provide notices for the MUNICIPALITY's review. The CONSULTANT shall mail meeting notices to adjacent property owners and the MUNICIPALITY shall post meeting notification to their website and social media pages as appropriate.
 - (f) The CONSULTANT shall compile and summarize public feedback and provide recommendations for the MUNICIPALITY's review and use within the feasibility study document.
 - (g) The PIM will include alternative displays for Old Highway Road and Pigeon Road. The alternative displays for Manitowoc Road will be utilized in the PIM for a simultaneously on-going feasibility study being conducted by the City of Menasha (WisDOT ID 4479-05-00). The effort for Manitowoc Road is included in this contract.

E. FEASIBILITY REPORT

- (1) Following the PIM, the CONSULTANT shall further develop a single alternative for Manitowoc Road and the Old Highway Road and Pigeon Road alternatives in more detail with mapping updates and refined cost estimating.
- (2) A final design and construction project timeline will be developed based on DEPARTMENT processes, approvals, and funding opportunities as well as other funding sources and timelines (i.e. DNR grants and locally-funded design and construction).
- (3) A final feasibility report will be completed consisting of the following sections:
 - (a) Executive Summary
 - (b) Project Need
 - (c) Data Analysis
 - (d) Alternative Development
 - (e) Preliminary Alternative Cost Estimates
 - (f) Public Involvement
 - (g) Final Recommended Alignments
 - (h) Recommended Alternative Cost Estimates
 - (i) Implementation Recommendations

F. MEETINGS

- (1) The CONSULTANT shall attend an in-person Kick-Off Meeting to discuss the organization and processing of the SERVICES under this contract (2 CONSULTANT attendees).
- (2) The CONSULTANT shall attend one (1) site-visit to review field conditions (2 CONSULTANT attendees).
- (3) The CONSULTANT shall attend three (3) progress meetings with the core design team, two (2) in-person, (1) virtual (2 CONSULTANT attendees at each meeting).

G. SERVICES PROVIDED BY OTHERS

- (1) The MUNICIPALITY will provide to the CONSULTANT the following information specific to the study areas of Old Highway Road, Pigeon Road, Manitowoc Road and the High Cliff Connection:
 - (a) Mailing list and addresses for public involvement meeting invitations
 - (b) As-builts of Manitowoc Road, Old Highway Road, Pigeon Road if available
 - (c) Previous studies for bike and pedestrian development and for highway reconstruction as available
 - (d) LiDAR or flight data from past reconstruction studies if available
 - (e) Bike counts collected by ECWRPC in 2023
 - (f) Any background data regarding future development, safety concerns, community input on bicycle and pedestrian facilities
 - (g) Any relevant planning documents for the project area
 - (h) Base map for corridor connectivity display

- (2) The DEPARTMENT will provide to the CONSULTANT the following information specific to the study areas of Old Highway Road, Pigeon Road, Manitowoc Road and the High Cliff Connection:
 - (a) As-builts of Old Highway Road, Pigeon Road/STH 114 intersection if available
 - (b) Previous studies for highway reconstruction as available
 - (c) Flight data from past reconstruction studies if available
 - (d) Any relevant planning documents for the project area

H. DELIVERABLES

- (1) The CONSULTANT will deliver the following items to the MUNICIPALITY:
 - (a) Final Feasibility Report
 - (b) Supporting base data collected during the study
 - (c) Design files developed in Civil 3D 2022
 - (d) GIS Mapping/Display

I. PROSECUTION AND PROGRESS

- (1) The following items shall be completed and submitted to the MUNICIPALITY and DEPARTMENT by the indicated date, if CONSULTANT has received the Notice to Proceed by December 18, 2023.

Item	Month/Year
Kick-Off Meeting	December 2023
Existing Conditions Mapping and Challenges/Opportunities List	January 2024
Alternative Concepts for Core Team Review	February 2024
Public Involvement Meeting (Old Highway Rd & Pigeon Rd)	March 2024
Draft Feasibility Report and Recommendations	April 2024
Public Involvement Meeting (STH 114 & Manitowoc Rd)	May 2024
Final Feasibility Report and Recommendations	June 2024

J. ACCESS TO RECORDS

Section V.B. of the STANDARD PROVISIONS is amended to include the following: The CONSULTANT'S record of the services provided under this CONTRACT will be available for inspection and copying at: KL Engineering, Inc., 3040 Allied Street, Suite B, Green Bay, WI 54304.

Consultant Weighted Direct Labor Rates

Project: 4479-04-00

Classification: Project Manager

Employee Number	Current Rate(c)	Percent Contribution(c)	(b*c)
16013	\$48.50	100.00%	\$48.50
TOTAL		100.00%	\$48.50

Classification: Project Engineer

Employee Number	Current Rate(c)	Percent Contribution(c)	(b*c)
21067	\$46.75	100.00%	\$46.75
TOTAL		100.00%	\$46.75

Classification: Engineer

Employee Number	Current Rate(c)	Percent Contribution(c)	(b*c)
21063	\$36.75	100.00%	\$36.75
TOTAL		100.00%	\$36.75

Classification: Structural Resource

Employee Number	Current Rate(c)	Percent Contribution(c)	(b*c)
17014	\$61.50	100.00%	\$61.50
TOTAL		100.00%	\$61.50

Consultant Weighted Direct Labor Rates

Project: 4479-04-00

Classification: Environ Specialist

Employee Number	Current Rate(c)	Percent Contribution(c)	(b*c)
08074	\$49.25	100.00%	\$49.25
TOTAL		100.00%	\$49.25

Classification: Admin

Employee Number	Current Rate(c)	Percent Contribution(c)	(b*c)
00050	\$36.20	100.00%	\$36.20
TOTAL		100.00%	\$36.20

Classification: Construction Engineer

Employee Number	Current Rate(c)	Percent Contribution(c)	(b*c)
10090	\$49.50	100.00%	\$49.50
TOTAL		100.00%	\$49.50

Classification: Coordination, Outreach, QA/QC

Employee Number	Current Rate(c)	Percent Contribution(c)	(b*c)
16003	\$57.50	100.00%	\$57.50
TOTAL		100.00%	\$57.50

Consultant Weighted Direct Labor Rates

Project: 4479-04-00
Classification: Tech Writer

Employee Number	Current Rate(c)	Percent Contribution(c)	(b*c)
22090	\$33.25	100.00%	\$33.25
TOTAL		100.00%	\$33.25

Consultant Individual Direct Labor Rates - KL Engineering, Inc.

Project: **4479-04-00**

Employee Name(a)	Employee Number	Classification(b)	Current Rate(c)	% Pay Increase(d)	New Pay Rate(e)	Date of Increase (f)	% Work at Current Rate(g)	% Work at Increased Rate(h)	Weighted Average Hourly Rate(i)
Josh Mercier	16013	Project Manager	\$48.50	5.00%	\$50.93	11/1/2024	100.00%	0.00%	\$48.50
Eric Andritsch	21067	Project Engineer	\$46.75	5.00%	\$49.09	11/1/2024	100.00%	0.00%	\$46.75
Nathan Rullman	21063	Engineer	\$36.75	5.00%	\$38.59	11/1/2024	100.00%	0.00%	\$36.75
Chad Halverson	17014	Structural Resource	\$61.50	5.00%	\$64.58	11/1/2024	100.00%	0.00%	\$61.50
Dave Tollefson	08074	Environ Specialist	\$49.25	5.00%	\$51.71	11/1/2024	100.00%	0.00%	\$49.25
Ellen Christians	00050	Admin	\$36.20	5.00%	\$38.01	11/1/2024	100.00%	0.00%	\$36.20
Travis Brush	10090	Construction Engineer	\$49.50	5.00%	\$51.98	11/1/2024	100.00%	0.00%	\$49.50
Samantha Herheim	16003	Coordination, Outreach, QA/QC	\$57.50	5.00%	\$60.38	11/1/2024	100.00%	0.00%	\$57.50
Kim Rymer	22090	Tech Writer	\$33.25	5.00%	\$34.91	11/1/2024	100.00%	0.00%	\$33.25
		SUMMATION							
Josh Mercier	16013	Project Manager							\$48.50
Eric Andritsch	21067	Project Engineer							\$46.75
Nathan Rullman	21063	Engineer							\$36.75
Chad Halverson	17014	Structural Resource							\$61.50
Dave Tollefson	08074	Environ Specialist							\$49.25
Ellen Christians	00050	Admin							\$36.20
Travis Brush	10090	Construction Engineer							\$49.50
Samantha Herheim	16003	Coordination, Outreach, QA/QC							\$57.50
Kim Rymer	22090	Tech Writer							\$33.25

Contract Completion Date: 11/1/2024

Summary of Staff Hours and Direct Labor Costs - KL Engineering, Inc.

PROJECT TOTAL

Project: 4479-04-00

Classification			Project Manager		Project Engineer		Engineer		Structural Resource		Environ Specialist		Admin		Construction Engineer		Coordination, Outreach, QA/QC		Tech Writer		Total Direct Labor	
Avg. Hourly Wage			\$48.50		\$46.75		\$36.75		\$61.50		\$49.25		\$36.20		\$49.50		\$57.50		\$33.25			
Outline	Task	Activity Code	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars
1.1.2	Manage Project Scope and Schedule	887	4	\$194.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	4	\$144.80	0	\$0.00	0	\$0.00	0	\$0.00	8	\$338.80
1.4.1	Manage Project Stakeholders	743	27	\$1,309.50	17	\$794.75	28	\$1,029.00	0	\$0.00	0	\$0.00	6	\$217.20	0	\$0.00	8	\$460.00	0	\$0.00	86	\$3,810.45
2.2.2	Design Drainage	778	2	\$97.00	34	\$1,589.50	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	36	\$1,686.50
2.2.4	Design Geometrics and Details	776	55	\$2,667.50	101	\$4,721.75	104	\$3,822.00	0	\$0.00	0	\$0.00	2	\$72.40	12	\$594.00	8	\$460.00	20	\$665.00	302	\$13,002.65
2.2.5	Develop Quantities and Estimates	786	4	\$194.00	12	\$561.00	24	\$882.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	40	\$1,637.00
2.3.14	Merge LiDAR Data	379	2	\$97.00	20	\$935.00	0	\$0.00	0	\$0.00	8	\$394.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	30	\$1,426.00
2.4.4	Analyze Natural Environment Impact	766	1	\$48.50	0	\$0.00	7	\$257.25	0	\$0.00	4	\$197.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	12	\$502.75
2.5.4	Design Structure	656	1	\$48.50	8	\$374.00	0	\$0.00	4	\$246.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	13	\$668.50
2.7.6	Coordinate Utilities	746	1	\$48.50	1	\$46.75	6	\$220.50	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	8	\$315.75
2.7.7	Coordinate Railroad	847	2	\$97.00	6	\$280.50	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	2	\$115.00	0	\$0.00	10	\$492.50
TOTAL:			99	\$4,801.50	199	\$9,303.25	169	\$6,210.75	4	\$246.00	12	\$591.00	12	\$434.40	12	\$594.00	18	\$1,035.00	20	\$665.00	545	\$23,860.50

Fee Computation Summary by Engineering Task - KL Engineering, Inc.

PROJECT TOTAL

Project: 4479-04-00

Outline	Task	Activity Code	Direct Labor Costs	Overhead Costs	Fixed Fee/Profit*	Direct Expenses	Total
1.1.2	Manage Project Scope and Schedule	887	\$338.80	\$525.65	\$61.41	\$0.00	\$925.86
1.4.1	Manage Project Stakeholders	743	\$3,810.45	\$5,911.91	\$690.64	\$161.60	\$10,574.60
2.2.2	Design Drainage	778	\$1,686.50	\$2,616.60	\$305.68	\$0.00	\$4,608.78
2.2.4	Design Geometrics and Details	776	\$13,002.65	\$20,173.61	\$2,356.73	\$79.13	\$35,612.12
2.2.5	Develop Quantities and Estimates	786	\$1,637.00	\$2,539.81	\$296.71	\$0.00	\$4,473.52
2.3.14	Merge LiDAR Data	379	\$1,426.00	\$2,212.44	\$258.46	\$0.00	\$3,896.90
2.4.4	Analyze Natural Environment Impact	766	\$502.75	\$780.02	\$91.12	\$0.00	\$1,373.89
2.5.4	Design Structure	656	\$668.50	\$1,037.18	\$121.17	\$0.00	\$1,826.85
2.7.6	Coordinate Utilities	746	\$315.75	\$489.89	\$57.23	\$0.00	\$862.87
2.7.7	Coordinate Railroad	847	\$492.50	\$764.11	\$89.27	\$0.00	\$1,345.88
TOTAL:			\$23,880.90	\$37,051.22	\$4,328.42	\$240.73	\$65,501.27

Home Office Overhead Rate:

1.5515

Percent Profit:

7.25%

*Fixed Fee calculated using 1.5 multiplier

Direct Expenses by Item - KL Engineering, Inc.

Project:

4479-04-00

Outline	Task Code	Item	Unit Amount	Unit Type	Rate	Total Expenses
1.4.1	743	Vehicle: Employee Owned	120	mile	\$0.655	\$78.60
		Travel: Meals (Lunch)	4	each	\$15.00	\$60.00
		Travel: Meals (Dinner)	1	each	\$23.00	\$23.00
2.2.4	776	Vehicle: Employee Owned	75	mile	\$0.655	\$49.13
		Travel: Meals (Lunch)	2	each	\$15.00	\$30.00
TOTAL						\$240.73

Consultant Contract Total Fee Computation - KL Engineering, Inc.

Project ID	4479-04-00				Total for Contract
Number of Staff Hours	545				545
Total Direct Labor	\$23,880.90				\$23,880.90
Total Overhead Costs	\$37,051.22				\$37,051.22
Fixed Fee/Profit	\$4,328.42				\$4,328.42
Direct Expenses	\$240.73				\$240.73
Subtotal	\$65,501.27	\$0.00	\$0.00	\$0.00	\$65,501.27
Subcontract 1					\$0.00
Subcontract 2					\$0.00
Subcontract 3					\$0.00
Subcontract 4					\$0.00
Subcontract 5					\$0.00
TOTAL COST (Rows 5-8, Subs):	\$65,501.27	\$0.00	\$0.00	\$0.00	\$65,501.27

Negotiated Overhead Rate: 1.5515

Percent Profit: 7.25%

VILLAGE BOARD MEETING

VILLAGE OF HARRISON

From:

Jarred Gerl, Fire Chief

Meeting Date:

November 28, 2023

Title:

Contract for Harrison Fire Rescue Computer Software

Issue:

The fire department is requesting Board approval to enter a contract for new software.

Background and Additional Information:

Harrison Fire Rescue is required to document and report all incidents and patient care reports to Federal and State governments. Currently, the Department contracts with and uses a program known as Emergency Reporting. Emergency Reporting was bought out by another company called ESO, and they are no longer providing updates to the Emergency Reporting platform.

In 2024, reporting standards are changing, and our current software reporting system will be obsolete. Chief Gerl and Secretary Smudde explored multiple software platforms and concluded EPR Systems would best suit the Department needs.

- NEMSIS 3.5 compliant EPCR's
- Less costly than competitors
- Allows for paperless/digital inspections
- Module for truck checks
- Old data can be imported

Budget Impacts:

The 2024 budget included \$7,500 in funding for software. EPR contract is \$5,233.

Recommended Action:

Staff recommends the Village Board authorize Harrison Fire Rescue to contract with EPR fire department software.

Attachments:

- [EPR Systems Quote.pdf](#)



QUOTE

4265704000057510014

Valid Till Jan 18, 2024
Sales Executive Scott Becker
Amount \$ 5,233.00

Bill To:
Harrison Fire Rescue
Jarred Gerl

Item & Description	Payment Type	List Price	Qty	Discount	Amount
Fire Bundle Fire RMS Bundle Includes- NFIRS, Inspections, Pre- Plans, Properties, Hydrants, and Investigations.	Recurring	\$ 2,481.00	1	\$ 0.00	\$ 2,481.00
BLS-ePCR Basic Life Support NEMSIS 3.5 Compliant Epcr	Recurring	\$ 2,000.00	1	\$ 0.00	\$ 2,000.00
Inventory/Maintenance/Work Order All Trucks	Recurring	\$ 252.00	1	\$ 0.00	\$ 252.00
Training and Implementation User end training	One time	\$ 250.00	1	\$ 0.00	\$ 250.00
Data Migration and Conversion All Emergency Reporting Data	One time	\$ 250.00	1	\$ 0.00	\$ 250.00

Recurring Fee Total	\$ 4,733.00
One Time Fee Total	\$ 500.00
Item Discount	\$ 0.00
Sub Total	\$ 5,233.00
Service Tax	\$ 0.00
Paid Amount	\$ 5,233.00

Authority Signature

Grand Total

\$ 5,233.00

Authorization Signature: _____

Accounts Payable Contact Name: _____

Title: _____

Accounts Payable Email/Number: _____

Date: _____

FDID Number: _____

Terms & Conditions

All One-Time Fee's shall be invoiced on the Effective Date.

During the first year, 100% of the remaining Fees shall be invoiced on the SaaS Subscription Start Date, which is 15 calendar days after the effective date.

VILLAGE BOARD MEETING

VILLAGE OF HARRISON

From:

Jarred Gerl, Fire Chief

Meeting Date:

November 28, 2023

Title:

Purchase Heavy Rescue Apparatus (Fire Truck) for Fire Station 60

Issue:

The heavy rescue vehicle at Station 60 is in need of replacement.

Background and Additional Information:

Heavy Rescue 63 is a 2005 Pierce model and based on the National Fire Protection Association (NFPA) 1901 Standard for Automotive Fire Apparatus, it recommends replacement after 15 years of service.

HR 63 will be 24 years old in 2024. The Village has escrowed funds for apparatus replacement and the committee is recommending purchase of a 2027 Pierce Enforcer Heavy Duty Rescue.

Since April, the apparatus committee has been meeting regularly to discuss options. The committee is comprised of nine members from both stations, with the Fire Chief serving as facilitator. When creating the requisition for purchase (RFP), the committee took into consideration and evaluated apparatus age, mechanical condition, costs, needs, and NFPA compliance.

RFP's were sent to six businesses:

- Pierce
- Seagrave
- Marion
- Custom Fire
- SVI
- HME

Of the six requests, two returned proposals: Pierce and Custom Fire.

- Pierce \$1,148,400. With prepayment discount \$989,555
- Custom Fire \$1,058,737,81

Proposals were evaluated and scored by the committee with Pierce being the recommended company for purchase.

Budget Impacts:

Use escrowed funding earmarked for the fire department to purchase. This would include the \$200,000 budgeted for escrow in 2024.

Recommended Action:

Authorize Harrison Fire Rescue to purchase the 2027 Pierce Enforcer Heavy Duty Rescue to not exceed the amount of \$1,148,400.

Attachments:

- [HR63 Replacement Purchase.pdf](#)
- [Harrison Rescue Proposal Specifications.pdf](#)
- [Harrison preliminary drawing 71172.pdf](#)

VILLAGE BOARD MEETING**From:**

Jarred Gerl, Fire Chief

VILLAGE OF HARRISON**Meeting Date:**

November 28, 2023

Title:

Replacement of Heavy Rescue 63 at Fire Station 60

Background and Additional Information:

Heavy Rescue 63 is a 2005 Pierce model and based on the National Fire Protection Association (NFPA) 1901 Standard for Automotive Fire Apparatus, it recommends replacement after 15 years of service. HR 63 will be 24 years old in 2024. The Village has escrowed funds for apparatus replacement and the committee is recommending purchase of a 2027 Pierce Enforcer Heavy Duty Rescue.

Since April, the apparatus committee has been meeting regularly to discuss options. The committee is comprised of nine members from both stations, with the Fire Chief serving as facilitator. When creating the requisition for purchase (RFP), the committee took into consideration and evaluated apparatus age, mechanical condition, costs, needs, and NFPA compliance.

RFP's were sent to six businesses:

- Pierce
- Seagrave
- Marion
- Custom Fire
- SVI
- HME

Of the six requests, two returned proposals: Pierce and Custom Fire.

- Pierce \$1,148,400. With prepayment discount \$989,555
- Custom Fire \$1,058,737,81

Proposals were evaluated and scored by the committee with Pierce being the recommended company for purchase.

Budget Impacts:

Use escrowed funding earmarked for the fire department to purchase.
This would include the \$200,000 budgeted for escrow in 2024.

Staff Recommendation:

Staff recommends the Village Board authorize Harrison Fire Rescue to purchase the 2027 Pierce Enforcer Heavy Duty Rescue to not exceed the amount of \$1,148,400.

Attachment:

Pierce RFP

F&E is pleased to submit a proposal to Harrison Fire Rescue for a **Pierce® Heavy Duty Rescue** per your request for quotation. The following paragraphs will describe in detail the apparatus, construction methods, and equipment proposed. This proposal will indicate size, type, model and make of components parts and equipment, providing proof of compliance with each and every item (except where noted) in the departments advertised specifications.

PIERCE MANUFACTURING was founded in 1913. Since then we have been building bodies with one philosophy, "BUILD THE FINEST". Our skilled craftsmen take pride in their work, which is reflected, in the final product. We have been building fire apparatus since the early "forties" giving Pierce Manufacturing over 75 years of experience in the fire apparatus market. Pierce Manufacturing has built and put into service more than 62,500 apparatus, including more than 33,900 on Pierce custom chassis designed and built specifically for fire and emergency applications. Our Appleton, Wisconsin facility has over 870,000 total square feet of floor space situated on approximately 105 acres of land. Our Bradenton, Florida facility has 300,000 square feet of floor space situated on approximately 38 acres of land.

Our beliefs in high ethical standards are carried through in all of our commitments and to everyone with whom we do business. Honesty, Integrity, Accountability and Citizenship are global tenets by which we all live and work. Consequently, we neither engage in, nor have we ever been convicted of price fixing, bid rigging, or collusion in any domestic or international fire apparatus market.

Pierce has only one brand of fire apparatus "Pierce", ensuring you are receiving top of the line product that meets your specification.

In accordance with the current edition of applicable NFPA standards, this proposal will specify whether the fire department, manufacturer, or apparatus dealership will provide required loose equipment.

Images and illustrative material in this proposal are as accurate as known at the time of publication, but are subject to change without notice. Images and illustrative material is for reference only, and may include optional equipment and accessories and may not include all standard equipment.

GENERAL DESIGN AND CONSTRUCTION

To control quality, ensure compatibility, and provide a single source for service and warranty, the custom cab, chassis, pump module and body will be entirely designed, assembled/welded and painted in Pierce owned manufacturing facilities. This includes, but not limited to the cab weldment, the pumphouse module assembly, the chassis assembly, the body and the electrical system.

QUALITY AND WORKMANSHIP

Pierce has set the pace for quality and workmanship in the fire apparatus field. Our tradition of building the highest quality units with craftsmen second to none has been the rule right from the beginning and we demonstrate that ongoing commitment by: Ensuring all steel welding follows American Welding Society D1.1-2004 recommendations for structural steel welding. All aluminum welding follows American Welding Society and ANSI D1.2-2003 requirements for structural welding of aluminum. All sheet metal welding follows American Welding Society B2.1-2000 requirements for structural welding of sheet metal. Our flux core arc welding uses alloy rods, type 7000 and is performed to American Welding Society standards A5.20-E70T1. Furthermore, all employees classified as welders are tested and certified to meet the American Welding Society codes upon hire and every three (3) years thereafter. Pierce also employs and American Welding Society certified welding inspector in plant during working hours to monitor weld quality.

Pierce Manufacturing operates a Quality Management System under the requirements of ISO 9001. These standards sponsored by the International Organization for Standardization (ISO) specify the quality systems that are established by the manufacturer for design, manufacture, installation and service. A copy of the certificate of compliance is included with this proposal.

In addition to the Quality Management system, we also employ a Quality Achievement Supplier program to insure the vendors and suppliers that we utilize meet the high standards we demand. That is just part of our overall "Quality at the Source" program at Pierce.

To demonstrate the quality of our products and services, a list of at least twenty five (25) fire departments/municipalities that have purchased vehicles for a second time is provided.

DELIVERY

The apparatus will be delivered under its own power to insure proper break-in of all components while the apparatus is still under warranty. A qualified delivery representative shall deliver the apparatus and remain for a sufficient length of time to instruct personnel in proper operation, care and maintenance of the equipment delivered.

MANUAL AND SERVICE INFORMATION

At time of delivery, complete operation and maintenance manuals covering the apparatus will be provided. A permanent plate will be mounted in the driver's compartment specifying the quantity and type of fluids required including engine oil, engine coolant, transmission, pump transmission lubrication, pump primer and drive axle.

SAFETY VIDEO

At the time of delivery Pierce will also provide one (1) 39-minute, professionally produced apparatus safety video, in DVD format. This video will address key safety considerations for personnel to follow when they are driving, operating, and maintaining the apparatus, including the following: vehicle pre-trip inspection, chassis operation, pump operation, aerial operation, and safety during maintenance.

PERFORMANCE TESTS

A road test will be conducted with the apparatus fully loaded and a continuous run of no less than ten (10) miles. During that time the apparatus will show no loss of power nor will it overheat. The transmission drive shaft or shafts and the axles will run quietly and be free of abnormal vibration or noise. The apparatus when fully loaded will not have less than 25 percent nor more than 50 percent on the front axle, and not less than 50 percent nor more than 75 percent on the rear axle. The apparatus will meet the current edition of applicable NFPA standards acceleration and braking requirements.

SERVICE AND WARRANTY SUPPORT

Pierce dealership support will be provided by Red Power Diesel operating with FAE as a Pierce authorized service center. The service center will have factory-trained mechanics on staff versed in Pierce fire apparatus. The service facility will be located within fifty (50) miles of the fire department.

In addition to the dealership, Pierce has service facilities located in both, Weyauwega, Wisconsin and Bradenton, Florida. Pierce also maintains a dedicated parts facility of over 100,000 square feet in Appleton, Wisconsin. The parts facility stocks in excess of \$5,000,000 in parts dedicated to service and

replacement parts. The parts facility employs a staff dedicated solely for the distribution and shipment of service and replacement parts.

Service parts for the apparatus being proposed can be found via Pierceparts.com which, is an interactive online tool that delivers information regarding your specific apparatus as well as the opportunity to register for training classes.

As a Pierce customer you have the ability to view the complete bill of materials for your specific apparatus, including assembly drawings, piece part drawings, and beneficial parts notations. You will also have the ability to search the complete Pierce item master through a parts search function which offers all Pierce SKU's and descriptions offered on all Pierce apparatus. Published component catalogs, which include proprietary systems along with an extensive operators manual library is available for easy reference.

Pierce Manufacturing maintains a dedicated service and warranty staff of over 35 personnel, dedicated to customer support, which also maintains a 24 hour 7 day a week toll free hot line, four (4) on staff EVT's, and offers hands-on repair and maintenance training classes multiple times a year.

LIABILITY

The successful bidder will defend any and all suits and assume all liability for the use of any patented process including any device or article forming a part of the apparatus or any appliance furnished under the contract.

INSURANCE PROVIDED BY BIDDER

COMMERCIAL GENERAL LIABILITY INSURANCE

The successful bidder will, during the performance of the contract and for three (3) years following acceptance of the product, keep in force at least the following minimum limits of commercial general liability insurance:

Each Occurrence\$1,000,000

Products/Completed Operations Aggregate\$1,000,000

Personal and Advertising Injury\$1,000,000

General Aggregate\$2,000,000

Coverage will be written on a Commercial General Liability form. The policy will be written on an occurrence form and will include Contractual Liability coverage for bodily injury and property damage subject to the terms and conditions of the policy. The policy will include Owner as an additional insured when required by written contract.

COMMERCIAL AUTOMOBILE LIABILITY INSURANCE

The successful bidder will, during the performance of the contract, keep in force at least the following minimum limits of commercial automobile liability insurance and coverage will be written on a Commercial Automobile liability form:

Each Accident Combined Single Limit:\$1,000,000

UMBRELLA/EXCESS LIABILITY INSURANCE

The successful bidder will, during the performance of the contract and for three (3) years following acceptance of the product, keep in force at least the following minimum limits of umbrella liability insurance:

Aggregate:\$3,000,000

Each Occurrence:\$3,000,000

The umbrella policy will be written on an occurrence basis and at a minimum provide excess to the bidder's General Liability and Automobile Liability policies.

The required limits can be provided by one (1) or more policies provided all other insurance requirements are met.

Coverage will be provided by a carrier(s) rated A- or better by A.M. Best.

All policies will provide a 30-day notice of cancellation to the named insured. The Certificate of Insurance will provide the following cancellation clause: Should any of the above described policies be cancelled before the expiration date thereof, notice will be delivered in accordance with the policy provisions.

Bidder agrees to furnish owner with a current Certificate of Insurance with the coverages listed above along with the bid. The certificate will show the purchaser as certificate holder.

INSURANCE PROVIDED BY MANUFACTURER

PRODUCT LIABILITY INSURANCE

The manufacturer will, during the performance of the contract and for three (3) years following acceptance of the product, keep in force at least the following minimum limits of Product Liability insurance:

Each Occurrence\$1,000,000

Products/Completed Operations Aggregate\$1,000,000

Coverage will be written on a Commercial General Liability form. The policy will be written on an occurrence form. The manufacturer's policy will include the owner as additional insured when required by written contract between the Owner and a Pierce authorized dealer.

UMBRELLA/EXCESS LIABILITY INSURANCE

The manufacturer will, during the performance of the contract and for three (3) years following acceptance of the product, keep in force at least the following minimum limits of umbrella liability insurance:

Each Occurrence:\$25,000,000

Aggregate:\$25,000,000

The umbrella policy will be written on an occurrence basis and provide excess to the manufacturer's General Liability/Products policies.

The required limits can be provided by one (1) or more policies provided all other insurance requirements are met.

Coverage will be provided by a carrier(s) rated A- or better by A.M. Best.

All policies will provide a 30-day notice of cancellation to the named insured. The Certificate of Insurance will provide the following cancellation clause: Should any of the above described policies be cancelled before the expiration date thereof, notice will be delivered in accordance with the policy provisions.

Manufacturer agrees to furnish owner with a current Certificate of Insurance with the coverages listed above along with the bid. The certificate will show the purchaser as the certificate holder.

SINGLE SOURCE MANUFACTURER

Pierce Manufacturing, Inc. provides an integrated approach to the design and manufacture of our products that delivers superior apparatus and a dedicated support team. From our facilities, the chassis, cab weldment, cab, pumphouse (including the sheet metal enclosure, valve controls, piping and operators panel) and body will be entirely designed, tested, and hand assembled to the customer's exact specifications. The electrical system either hardwired or multiplexed, will be both designed and integrated by Pierce Manufacturing. The warranties relative to these major components (excluding component warranties such as engine, transmission, axles, pump, etc.) will be provided by Pierce as a single source manufacturer. Pierce's single source solution adds value by providing a fully engineered product that offers durability, reliability, maintainability, performance, and a high level of quality.

Your apparatus will be manufactured in Appleton, Wisconsin.

NFPA 2016 STANDARDS

This unit will comply with the NFPA standards effective January 1, 2016, except for fire department directed exceptions. These exceptions will be set forth in the Statement of Exceptions.

Certification of slip resistance of all stepping, standing and walking surfaces will be supplied with delivery of the apparatus.

All horizontal surfaces designated as a standing or walking surface that are greater than 48.00" above the ground must be defined by a 1.00" wide line along its outside perimeter. Perimeter markings and designated access paths to destination points will be identified on the customer approval print and are shown as approximate. Actual location(s) will be determined based on materials used and actual conditions at final build. Access paths may pass through hose storage areas and opening or removal of covers or restraints may be required. Access paths may require the operation of devices and equipment such as the aerial device or ladder rack.

A plate that is highly visible to the driver while seated will be provided. This plate will show the overall height, length, and gross vehicle weight rating.

The manufacturer will have programs in place for training, proficiency testing and performance for any staff involved with certifications.

An official of the company will designate, in writing, who is qualified to witness and certify test results.

NFPA COMPLIANCY

Apparatus proposed by the bidder will meet the applicable requirements of the National Fire Protection Association (NFPA) as stated in current edition at time of contract execution. Fire department's specifications that differ from NFPA specifications will be indicated in the proposal as "non-NFPA".

GENERATOR TEST

If the unit has a generator, the generator will be tested, approved, and certified by Underwriters Laboratories at the manufacturer's expense. The test results will be provided to the Fire Department at the time of delivery.

BREATHING AIR TEST

If the unit has breathing air, Pierce Manufacturing will draw an air sample from the air system and certify that the air quality meets the requirements of NFPA 1989, *Standard on Breathing Air Quality for Fire and Emergency Services Respiratory Protection*.

VEHICLE INSPECTION PROGRAM CERTIFICATION

To assure the vehicle is built to current NFPA 1901 standards, the apparatus, in its entirety, will be third-party, independent, audit-certified through Underwriters Laboratory (UL) that it is built and complies to all applicable standards in the current edition. The certification includes: all design, production, operational, and performance testing of not only the apparatus, but those components that are installed on the apparatus.

A placard will be affixed in the driver's side area stating the third party agency, the date, the standard and the certificate number of the whole vehicle audit.

BID BOND

A bid bond as security for the bid in the form of a 10% bid bond will be provided with the proposal. This bid bond will be issued by a Surety Company who is listed on the U.S. Treasury Departments list of acceptable sureties as published in Department Circular 570. The bid bond will be issued by an authorized representative of the Surety Company and will be accompanied by a certified power of attorney dated on or before the date of bid. The bid bond will include language which assures that the bidder/principal will give a bond or bonds, as may be specified in the bidding or contract documents, with good and sufficient surety for the faithful performance of the contract, including the Basic One (1) Year Limited Warranty, and for the prompt payment of labor and material furnished in the prosecution of the contract.

Notwithstanding any document or assertion to the contrary, any surety bond related to the sale of a vehicle will apply only to the Basic One (1) Year Limited Warranty for such vehicle. Any surety bond related to the sale of a vehicle will not apply to any other warranties that are included within this bid (OEM or otherwise) or to the warranties (if any) of any third party of any part, component, attachment or accessory that is incorporated into or attached to the vehicle. In the event of any contradiction or inconsistency between this provision and any other document or assertion, this provision will prevail.

PERFORMANCE BOND NOT REQUESTED

A performance bond will not be included. If requested at a later date, one will be provided to you for an additional cost and the following will apply:

The successful bidder will furnish a Performance and Payment bond (Bond) equal to 100 percent of the total contract amount within 30 days of the notice of award. Such Bond will be in a form acceptable to the Owner and issued by a surety company included within the Department of Treasury's Listing of Approved Sureties (Department Circular 570) with a minimum A.M. Best Financial Strength Rating of A and Size Category of XV. In the event of a bond issued by a surety of a lesser Size Category, a minimum Financial Strength rating of A+ is required.

Bidder and Bidder's surety agree that the Bond issued hereunder, whether expressly stated or not, also includes the surety's guarantee of the vehicle manufacturer's Bumper to Bumper warranty period included within this proposal. Owner agrees that the penal amount of this bond will be simultaneously amended to 25 percent of the total contract amount upon satisfactory acceptance and delivery of the vehicle(s) included herein. Notwithstanding anything contained within this contract to the contrary, the surety's liability for any warranties of any type will not exceed three (3) years from the date of such satisfactory acceptance and delivery, or the actual Bumper to Bumper warranty period, whichever is shorter.

Due to global supply chain constraints, any delivery date contained herein is a good faith estimate as of the date of this order/contract, and merely an approximation based on current information. Delivery updates will be made available, and a final firm delivery date will be provided as soon as possible.

If the Producer Price Index of Components for Manufacturing [www.bls.gov Series ID: WPUID6112] ("PPI") has increased at a compounded annual growth rate of 5.0% or more between the month Pierce accepts the order ("Order Month") and a month 14 months prior to the then predicted Ready For Pickup date ("Evaluation Month"), then pricing may be updated in an amount equal to the increase in PPI over 5.0% for each year or fractional year between the Order Month and the Evaluation Month.

The seller will document any such updated price for the customer's approval before proceeding and provide an option to cancel the order.

APPROVAL DRAWING

A drawing of the proposed apparatus will be prepared and provided to the purchaser for approval before construction begins. The Pierce sales representative will also be provided with a copy of the same drawing. The finalized and approved drawing will become part of the contract documents. This drawing will indicate the chassis make and model, location of the lights, siren, horns, compartments, major components, etc.

A "revised" approval drawing of the apparatus will be prepared and submitted by Pierce to the purchaser showing any changes made to the approval drawing.

ELECTRICAL WIRING DIAGRAMS

Two (2) electrical wiring diagrams, prepared for the model of chassis and body, will be provided.

ENFORCER CHASSIS

The Pierce Enforcer™ is the custom chassis developed exclusively for the fire service. Chassis provided will be a new, tilt-type custom fire apparatus. The chassis will be manufactured in the apparatus body

builder's facility eliminating any split responsibility. The chassis will be designed and manufactured for heavy-duty service, with adequate strength, capacity for the intended load to be sustained, and the type of service required. The chassis will be the manufacturer's first line tilt cab.

WHEELBASE

The wheelbase of the vehicle will be 208".

GVW RATING

The gross vehicle weight rating will be 47,000#.

FRAME

The chassis frame will be built with two (2) steel channels bolted to five (5) cross members or more, depending on other options of the apparatus. The side rails will have a 13.38" tall web over the front and mid sections of the chassis, with a continuous smooth taper to 10.75" over the rear axle. Each rail will have a section modulus of 25.992 cubic inches and a resisting bending moment (rbm) of 3,119,040 in-lb over the critical regions of the frame assembly, with a section modulus of 18.96 cubic inches with an rbm of 2,275,200 in-lb over the rear axle. The frame rails will be constructed of 120,000 psi yield strength heat-treated 0.38" thick steel with 3.50" wide flanges.

FRONT AXLE

The front axle will be a reverse "I" beam type with inclined king pins. It will be a Dana axle, Model D-2000F, with a rated capacity of 20,000 lb.

FRONT SUSPENSION

The front springs will be a Standens, three (3)-leaf, taper leaf design, 54.00" long x 4.00" wide, with a ground rating of 20,000 lb.

The two (2) top leaves will wrap the forward spring hanger pin. The top leaf will also wrap the rear spring hanger pin. Both the front and rear eyes will be Berlin style wraps that will place the eyes in the horizontal plane within the main leaf. This will reduce bending stress from acceleration and braking.

A steel encased rubber bushing will be used in the spring eye. The steel encased rubber bushing will be maintenance free and require no lubrication.

SHOCK ABSORBERS

To provide a smoother ride, the front axle will be furnished with heavy-duty telescoping shock absorbers.

FRONT OIL SEALS

Oil seals with viewing window will be provided on the front axle.

FRONT TIRES

Front tires will be Michelin 425/65R22.50 radials, 20 ply XZE wide base tread, rated for 22,800 lb maximum axle load and 68 mph maximum speed.

The tires will be mounted on Alcoa© 22.50" x 12.25" Dura-Bright® polished aluminum disc type wheels with a ten (10) stud, 11.25" bolt circle.

REAR AXLE

The rear axle will be a Dana, Model S26-190, with a capacity of 27,000 lb.

TOP SPEED OF VEHICLE

A rear axle ratio will be furnished to allow the vehicle to reach a top speed of 68 mph / 109 kph.

REAR SUSPENSION

The rear suspension will be Standens, semi-elliptical, 3.00" wide x 53.00" long, 12-leaf pack with a ground rating of 27,000 lb. The spring hangers will be castings.

The two (2) top leaves will wrap the forward spring hanger pin, and the rear of the spring will be a slipper style end that will ride in a rear slipper hanger. To reduce bending stress due to acceleration and braking, the front eye will be a berlin eye that will place the front spring pin in the horizontal plane within the main leaf.

A steel encased rubber bushing will be used in the spring eye. The steel encased rubber bushing will be maintenance free and require no lubrication.

REAR OIL SEALS

Oil seals will be provided on the rear axle(s).

REAR TIRES

Rear tires will be four (4) Michelin 315/80R22.50 radials, 20 ply XDN2 Grip traction tread, rated for 33,080 lb maximum axle load and 75 mph maximum speed.

REAR WHEELS

The outside tires will be mounted on Alcoa© 22.50" x 9.00" aluminum, with Dura-Bright® finish, disc wheels with a ten (10) stud, 11.25" bolt circle.

The inside tires will be mounted on 22.50" x 9.00" steel disc wheels with a ten (10) stud, 11.25" bolt circle.

An isolator will be provided between the steel and aluminum rims.

TIRE BALANCE

All tires will be balanced with Counteract balancing beads. The beads will be inserted into the tire and eliminate the need for wheel weights.

TIRE PRESSURE MANAGEMENT

There will be a RealWheels LED AirSecure™ tire alert pressure management system provided, that will monitor each tire's pressure. A sensor will be provided on the valve stem of each tire for a total of six (6) tires.

The sensor will calibrate to the tire pressure when installed on the valve stem for pressures between 10 and 200 psi. The sensor will activate an integral battery operated LED when the pressure of that tire drops 5 to 8 psi.

Removing the cap from the sensor will indicate the functionality of the sensor and battery. If the sensor and battery are in working condition, the LED will immediately start to flash.

CHROME LUG NUT COVERS

Chrome lug nut covers will be supplied on front and rear wheels.

FRONT HUB COVERS

Stainless steel hub covers will be provided on the front axle. An oil level viewing window will be provided.

MUD FLAPS

Mud flaps with a Pierce logo will be installed behind the front and rear wheels.

WHEEL CHOCKS

There will be one (1) pair of folding Ziamatic, Model SAC-44-E, aluminum alloy, Quick-Choc wheel blocks, with easy-grip handle provided.

Wheel Chock Brackets

There will be one (1) pair of Zico, Model SQCH-44-H, horizontal mounting wheel chock brackets provided for the Ziamatic, Model SAC-44-E, folding wheel chocks. The brackets will be made of aluminum and consist of a quick release spring loaded rod to hold the wheel chocks in place. The brackets will be mounted below the left side rear compartment.

ANTI-LOCK BRAKE SYSTEM

The vehicle will be equipped with a Meritor WABCO 4S4M, anti-lock braking system. The ABS will provide a 4-channel anti-lock braking control on both the front and rear wheels. A digitally controlled system that utilizes microprocessor technology will control the anti-lock braking system. Each wheel will be monitored by the system. When any particular wheel begins to lockup, a signal will be sent to the control unit. This control unit then will reduce the braking of that wheel for a fraction of a second and then reapply the brake. This anti-lock brake system will eliminate the lockup of any wheel thus helping to prevent the apparatus from skidding out of control.

BRAKES

The service brake system will be full air type by Bendix®.

Front brakes will be Model ADB22X™, disc type with automatic pad wear adjustment and 17.00" rotors for improved stopping distance.

The rear brakes will be Bendix™ 16.50" x 8.63" cam operated with automatic slack adjusters.

BRAKE SYSTEM AIR COMPRESSOR

The air compressor will be a Cummins/WABCO with 18.7 cubic feet per minute output.

BRAKE SYSTEM

The brake system will include:

- Brake treadle valve
- Heated automatic moisture ejector on air dryer
- Total air system minimum capacity of 4,272 cubic inches
- Two (2) air pressure gauges with a red warning light and an audible alarm, that activates when air pressure falls below 60 psi
- Spring set parking brake system

- Parking brake operated by a push-pull style control valve
- A parking "brake on" indicator light on instrument panel
- Park brake relay/inversion and anti-compounding valve, in conjunction with a double check valve system, with an automatic spring brake application at 40 psi
- A pressure protection valve to prevent all air operated accessories from drawing air from the air system when the system pressure drops below 80 psi (550 kPa)
- 1/4 turn drain valves on each air tank

The air tank will be primed and painted to meet a minimum 750 hour salt spray test.

To reduce the effects of corrosion, the air tank will be mounted with stainless steel brackets.

BRAKE SYSTEM AIR DRYER

The air dryer will be WABCO System Saver 1200 with spin-on coalescing filter cartridge and 100 watt heater.

BRAKE LINES

Color-coded nylon brake lines will be provided. The lines will be wrapped in a heat protective loom in the chassis areas that are subject to excessive heat.

AIR INLET

One (1) air inlet with 3D series male coupling will be provided. It will allow station air to be supplied to the apparatus brake system through a shoreline hose. The inlet will be located forward in the driver side lower step well of cab. A check valve will be provided to prevent reverse flow of air. The inlet will discharge into the "wet" tank of the brake system. A mating female fitting will also be provided with the loose equipment.

AIR COMPRESSOR - BRAKE SYSTEM MAINTENANCE

A Kussmaul, Model 091-9, air compressor will be provided. It will be electric motor driven by the 12-volt chassis electrical system and will be located near ceiling in RS4/LS4. Compressor will maintain the air pressure in the chassis air brake system while the vehicle is not in use. A pressure switch will sense when the system pressure drops and automatically start the compressor, which will then run until pressure is restored.

There will be an auto pump timer installed between the pressure switch and the pump that will allow the pump to run for 1 hour than shut down for 1 hour.

ENGINE

The chassis will be powered by an electronically controlled engine as described below:

Make:	Cummins
Model:	X10
Power:	450 hp at 2100 rpm
Torque:	1250 lb-ft at 1400 rpm
Governed Speed:	2200 rpm
Emissions Level:	EPA 2027
Fuel:	Diesel

Cylinders:	Six (6)
Displacement:	606 cubic inches (9.9L)
Starter:	Delco 39MT™
Fuel Filters:	Spin-on style primary filter with water separator and water-in-fuel sensor. Secondary spin-on style filter.

The engine will include On-board diagnostics (OBD), which provides self diagnostic and reporting. The system will give the owner or repair technician access to state of health information for various vehicle sub systems. The system will monitor vehicle systems, engine and after treatment. The system will illuminate a malfunction indicator light on the dash console if a problem is detected.

Engine contingency of \$20,000 is included in pricing. If 2027 engine is less than anticipated, this amount will be refunded to the department.

HIGH IDLE

A high idle switch will be provided, inside the cab, on the instrument panel, that will automatically maintain a preset engine rpm. A switch will be installed, at the cab instrument panel, for activation/deactivation.

The high idle will be operational only when the parking brake is on and the truck transmission is in neutral. A green indicator light will be provided, adjacent to the switch. The light will illuminate when the above conditions are met. The light will be labeled "OK to Engage High Idle."

ENGINE BRAKE

A Jacobs® engine brake is to be installed with the controls located on the instrument panel within easy reach of the driver.

The driver will be able to turn the engine brake system on/off and have a high, medium and low setting.

The engine brake will activate when the system is on and the throttle is released.

The high setting of the brake application will activate and work simultaneously with the variable geometry turbo (VGT) provided on the engine.

The engine brake will be installed in such a manner that when the engine brake is slowing the vehicle the brake lights are activated.

The ABS system will automatically disengage the auxiliary braking device, when required.

CLUTCH FAN

A fan clutch will be provided. The fan clutch will be automatic when the pump transmission is in "Road" position, and constantly engaged when in "Pump" position.

ENGINE AIR INTAKE

The engine air intake will be located above the engine cooling package. It will draw fresh air from the front of the apparatus through the radiator grille.

The ember separator is designed to prevent road dirt and recirculating hot air from entering the engine.

The ember separator will be easily accessible by tilting the cab.

EXHAUST SYSTEM

The exhaust system will be stainless steel from the turbo to the engine's aftertreatment device. The exhaust system will include an aftertreatment device to meet current EPA standards. An insulation wrap will be provided on all exhaust pipe between the turbo and the aftertreatment device to minimize the transfer of heat to the cab.

The exhaust will terminate horizontally ahead of the right side rear wheels and will be flush with the body rub rail . The exhaust pipes will be aluminized steel.

There will be an aluminized steel exhaust diffuser reduced to 4.00" in the center to accommodate the fire department's air recovery system with a standard straight tip on the end provided to reduce the temperature of the exhaust as it exits. Heat deflector shields will be provided to isolate chassis and body components from the heat of the tailpipe diffuser.

RADIATOR

The radiator and the complete cooling system will meet or exceed NFPA and engine manufacturer cooling system standards.

For maximum corrosion resistance and cooling performance, the entire radiator core will be constructed using long life aluminum alloy. The radiator core will consist of aluminum fins, having a serpentine design, brazed to aluminum tubes.

The radiator core will have a minimum front area of 1060 square inches.

Supply tank will be made of heavy duty glass-reinforced nylon and the return tank will be made of aluminum. Both tanks will be crimped onto the core assembly using header tabs and a compression gasket to complete the radiator core assembly. There will be a full steel frame around the inserts to enhance cooling system durability and reliability.

The radiator will be compatible with commercial antifreeze solutions.

The radiator assembly will be isolated from the chassis frame rails with rubber isolators to prevent the development of leaks caused by twisting or straining when the apparatus operates over uneven terrain.

The radiator will include a de-aeration/expansion tank. For visual coolant level inspection, the radiator will have a built-in sight glass. The radiator will be equipped with a 15 psi pressure relief cap.

A drain port will be located at the lowest point of the cooling system and/or the bottom of the radiator to permit complete flushing of the coolant from the system.

Shields or baffles will be provided to prevent recirculation of hot air to the inlet side of the radiator.

COOLANT LINES

Gates, or Goodyear, rubber hose will be used for all engine coolant lines installed by Pierce Manufacturing.

Hose clamps will be stainless steel constant torque type to prevent coolant leakage. They will expand and contract according to coolant system temperature thereby keeping a constant clamping pressure on the hose.

FUEL TANK

A 65 gallon fuel tank will be provided and mounted at the rear of the chassis. The tank will be constructed of 12-gauge, hot rolled steel. It will be equipped with swash partitions and a vent. To eliminate the effects of corrosion, the fuel tank will be mounted with stainless steel straps.

A 0.75" drain plug will be located in a low point of the tank for drainage.

A fill inlet will be located on the left hand side of the body and is covered with a hinged, spring loaded, stainless steel door that is marked "Ultra Low Sulfur - Diesel Fuel Only."

A 0.50" diameter vent will be installed from tank top to just below fuel fill inlet.

The fuel tank will meet all FHWA 393.67 requirements including a fill capacity of 95 percent of tank volume.

All fuel lines will be provided as recommended by the engine manufacturer.

DIESEL EXHAUST FLUID TANK

A 4.5 gallon diesel exhaust fluid (DEF) tank will be provided and mounted in the driver's side body rearward of the rear axle.

A 0.50" drain plug will be provided in a low point of the tank for drainage.

A fill inlet will be provided and marked "Diesel Exhaust Fluid Only". The fill inlet will be located adjacent to the engine fuel inlet behind a common hinged, spring loaded, polished stainless steel door on the driver side of the vehicle.

The tank will meet the engine manufacturers requirement for 10 percent expansion space in the event of tank freezing.

The tank will include an integrated heater unit that utilizes engine coolant to thaw the DEF in the event of freezing.

FUEL PRIMING PUMP

A Cummins automatic electronic fuel priming pump will be integrated as part of the engine.

TRANSMISSION

An Allison 6th generation, Model EVS 3000P, electronic torque converting automatic transmission will be provided.

The transmission will be equipped with prognostics to monitor oil life, filter life, and transmission health. A wrench icon on the shift selector's digital display will indicate when service is due.

Two (2) PTO openings will be located on both sides of converter housing (positions 4 o'clock and 8 o'clock) as viewed from the rear.

A transmission temperature gauge with amber light and audible alarm will be installed on the cab dash.

TRANSMISSION SHIFTER

A five (5)-speed push button shift module will be mounted to right of driver on console. Shift position indicator will be indirectly lit for after dark operation.

The transmission ratio will be:

1st	3.49 to 1.00
2nd	1.86 to 1.00
3rd	1.41 to 1.00
4th	1.00 to 1.00
5th	0.75 to 1.00
R	5.03 to 1.00

TRANSMISSION COOLER

A Modine plate and fin transmission oil cooler will be provided using engine coolant to control the transmission oil temperature.

DRIVELINE

Drivelines will be a heavy-duty metal tube and be equipped with Spicer® 1710 universal joints.

The shafts will be dynamically balanced before installation.

A splined slip joint will be provided in each driveshaft where the driveline design requires it. The slip joint will be coated with Glidecoat® or equivalent.

STEERING

Dual steering gear, with integral heavy-duty power steering, will be provided. For reduced system temperatures, the power steering will incorporate an air to oil cooler and Vickers® V20NF hydraulic pump with integral pressure and flow control. All power steering lines will have wire braded lines with crimped fittings.

A tilt and telescopic steering column will be provided to improve fit for a broader range of driver configurations.

STEERING WHEEL

The steering wheel will be 18.00" in diameter, have tilting and telescoping capabilities, and a four (4)-spoke design.

There will be a switch pod provided on the left side of the steering wheel between the spokes. The switch pods will be an integral part of the steering wheel. The following switches will be provided:

- Windshield wash
- Wiper intermittent speed increase
- Wiper intermittent speed decrease
- Hi/Lo wiper speed

- Wiper off

HITCH RECEIVER

A hitch receiver will be provided at the front of the vehicle, center position under the bumper extension. The hitch will be a receiver for a 2.00" trailer ball insert and a portable winch with a maximum weight rating of 10,000 lb.

BUMPER

A one (1)-piece, 0.25" thick steel channel bumper, a minimum 10.00" high will be attached to the front of the chassis frame. The bumper will be painted job color.

A 9.00" formed steel channel will be mounted directly behind bumper for additional strength.

The bumper will be extended 10.00" from front face of cab.

Gravel Pan

A gravel pan, constructed of bright aluminum treadplate, will be furnished between the bumper and cab face. The gravel pan will be properly supported from the underside to prevent flexing and vibration of the aluminum treadplate.

TOW HOOKS

Two (2) chromed steel tow hooks will be installed under the bumper and attached to the front frame members. The tow hooks will be designed and positioned to allow up to a 6,000 lb straight horizontal pull in line with the centerline of the vehicle. The tow hooks will not be used for lifting of the apparatus.

FRONT BUMPER NOTCH

The front bumper will be notched for recessing of the Q2B siren. The notch will be designed so that the bumper is one (1) continuous piece. The notch will be welded in place for strength with a continuous top and bottom flange. All areas will be polished for appearance. The siren will be located TBD of the bumper.

FRONT BUMPER UL-LX COATING

Protective black UL-LX® coating will be provided on the outside exterior of the top front bumper flange. It will not be sprayed on the underside of the flange.

The lining will be properly installed by an authorized UL-LX dealer.

UL-LX COATING - FRONT BUMPER TRAY

Protective UL-LX® coating will be provided for one (1) bumper tray(s) located Q notch.

The UL-LX® will be black in color.

The coating will be properly installed by an authorized UL-LX® dealer.

CAB

The Enforcer cab will be designed specifically for the fire service and manufactured by the chassis builder.

The cab will be built by the apparatus manufacturer in a facility located on the manufacturer's premises.

For reasons of structural integrity and enhanced occupant protection, the cab will be a heavy duty design, constructed to the following minimal standards.

The cab will have 12 main vertical structural members located in the A-pillar (front cab corner posts), B-pillar (side center posts), C-pillar (rear corner posts), and rear wall areas. The A-pillar will be constructed of solid A356-T5 aluminum castings. The B-pillar and C-pillar will be constructed from 0.13" wall extrusions. The rear wall will be constructed of two (2) 2.00" x 2.00" outer aluminum extrusions and two (2) 2.00" x 1.00" inner aluminum extrusions. All main vertical structural members will run from the floor to 4.625" x 3.864" x 0.090" thick roof extrusions to provide a cage-like structure with the A-pillar and roof extrusions being welded into a 0.25" thick corner casting at each of the front corners of the roof assembly.

The front of the cab will be constructed of a 0.13" firewall plate, covered with a 0.090" front skin (for a total thickness of 0.22"), and reinforced with a full width x 0.50" thick cross-cab support located just below the windshield and fully welded to the engine tunnel. The cross-cab support will run the full width of the cab and weld to each A-pillar, the 0.13" firewall plate, and the front skin.

The cab floors will be constructed of 0.125" thick aluminum plate and reinforced at the firewall with an additional 0.25" thick cross-floor support providing a total thickness of 0.375" of structural material at the front floor area. The front floor area will also be supported with two (2) triangular 0.30" wall extrusions that also provides the mounting point for the cab lift. This tubing will run from the floor wireway of the cab to the engine tunnel side plates, creating the structure to support the forces created when lifting the cab.

The cab will be 96.00" wide (outside door skin to outside door skin) to maintain maximum maneuverability.

The forward cab section will have an overall height (from the cab roof to the ground) of approximately 99.00". The crew cab section will have a 24.00" raised roof, with an overall cab height of approximately 123.00". The overall height listed will be calculated based on a truck configuration with the lowest suspension weight rating, the smallest diameter tires for the suspension, no water weight, no loose equipment weight, and no personnel weight. Larger tires, wheels, and suspension will increase the overall height listed.

The floor to ceiling height inside the crew cab will be 78.50" in the center and outboard positions.

The crew cab floor will measure 46.00" from the rear wall to the back side of the rear facing seat risers.

The medium block engine tunnel, at the rearward highest point (knee level), will measure 61.50" to the rear wall. The big block engine tunnel will measure 51.50" to the rear wall.

The crew cab will be a totally enclosed design with the interior area completely open to improve visibility and verbal communication between the occupants.

The cab will be a full tilt cab style.

A 3-point cab mount system with rubber isolators will improve ride quality by isolating chassis vibrations from the cab.

CAB ROOF DRIP RAIL

For enhanced protection from inclement weather, a drip rail will be furnished on the sides of the cab. The drip rail will be painted to match the cab roof, and bonded to the sides of the cab. The drip rail will extend the full length of the cab roof.

INTERIOR CAB INSULATION

The cab will include 1.00" insulation in the ceiling, 1.50" insulation in the side walls, and 2.00" insulation in the rear wall to maximize acoustic absorption and thermal insulation.

FENDER LINERS

Full circular inner fender liners in the wheel wells will be provided.

PANORAMIC WINDSHIELD

A 1-piece safety glass windshield will be provided with over 2,775 square inches of clear viewing area. The windshield will be full width and will provide the occupants with a panoramic view. The windshield will consist of three (3) layers: outer light, middle safety laminate, and inner light. The outer light layer will provide superior chip resistance. The middle safety laminate layer will prevent the windshield glass pieces from detaching in the event of breakage. The inner light will provide yet another chip resistant layer. The cab windshield will be bonded to the aluminum windshield frame using a urethane adhesive. A custom frit pattern will be applied on the outside perimeter of the windshield for a finished automotive appearance.

WINDSHIELD WIPERS

Three (3) electric windshield wipers with washer will be provided that meet FMVSS and SAE requirements.

The washer reservoir will be able to be filled without raising the cab.

ENGINE TUNNEL

Engine hood side walls will be constructed of 0.375" aluminum. The top will be constructed of 0.125" aluminum and will be tapered at the top to allow for more driver and passenger elbow room.

The engine hood will be insulated for protection from heat and sound. The noise insulation keeps the dBA level within the limits stated in the current edition of applicable NFPA standards.

The engine tunnel will be no higher than 17.00" off the crew cab floor.

CAB REAR WALL EXTERIOR COVERING

The exterior surface of the rear wall of the cab will be overlaid with bright aluminum treadplate except for areas that are not typically visible when the cab is lowered.

CAB LIFT

A hydraulic cab lift system will be provided consisting of an electric powered hydraulic pump, dual lift cylinders, and necessary hoses and valves.

Lift controls will be located on the right side pump panel or front area of the body in a convenient location.

The cab will be capable of tilting 43 degrees to accommodate engine maintenance and removal.

The cab will be locked down by a 2-point normally closed spring loaded hook type latch that fully engages after the cab has been lowered. The system will be hydraulically actuated to release the normally closed

locks when the cab lift control is in the raised position and cab lift system is under pressure. When the cab is completely lowered and system pressure has been relieved, the spring loaded latch mechanisms will return to the normally closed and locked position.

The hydraulic cylinders will be equipped with a velocity fuse that protects the cab from accidentally descending when the control is located in the tilt position.

For increased safety, a redundant mechanical stay arm will be provided that must be manually put in place on the left side between the chassis and cab frame when the cab is in the raised position. This device will be manually stowed to its original position before the cab can be lowered.

Cab Lift Interlock

The cab lift system will be interlocked to the parking brake. The cab tilt mechanism will be active only when the parking brake is set and the ignition switch is in the on position. If the parking brake is released, the cab tilt mechanism will be disabled.

GRILLE

A bright finished aluminum mesh grille screen, inserted behind a bright finished grille surround, will be provided on the front center of the cab.

DOOR JAMB SCUFFPLATES

All cab door jambs will be furnished with a 1.00" polished stainless steel scuffplate, mounted on the striker side of the jamb.

SIDE OF CAB MOLDING

Chrome molding will be provided on both sides of cab.

MIRRORS

A Retrac, Model 613423, dual vision, motorized, west coast style mirror, with chrome finish, will be mounted on each side of the front cab door with spring loaded retractable arms. The flat glass and convex glass will be heated and adjustable with remote control within reach of the driver.

DOORS

To enhance entry and egress to the cab, the forward cab doors will be a minimum of 37.50" wide x 75.50" high. The crew cab doors will be located on the sides of the cab and will be constructed in the same manner as the forward cab doors. The crew cab door openings will be a minimum of 34.30" wide.

The forward cab and crew cab doors will be constructed of extruded aluminum with a nominal material thickness of 0.093". The exterior door skins will be constructed from 0.090" aluminum.

A customized, vertical, pull-down type door handle will be provided on the exterior of each cab door. The finish of the door handle will be chrome/black. The exterior handle will be designed specifically for the fire service to prevent accidental activation, and will provide 4.00" wide x 2.00" deep hand clearance for ease of use with heavy gloved hands.

Each door will also be provided with an interior flush, open style paddle handle that will be readily operable from fore and aft positions, and be designed to prevent accidental activation. The interior handles will provide 4.00" wide x 1.25" deep hand clearance for ease of use with heavy gloved hands.

The cab doors will be provided with both interior (rotary knob) and exterior (keyed) locks exceeding FMVSS standards. The keys will be Model 751. The locks will be capable of activating when the doors are open or closed. The doors will remain locked if locks are activated when the doors are opened, then closed.

A full length, heavy duty, stainless steel, piano-type hinge with a 0.38" pin and 11 gauge leaf will be provided on all cab doors. There will be double automotive-type rubber seals around the perimeter of the door framing and door edges to ensure a weather-tight fit.

A chrome grab handle will be provided on the inside of each cab door.

A red webbed grab handle will be installed on the crew cab door stop strap. The grab handles will be securely mounted.

The cab steps at each cab door location will be located inside the cab doors to protect the steps from weather elements.

Door Panels

The inner cab door panels will be constructed out of brushed stainless steel.

ELECTRIC OPERATED CAB DOOR WINDOWS

All four (4) cab doors will be equipped with electric operated windows with one (1) flush mounted automotive style switch on each door. The driver's door will have four (4) switches, one (1) to control each door window.

Each switch will allow intermittent or auto down operation for ease of use. Auto down operation will be actuated by holding the window down switch for approximately 1 second.

CAB STEPS

The forward cab and crew cab access steps will be a full size two (2) step design to provide largest possible stepping surfaces for safe ingress and egress. The bottom steps will be designed with a grip pattern punched into bright aluminum treadplate material to provide support, slip resistance, and drainage. The bottom steps will be a bolt-in design to minimize repair costs should they need to be replaced. The forward cab steps will be a minimum 25.00" wide, and the crew cab steps will be 21.65" wide with a 10.00" minimum depth. The inside cab steps will not exceed 16.50" in height.

The vertical surfaces of the step well will be aluminum treadplate.

CAB EXTERIOR HANDRAILS

A 1.25" diameter slip-resistant, knurled aluminum handrail will be provided adjacent to each cab and crew cab door opening to assist during cab ingress and egress.

STEP LIGHTS

There will be six (6) white LED step lights with chrome housing installed for cab and crew cab access steps.

- One (1) light for the left access steps.
- Two (2) lights for the left side crew cab access steps.

- Two (2) lights for the right side crew cab access steps.
- One (1) light for the right side access step.

In order to ensure exceptional illumination, each light will provide a minimum of 25 foot-candles (fc) covering an entire 15" x 15" square placed ten (10) inches below the light and a minimum of 1.5 fc covering an entire 30" x 30" square at the same ten (10) inch distance below the light.

The lights will be activated when the battery switch is on and the adjacent door is opened.

FENDER CROWNS

Stainless steel fender crowns will be installed at the cab wheel openings.

CREW CAB WINDOWS

One (1) fixed window with tinted glass will be provided on each side of the cab, to the rear of the front cab door. The windows will be sized to enhance light penetration into the cab interior. The windows will measure 18.70" wide x 23.75" high.

UPPER REAR WINDOWS ON SIDES OF CREW CAB

Two (2) windows will be provided above the crew cab door, along the sides of the raised roof section of the cab, one (1) on each side of the cab. The profile of the glass will match the painted metal side sheet opening, creating a uniform threshold appearance. The windows will be bonded to the vehicle using urethane adhesive. The visibility through each window will measure 30.75" wide x 9.00" high. The windows will be tinted a privacy, dark gray automotive tint.

WINDOW PROTECTOR BARS, CREW CAB DOORS

A knurled window protector bar will be installed on each crew cab door, 2.00" above the bottom of the window opening. The bar will extend from the front of the crew cab door to the rear of the crew cab door, mounted as close to the door frame as possible.

CAB DASH

The driver side dash, switch panel located to the right of the driver, and center console will be an easily removable high impact resistant polymer cover.

The instrument gauge cluster will be surrounded with a high impact ABS plastic contoured to the same shape of the instrument gauge cluster.

The officer side dash will be a flat top design with an upper beveled edge to provide easy maintenance and will be constructed out of aluminum and painted to match the cab interior.

MOUNTING PLATE ON ENGINE TUNNEL

Equipment installation provisions will be installed on the engine tunnel.

A 0.188" smooth aluminum plate will be bolted to the top surface of the engine tunnel. The plate will follow the contour of the engine tunnel and will run the entire length of the engine tunnel. The plate will be spaced off the engine tunnel 1.00" to allow for wire routing below the plate.

The mounting surface will be painted to match the cab interior.

CAB INTERIOR

The cab interior will be constructed of primarily metal (painted aluminum) to withstand the severe duty cycles of the fire service.

The engine tunnel will be padded and covered, on the top and sides, with dark silver gray 36 ounce leather grain vinyl resistant to oil, grease, and mildew.

For durability and ease of maintenance, the cab interior side walls will be painted aluminum. The rear wall will be painted aluminum.

The headliner will be installed in both forward and rear cab sections. Headliner material will be vinyl. A sound barrier will be part of its composition. Material will be installed on an aluminum sheet and securely fastened to interior cab ceiling.

The forward portion of the cab headliner will permit easy access for service of electrical wiring or other maintenance needs.

All wiring will be placed in metal raceways.

CAB INTERIOR UPHOLSTERY

The cab interior upholstery will be 36 oz dark silver gray vinyl.

CAB INTERIOR PAINT

The cab interior metal surfaces, excluding the rear heater panels, will be painted fire smoke gray, vinyl texture paint.

The rear heater panels will be painted black, vinyl textured paint.

CAB FLOOR

The cab and crew cab floor areas will be covered with Polydamp™ acoustical floor mat consisting of a black pyramid rubber facing and closed cell foam decoupler.

The top surface of the material has a series of raised pyramid shapes evenly spaced, which offer a superior grip surface. Additionally, the material has a 0.25" thick closed cell foam (no water absorption) which offers a sound dampening material for reducing sound levels.

DEFROST/AIR CONDITIONING SYSTEM

A ceiling mounted combination heater, defroster and air conditioning system will be installed in the cab above the engine tunnel area.

Cab Defroster

A 54,000 BTU heater-defroster unit with 690 SCFM of air flow will be provided inside the cab. The heater-defrost will be installed in the forward portion of the cab ceiling. Air outlets will be strategically located in the cab header extrusion per the following:

- One (1) adjustable will be directed towards the left side cab window
- One (1) adjustable will be directed towards the right side cab window
- Six (6) fixed outlets will be directed at the windshield

The defroster will be capable of clearing 98 percent of the windshield and side glass when tested under conditions where the cab has been cold soaked at 0 degrees Fahrenheit for 10 hours, and a 2 ounce per square inch layer of frost/ice has been able to build up on the exterior windshield. The defroster system will meet or exceed SAE J382 requirements.

Cab/Crew Auxiliary Heater

There will be one (1) 31,000 BTU auxiliary heater with 560 SCFM of air flow provided in each outboard rear facing seat risers with a dual scroll blower. An aluminum plenum incorporated into the cab structure used to transfer heat to the forward positions.

Air Conditioning

A condenser will be a 59,644 BTU output that meets and exceeds the performance specification will be mounted on the radiator.

The air conditioning system will be capable of cooling the average cab temperature from 100 degrees Fahrenheit to 75 degrees Fahrenheit at 50 percent relative humidity within 30 minutes. The cooling performance test will be run only after the cab has been heat soaked at 100 degrees Fahrenheit for a minimum of 4 hours.

The evaporator unit will be installed in the rear portion of the cab ceiling over the engine tunnel. The evaporator will include one (1) high performance heating core, one (1) high performance cooling core with (1) plenum directed to the front and one (1) plenum directed to the rear of the cab. The rear plenum will be covered with a formed plastic cover.

The evaporator unit will have a 52,000 BTU at 690 SCFM rating that meets and exceeds the performance specifications.

Adjustable air outlets will be strategically located on the forward plenum cover per the following:

- Four (4) will be directed towards the seating position on the left side of the cab
- Four (4) will be directed towards the seating position on the right side of the cab

Adjustable air outlets will be strategically located on the rear plenum cover per the following:

- Minimum of five (5) will be directed towards crew cab area

A high efficiency particulate air (HEPA) filter will be included for the system. Access to the filter cover will be secured with four (4) screws.

The air conditioner refrigerant will be R-134A and will be installed by a certified technician.

Climate Control

An automotive style controller will be provided to control the heat and air conditioning system within the cab. The controller will have three (3) functional knobs for fan speed, temperature, and air flow distribution (front to rear) control.

The system will control the temperature of the cab and crew cab automatically by pushing the center of the fan speed control knob. Rotate the center temperature control knob to set the cab and crew cab temperature.

The AC system will be manually activated by pushing the center of the temperature control knob. Pushing the center of the air flow distribution knob will engage the AC for max defrost, setting the fan speeds to 100 percent and directing all air flow to the overhead forward position.

The system controller will be located within panel position #12.

Gravity Drain Tubes

Two (2) condensate drain tubes will be provided for the air conditioning evaporator. The drip pan will have two (2) drain tubes plumbed separately to allow for the condensate to exit the drip pan. No pumps will be provided.

SUN VISORS

Two (2) smoked Lexan™ sun visors will be provided. The sun visors will be located above the windshield with one (1) mounted on each side of the cab.

There will be a black plastic thumb latch provided to help secure each sun visor in the stowed position.

GRAB HANDLES

A black rubber covered grab handle will be mounted on the door post of the driver and officer's side cab door to assist in entering the cab. The grab handles will be securely mounted to the post area between the door and windshield.

ENGINE COMPARTMENT LIGHTS

There will be one (1) Whelen, Model 3SC0CDCR, 12 volt DC, 3.00" white LED light(s) with Whelen, Model 3FLANGEC, chrome flange kit(s) installed under the cab to be used as engine compartment illumination.

These light(s) will be activated automatically when the cab is raised.

ACCESS TO ENGINE DIPSTICKS

For access to the engine oil and transmission fluid dipsticks, there will be a door on the engine tunnel, inside the crew cab. The door will be on the rear wall of the engine tunnel, on the vertical surface.

The engine oil dipstick will allow for checking only. The transmission dipstick will allow for both checking and filling.

The door will have a rubber seal for thermal and acoustic insulation. One (1) flush lift and turn latch will be provided on the access door.

MAP BOX

There will be one (1) map box(es) with three (3) bins, open at top, installed TBD. The map box will be divided into three (3) bins, each being 12.00" wide x 4.00" deep x 8.00" high. The map box will be constructed of .125" aluminum and will be painted to match the cab interior.

CAB SAFETY SYSTEM

The cab will be provided with a safety system designed to protect occupants in the event of a side roll or frontal impact, and will include the following:

- A supplemental restraint system (SRS) sensor will be installed on a structural cab member behind the instrument panel. The SRS sensor will perform real time diagnostics of all critical subsystems and will record sensory inputs immediately before and during a side roll or frontal impact event.
- A slave SRS sensor will be installed in the cab to provide capacity for eight (8) crew cab seating positions.
- A fault-indicating light will be provided on the vehicle's instrument panel allowing the driver to monitor the operational status of the SRS system.
- A driver side front air bag will be mounted in the steering wheel and will be designed to protect the head and upper torso of the occupant, when used in combination with the 3-point seat belt.
- A passenger side knee bolster air bag will be mounted in the modesty panel below the dash panel and will be designed to protect the legs of the occupant, when used in combination with the 3-point seat belt.
- Air curtains will be provided in the outboard bolster of outboard seat backs to provide a cushion between occupant and the cab wall.
- Suspension seats will be provided with devices to retract them to the lowest travel position during a side roll or frontal impact event.
- Seat belts will be provided with pre-tensioners to remove slack from the seat belt during a side roll or frontal impact event.

Frontal Impact Protection

The SRS system will provide protection during a frontal or oblique impact event. The system will activate when the vehicle decelerates at a predetermined G force known to cause injury to the occupants. The cab and chassis will have been subjected, via third party test facility, to a crash impact during frontal and oblique impact testing. Testing included all major chassis and cab components such as mounting straps for fuel and air tanks, suspension mounts, front suspension components, rear suspensions components, frame rail cross members, engine and transmission and their mounts, pump house and mounts, frame extensions and body mounts. The testing provided configuration specific information used to optimize the timing for firing the safety restraint system. The sensor will activate the pyrotechnic devices when the correct crash algorithm, wave form, is detected.

The SRS system will deploy the following components in the event of a frontal or oblique impact event:

- Driver side front air bag
- Passenger side knee bolster air bag
- Air curtains mounted in the outboard bolster of outboard seat backs
- Suspension seats will be retracted to the lowest travel position
- Seat belts will be pre-tensioned to firmly hold the occupant in place

Side Roll Protection

The SRS system will provide protection during a fast or slow 90 degree roll to the side, in which the vehicle comes to rest on its side. The system will analyze the vehicle's angle and rate of roll to determine the optimal activation of the advanced occupant restraints.

The SRS system will deploy the following components in the event of a side roll:

- Air curtains mounted in the outboard bolster of outboard seat backs
- Suspension seats will be retracted to the lowest travel position
- Seat belts will be pre-tensioned to firmly hold the occupant in place

SEATING CAPACITY

The seating capacity of the vehicle (including tiller cab and belted seat positions in the rescue body) will be six (6).

DRIVER SEAT

A seat will be provided in the cab for the driver. The seat design will be a cam action type, with air suspension. For increased convenience, the seat will include a manual control to adjust the horizontal position (6.00" travel). The manual horizontal control will be a towel-bar style located below the forward part of the seat cushion. To provide flexibility for multiple driver configurations, the seat will have an adjustable reclining back. The seat back will be a high back style with side bolster pads for maximum support. For optimal comfort, the seat will be provided with 17.00" deep foam cushions designed with EVC (elastomeric vibration control).

The seat will include the following features incorporated into the side roll protection system:

- Side air curtain will be mounted integral to the outboard bolster of the seat back. The air curtain will be covered by a decorative panel when in the stowed position.
- A suspension seat safety system will be included. When activated in the event of a side roll, this system will pretension the seat belt and retract the seat to its lowest travel position.

The seat will be furnished with a 3-point, shoulder type seat belt.

OFFICER SEAT

A seat will be provided in the cab for the passenger. The seat will be a fixed type, with no suspension. For optimal comfort, the seat will be provided with 17.00" deep foam cushions designed with EVC (elastomeric vibration control).

The seat back will be an SCBA back style with 5 degree fixed recline angle. The SCBA cavity will be adjustable from front to rear in 1.00" increments, to accommodate different sized SCBA cylinders. Moving the SCBA cavity will be accomplished by unbolting, relocating, and re-bolting it in the desired location.

The seat will include the following features incorporated into the side roll protection system:

- Side air curtain will be mounted integral to the outboard bolster of the seat back. The air curtain will be covered by a decorative panel when in the stowed position.
- A seat safety system will be included. When activated, this system will pretension the seat belt.

The seat will be furnished with a 3-point, shoulder type seat belt.

RADIO COMPARTMENT

A radio compartment will be provided under the officer's seat.

The inside compartment dimensions will be 16.00" wide x 7.50" high x 15.00" deep, with the back of the compartment angled up to match the cab structure.

A drop-down door with one (1) lift and turn latch will be provided for access.

The compartment will be constructed of smooth aluminum and painted to match the cab interior.

REAR FACING DRIVER SIDE OUTBOARD SEAT

There will be one (1) rear facing seat provided at the driver side outboard position in the crew cab. For optimal comfort, the seat will be provided with 15.00" deep foam cushions designed with EVC (elastomeric vibration control).

The seat back will be an SCBA back style with 5 degree fixed recline angle. The SCBA cavity will be adjustable from front to rear in 1.00" increments, to accommodate different sized SCBA cylinders. Moving the SCBA cavity will be accomplished by unbolting, relocating, and re-bolting it in the desired location.

The seat will include the following features incorporated into the side roll protection system:

- Side air curtain will be mounted integral to the outboard bolster of the seat back. The air curtain will be covered by a decorative panel when in the stowed position.
- A seat safety system will be included. When activated, this system will pretension the seat belt.

The seat will be furnished with a 3-point, shoulder type seat belt.

REAR FACING PASSENGER SIDE OUTBOARD SEAT

There will be one (1) rear facing seat provided at the passenger side outboard position in the crew cab. For optimal comfort, the seat will be provided with 15.00" deep foam cushions designed with EVC (elastomeric vibration control).

The seat back will be an SCBA back style with 5 degree fixed recline angle. The SCBA cavity will be adjustable from front to rear in 1.00" increments, to accommodate different sized SCBA cylinders. Moving the SCBA cavity will be accomplished by unbolting, relocating, and re-bolting it in the desired location.

The seat will include the following features incorporated into the side roll protection system:

- Side air curtain will be mounted integral to the outboard bolster of the seat back. The air curtain will be covered by a decorative panel when in the stowed position.
- A seat safety system will be included. When activated, this system will pretension the seat belt.

The seat will be furnished with a 3-point, shoulder type seat belt.

FORWARD FACING DRIVER SIDE OUTBOARD SEAT

There will be one (1) forward facing, foldup seat provided at the driver side outboard position in the crew cab. For optimal comfort, the seat will be a minimum of 15.00" from the front of the cushion to the face of the seat back and designed with EVC (elastomeric vibration control).

The seat back will be an SCBA style with 90 degree back. The SCBA cavity will be adjustable from front to rear in 1.00" increments, to accommodate different sized SCBA cylinders. Moving the SCBA cavity will be accomplished by unbolting, relocating, and re-bolting it in the desired location.

The seat will include the following features incorporated into the side roll protection system:

- Side air curtain will be mounted integral to the outboard bolster of the seat back. The air curtain will be covered by a decorative panel when in the stowed position.
- A seat safety system will be included. When activated, this system will pretension the seat belt around the occupant to firmly hold them in place in the event of a side roll.

The seat will be furnished with a 3-point, shoulder type seat belt.

FORWARD FACING CENTER SEATS

There will be two (2) forward facing seats provided at the center position in the crew cab. For optimal comfort, the seats will be provided with 15.00" deep foam cushions designed with EVC (elastomeric vibration control).

The seat backs will be an SCBA style with 90 degree back. The SCBA cavity will be adjustable from front to rear in 1.00" increments to accommodate different sized SCBA cylinders. Moving the SCBA cavity will be accomplished by unbolting, relocating, and re-bolting it in the desired location.

The seat will include the following features incorporated into the side roll protection system:

- A seat safety system will be included. When activated, this system will pretension the seat belt.

The seats will be furnished with a 3-point, shoulder type seat belt.

Seat Riser

An enclosed seat riser will be provided in the center forward facing position.

There will be access provided on the front with one (1) drop down door, painted to match the cab interior with two (2) non-locking paddle slam latches.

Seat Riser Lighting

There will be one (1) white LED strip light installed horizontally above the interior cabinet door opening. The lighting will be controlled by an automatic door switch.

FORWARD FACING PASSENGER SIDE OUTBOARD SEAT

There will be one (1) forward facing, foldup seat provided at the passenger side outboard position in the crew cab. For optimal comfort, the seat will be a minimum of 15.00" from the front of the cushion to the face of the seat back and designed with EVC (elastomeric vibration control).

The seat back will be an SCBA style with 90 degree back. The SCBA cavity will be adjustable from front to rear in 1.00" increments, to accommodate different sized SCBA cylinders. Moving the SCBA cavity will be accomplished by unbolting, relocating, and re-bolting it in the desired location.

The seat will include the following features incorporated into the side roll protection system:

- Side air curtain will be mounted integral to the outboard bolster of the seat back. The air curtain will be covered by a decorative panel when in the stowed position.
- A seat safety system will be included. When activated, this system will pretension the seat belt around the occupant to firmly hold them in place in the event of a side roll.

The seat will be furnished with a 3-point, shoulder type seat belt.

REAR FACING OVERHEAD STORAGE COMPARTMENT

There will be two (2) overhead rear facing storage compartments installed at the raised roof within the crew cab, on each side of the air conditioner. The compartments will be approximately 21.00" wide x 24.00" high x 34.00" deep at the bottom.

Each compartment will include one (1) lift up compartment door. Non-locking latch, paddle handle, and gas operated stay arms will be provided.

The compartment will be constructed of smooth aluminum and painted to match the cab interior.

Compartment Light

The storage compartment lighting will consist of one (1) white LED strip light installed horizontally above each compartment door opening.

FORWARD FACING OVERHEAD STORAGE COMPARTMENT

There will be an overhead forward facing storage compartment installed at the raised roof within the crew cab. The compartment will be approximately 88.00" wide x 10.00" high x 16.34" deep.

The compartment will include three (3) lift up compartment doors. Non-locking latch and gas operated stay arms will be provided.

The compartment will be constructed of smooth aluminum and painted to match the cab interior.

Compartment Light

The storage compartment lighting will consist of one (1) white LED strip light installed horizontally above each compartment door opening.

SEAT UPHOLSTERY

All seat upholstery will be leather grain 36 oz dark silver gray vinyl resistant to oil, grease and mildew. The cab will have six (6) seating positions.

AIR BOTTLE HOLDERS

All SCBA type seats in the cab will have a "Hands-Free" auto clamp style bracket in its backrest. For efficiency and convenience, the bracket will include an automatic spring clamp that allows the occupant to store the SCBA bottle by simply pushing it into the seat back. For protection of all occupants in the cab, in

the event of an accident, the inertial components within the clamp will constrain the SCBA bottle in the seat and will exceed the NFPA standard of 9G.

There will be a quantity of seven (7) SCBA brackets.

Provided with the SCBA seats, will be backrest inserts which cover the SCBA cavity. The insert cover will be padded and covered with the same material as the seat. A total of five (5) inserts will be provided AllSCBA seats. The seat back insert is designed to support the firefighters back, with or without the SCBA bottle in place. The insert is held in place with two (2) elastic cords.

SEAT BELTS

All cab and tiller cab (if applicable) seating positions will have red seat belts. To provide quick, easy use for occupants wearing bunker gear, the female buckle and seat belt webbing length will meet or exceed the current edition of applicable NFPA and CAN/ULC - S515 standards.

The 3-point shoulder type seat belts will include height adjustment. This adjustment will optimize the belts effectiveness and comfort for the seated firefighter. The 3-point shoulder type seat belts will be furnished with dual automatic retractors that will provide ease of operation in the normal seating position.

The 3-point shoulder type belts will also include the ReadyReach D-loop assembly to the shoulder belt system. The ReadyReach feature adds an extender arm to the D-loop location placing the D-loop in a closer, easier to reach location.

Any flip up seats will include a 3-point shoulder type belts only.

To ensure safe operation, the seats will be equipped with seat belt sensors in the seat cushion and belt receptacle that will activate an alarm indicating a seat is occupied but not buckled.

HELMET STORAGE PROVIDED BY FIRE DEPARTMENT

NFPA 1901, 2016 edition, section 14.1.7.4.1 requires a location for helmet storage be provided.

There is no helmet storage on the apparatus as manufactured. The fire department will provide a location for storage of helmets.

CAB DOME LIGHTS

There will be four (4) dual LED dome lights with black bezels provided. Two (2) lights will be mounted above the inside shoulder of the driver and officer and two (2) lights will be installed and located, one (1) on each side of the crew cab.

The color of the LED's will be red and white.

The white LED's will be controlled by the door switches and the lens switch.

The color LED's will be controlled by the lens switch.

In order to ensure exceptional illumination, each white LED dome light will provide a minimum of 10.1 foot-candles (fc) covering an entire 20.00" x 20.00" square seating position when mounted 40.00" above the seat.

ADDITIONAL DOME LIGHTS

There will be one (1) dual LED dome lights with grey bezel(s) mounted in the cab and/or crew cab located centered in crew cab.

The color of the LED's will be red and white.

- The white LED(s) will be controlled by the door switches.
- The color LED(s) will be controlled by the lens switch.

In order to ensure exceptional illumination, each white LED dome light will provide a minimum of 10.1 foot-candles (fc) covering an entire 20.00" x 20.00" square seating position when mounted 40.00" above the seat.

The light(s) may be load managed when the parking brake is applied.

ENHANCED SOFTWARE FOR CAB AND CREW CAB DOME LIGHTS

The cab and crew cab dome lights will remain on for 10 seconds for improved visibility after the doors are closed.

The dome lights will dim after 10 seconds or immediately if the vehicle's transmission is put into gear.

MAP LIGHT

There will be one (1) Federal Littlite® LED map light(s) provided in the cab and located officer seat. Each map light will have a on/off switch with a 12.00" long flexible neck that exits the side of the chassis mount. The map light(s) wiring will exit from the bottom of the chassis mount.

Each light will be provided with red and white LEDs.

The light switch(es) will be connected directly to the battery switched power.

PORTABLE HAND LIGHTS, PROVIDED BY FIRE DEPARTMENT

NFPA 1901, 2016 edition, section 10.9.3 requires two portable hand lights mounted in brackets fastened to the apparatus.

The hand lights are not on the apparatus as manufactured. The fire department will provide and mount these hand lights.

CAB INSTRUMENTATION

The cab instrument panel include gauges, an LCD display, telltale indicator lamps, control switches, alarms, and a diagnostic panel. The function of the instrument panel controls and switches will be identified by a label adjacent to each item. Actuation of the headlight switch will illuminate the labels in low light conditions. Telltale indicator lamps will not be illuminated unless necessary. The cab instruments and controls will be conveniently located within the forward cab section, forward of the driver. The gauge assembly and switch panels are designed to be removable for ease of service and low cost of ownership.

Gauges

The gauge panel will include the following ten (10) black faced gauges with black bezels to monitor vehicle performance:

- Voltmeter gauge (volts):
 - Low volts (11.8 VDC)
 - Amber caution indicator on the information center with intermittent alarm
 - Amber caution light on gauge assembly
 - High volts (15.5 VDC)
 - Amber caution indicator on the information center with intermittent alarm
 - Amber caution light on gauge assembly
 - Very low volts (11.3 VDC)
 - Red warning indicator on the information center with a steady alarm
 - Amber caution light on gauge assembly
 - Very high volts (16.0 VDC)
 - Red warning indicator on the information center with a steady alarm
 - Amber caution light on gauge assembly
- Engine Tachometer (RPM)
- Speedometer MPH (Major Scale), KM/H (Minor Scale)
- Fuel level gauge (Empty - Full in fractions):
 - Low fuel (1/8 full)
 - Amber caution indicator on the information center with intermittent alarm
 - Amber caution light on gauge assembly
 - Very low fuel (1/32 full)
 - Red caution indicator on the information center with steady alarm
 - Amber caution light on gauge assembly
- Engine Oil pressure Gauge (PSI):
 - Low oil pressure to activate engine warning lights and alarms
 - Red caution indicator on the information center with steady alarm
 - Amber caution light on gauge assembly
- Front Air Pressure Gauges (PSI):
 - Low air pressure to activate warning lights and alarm
 - Red warning indicator on the information center with a steady alarm
 - Amber caution light on gauge assembly
- Rear Air Pressure Gauges (PSI):
 - Low air pressure to activate warning lights and alarm
 - Red warning indicator on the information center with a steady alarm
 - Amber caution light on gauge assembly
- Transmission Oil Temperature Gauge (Fahrenheit):
 - High transmission oil temperature activates warning lights and alarm
 - Amber caution indicator on the information center with intermittent alarm
 - Amber caution light on gauge assembly
- Engine Coolant Temperature Gauge (Fahrenheit):
 - High engine temperature activates an engine warning light and alarms
 - Amber caution indicator on the information center with intermittent alarm
 - Amber caution light on gauge assembly
- Diesel Exhaust Fluid Level Gauge (Empty - Full in fractions):
 - Low fluid (1/8 full)

- Amber indicator light in gauge dial

All gauges will perform prove out at initial power-up to ensure proper performance.

Indicator Lamps

To promote safety, the following telltale indicator lamps will be located on the instrument panel in clear view of the driver. The indicator lamps will be "dead-front" design that is only visible when active. The colored indicator lights will have descriptive text or symbols.

The following amber telltale lamps will be present:

- Low coolant
- Trac cntl (traction control) (where applicable)
- Check engine
- Check trans (check transmission)
- Aux brake overheat (Auxiliary brake overheat)
- Air rest (air restriction)
- Caution (triangle symbol)
- Water in fuel
- DPF (engine diesel particulate filter regeneration)
- Trailer ABS (where applicable)
- Wait to start (where applicable)
- HET (engine high exhaust temperature) (where applicable)
- ABS (antilock brake system)
- MIL (engine emissions system malfunction indicator lamp) (where applicable)
- Side roll fault (where applicable)
- Front air bag fault (where applicable)

The following red telltale lamps will be present:

- Warning (stop sign symbol)
- Seat belt
- Parking brake
- Stop engine
- Rack down

The following green telltale lamps will be provided:

- Left turn
- Right turn
- Battery on

The following blue telltale lamp will be provided:

- High beam

Alarms

Audible steady tone warning alarm: A steady audible tone alarm will be provided whenever a warning message is present.

Audible pulsing tone caution alarm: A pulsing audible tone alarm (chime/chirp) will be provided whenever a caution message is present without a warning message being present.

Alarm silence: Any active audible alarm will be able to be silenced by holding the ignition switch at the top position for three (3) to five (5) seconds. For improved safety, silenced audible alarms will intermittently chirp every 30 seconds until the alarm condition no longer exists. The intermittent chirp will act as a reminder to the operator that a caution or warning condition still exists. Any new warning or caution condition will enable the steady or pulsing tones respectively.

Indicator Lamp and Alarm Prove-Out

A system will be provided which automatically tests telltale indicator lights and alarms located on the cab instrument panel. Telltale indicators and alarms will perform prove-out at initial power-up to ensure proper performance.

Control Switches

For ease of use, the following controls will be provided immediately adjacent to the cab instrument panel within easy reach of the driver. All switches will have backlit labels for low light applications.

Headlight/Parking light switch: A three (3)-position maintained rocker switch will be provided. The first switch position will deactivate all parking and headlights. The second switch position will activate the parking lights. The third switch will activate the headlights.

Panel back lighting intensity control switch: A three (3)-position momentary rocker switch will be provided. Pressing the top half of the switch, "Panel Up" increases the panel back lighting intensity and pressing the bottom half of the switch, "Panel Down" decreases the panel back lighting intensity. Pressing the half or bottom half of the switch several times will allow back lighting intensity to be gradually varied from minimum to maximum intensity level for ease of use.

Ignition switch: A three (3)-position maintained/momentary rocker switch will be provided. The first switch position will turn off and deactivate vehicle ignition. The second switch position will activate vehicle ignition and will perform prove-out on the telltale indicators and alarms for 3 to 5 seconds after the switch is turned on. A green indicator lamp is activated with vehicle ignition. The third momentary position will temporarily silence all active cab alarms. An alarm "chirp" may continue as long as alarm condition exists. Switching ignition to off position will terminate the alarm silence feature and reset function of cab alarm system.

Engine start switch: A two (2)-position momentary rocker switch will be provided. The first switch position is the default switch position. The second switch position will activate the vehicle's engine. The switch actuator is designed to prevent accidental activation.

Hazard switch will be provided on the instrument panel or on the steering column.

Heater, defroster, and air conditioning control panel.

Turn signal arm: A self-canceling turn signal with high beam headlight controls will be provided.

Windshield wiper control will have high, low and intermittent modes.

Parking brake control: An air actuated push/pull park brake control valve will be provided.

Chassis horn control: Activation of the chassis horn control will be provided through the center of the steering wheel.

High idle engagement switch: A momentary rocker switch with integral indicator lamp will be provided. The switch will activate and deactivate the high idle function. The "OK To Engage High Idle" indicator lamp must be active for the high idle function to engage. A green indicator lamp integral to the high idle engagement switch will indicate when the high idle function is engaged.

"OK To Engage High Idle" indicator lamp: A green indicator light will be provided next to the high idle activation switch to indicate that the interlocks have been met to allow high idle engagement.

Emergency switching will be controlled by multiple individual warning light switches for various groups or areas of emergency warning lights. An Emergency Master switch provided on the instrument panel that enables or disables all individual warning light switches is included.

An additional "Emergency Master" button will be provided on the lower left hand corner of the gauge panel to allow convenient control of the "Emergency Master" system from inside the driver's door when standing on the ground.

Custom Switch Panels

The design of cab instrumentation will allow for emergency lighting and other switches to be placed within easy reach of the operator thus improving safety. There will be positions for up to four (4) switch panels in the lower instrument console and up to six (6) switch panels in the overhead visor console. All switches have backlit labels for low light conditions.

Diagnostic Panel

A diagnostic panel will be accessible while standing on the ground and located inside the driver's side door left of the steering column. The diagnostic panel will allow diagnostic tools such as computers to connect to various vehicle systems for improved troubleshooting providing a lower cost of ownership. Diagnostic switches will allow ABS systems to provide blink codes should a problem exist.

The diagnostic panel will include the following:

- Engine diagnostic port
- Transmission diagnostic port
- ABS diagnostic port
- Roll sensor diagnostic port
- Command Zone USB diagnostic port
- ABS diagnostic switch (blink codes flashed on ABS telltale indicator)
- Diesel particulate filter regeneration switch (where applicable)
- Diesel particulate filter regeneration inhibit switch (where applicable)

Cab LCD Display

A digital four (4)-row by 20-character dot matrix display will be integral to the gauge panel. The display will be capable of showing simple graphical images as well as text. The display will be split into three (3) sections. Each section will have a dedicated function. The upper left section will display the outside ambient temperature.

The upper right section will display the following, along with other configuration specific information:

- Odometer
- Trip mileage
- PTO hours
- Fuel consumption
- Engine hours

The bottom section will display INFO, CAUTION, and WARNING messages. Text messages will automatically activate to describe the cause of an audible caution or warning alarm. The LCD will be capable of displaying multiple text messages should more than one caution or warning condition exist.

AIR RESTRICTION INDICATOR

A high air restriction warning indicator light LCD message with amber warning indicator and audible alarm will be provided.

"DO NOT MOVE APPARATUS" INDICATOR

A flashing red indicator light, located in the driving compartment, will be illuminated automatically per the current NFPA requirements. The light will be labeled "Do Not Move Apparatus If Light Is On."

The same circuit that activates the Do Not Move Apparatus indicator will activate a pulsing alarm when the parking brake is released.

DO NOT MOVE TRUCK MESSAGES

Messages will be displayed on the Command Zone™, color display located within sight of the driver whenever the Do Not Move Truck light is active. The messages will designate the item or items not in the stowed for vehicle travel position (parking brake disengaged).

The following messages will be displayed (where applicable):

- Do Not Move Truck
- DS Cab Door Open (Driver Side Cab Door Open)
- PS Cab Door Open (Passenger's Side Cab Door Open)
- DS Crew Cab Door Open (Driver Side Crew Cab Door Open)
- PS Crew Cab Door Open (Passenger's Side Crew Cab Door Open)
- DS Body Door Open (Driver Side Body Door Open)
- PS Body Door Open (Passenger's Side Body Door Open)
- Rear Body Door Open
- DS Ladder Rack Down (Driver Side Ladder Rack Down)
- PS Ladder Rack Down (Passenger Side Ladder Rack Down)
- Deck Gun Not Stowed

- Lt Tower Not Stowed (Light Tower Not Stowed)
- Fold Tank Not Stowed (Fold-A-Tank Not Stowed)
- Aerial Not Stowed (Aerial Device Not Stowed)
- Stabilizer Not Stowed
- Steps Not Stowed
- Handrail Not Stowed

Any other device that is opened, extended, or deployed that creates a hazard or is likely to cause major damage to the apparatus if the apparatus is moved will be displayed as a caution message after the parking brake is disengaged.

SWITCH PANELS

The built-in switch panels will be located in the lower console or overhead console of the cab.

The switches will be rocker-type and include an integral indicator light. For quick, visual indication the switch will be illuminated whenever the switch is active. A 2-ply, scratch resistant laser engraved Gravoply label indicating the use of each switch will be placed below the switches. The label will allow light to pass through the letters for improved visibility in low light conditions. Switches and light source are integral to the switch panel assembly.

WIPER CONTROL

Wiper control will consist of a two (2)-speed windshield wiper control with intermittent feature and windshield washer controls. The control will be located in the left hand pod of the steering wheel.

SPARE CIRCUIT

There will be two (2) pair of wires, including a positive and a negative, installed on the apparatus.

The above wires will have the following features:

- The positive wire will be connected directly to the battery power
- The negative wire will be connected to ground
- Wires will be protected to 15 amps at 12 volts DC
- Power and ground will terminate officer side dash area
- Termination will be with heat shrinkable butt splicing
- Wires will be sized to 125 percent of the protection

The circuit(s) may be load managed when the parking brake is set.

CUSTOMER SUPPLIED RADIO WIRING

There will be one (1) 12 volt combination wiring leads of which each will include one (1) battery switched, one (1) ignition and one (1) negative for use with radio equipment.

Each lead will be 18.00" long and be provided instrument panel. The leads will be clearly marked in a coil and terminate with butt splices.

A breaker rated for 30 amps will be provided for circuit protection of the battery switched lead with a minimum of 10 gauge wire.

A breaker rated for 7.5 amps will be provided for circuit protection of the ignition lead.

The wires will be colored coded as follows:

- red for battery switched
- yellow for ignition
- black for ground

SPARE CIRCUIT

There will be eight (8) dual USB fast charge socket mounts installed on the apparatus.

The above wires will have the following features:

- The positive wire will be connected directly to the battery power.
- The negative wire will be connected to ground.
- Wires will be protected to 4.8 amps at 12 volts DC.
- The USB socket mount will be TBD.
- Termination will be a Blue Sea Systems part number 1045 dual USB charger socket.
- Wires will be sized to 125% of the protection.

This circuit(s) may be load managed when the parking brake is applied.

SPARE CIRCUIT

There will be one (1) pair of wires, including a positive and a negative, installed on the apparatus.

The above wires will have the following features:

- The positive wire will be connected directly to the battery switched power
- The negative wire will be connected to ground
- Wires will be protected to 30 amps at 12 volts DC
- Power and ground will terminate B1
- Termination will be with a 10-place bus bar with screws and removable cover
- Wires will be sized to 125% of the protection

This circuit(s) may be load managed when the parking brake is set.

STEREO RADIO

A Jensen, heavy duty AM/FM / Bluetooth / Weatherband stereo radio, with front and rear auxiliary input will be installed within reach of the driver. There will be 5.25" speakers installed one (1) pair of 5.25" speakers in the cab and one (1) pair of 5.25" speakers in the crew cab. The antenna will be a roof-mounted rubber antenna located in an open space, on the cab roof.

The following features will be included:

- 180 watts max power output (45W x 4)
- Bluetooth® streaming audio and controls (A2DP/AVRCP) with hands-free calling (HFP)
- Electronic AM/FM tuner (US/Euro)

- iPod®/iPhone® ready via USB
- SiriusXM-Ready®
- Seven-channel NOAA weatherband with S.A.M.E. technology
- USB 2.0 for playback of MP3 & WMA audio files
- RBDS with PTY search
- Front and rear USB input
- Front and rear AUX input

INFORMATION CENTER

An information center employing a 7.00" diagonal touch screen color LCD display will be encased in an ABS plastic housing.

The information center will have the following specifications:

- Operate in temperatures from -40 to 158 degrees Fahrenheit
- LCD optically bonded to hardened AR glass lens
- Five weather resistant user interface switches
- Grey with black accents
- Sunlight Readable
- Linux operating system
- Minimum of 1000nits rated display
- Display can be changed to an available foreign language
- A LCD display integral to the cab gauge panel will be included as outlined in the cab instrumentation area.
- Programmed to read US Customary

General Screen Design

Where possible, background colors will be used to provide "At a Glance" vehicle information. If information provided on a screen is within acceptable limits, a green background will be used.

If a caution or warning situation arises the following will occur:

- An amber background/text color will indicate a caution condition
- A red background/text color will indicate a warning condition
- The information center will utilize an "Alert Center" to display text messages for audible alarm tones. The text messages will be written to identify the item(s) causing the audible alarm to sound. If more than one (1) text message occurs, the messages will cycle every second until the problem(s) have been resolved. The background color for the "Alert Center" will change to indicate the severity of the "warning" message. If a warning and a caution condition occur simultaneously, the red background color will be shown for all alert center messages.
- A label for each button will exist. The label will indicate the function for each active button for each screen. Buttons that are not utilized on specific screens will have a button label with no text or symbol.

Home/Transit Screen

This screen will display the following:

- Vehicle Mitigation (if equipped)
- Water Level (if the water level system includes compatible communications to the information center)
- Foam Level (if the foam level system includes compatible communications to the information center)
- Seat Belt Monitoring Screen
- Tire Pressure Monitoring (if equipped)
- Digital Speedometer
- Active Alarms

On Scene Screen

This screen will display the following and will be auto activated with pump engaged (if equipped):

- Battery Voltage
- Fuel
- Oil Pressure
- Coolant Temperature
- RPM
- Water Level (if equipped)
- Foam Level (if equipped)
- Foam Concentration (if equipped)
- Water Flow Rate (if equipped)
- Water Used (if equipped)
- Active Alarms

Virtual Buttons

There will be four (4) virtual switch panel screens that match the overhead and lower lighting and HVAC switch panels.

Page Screen

The page screen will display the following and allow the user to progress into other screens for further functionality:

- Diagnostics
 - Faults
 - Listed by order of occurrence
 - Allows to sort by system
 - Interlock
 - Throttle Interlocks
 - Pump Interlocks (if equipped)
 - Aerial Interlocks (if equipped)
 - PTO Interlocks (if equipped)
 - Load Manager
 - A list of items to be load managed will be provided. The list will provide a description of the load.

- The lower the priority numbers the earlier the device will be shed should a low voltage condition occur.
 - The screen will indicate if a load has been shed (disabled) or not shed.
 - "At a glance" color features are utilized on this screen.
 - Systems
 - Command Zone
 - Module type and ID number
 - Module Version
 - Input or output number
 - Circuit number connected to that input or output
 - Status of the input or output
 - Power and Constant Current module diagnostic information
 - Foam (if equipped)
 - Pressure Controller (if equipped)
 - Generator Frequency (if equipped)
 - Live Data
 - General Truck Data
- Maintenance
 - Engine oil and filter
 - Transmission oil and filter
 - Pump oil (if equipped)
 - Foam (if equipped)
 - Aerial (if equipped)
- Setup
 - Clock Setup
 - Date & Time
 - 12 or 24 hour format
 - Set time and date
 - Backlight
 - Daytime
 - Night time
 - Sensitivity
 - Unit Selection
 - Home Screen
 - Virtual Button Setup
 - On Scene Screen Setup
 - Configure Video Mode
 - Set Video Contrast
 - Set Video Color
 - Set Video Tint
- Do Not Move
 - The screen will indicate the approximate location and type of item that is open or is not stowed for travel. The actual status of the following devices will be indicated
 - Driver Side Cab Door

- Passenger's Side Cab Door
- Driver Side Crew Cab Door
- Passenger's Side Crew Cab Door
- Driver Side Body Doors
- Passenger's Side Body Doors
- Rear Body Door(s)
- Ladder Rack (if applicable)
- Deck Gun (if applicable)
- Light Tower (if applicable)
- Hatch Door (if applicable)
- Stabilizers (if applicable)
- Steps (if applicable)
- Notifications
 - View Active Alarms
 - Shows a list of all active alarms including date and time of the occurrence is shown with each alarm
 - Silence Alarms - All alarms are silenced
- Timer Screen
- HVAC (if equipped)
- Tire Information (if equipped)
- Ascendant Set Up Confirmation (if equipped)

Button functions and button labels may change with each screen.

COLLISION MITIGATION

There will be a HAAS Alert®, Model HA7 Responder-to-Vehicle (R2V) collision avoidance system provided on the apparatus. The HA7 cellular transponder module will be installed behind the cab windshield, as high and near to the center as practical, to allow clear visibility to the sky. The module dimensions are 5.40" long x 2.70" wide x 1.30" high, and operating temperature range is -40 degree C to 85 degree C.

The transponder will be connected to the vehicle's emergency master circuit and battery direct power and ground.

While responding with emergency lights on, the HA7 transponder sends alert messages via cellular network to motorists in the vicinity of the responding truck that are equipped with the WAZE app.

While on scene with emergency lights on, the HA7 transponder sends road hazard alerts to motorists in the vicinity of the truck that are equipped with the WAZE app.

The HA7 Responder-to-Vehicle (R2V) collision avoidance system will include the transponder and a 5 year cellular plan subscription.

Activation of the HAAS Alert system requires a representative of the customer to accept the End User License Agreement (EULA) via an on-line portal.

VEHICLE DATA RECORDER

There will be a vehicle data recorder (VDR) capable of reading and storing vehicle information provided.

The information stored on the VDR can be downloaded through a USB port mounted in a convenient location determined by cab model. A USB cable can be used to connect the VDR to a laptop to retrieve required information. The program to download the information from the VDR will be available to download on-line.

The vehicle data recorder will be capable of recording the following data via hardwired and/or CAN inputs:

- Vehicle Speed - MPH
- Acceleration - MPH/sec
- Deceleration - MPH/sec
- Engine Speed - RPM
- Engine Throttle Position - % of Full Throttle
- ABS Event - On/Off
- Seat Occupied Status - Yes/No by Position
- Seat Belt Buckled Status - Yes/No by Position
- Master Optical Warning Device Switch - On/Off
- Time - 24 Hour Time
- Date - Year/Month/Day

Seat Belt Monitoring System

A seat belt monitoring system (SBMS) will be provided on the Command Zone™ color display. The SBMS will be capable of monitoring up to 10 seating positions indicating the status of each seat position per the following:

- Seat Occupied & Buckled = Green LED indicator illuminated
- Seat Occupied & Unbuckled = Red LED indicator with audible alarm
- No Occupant & Buckled = Red LED indicator with audible alarm
- No Occupant & Unbuckled = No indicator and no alarm

The seat belt monitoring screen will become active on the Command Zone color display when:

- The home screen is active:
 - and there is any occupant seated but not buckled or any belt buckled with an occupant.
 - and there are no other Do Not Move Apparatus conditions present. As soon as all Do Not Move Apparatus conditions are cleared, the SBMS will be activated.

The SBMS will include an audible alarm that will warn that an unbuckled occupant condition exists and the parking brake is released, or the transmission is not in park.

RADIO ANTENNA MOUNT

There will be two (2) standard 1.125", 18 thread antenna-mounting base(s) installed TBD on the cab roof with high efficiency, low loss, coaxial cable(s) routed to behind the officer seat. A weatherproof cap will be installed on the mount.

VEHICLE CAMERA SYSTEM

There will be a color vehicle camera system provided with the following:

- One (1) Standard Definition (SD) camera located at the rear of the apparatus, pointing rearward, displayed automatically with the vehicle in reverse.

The camera images will be displayed on the left side vehicle information center display. Audio from the microphone on the rear camera will be emitted by an amplified speaker with volume control in the blank panel to the right of the steering column.

The following components will be included:

- One (1) SV-CW134639CAI Camera
- All necessary cables

CAMERA SWITCHER

A camera switcher is not required.

ELECTRICAL POWER CONTROL SYSTEM

The primary power distribution will be located forward of the officer's seating position and be easily accessible while standing on the ground for simplified maintenance and troubleshooting. Additional electrical distribution centers will be provided throughout the vehicle to house the vehicle's electrical power, circuit protection, and control components. The electrical distribution centers will be located strategically throughout the vehicle to minimize wire length. For ease of maintenance, all electrical distribution centers will be easily accessible. All distribution centers containing fuses, circuit breakers and/or relays will be easily accessible.

Distribution centers located throughout the vehicle will contain battery powered studs for supplying customer installed equipment thus providing a lower cost of ownership.

Circuit protection devices, which conform to SAE standards, will be utilized to protect electrical circuits. All circuit protection devices will be rated per NFPA requirements to prevent wire and component damage when subjected to extreme current overload. General protection circuit breakers will be Type-I automatic reset (continuously resetting). When required, automotive type fuses will be utilized to protect electronic equipment. Control relays and solenoid will have a direct current rating of 125 percent of the maximum current for which the circuit is protected per NFPA.

Solid-State Control System

A solid-state electronics based control system will be utilized to achieve advanced operation and control of the vehicle components. A fully computerized vehicle network will consist of electronic modules, electronic control modules to include black housings, a power indicator and status indicator located near their point of use to reduce harness lengths and improve reliability. The control system will comply with SAE J1939-11 recommended practices.

The control system will operate as a master-slave system whereas the main control module instructs all other system components. The system will contain patented Mission Critical software that maintains critical vehicle operations in the unlikely event of a main controller error. The system will utilize a Real Time Operating System (RTOS) fully compliant with OSEK/VDX™ specifications providing a lower cost of ownership.

For increased reliability and simplified use the control system modules will include the following attributes:

- Green LED indicator light for module power
- Red LED indicator light for network communication stability status
- Control system self test at activation and continually throughout vehicle operation
- No moving parts due to transistor logic
- Software logic control for NFPA mandated safety interlocks and indicators
- Integrated electrical system load management without additional components
- Integrated electrical load sequencing system without additional components
- Customized control software to the vehicle's configuration
- Factory and field programmable to accommodate changes to the vehicle's operating parameters

To assure long life and operation in a broad range of environmental conditions, the solid-state control system modules will meet the following specifications:

- Module circuit board will meet SAE J771 specifications
- Operating temperature from -40C to +70C
- Storage temperature from -40C to +70C
- Vibration to 50g

IP67 rated enclosure (Totally protected against dust and also protected against the effect of temporary immersion between 15 centimeters and one (1) meter)

Operating voltage from eight (8) volts to 32 volts DC

The main controller will activate status indicators and audible alarms designed to provide warning of problems before they become critical.

Circuit Protection and Control Diagram

Copies of all job-specific, computer network input and output (I/O) connections will be provided with each chassis. The sheets will indicate the function of each module connection point, circuit protection information (where applicable), wire numbers, wire colors and load management information.

On-Board Electrical System Diagnostics

The on-board information center will include the following diagnostic information:

- Text description of active warning or caution alarms
- Simplified warning indicators
- Amber caution indication with intermittent alarm
- Red warning indication with steady tone alarm

Advanced diagnostic feature will be provided in this control system. From the Command Zone display or connected wireless device, these features allow the user to monitor the real-time status of every input or output on the vehicle. It also allows users logged in as an administrator to force on inputs or outputs to assist the troubleshooting process.

TCU Module with WiFi

An in cab module will provide WiFi wireless interface and data logging capability. The WiFi interface will comply with IEEE 802.11 b/g/n capabilities while communicating at 2.4 Gigahertz. The module will communicate through a white WiFi antenna allowing a line of site communication range of up to 300 feet with a roof mounted antenna.

The module will transmit a password protected web page to a WiFi enabled device (i.e. most smart phones, tablets or laptops) allowing two levels of user interaction. The firefighter level will allow vehicle monitoring of the vehicle and firefighting systems on the apparatus. The technician level will allow diagnostic access to inputs and outputs installed on the Command Zone™, control and information system.

The TCU capability will record faults from the engine, transmission, ABS and Command Zone™, control and information systems as they occur. No other data will be recorded at the time the fault occurs. The data TCU will provide up to 2 Gigabytes of data storage.

The TCU will provide a means to download the TCU information and update software in the device.

Indicator Light and Alarm Prove-Out System

A system will be provided which automatically tests basic indicator lights and alarms located on the cab instrument panel.

Voltage Monitor System

A voltage monitoring system will be provided to indicate the status of the battery system connected to the vehicle's electrical load. The system will provide visual and audible warning when the system voltage is below or above optimum levels.

The alarm will activate if the system falls below 11.8 volts DC for more than two (2) minutes.

Dedicated Radio Equipment Connection Points

There will be three (3) studs provided in the primary power distribution center located in front of the officer for two-way radio equipment. The studs will consist of the following:

- 12-volt 40-amp battery switched power
- 12-volt 60-amp ignition switched power
- 12-volt 60-amp direct battery power

There will also be a 12-volt 100-amp ground stud located in or adjacent to the power distribution center.

EMI/RFI Protection

To prevent erroneous signals from crosstalk contamination and interference, the electrical system will meet, at a minimum, SAE J551/2, thus reducing undesired electromagnetic and radio frequency emissions. An advanced electrical system will be used to ensure radiated and conducted electromagnetic interference (EMI) or radio frequency interference (RFI) emissions are suppressed at their source.

The apparatus will have the ability to operate in the electromagnetic environment typically found in fire ground operations to ensure clean operations. The electrical system will meet, without exceptions, electromagnetic susceptibility conforming to SAE J1113/25 Region 1, Class C EMR for 10KHz-1GHz to

100 Volts/Meter. The vehicle OEM, upon request, will provide EMC testing reports from testing conducted on an entire apparatus and will certify that the vehicle meets SAE J551/2 and SAE J1113/25 Region 1, Class C EMR for 10KHz-1GHz to 100 Volts/Meter requirements. Component and partial (incomplete) vehicle testing is not adequate as overall vehicle design can impact test results and thus is not acceptable by itself.

EMI/RFI susceptibility will be controlled by applying appropriate circuit designs and shielding. The electrical system will be designed for full compatibility with low-level control signals and high-powered two-way radio communication systems. Harness and cable routing will be given careful attention to minimize the potential for conducting and radiated EMI/RFI susceptibility.

ELECTRICAL SYSTEM PROGNOSTICS

There will be a software based vehicle tool provided to predict remaining life of the vehicles critical fluid and events.

The system will send automatic indications to the Command Zone™ information center and/or wireless enabled devices to proactively alert of upcoming service intervals.

Prognostics will include the following:

- Engine oil and filter
- Transmission oil and filter

ELECTRICAL

All 12-volt electrical equipment installed by the apparatus manufacturer will conform to modern automotive practices. All wiring will be high temperature crosslink type. Wiring will be run, in loom or conduit, where exposed and have grommets where wire passes through sheet metal. Automatic reset circuit breakers will be provided which conform to SAE Standards. Wiring will be color, function and number coded. Function and number codes will be continuously imprinted on all wiring harness conductors at 2.00" intervals. Exterior exposed wire connectors will be positive locking, and environmentally sealed to withstand elements such as temperature extremes, moisture and automotive fluids.

Electrical wiring and equipment will be installed utilizing the following guidelines:

1. All holes made in the roof will be caulked with silicon. Large fender washers, liberally caulked, will be used when fastening equipment to the underside of the cab roof.
2. Any electrical component that is installed in an exposed area will be mounted in a manner that will not allow moisture to accumulate in it. Exposed area will be defined as any location outside of the cab or body.
3. Electrical components designed to be removed for maintenance will not be fastened with nuts and bolts. Metal screws will be used in mounting these devices. Also a coil of wire will be provided behind the appliance to allow them to be pulled away from mounting area for inspection and service work.
4. Corrosion preventative compound will be applied to all terminal plugs located outside of the cab or body. All non-waterproof connections will require this compound in the plug to prevent corrosion and for easy separation (of the plug).

5. All lights that have their sockets in a weather exposed area will have corrosion preventative compound added to the socket terminal area.
6. All electrical terminals in exposed areas will have silicon applied completely over the metal portion of the terminal.

All lights and reflectors, required to comply with Federal Motor Vehicle Safety Standard #108, will be furnished. Rear identification lights will be recessed mounted for protection. Lights and wiring mounted in the rear bulkheads will be protected from damage by installing a false bulkhead inside the rear compartments.

An operational test will be conducted to ensure that any equipment that is permanently attached to the electrical system is properly connected and in working order.

The results of the tests will be recorded and provided to the purchaser at time of delivery.

BATTERY SYSTEM

There will be four (4) 12 volt Stryten/Exide®, Model 31S950X5W, batteries that include the following features will be provided:

- 950 CCA, cold cranking amps
- 190 amp reserve capacity
- High cycle
- Group 31
- Rating of 3800 CCA at 0 degrees Fahrenheit
- 760 minutes of reserve capacity
- Threaded stainless steel studs

Each battery case will be a black polypropylene material with a vertically ribbed container for increased vibration resistance. The cover will be manifold vented with a central venting location to allow a 45 degree tilt capacity.

The inside of each battery will consist of a "maintenance free" grid construction with poly wrapped separators and a flooded epoxy bottom anchoring for maximum vibration resistance.

BATTERY SYSTEM

There will be a single starting system with an ignition switch and starter button provided and located on the cab instrument panel.

MASTER BATTERY SWITCH

There will be a master battery switch provided within the cab within easy reach of the driver to activate the battery system.

An indicator light will be provided on the instrument panel to notify the driver of the status of the battery system.

BATTERY COMPARTMENTS

Batteries will be placed on non-corrosive mats and be stored in well ventilated compartments located under the cab and bolted directly to the chassis frame. The battery boxes will have reinforced sides. The

battery compartments will be constructed of 0.188" steel plate and be designed to accommodate a maximum of three (3) group 31 batteries in each compartment. The battery hold-downs will be of a non-corrosive material. All bolts and nuts will be stainless steel.

Heavy-duty, 2/0 gauge, color coded battery cables will be provided. Battery terminal connections will be coated with anti-corrosion compound.

Battery solenoid terminal connections will be encapsulated with semi-permanent rubberized compound.

JUMPER STUDS

One (1) set of battery jumper studs with plastic color-coded covers will be included on the battery compartments.

BATTERY CHARGER

There will be a Kussmaul™, Chief Series Smart Charger 6012, product code 091-266-12-60, 60 amp battery charger with build-in touch screen display provided.

The battery charger will be wired to the AC shoreline inlet through a junction box located near the battery charger.

The battery charger will be located in LS4, left side body compartment, mounted on the ceiling as far to the left side as practical.

REMOTE CONTROL PANEL - BATTERY CHARGER

There will be a Kussmaul™, Chief Series Smart Charger remote control panel, product code 091-266-RCP included.

The battery charger indicator/remote panel will be displayed through the window behind the driver seat. The display will be mounted on a bracket so that it is visible from outside the apparatus in the lower corner of the window.

AUTO EJECT FOR SHORELINE

There will be one (1) Kussmaul™, Model 091-55-20-120, 20 amp 120 volt AC shoreline inlet(s) provided to operate the dedicated 120 volt AC circuits on the apparatus.

The shoreline inlet(s) will include red weatherproof flip up cover(s).

There will be a release solenoid wired to the vehicle's starter to eject the AC connector when the engine is starting.

The shoreline(s) will be connected to the battery charger.

There will be a mating connector body supplied with the loose equipment.

There will be a label installed near the inlet(s) that state the following:

- Line Voltage
- Current Rating (amps)
- Phase

- Frequency

The shoreline receptacle will be located on the driver side of cab, above wheel.

GENERATOR TO SHORELINE TRANSFER SWITCH

There will be an automatic transfer switch between the onboard generator and the shoreline inlet. The loads connected to the transfer switch will be power from the onboard generator when the generator is running.

ELECTRIC POWER FOR WINCH

Electric power provisions will be furnished for the portable winch from the chassis battery system.

There will be a total quantity of four (4) receptacle plugs provided and located all 4 sides.

The front and rear receptacles plugs will each include a black cover.

Each side receptacles will include a red cover.

UL-LX COATING FOR BATTERY BOXES

The battery boxes on both sides of cab will have be sprayed with black UL-LX polyurethane/polyurea elastomer abrasive resistant material on all interior side walls and on the bottom surface.

JUMPER STUDS

One (1) set of battery jumper studs with plastic color coded covers will be located at the drivers side cab step area. A tag will be provided for positive/negative terminals.

ALTERNATOR

There will be a Leece-Neville, Model BLP4003, alternator provided. It will have a rated output current of 420 amp as measured by SAE method J56. The alternator will feature an integral, self diagnostic regulator and rectifier. The alternator will be connected to the power and ground distribution system with heavy-duty cables sized to carry the full rated alternator output.

ELECTRONIC LOAD MANAGER

An electronic load management (ELM) system will be provided that monitors the vehicles 12-volt electrical system, automatically reducing the electrical load in the event of a low voltage condition, and automatically restoring the shed electrical loads when a low voltage condition expires. This ensures the integrity of the electrical system.

For improved reliability and ease of use, the load manager system will be an integral part of the vehicle's solid state control system requiring no additional components to perform load management tasks. Load management systems which require additional components will not be allowed.

The system will include the following features:

- System voltage monitoring.
- A shed load will remain inactive for a minimum of five minutes to prevent the load from cycling on and off.
- Sixteen available electronic load shedding levels.

- Priority levels can be set for individual outputs.
- High Idle to activate before any electric loads are shed and deactivate with the service brake.
 - If enabled:
 - "Load Man Hi-Idle On" will display on the information center.
 - Hi-Idle will not activate until 30 seconds after engine start up.
- Individual switch "on" indicator to flash when the particular load has been shed.
- The information center indicates system voltage.

The information center, where applicable, includes a "Load Manager" screen indicating the following:

- Load managed items list, with priority levels and item condition.
- Individual load managed item condition:
 - ON = not shed
 - SHED = shed

SEQUENCER

A sequencer will be provided that automatically activates and deactivates vehicle loads in a preset sequence thereby protecting the alternator from power surges. This sequencer operation will allow a gradual increase or decrease in alternator output, rather than loading or dumping the entire 12 volt load to prolong the life of the alternator.

For improved reliability and ease of use, the load sequencing system will be an integral part of the vehicle's solid state control system requiring no additional components to perform load sequencing tasks. Load sequencing systems which require additional components will not be allowed.

Emergency light sequencing will operate in conjunction with the emergency master light switch. When the emergency master switch is activated, the emergency lights will be activated one by one at half-second intervals. Sequenced emergency light switch indicators will flash while waiting for activation.

When the emergency master switch is deactivated, the sequencer will deactivate the warning light loads in the reverse order.

Sequencing of the following items will also occur, in conjunction with the ignition switch, at half-second intervals:

- Cab Heater and Air Conditioning
- Crew Cab Heater (if applicable)
- Crew Cab Air Conditioning (if applicable)
- Exhaust Fans (if applicable)
- Third Evaporator (if applicable)

HEADLIGHTS

There will be four (4) JW Speaker®, Model 8800, 4" x 6" rectangular LED lights mounted in the front quad style, chrome housing on each side of the cab grille:

- the outside light on each side will contain a part number 055***1 low beam module
- the inside light on each side will contain a part number 055***1 high beam module

- the headlights to include chrome bezels

The low beam lights will be activated when the headlight switch is on.

The high beam and low beam lights will be activated when the headlight switch and the high beam switch is activated.

FRONT DIRECTIONALS

The front directional's will be Whelen®, Model M62T, 4.31" high x 6.75" wide x 1.37" deep directional lights with amber LEDs. The lens color(s) to be clear. The directional's will be housed in the same common bezel as the front warning light and will be located above the headlights. The housing to be polished and the trim shall be chrome.

The flash pattern of the directional lights will be Steady On (Arrow).

INTERMEDIATE LIGHT

There will be two (2) Weldon, Model 9186-8580-29, amber LED turn signal marker lights furnished, one (1) each side, in the rear fender panel. The light will double as a turn signal and marker light.

CAB CLEARANCE/MARKER/ID LIGHTS

There will be seven (7) amber LED lights provided per the following:

- Three (3) amber LED identification lights will be installed in the center of the cab above the windshield.
- Two (2) amber LED clearance lights will be installed, one (1) on each outboard side of the cab above the windshield as close to the outside of the apparatus as practical.
- Two (2) amber LED clearance lights will be installed, one (1) on each side of the cab as high and far forward as practical.

The lights will be installed without guards.

FRONT CAB SIDE DIRECTIONAL/MARKER LIGHTS

There will be two (2) Weldon, Model 9186-8580-29, amber LED lights installed front of the cab door, one (1) on each side of the cab.

The lights will activate as marker lights with the headlight switch and directional lights with the corresponding directional circuit.

REAR CLEARANCE/MARKER/ID LIGHTING

There will be a three (3) LED light bar used as identification lights located at the rear of the apparatus per the following:

- As close as practical to the vertical centerline
- Centers spaced not less than 6.00" or more than 12.00" apart
- Red in color
- All at the same height

There will be two (2) LED lights installed at the rear of the apparatus used as clearance lights located at the rear of the apparatus per the following:

- To indicate the overall width of the vehicle
- One (1) each side of the vertical centerline
- As near the top as practical
- Red in color
- To be visible from the rear
- All at the same height

There will be two (2) LED lights installed on the side of the apparatus used as marker lights as close to the rear as practical per the following:

- To indicate the overall length of the vehicle
- One (1) each side of the vertical centerline
- As near the top as practical
- Red in color
- To be visible from the side
- All at the same height

There will be two (2) red reflectors located on the rear of the truck facing to the rear. One (1) each side, as far to the outside as practical, at a minimum of 15.00", but no more than 60.00", above the ground.

There will be two (2) red reflectors located on the side of the truck facing to the side. One (1) each side, as far to the rear as practical, at a minimum of 15.00", but no more than 60.00", above the ground.

Per FMVSS 108 and CMVSS 108 requirements.

REAR FMVSS LIGHTING

The rear stop/tail and directional lighting will include the following:

- Two (2) Whelen®, Model M62BTT, 4.30" high x 6.70" wide x 1.40" deep brake/tail lights with red LEDs
- Two (2) Whelen, Model M62T, 4.30" high x 6.70" wide x 1.40" deep directional lights with amber LEDs. The directional lights will be set to Steady On (Arrow) flash pattern.
- The lens color(s) to be clear.
- The lights to include chrome trim.

There will be two (2) Whelen® Model M62BU, 4.31" high x 6.75" wide x 1.37" deep backup lights with white LEDs, clear lenses and chrome trim provided.

LICENSE PLATE BRACKET

One (1) license plate bracket constructed of stainless steel will be provided at the rear of the apparatus.

One (1) white LED light with chrome housing will be provided to illuminate the license plate. A stainless steel light shield will be provided over the light that will direct illumination downward, preventing white light to the rear.

BACK-UP ALARM

A PRECO, Model 1040, solid-state electronic audible back-up alarm that actuates when the truck is shifted into reverse will be provided. The device will sound at 60 pulses per minute and automatically adjust its volume to maintain a minimum ten (10) dBA above surrounding environmental noise levels.

SYNCHRONIZE WARNING LIGHTS

The sync wires to the following four (4) lights located front warning lights on the apparatus will be connected together to maintain the flash patterns of the lights.

The lights located front M6 lights will remain on phase 1 or flash together.

The lights located front rota-beam lights will be changed to phase 2 or flash opposite the lights selected above.

CAB PERIMETER SCENE LIGHTS

There will be four (4) Amdor, Model AY-LB-12HW020, 350 lumens each, 20.00" white LED strip lights provided, one (1) for each cab door.

These lights will be activated automatically when the battery switch is on and the exit doors are opened or by the same means as the body perimeter scene lights.

BODY PERIMETER SCENE LIGHTS

There will be two (2) Amdor, Model AY-LB-12HW020, 350 lumens, 20.00" long, white LED's, 12 volt DC lights provided at the rear step area of the body, one (1) each side shining to the rear.

The perimeter scene lights will be activated when the parking brake is applied.

ADDITIONAL PERIMETER LIGHTS

There will be five (5) Amdor® Model AY-LB-12HW020, 350 lumens, 20.00" long, with white LED's installed with one (1) light under the front bumper, one (1) light under compartment LS1, one (1) light under compartment RS1, one (1) light under the compartment RS3 and RS4 door jamb and one (1) light centered under the compartments LS3 and LS4.

With the chassis battery switch energized, the lights will be activated by the same means as the body perimeter lights.

ENHANCED SOFTWARE FOR PERIMETER LIGHTS

All perimeter lights will be deactivated when the parking brake is released unless alternate control is selected.

The cab and crew cab perimeter lights will remain on for ten (10) seconds for improved visibility after the doors closed.

STEP LIGHTS

Step lights will be provided both at the rear of the body and in the recessed walkway on the roof of the body. All step lights will be white LED lights.

There will be one (1) step light provided on each side of the tailboard at the rear of the body.

There will be one (1) chrome plated hooded step light provided every 4' in the recessed walkway.

Additional step lights will be installed under the following conditions:

- If a roof access ladder is installed on the rear of the apparatus, there will be one (1) step light installed at the top of the each roof access ladder.

In order to ensure exceptional illumination, each light will provide a minimum of 25 foot-candles (fc) covering an entire 15.00" x 15.00" square placed 10.00" below the light and a minimum of 1.5 fc covering an entire 30.00" x 30.00" square at the same 10.00" distance below the light.

The step lights will be controlled by a switch installed at the rear of the unit in an easily accessible area.

All other steps on the apparatus will be illuminated per the current edition of NFPA 1901.

12 VOLT LIGHTING

There will be one (1) HiViz Model FT-MB-33-*-* , 2.56" high x 42.44" long x 2.45" deep 12,210 effective lumens 12 volt DC LED light(s) with a combination of flood and spot optics provided on the front visor, centered.

The painted parts of the light housing and brackets to be white.

The light(s) will be controlled by a switch at the driver's side switch panel.

The light(s) may be load managed when the parking brake is applied.

12 VOLT LIGHTING

There will be two (2) HiViz Model FT-MB-12-* , 2.56" high x 17.65" long x 3.31" deep 6,336 lumens 12 volt DC LED light(s) with with a combination of flood and spot optics provided on the cab roof located, one (1) on the driver's side roof and one (1) on the passenger's side roof at a 30 degree outward angle from the front of the cab.

The painted parts of the light housing and brackets to be white.

The light(s) will be controlled by the same control that has been selected for the visor light(s).

The light(s) may be load managed when the parking brake is applied.

12 VOLT DC SCENE LIGHTS

There will be one (1) Whelen® Model PCPSM2* , 16,000 lumens 12 volt DC powered light(s) with white LEDs installed on the cab located, above crew cab window, DS.

The surface mount housing(s) will be provided with a chrome cover.

The light(s) will be activated by a switch at the driver's side switch panel and when the cab or crew cab doors on the driver's side are open.

The light(s) may be load managed when the parking brake is applied.

12 VOLT DC SCENE LIGHTS

There will be one (1) Whelen® Model PCPSM2*, 16,000 lumens 12 volt DC powered light(s) with white LEDs installed on the cab located, above the crew cab window, PS.

The surface mount housing(s) will be provided with a chrome cover.

The light(s) will be activated by a switch at the driver's side switch panel and when the cab or crew cab doors on the passenger's side are open.

The light(s) may be load managed when the parking brake is applied.

12 VOLT LIGHTING

There will be two (2) Whelen® Model PCPSM2*, 16,000 lumens 12 volt DC surface mount light(s) installed on the body of the apparatus located, front and rear upper body, below warning lights, PS.

The light(s) will include housing(s) with a chrome cover.

The light(s) will be controlled by the same control that has been selected for the passenger's side scene light(s).

The light(s) may be load managed when the parking brake is applied.

12 VOLT LIGHTING

There will be two (2) Whelen® Model PCPSM2*, 16,000 lumens 12 volt DC surface mount light(s) installed on the body of the apparatus located, front and rear upper body, below warning lights, DS.

The light(s) will include housing(s) with a chrome cover.

The light(s) will be controlled by the same control that has been selected for the driver's side scene light(s).

The light(s) may be load managed when the parking brake is applied.

REAR SCENE LIGHT(S)

There will be two (2) Whelen®, Model PCPSM*, 10,444 lumens scene light(s) with a chrome cover and white LEDs installed at the rear of the apparatus, one (1) each side high on rear body bulkhead .

The light(s) will be controlled by a switch at the driver's side switch panel and when the emergency master switch is activated and the transmission is shifted into reverse.

The light(s) may be load managed when the parking brake is applied.

HEAVY DUTY RESCUE BODY CONSTRUCTION

The body will be built as a separate module prior to being mounted onto the substructure. The rescue body will be constructed of 5052 aluminum. The structural support framing and the gussets used will be of 2.00" (51 mm) square 0.125" (3 mm) wall 6061 aluminum alloy tubing. All exterior body corners will be 3.00" (76 mm) radius aluminum, corrosion resistant alloy 6061 extrusions. Spacing of the 2.00" (51 mm) vertical supports will not exceed 14.00" (356 mm) on center. The roof and corner extrusions will be reinforced with interconnecting gusset supports at all stress points. The body will be properly welded into a unitized

construction. Proper reinforcing and supports will be utilized throughout the entire construction process to ensure strength and rigidity.

The body will be supported by 2.00" (51 mm) x 2.00" (51 mm) x 0.25" (6 mm) wall aluminum tubing. The cross sill tubes will be spaced approximately 15.00" (381 mm) on center and interconnected to the body from front to rear.

A 1.00" (25 mm) x 3.00" (76 mm) aluminum bar will be used as a stringer and will be welded to the cross sills. The stringer will be used to mount the body to the chassis frame rails.

ROOF CONSTRUCTION

The roof will be integral with the body construction. The roof will be constructed of 0.125" (3 mm) bright aluminum treadplate and supported by 2.00" (51 mm) square 0.125" (3 mm) wall tubing welded in place approximately 12.00" (305 mm) on center. The roof will be further reinforced with 2.00" (51 mm) square gussets welded approximately every 48.00" (1219 mm). The roof perimeters will be constructed of a 3.00" (76 mm) radius extrusion with an integral drip molding. The roof extrusion will also have an inset allowing the roof panel to be recessed into the extrusion giving further support and sealing effect at the outside edge.

The roof panel will be welded to the roof extrusions and supports. All roof seams will be continuously welded.

BODY AND COMPARTMENT SUPPORT

The substructure for the body will not be integral with the body but will be a separate assembly.

The bottom of each lower compartment floor will be supported by an under slung steel angle grid that will be bolted to the chassis frame rails with grade 8 bolts in order to transfer major stress to the chassis frame and not through the body. The under slung support will be constructed of 0.50" (13 mm) x 2.50" (64 mm) x 2.50" (64 mm) steel angle vertical supports. Horizontal members will be 0.38" (10 mm) x 2.00" (51 mm) x 3.00" (76 mm) and 0.38" (10 mm) x 2.50" (64 mm) x 3.50" (89 mm) steel angle.

The complete substructure will be washed, primed and finish painted before being bolted to the chassis frame. A rubber coating will be applied over the painted under slung support structure for an additional corrosion barrier.

A 3.00" (76 mm) x 0.75" (19 mm) rubber liner will be placed on top of the chassis frame rails. The liner will be used to prevent metal to metal contact where the body stringer rests on the chassis frame rails.

The compartment floors will be bolted to the under slung substructure and the body will be secured to the chassis frame by a minimum of four (4) tie-down assemblies. Each tie-down assembly will consist of two (2) 2.00" (51 mm) x 6.25" (159 mm) x 0.75" (19 mm) steel plates and two (2) 14.00" (356 mm) long, 0.50" (13 mm) diameter steel rods. The tie-downs will be easily accessible so that the body may be removed.

BODY LENGTH

The length of the body will be 221.00" (5,613 mm).

BODY WIDTH

The width of the body will be 96.00".

Compartment Depth

Standard Depth

All standard depth side body compartments will measure 28.00" deep from the outside of the body to the rear compartment wall. The usable depth inside each side body compartment will be 26.00" deep.

Transverse

All transverse side body compartments will have a usable depth of 26.00" at the floor level. These compartments will extend over the frame rails through to the other side of the body.

BODY HEIGHT

The height of the body will be 103.25" without any roof mounted options.

ROOF CONFIGURATION

The roof of the body will be configured with side hatch compartments, a recessed walkway, and a recessed area for mounting equipment. The recessed area will be located as far forward as possible, spanning the full width of the body.

The side hatch compartments will be provided on both sides of the body in the following configuration:

- There will be two (2) hatch compartments on each side of the roof.

The recessed walkway will be centered between the side hatch compartments.

Recessed Area

The recessed area will be constructed of 0.125" aluminum treadplate and will have two (2) 1.00" diameter drain holes. The drains will be routed to drain below the body.

The recessed area will be sized appropriately in order to allow proper mounting space and clearance for all roof mounted equipment where the designated mounting location is the recess on the roof of the body. The maximum allowable depth of the recessed area will be equal to the depth of the recessed walkway. The recess will be configured so that whenever possible, items mounted in the recess will stow below the roof line of the body. If a piece of equipment is taller than the maximum depth of the recess, that item may protrude above the roof line.

Hatch Compartments

All compartment doors will be designed to hinge on the outboard side and will be held open with gas cylinder struts.

The outside walls of the compartments will be a double wall design to prevent equipment from denting the outside painted surface.

A 1.00" diameter drain will be provided on the floor of each compartment. The drains will be routed to drain below the body.

Size of Hatch Compartments

The clear width of the side hatch compartments differs depending on the width of the body. The clear width of each side hatch compartment will be as follows:

Clear Width of Side Hatch Compartments According to Width of Body	
Body Width	Clear Width of Hatch Compartments
96.00"	26.50"
100.00"	28.50"

All hatch compartments on the roof of the body will have the same clear depth inside the compartment unless listed otherwise. The inside depth can differ depending on the height of the body. The clear depth inside each hatch compartment will be as follows:

Inside Depth of All Hatch Compartments According to Body Height	
Body Height	Inside Depth of Hatch Compartments
90.00"	16.50"
98.00"	24.50"
100.00"	26.50"
103.25"	29.50"
106.25"	32.50"
Body Height Not Listed Here	Consult factory for depth of hatch compartments

Recessed Walkway

The recessed walkway will not be less than 30.00" wide. The depth of the walkway will be equal to the depth of the hatch compartments. The walkway will be constructed of aluminum treadplate and reinforced with 0.125" thick, 2.00" square aluminum tubing on 12.00" centers.

The treadplate in the walkway will be formed up 90 degrees at least 2.00" on each side to form a double 0.125" vertical wall for a water tight seal.

There will be two (2) 1.00" diameter drain holes provided in the walkway. The drains will be routed to drain below the body.

SIDE COMPARTMENT ROLL-UP DOORS

There will be eight (8) compartment doors installed on the side compartments, double faced, aluminum construction, painted one (1) color to match the lower portion of the body and manufactured by AMDOR™ brand roll-up doors.

Door(s) will be constructed using 1.00" extruded double wall aluminum slats which will feature a flat smooth interior surface to provide maximum protection against equipment hang-up. The slats will be connected with a structural driven ball and socket hinge designed to provide maximum curtain diaphragm strength. Mounting and adjusting the curtain will be done with a clip system that connects the curtain to the balancer drum allowing for easy tension adjustment without tools. The slats will be mounted in reusable slat shoes with positive snap-lock securement.

Each slat will incorporate weather tight recessed dual durometer seals. One (1) fin will be designed to locate the seal within the extrusion. The second fin will serve as a wiping seal which will also allow for compression to prevent water ingress.

The doors will be mounted in a one (1)-piece aluminum side frame with recessed side seals to minimize seal damage during equipment deployment. All seals including side frames, top gutters and bottom panel are to be manufactured utilizing non-marring materials.

Bottom panel flange of roll-up door will be equipped with two (2) cut-outs to allow for easier access with gloved hands.

A stainless steel lift bar to be provided for opening the door and located at the bottom of each door with latches on the outer extrusion of the door frame. A ledge to be supplied over lift bar for additional area to aid in closing the door. The lift bar will be located at the bottom of door with striker latches installed at the base of the side frames. Side frame mounted door strikers will include support beneath the stainless steel lift bar to prevent door curtain bounce, improve bottom seal life expectancy and to avoid false door ajar signals.

All injection molded roll-up door wear components will be constructed of Type 6 nylon.

Each roll-up door will have a 3.00" diameter balancer/tensioner drum to assist in lifting the door.

The header for the roll-up door assembly will not exceed 4.00".

A heavy-duty magnetic switch will be used for control of open compartment door warning lights.

EXTERIOR COMPARTMENTS

The exterior compartment layout, dimensions and requirements will be minimum specifications. The doors will be able to withstand years of rugged service and wear. For this reason, the compartment door design, metal thickness and attachments will be strictly adhered to. The compartment will be constructed of 0.125" (3 mm)-corrosion resistant aluminum alloy, including all interior panels, floor and sides. The assemblies will be held inside fixtures while being welded.

Compartment flooring will be of the sweep out design with the floor higher than the compartment door frame. All compartments will be supported on top, rear and bottom. The rear wall of each exterior compartment will be welded to the cross sills. Drip protection will be provided over all door openings with an integral roof extrusion or aluminum extrusion.

WHEEL WELLS

The rear fenders will be an integral part of the body sides and compartments. The inside of the fender will be fitted with a full circular inner fender liner. All screws and bolts, which protrude into a compartment, will have acorn nuts attached.

LEFT FORWARD COMPARTMENTS

First Compartment

The first compartment will be located behind the cab. The compartment will be provided with a full-height roll-up door.

Dimensions of First Compartment	
Width	Door Frame Opening: 48.00" wide; Clear Door Opening: 45.50" wide; Interior Compartment Width: 50.50" wide

Height	Door Frame Opening: 64.00" high; Clear Door Opening: 58.00" high; Interior Compartment Height: 66.88" high
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The compartment will be transverse, extending over the frame rails through to the other side of the body. The area over the frame rails will be 50.50" wide. The height of the area over the frame rails will be 49.25" high.

Second Compartment

The second compartment will be located behind the first compartment and directly ahead of the rear wheels. The compartment will be provided with a full-height roll-up door.

Dimensions of Second Compartment	
Width	Door Frame Opening: 48.00" wide; Clear Door Opening: 45.50" wide; Interior Compartment Width: 50.88" wide
Height	Door Frame Opening: 64.00" high; Clear Door Opening: 58.00" high; Interior Compartment Height: 66.88" high

The compartment will be transverse, extending over the frame rails through to the other side of the body. The area over the frame rails will be 50.88" wide. The height of the area over the frame rails will be 49.25" high.

Compartment Loading

Each compartment will be capable of holding 1,100 lb. The area over the frame rails in each compartment will be capable of holding an additional 1,000 lb.

LEFT OVER WHEEL COMPARTMENT

A compartment will be provided above the rear wheels. The compartment will be provided with a full height roll-up door.

Dimensions of Left Over Wheel Compartment	
Width	Door Frame Opening: 57.00" wide; Clear Door Opening: 54.50" wide; Interior Compartment Width: 62.50" wide
Height	Door Frame Opening: 36.25" high; Clear Door Opening: 31.25" high; Interior Compartment Height: 39.13" high

The compartment will be transverse, extending through to the other side of the body. The area over the frame rails will be 62.50" wide x 39.13" high.

Compartment Loading

The compartment will be capable of holding 1,200 lb. The area over the frame rails will be capable of holding an additional 1,000 lb.

LEFT REAR SIDE COMPARTMENT

The left rear side compartment will be located directly behind the rear wheels. The compartment will be provided with a full-height roll-up door.

Dimensions of Left Rear Side Compartment	
Width	Door Frame Opening: 48.00" wide; Clear Door Opening: 45.50" wide; Interior Compartment Width: 50.50" wide
Height	Door Frame Opening: 64.00" high; Clear Door Opening: 58.00" high; Interior Compartment Height: 66.88" high

Compartment Loading

The compartment will be capable of holding 1,100 lb.

RIGHT FORWARD COMPARTMENTS

First Compartment

The first compartment will be located behind the cab. The compartment will be provided with a full-height roll-up door.

Dimensions of First Compartment	
Width	Door Frame Opening: 48.00" wide; Clear Door Opening: 45.50" wide; Interior Compartment Width: 50.50" wide
Height	Door Frame Opening: 64.00" high; Clear Door Opening: 58.00" high; Interior Compartment height: 66.88" high

The compartment will be transverse, extending through to the other side of the body. The width of the area over the frame rails will be 50.50" wide. The height of the area over the frame rails will be 49.25" high.

Second Compartment

The second compartment will be located behind the first compartment and directly ahead of the rear wheels. The compartment will be provided with a full-height roll-up door.

Dimensions of Second Compartment	
Width	Door Frame Opening: 48.00" wide; Clear Door Opening: 45.50" wide; Interior Compartment Width: 50.88" wide
Height	Door Frame Opening: 64.00" high; Clear Door Opening: 58.00" high; Interior Compartment height: 66.88" high

The compartment will be transverse, extending through to the other side of the body. The width of the area over the frame rails will be 50.88" wide. The height of the area over the frame rails will be 49.25" high.

Compartment Loading

Each compartment will be capable of holding 1,100 lb. The area over the frame rails will be capable of holding an additional 1,000 lb in each compartment.

RIGHT OVER WHEEL COMPARTMENT

A compartment will be provided above the rear wheels. The compartment will be provided with a full height roll-up door.

Dimensions of Right Over Wheel Compartment	
Width	Door Frame Opening: 57.00" wide; Clear Door Opening: 54.50" wide; Interior Compartment Width: 62.50" wide
Height	Door Frame Opening: 36.25" high; Clear Door Opening: 31.25" high; Interior Compartment Height: 39.13" high

The compartment will be transverse, extending through to the other side of the body. The area over the frame rails will be 62.50" wide x 39.13" high.

Compartment Loading

The compartment will be capable of holding 1,200 lb. The area over the frame rails will be capable of holding an additional 1,000 lb.

RIGHT REAR SIDE COMPARTMENT

The right rear side compartment will be located directly behind the rear wheels. The compartment will be provided with a full-height roll-up door.

Dimensions of Right Rear Side Compartment	
Width	Door Frame Opening: 48.00" wide; Clear Door Opening: 45.50" wide; Interior Compartment Width: 50.50" wide
Height	Door Frame Opening: 64.00" high; Clear Door Opening: 58.00" high; Interior Compartment Height: 66.88" high

Compartment Loading

The compartment will be capable of holding 1,100 lb.

REAR COMPARTMENT

Roll-Up Door

A roll-up door will be installed on the rear compartment. The door will be manufactured by AMDOR™ brand roll-up doors. The door finish will be painted one (1) color to match the lower portion of the body.

The door will be constructed using 1.00" (25 mm) extruded double wall aluminum slats which will feature a flat smooth interior surface to provide maximum protection against equipment hang-up. The slats will be connected with a structural driven ball and socket hinge designed to provide maximum curtain diaphragm strength. Mounting and adjusting the curtain will be done with a clip system that connects the curtain to the balancer drum allowing for easy tension adjustment without tools. The slats will be mounted in reusable slat shoes with positive snap-lock securement.

Each slat will incorporate weather tight recessed dual durometer seals. One (1) fin will be designed to locate the seal within the extrusion. The other fin will serve as a wiping seal which will also allow for compression to prevent water ingress.

The door will be mounted in a one (1)-piece aluminum side frame with recessed side seals to minimize seal damage during equipment deployment. All seals including side frames, top gutters and bottom panel are to be manufactured utilizing non-marring materials.

The bottom panel flange of roll-up door will be equipped with two (2) cut-outs to allow for easier access with gloved hands.

A stainless steel lift bar to be provided for opening the door and located at the bottom of each door with latches on the outer extrusion of the door frame. A ledge to be supplied over lift bar for additional area to aid in closing the door. The lift bar will be located at the bottom of door with striker latches installed at the base of the side frames. Side frame mounted door strikers will include support beneath the stainless steel lift bar to prevent door curtain bounce, improve bottom seal life expectancy and to avoid false door ajar signals.

All injection molded roll-up door wear components will be constructed of Type 6 Nylon.

The door will have a 3.00" (76 mm) diameter ballancer/tensioner drum to assist in lifting the door (garage door style).

The header for the roll-up door assembly will not exceed 4.00" (102 mm).

A heavy-duty magnetic switch will be used for control of "open compartment door" warning lights.

Compartment Door Size

Dimensions of Roll-Up Door (96.00" or 100.00" Wide Body)		
	Door Frame Opening	Clear Door Opening
With Recessed Walkway on Roof of Body	Width: 40.00" (1,016 mm) Height: 64.00" (1,626 mm)	Width: 37.25" (946 mm) Height: 57.13" (1,451 mm)
Without Recessed Walkway on Roof of Body	Width: 40.00" (1,016 mm) Height: 79.75" (2,026 mm)	Width: 37.25" (946 mm) Height: 73.88" (1,851 mm)

Interior Dimensions

Interior Width of Rear Compartment	
Body Width	Interior Width of Compartment
96.00" (2,438 mm) or 100.00" (2,540 mm)	40.00" (1,016 mm)

The frame rails will extend part of the way into the rear compartment at the floor level creating two (2) different values for the height and depth of the compartment. Both the height and depth of the compartment will be different when measured behind the frame rails as compared to when measured above the frame rails.

Interior Height of Rear Compartment		
	Full Height (Behind Frame Rails)	Height Above Frame Rails
Any Body with Recessed Walkway on Roof of Body	67.00" (1,702 mm)	49.37" (1,254 mm)

90.00" (2,286 mm) High Body without Recessed Walkway	82.75" (2,102 mm)	65.12" (1,654 mm)
98.00" (2,489 mm) High Body without Recessed Walkway	90.75" (2,305 mm)	73.12" (1,857 mm)
Non-Standard Body Height without Recessed Walkway	Dimension available upon request	Dimension available upon request

Depth of Rear Compartment

The rear compartment will be 26.00" (660 mm) deep at the floor level behind the frame rails.

The depth of the rear compartment above the frame rails can vary according to the configuration of the body. This dimension is dependent upon both the width and depth of the following compartments:

- Left Rear Side Compartment
- Right Rear Side Compartment
- Left Over the Wheel Compartment
- Right Over the Wheel Compartment

Depth of Rear Compartment Over the Frame				
	48.00" Rear Side Compts	60.00" Rear Side Compts	Rear Side Compts: Width Not Listed Here	Rear Side Compts: Transverse (Any Width)
Standard Over Wheel Compts	114.50" (2,908 mm)	126.50" (3,213 mm)	Width of Side Rear Compartments + 68.50" (1,740 mm)	No rear compartment. Door only.
Transverse Over Wheel Compts	51.88" (1,318 mm)	63.88" (1,623 mm)	Width of Side Rear Compartments + 5.88" (149 mm)	No rear compartment. Door only.
Over Wheel Compts: Non-Standard Dimension	Dimension available upon request	Dimension available upon request	Dimension available upon request	No rear compartment. Door only.

Compartment Loading

The compartment will be capable of holding 1,000 lb (454 kg). The area over the frame rails will be capable of holding an additional 2,000 lb (908 kg).

ELECTRIC AWNING

An electrically opening and closing awning with 12 VDC electric motor will be supplied. The awning will be stored in a metal enclosure on the side of the body with end fairings for blending into the side of the body when not in use. The awning enclosure will be powder coated white.

A switch will be provided for easy push button convenience inside an adjacent forward compartment. A sensor will be provided to retract the awning automatically in high wind conditions. A manual crank will be provided in the event of a power failure.

The awning will be as long as possible with a minimum length of 12' and a maximum length of 17'. The awning projection will be 9' 9.00" from the body.

When fully extended, the awning will be self supported without the use of poles extending to the ground.

The awning will activate the Do Not Move Truck indicator circuit to alert the cab occupant(s) that the awning is not in the stowed position when the parking brake is released.

The awning will be red.

A total of one (1) will be supplied.

The awning will be installed PS.

HITCH RECEIVERS

A total of three (3) hitch receivers will be provided on the apparatus. The hitch receivers will be constructed of heavy steel tubing and reinforced to the apparatus framework.

Rear Receiver

A class IV hitch receiver will be installed under the body at the rear of the apparatus.

The hitch receiver will be tested to provide a 2:1 straight line pull no-yield safety factor over a maximum load rating of 10,000 lb . As a result, the hitch receiver will provide a towing capacity of 10,000 lb, and a 1,000 lb tongue weight when used with a weight distributing hitch assembly. The hitch receiver will also be capable of retaining a portable winch with a rating of no more than 10,000 lb, and is properly rated to be used for rope operations when used with properly rated equipment.

A heavy-duty slide-in tube and ball assembly with retaining pin will be included with the rear hitch receiver.

Trailer Wiring

The trailer connection for the rear hitch receiver will be a seven (7)-way flat blade recreational vehicle connector for trailer wiring compatible with electric brake systems, and a second connector with inverted ground meeting SAE J560 standards providing an auxiliary connection for warning devices.

Side Receivers

There will be one (1) hitch receiver installed through the body fender panel in front of the rear wheels on each side of the body.

Each hitch receiver will be tested to provide a 2:1 straight line pull no-yield safety factor over a maximum load rating of 10,000 lb. As a result, each of these hitch receivers will be capable of retaining a portable winch with a rating of no more than 10,000 lb. Each hitch receiver will also be capable of being used for rope operations when used with properly rated equipment.

A spring loaded stainless steel door will be provided on the exterior of the body to cover the end of each side hitch receiver. Each door will have a flush latch provided to prevent the door from opening while not in use. A stainless steel trim ring will be provided to prevent damage to the exterior finish around the opening. Each door will have a brushed stainless steel finish.

Access to the pin of each side hitch receiver will be provided through the compartment ahead of the receiver and through the fender liner. A small hinged door will be provided to cover the fender access in order to prevent debris from entering the area of the retaining pin. A rubber cover will be provided to cover the access inside the forward compartment to prevent road dust from entering the compartment.

ROOF ACCESS LADDER

A Zico, Model RL-2-6 Quic-Ladder will be provided at the rear of the body.

The ladder handrails will be constructed out of 1.25" heavy-walled aluminum tubing that is covered with a black, heat-resistant, powder coated finish. Each step will have a flat non-skid surface that is 3.00" deep x 18.00" wide. A swing-out and down extension section at the bottom of the ladder will be provided.

The ladder will be mounted on the right side at the rear of the body.

LEFT SIDE UNDER BODY COMPARTMENT WITH DRAWER

A total of one (1) under body compartment(s) will be provided on the left side of the apparatus, located ahead of the rear wheels. The location of each compartment ahead of the rear wheels will be: under LS3 and LS4.

The compartment will be constructed of bright aluminum treadplate. The compartment will be equipped with a slide-out drawer that is rated for a maximum distributed load of 500 lb. The front of the drawer will have an aluminum treadplate finish. The drawer will extend no more than 22.00" from the stowed position. The drawer slides will have ball bearings for ease of operation and years of dependable service. A D-ring slam latch handle will be provided on the front of the drawer for securing and opening the drawer. Weather stripping will be installed around all opening surfaces to provide a weather resistant seal.

The drawer will be as wide as possible up to a maximum of 72.00". The inside of the drawer will have a clear height of 8.00" and a minimum clear depth of at least 21.50", but will be made as deep as possible to fit the configuration. Several different factors can affect the maximum depth of the drawer. These factors may include, but are not limited to the following:

- The width of the body.
- The front suspension.
- The location of the exhaust canister.
- Items mounted on the chassis frame rails.
- Items mounted under the body.

The actual depth of the drawer will be provided during the engineering process after all factors have been taken into account.

RIGHT SIDE UNDER BODY COMPARTMENT WITH DRAWER

A total of one (1) under body compartment(s) will be provided on the right side of the apparatus, located ahead of the rear wheels. The location of each compartment ahead of the rear wheels will be: under RS3 and RS4.

The compartment will be constructed of bright aluminum treadplate. The compartment will be equipped with a slide-out drawer that is rated for a maximum distributed load of 500 lb. The front of the drawer will

have an aluminum treadplate finish. The drawer will extend no more than 22.00" from the stowed position. The drawer slides will have ball bearings for ease of operation and years of dependable service. A D-ring slam latch handle will be provided on the front of the drawer for securing and opening the drawer. Weather stripping will be installed around all opening surfaces to provide a weather resistant seal.

The drawer will be as wide as possible up to a maximum of 72.00". The inside of the drawer will have a clear height of 8.00" and a minimum clear depth of at least 21.50", but will be made as deep as possible to fit the configuration. Several different factors can affect the maximum depth of the drawer. These factors may include, but are not limited to the following:

- The width of the body.
- The front suspension.
- The location of the exhaust canister.
- Items mounted on the chassis frame rails.
- Items mounted under the body.

The actual depth of the drawer will be provided during the engineering process after all factors have been taken into account.

OIL DRY HOPPER

A portion of the roof hatch compartment will be sectioned off to provide a storage bin for oil absorbent material. The storage bin will have a minimum volume of 9,750 cubic inches, which is sufficient capacity for storage of up to 250 lb of clay-based oil absorbent material.

A PVC chute constructed of 4.00" PVC pipe will be provided below the storage bin for dispensing the absorbent material. A stainless steel slide closure will be provided on the PVC chute to control the flow of the material. The PVC chute will be routed through the compartment directly below the storage bin and through the floor of the compartment, terminating below the body. This allows the absorbent material to dispense below the body.

A total quantity of one (1) hopper(s) will be provided RS1, rearward.

STORAGE RACK FOR SPARE SCBA BOTTLES

A storage rack will be provided RS1 to hold twelve (12) spare SCBA bottles. The rack will be built to hold the bottles 2 w x 6 h.

The rack will be constructed of .12 inch aluminum. The inside of the rack will be left unpainted and the outside of the rack will be painted the same color as the compartment it is installed in. The storage slots will be flat and not angled to the rear of the rack. A rubber bumper will be provided on the rear wall of each slot to absorb the shock of the bottle being placed into position. A scuff tape material will be applied to the inside of the slots to reduce scratching the bottles. Protection will be provided on the edge of the rack to prevent damage while loading.

The inside dimension of each bottle slot will be 7.75" square openings.

REAR BUMPER

A bumper will be provided at the rear of the body. The rear bumper will be constructed as an integral part of the rear body substructure with an aluminum treadplate deck mounted to the frame to provide a stepping surface. A 3.00" high kick plate constructed of aluminum treadplate will be provided on the bulkhead surfaces above the bumper.

The bumper will be approximately 13.00" deep and as wide as possible.

WATER TANK

Booster tank will have a capacity of 200 gallons and be constructed of polypropylene plastic by United Plastic Fabricating, Incorporated.

Tank joints and seams will be nitrogen welded inside and out.

Tank will be baffled in accordance with NFPA Bulletin 1901 requirements.

Baffles will have vent openings at both the top and bottom to permit movement of air and water between compartments.

Longitudinal partitions will be constructed of .38" polypropylene plastic and will extend from the bottom of the tank through the top cover to allow for positive welding.

Transverse partitions will extend from 4.00" off the bottom of the tank to the underside of the top cover.

All partitions will interlock and will be welded to the tank bottom and sides.

Tank top will be constructed of .50" polypropylene. It will be recessed .38" and will be welded to the tank sides and the longitudinal partitions.

Tank top will be sufficiently supported to keep it rigid during fast filling conditions.

Construction will include 2.00" polypropylene dowels spaced no more than 30.00" apart and welded to the transverse partitions. Two (2) of the dowels will be drilled and tapped (.50" diameter, 13.00" deep) to accommodate lifting eyes.

A sump will be provided at the bottom of the water tank.

Sump will include a drain plug and the tank outlet.

Tank will have a vent.

Tank will be installed in a fabricated cradle assembly constructed of 3.00" x 3.00" x .25" angle aluminum.

Sufficient crossmembers will be provided to properly support bottom of tank. Crossmembers will be constructed rectangular aluminum tubing.

Tank will "float" in cradle to avoid torsional stress caused by chassis frame flexing. Rubber cushions, .50" thick x 3.00" wide, will be placed on all horizontal surfaces that the tank rests on.

Stops or other provision will be provided to prevent an empty tank from bouncing excessively while moving vehicle.

Mounting system will be approved by the tank manufacturer.

Fill tower will be constructed of .50" polypropylene and will be a minimum of 8.00" wide x 14.00" long.

Fill tower will be furnished with a .25" thick polypropylene screen and a hinged cover.

An overflow pipe, constructed of 4.00" schedule 40 polypropylene, will be installed approximately halfway down the fill tower and extend through the water tank.

WATER/FOAM TANK FUTURE USE PROVISIONS.

The water and foam tank will have provision for a customer/dealer supplied/installed EJ Metals UHP.

The water tank will have an additional 2" sump located towards the front of the water tank. The additional sump outlet will be provided with a removable cap.

The foam tank will have an additional 1" port to be plugged and used for the UHPO installation.

See last page of proposal for EJ Metals Specifications.

REAR WALL, BODY MATERIAL

The rear wall will be smooth and the same material as the body.

TOW EYES

Two (2) rear chrome plated tow eyes will be located at the rear of the apparatus and will be mounted directly to the chassis frame rails. The inner and outer edges of the tow eyes will be radiused.

DOOR GUARD

nine (9) compartment doors will include an L-shaped guard designed to protect the bottom and interior side of the roll-up door from damage when in the retracted position and contain any water spray while the door is being opened. The guard will be fabricated from stainless steel and installed each compartment door.

ROLLUP DOOR PULL STRAP

There will be nine (9) compartment doors provided with Amdor Flex-HD pull straps. The compartment door(s) to be provided with a pull strap will be each compartment door

COMPARTMENT LIGHTING

There will be nine (9) compartments with Amdor, Model AY-9220, white 12 volt DC LED compartment light strips. The lights will be mounted with mechanical fasteners.

There will be two (2) strip lights installed vertically in each compartment opening per the latest NFPA requirements.

The lights will be activated when the battery switch is on and the respective compartment door is opened.

HATCH COMPARTMENT LIGHTING

There will be an LED strip light mounted on the hinged side of the interior in each hatch compartment.

Each light will be wired to an automatic door switch and to the "open door" indicator inside the cab.

STANDARD DEPTH ADJUSTABLE SHELF

An adjustable shelf will be provided. The shelf will be constructed of 0.188" thick aluminum with 2.00" high sides. The shelf will be provided painted spatter gray.

The shelf will be as deep as possible for a standard depth compartment, and as wide as possible for the specified mounting location.

The shelf will be secured within the compartment by means of adjustable threaded fasteners. These fasteners will slide in an extruded aluminum track to provide height adjustment.

The shelf will have a load capacity of 500 lb.

A total of three (3) shelves will be provided two in LS1 - right of the partition one in LS2 - right of the partition.

HALF DEPTH ADJUSTABLE SHELF

An adjustable shelf will be provided for use in a transverse side body compartment. The shelf will be constructed of 0.188" thick aluminum with 2.00" high sides. The shelf will be provided painted spatter gray.

The shelf will be half depth of the transverse compartment and as wide as possible for the specified mounting location.

The shelf will be secured within the compartment by means of adjustable threaded fasteners. These fasteners will slide in an extruded aluminum track to provide height adjustment.

The shelf will have a load capacity of 500 lb.

A total of one (1) shelf will be provided above UHP in B1.

HALF DEPTH SLIDE-OUT UTILITY TRAY

There will be one (1) slide-out tray provided for use in the transverse side body compartment(s).

Each tray will be a utility style tray that is rated for up to 500 lb in the extended position. The bottom of each tray will be constructed of 0.19" thick aluminum while special aluminum extrusions will be utilized for the tray sides, ends and tracks. The corners will be welded. Each tray will be provided painted spatter gray.

Each tray will have 3.00" high sides, will be half the depth of the transverse compartment and will be as wide as possible for the designated mounting location.

Each tray will be supported with a minimum of six (6) ball bearing rollers. Each tray will slide out two thirds (2/3) of its length in one (1) direction only.

Automatic locks will be provided for both the in and out positions. The trip mechanism for the locks will be located at the front of each tray for ease of use with a gloved hand.

The vertical location of each tray within the compartment will be adjustable.

The tray(s) will be located above frame rails in LS4.

TRANSVERSE TWO (2) WAY SLIDE-OUT UTILITY TRAY

There will be one (1) slide-out tray provided for use in the transverse side body compartment(s).

Each tray will be a utility style tray that is rated for up to 500 lb in the extended position. The bottom of each tray will be constructed of 0.19" thick aluminum while special aluminum extrusions will be utilized for the tray sides, ends and tracks. The corners will be welded. Each tray will be provided painted spatter gray.

Each tray will have 3.00" high sides, will span the full depth of the transverse compartment and will be as wide as possible for the designated mounting location.

Each tray will be supported with a minimum of six (6) ball bearing rollers. Each tray will slide out two thirds (2/3) of its length to either side of the apparatus.

Automatic locks will be provided for both the in and out positions. The trip mechanism for the locks will be located at the front of each tray for ease of use with a gloved hand.

The vertical location of each tray within the compartment will be adjustable.

The tray(s) will be located above the frame rails in LS3/RS3.

STANDARD DEPTH SLIDE-OUT/TILT-DOWN TRAY

There will be one (1) slide-out tray provided.

The bottom of each tray will constructed of 0.188" thick aluminum while special aluminum extrusions will be utilized for the tray sides, ends, and tracks. The corners will be welded to form a rigid unit. The tray will be provided painted spatter gray.

The tray will have 3.00" high sides, will be full depth for a standard depth compartment and will be as wide as possible for the specified mounting location.

A spring loaded lock will be provided on each side at the front of the tray. Releasing the locks will allow the tray to slide out approximately two-thirds (2/3) of its length from the stowed position and tip 30 degrees down from horizontal. The tray will be equipped with ball bearing rollers for smooth operation.

Rubber padded stops will be provided for the tray in the extended position.

The capacity rating of the tray will be a minimum of 200 lb in the extended position.

The vertical position of the tray within the compartment will be adjustable.

The tray(s) will be located upper portion of RS1.

HALF DEPTH SLIDE-OUT/TILT-DOWN TRAY

There will be six (6) slide-out trays provided for use in the transverse side body compartment(s).

Each tray will be a slide-out/tilt down tray that is rated for up to 200 lb in the extended position. The bottom of each tray will constructed of 0.188" thick aluminum while special aluminum extrusions will be utilized for

the tray sides, ends, and tracks. The corners will be welded to form a rigid unit. Each tray will be provided painted spatter gray.

The tray will have 3.00" high sides, will be half depth of the transverse compartment and will be as wide as possible for the specified mounting location.

A spring loaded lock will be provided on each side at the front of the tray. Releasing the locks will allow the tray to slide out approximately two-thirds (2/3) of its length from the stowed position and tip 30 degrees down from horizontal. Each tray will be equipped with ball bearing rollers for smooth operation.

Rubber padded stops will be provided for the tray in the extended position.

The vertical position of each tray within the compartment will be adjustable.

The tray(s) will be located one in upper of LS4, two in the upper of LS3, two in the upper of RS4, two in the upper of RS3..

STANDARD DEPTH SLIDE-OUT FLOOR MOUNTED TRAY

There will be two (2) floor mounted slide-out tray(s) with 2.00" sides provided LS3/RS4. Each tray will be rated for up to 500 lb in the extended position. The tray(s) will be constructed of 0.19" aluminum. The finish will be painted spatter gray.

Each tray will be mounted on two (2) under mount, roller bearing type slides. Each slide will be rated at 250 lb with a factor of safety of two (2).

To ensure years of dependable service the slides will be coated with a finish that is tested to withstand a minimum of 1,000 hours of salt spray per ASTM B117.

To ensure years of easy operation, the slide will require no more than a 50 lb force for push-in or pull-out movement when fully loaded after having been subjected to a 40 hour vibration (shaker) test under full load. The vibration drive file will have been generated from accelerometer data collected from a heavy truck chassis driven over rough gravel roads in an unloaded condition. Proof of compliance will be provided upon request.

Automatic locks will be provided for both the "in" and "out" positions. The trip mechanism for the locks will be located at the front of the tray for ease of use with a gloved hand.

TWO (2) WAY UTILITY SLIDE-OUT FLOOR MOUNTED TRAY

There will be one (1) floor mounted utility slide-out tray(s) provided forward section of RS3/RS4. Each tray will be rated for up to 500lb in the extended position. The tray(s) will be constructed of .19" thick aluminum for the tray bottom and special aluminum extrusions for the tray sides, ends and tracks. The corners will be welded. The finish will be painted spatter gray.

The tray will be 3.00" high x full depth of the transverse compartment x as wide as possible for the compartment.

The tray will be supported with a minimum of six (6) ball bearing rollers. The tray will slide out two thirds (2/3) of its length to either side of the apparatus.

Automatic locks will be provided for both the "in" and "out" positions. The trip mechanism for the locks will be located at the front of the tray for ease of use with a gloved hand.

DRAWER ASSEMBLY

A slide-out drawer assembly will be installed floor of RS3.

The clear dimensions of the first drawer starting at the top will be 3.00" with a face plate that is 4.00" high x 21.00" deep. The clear dimensions of the second drawer will be 3.75" with a face plate that is 4.00" high x 21.00" deep. The clear dimensions of the third drawer will be 5.75" with a face plate that is 6.00" high x 21.00" deep. Each drawer will be the same width and not exceed 48.00".

The drawers will have a capacity of 250 pounds.

The drawers will be mounted in a cabinet housing constructed of light gray powder coated aluminum with anodized aluminum frames. The housing will be 24.00" deep, and completely enclose the drawer.

A full-length aluminum extruded rail will be provided at the top edge of each drawer. This rail will act as the latching mechanism as well as the handle for each drawer.

There will be a total of one (1) provided.

STANDARD DEPTH SLIDE-OUT TOOLBOARD

A slide-out aluminum toolboard will be provided. The toolboard will be constructed of 0.19" thick aluminum that is painted spatter gray to match compartment interior. The toolboard will be provided with 0.20" diameter holes in a pegboard pattern with 1.00" centers between holes. A 1.00" x 1.00" aluminum tube frame will be welded to the edge of the pegboard. A handhold cutout will be provided on the outboard edge of the toolboard.

The toolboard will be as deep as possible for a standard depth compartment, and as tall as possible for the specified mounting location.

The toolboard will be mounted on an under mount, roller bearing type slide that is rated for 250 lb with a factor of safety of two (2).

To ensure years of dependable service the slide will be coated with a finish that is tested to withstand a minimum of 1,000 hours of salt spray per ASTM B117.

To ensure years of easy operation, the slide will require no more than a 50 lb force for push-in or pull-out movement when fully loaded after having been subjected to a 40 hour vibration (shaker) test under full load. The vibration drive file will have been generated from accelerometer data collected from a heavy truck chassis driven over rough gravel roads in an unloaded condition. Proof of compliance will be provided upon request.

The slide will be mounted to a shelf type track to allow side adjustment of the tool board.

A positive lock will be provided to allow the toolboard to be locked in both the stowed and extended positions.

A total of One (1) standard depth slide-out toolboard(s) will be provided. The toolboard(s) will be located LS1, forward of the vertical partition.

TOOLBOARD ADDED TO TRANSVERSE SLIDE-OUT TRAY

An aluminum toolboard will be provided and mounted in a two (2)-way slide-out tray that spans the full depth of a transverse compartment (tray not included). The toolboard will be constructed of 0.19" thick aluminum that is painted spatter gray to match compartment interior. The toolboard will be provided with 0.20" diameter holes in a pegboard pattern with 1.00" centers between holes. A 1.00" x 1.00" aluminum tube frame will be welded to the edge of the pegboard.

The toolboard will span the full depth of the slide-out tray and will be as tall as possible for the specified mounting location.

The toolboard will be mounted on aluminum tracks to allow for side to side adjustment within the tray.

The total capacity rating of the toolboard will vary depending on the tray it is mounted in (capacity rating for the toolboard will match the capacity rating of the tray it is mounted in).

A total of One (1) toolboard(s) will be provided and mounted in the slide-out tray(s) located on the transverse tray in forward portion of RS2/LS2.

VERTICAL COMPARTMENT PARTITION

Three (3) partitions will be bolted in LS1, LS2 and RS1. Each partition will be the full vertical height of the compartment.

RUB RAIL

Bottom edge of the side compartments will be trimmed with a bright aluminum extruded rub rail.

Trim will be 2.12" high with 1.38" flanges turned outward for rigidity.

The rub rails will not be an integral part of the body construction, which allows replacement in the event of damage.

BODY FENDER CROWNS

Stainless steel fender crowns will be provided around the rear wheel openings.

A rubber welting will be installed between the body and the crown to seal the seam and restrict moisture from entering.

A dielectric barrier will be provided between the fender crown fasteners (screws) and the fender sheet metal to prevent corrosion.

HARD SUCTION HOSE

Hard suction hose will not be required.

EXTINGUISHER STORAGE

A quantity of one (1) extinguisher compartments will be provided on the right side rearward of the rear wheels. The extinguisher compartment will be in the form of an 8.50" square tube and of adequate depth to accommodate different size extinguishers. A brushed stainless steel door with a Southco raised trigger

C2 chrome lever latch will be provided to contain the air bottle. A dielectric barrier will be provided between the door hinge, hinge fasteners, and the body sheet metal.

Inside the compartment, black rubber matting will be provided. There will also be a drain hole for each compartment.

STOKES BASKET STORAGE

A bolt-in storage rack will be located in the LS2 transverse compartment, mounted horizontally. This storage rack will accommodate a stokes basket 88.00" long x 26.00" wide x 9.00" high, and will be installed upper front corner. Access will be provided from either side. A strap will be provided to prevent side to side movement of the stokes basket. The storage rack will match the compartment interior.

LITTLE GIANT LADDER STORAGE

A stainless steel mounting trough will be provided for a Little Giant ladder in the LS2 transverse compartment, mounted horizontally. The ladder will be located upper rear, above water tank. Access will be provided from either side. There will be provisions to prevent the ladder from sliding side to side in its trough. Dura-surf runners will be provided. The ladder will be a Little Giant Classic Model 22 - 10103.

REAR PULLOUT STEP

A pull-out and down (camper style) step will be installed below the tailboard step. The step surface when pulled out will lower 5.00" and will extend out from its nested position under the tailboard reducing the stepping distance from the ground to the top of the tailboard step.

This step will be 8.00" deep and designed to fit in the mounting location. The stepping surface will be bright aluminum treadplate. Slotted side support pieces of the pull-out portion of step will be made out of .25" steel plate.

The step will be mounted center below the rear tailboard.

INLET BLEEDER VALVE

A 0.75" bleeder valve will be provided for each side gated inlet.

The valves will be located behind the panel with a "T" swing style handle control extended to the outside of the panel.

The handles will be chrome plated and provide a visual indication of valve position. The swing handle will provide an ergonomic position for operating the valve without twisting the wrist and provides excellent leverage.

The water discharged by the bleeders will be routed below the chassis frame rails.

TANK REFILL

A 1.50" combination tank refill and pump re-circulation line will be provided, using a quarter-turn full flow ball valve controlled from the pump operator's panel.

DISCHARGE CAPS/ INLET PLUGS

Chrome plated, rocker lug, caps with chain will be furnished for all discharge outlets 1.00" thru 3.00" in size, besides the pre-connected hose outlets.

Chrome plated, rocker lug, plugs with chain will be furnished for all auxiliary inlets 1.00" thru 3.00" in size.

The caps and plugs will incorporate a thread design to automatically relieve stored pressure in the line when disconnected.

OUTLET BLEEDER VALVE

A 0.75" bleeder valve will be provided for each outlet 1.50" or larger. Automatic drain valves are acceptable with some outlets if deemed appropriate with the application.

The valves will be located behind the panel with a T swing style handle control extended to the outside of the side pump panel.

The handles will be chrome plated and provide a visual indication of valve position.

The T swing handle will provide an ergonomic position for operating the valve without twisting the wrist and provides excellent leverage.

Bleeders will be located at the bottom of the pump panel. They will be properly labeled identifying the discharge they are plumbed in to.

The water discharged by the bleeders will be routed below the chassis frame rails.

WATER LEVEL GAUGE

There will be an electronic water level gauge provided on the operator's panel that registers water level by means of five (5) colored LED lights. The lights will be durable, ultra-bright five (5) LED design viewable through 180 degrees. The water level indicators will be as follows:

- 100 percent = Green
- 75 percent = Yellow
- 50 percent = Yellow
- 25 percent = Yellow
- Refill = Red

The light will flash when the level drops below the given level indicator to provide an eighth of a tank indication. To further alert the pump operator, the lights will flash sequentially when the water tank is empty.

The level measurement will be based on the sensing of head pressure of the fluid in the tank.

The display will be constructed of a solid plastic material with a chrome plated die cast bezel to reduce vibrations that can cause broken wires and loose electronic components. The encapsulated design will provide complete protection from water and environmental elements. An industrial pressure transducer will be mounted to the outside of the tank. The field calibratable display measures head pressure to accurately show the tank level.

AIR HORN SYSTEM

Two (2) Hadley®, eTone, chrome air horns will be recessed in the front bumper. The air horn system will be piped to the air brake system wet tank utilizing 0.38" tubing. A pressure protection valve will be installed to prevent the loss of air in the brake system.

Air Horn Location

The air horns will be located on each side of the bumper, towards the outside.

Air Horn Control

The air horn(s) will be activated by the following:

- Steering wheel horn ring with electric/air horn selector switch

ELECTRONIC SIREN

A Whelen®, Model 295SLSA1, electronic siren with noise canceling microphone will be provided.

This siren to be active when the battery switch is on and that emergency master switch is on.

Electronic siren head will be recessed in the driver side center switch panel.

ELECTRONIC SIREN CONTROL

The electronic siren will be activated by the following:

- Controlled by siren head only
- The steering wheel horn ring with siren/horn selector switch.
- The control is not interlocked.

SPEAKER

There will be one (1) Whelen®, Model SA315P, black nylon composite, 100-watt, speaker with through bumper mounting brackets and polished stainless steel grille provided. The speaker will be connected to the siren amplifier.

The speaker will be recessed in the left side of the front bumper, just outside of the frame rail.

AUXILIARY MECHANICAL SIREN

There will be a Federal Signal Model Q2B mechanical siren furnished and installed in the front of the apparatus.

The Q2B will be chrome finish.

The siren will have a 2-gauge cable connected to a power solenoid that is connected by a 2-gauge cable ran battery direct to the primary chassis batteries and will be labeled Q2B+ at the battery. The power solenoid will only be enabled when the emergency master switch is on.

The siren will have a 2-gauge ground wire connected to the chassis battery stud. The cable will be labeled Q2B- at the battery.

The mechanical siren will be recessed in the front bumper in the center. The siren will be properly supported using the bumper framework.

MECHANICAL SIREN CONTROL

The mechanical siren will be activated by the following:

- Steering wheel horn ring with horn/siren selector switch.
- Left side foot switch.
- Left side momentary switch.
- Right side momentary switch.

A momentary chrome push button switch will be included in the left side dash panel to activate the siren brake.

A momentary chrome push button switch will be included in the right side dash panel to activate the siren brake.

FRONT ZONE UPPER WARNING LIGHTS

There will be one (1) 72.00" Whelen Freedom IV LED lightbar mounted on the cab roof.

The lightbar will include the following:

- One (1) red flashing LED module in the driver's side end position.
- One (1) red flashing LED module in the driver's side front corner position.
- One (1) red flashing LED module in the driver's side first front position.
- One (1) red flashing LED module in the driver's side second front position.
- One (1) red flashing LED module in the driver's side third front position.
- One (1) red flashing LED module in the driver's side fourth front position.
- One (1) white flashing LED module in the driver's side fifth front position.
- Open in the driver's side sixth front position.
- Open in the passenger's side sixth front position.
- One (1) white flashing LED module in the passenger's side fifth front position.
- One (1) red flashing LED module in the passenger's side fourth front position.
- One (1) red flashing LED module in the passenger's side third front position.
- One (1) red flashing LED module in the passenger's side second front position.
- One (1) red flashing LED module in the passenger's side first front position.
- One (1) red flashing LED module in the passenger's side front corner position.
- One (1) red flashing LED module in the passenger's side end position.

There will be clear lenses included on the lightbar.

There will be a switch in the cab on the switch panel to control this lightbar.

The white LEDs will be disabled when the parking brake is applied.

The eight (8) red flashing LED modules in the front positions may be load managed when the parking brake is applied.

FRONT ZONE LOWER LIGHTS

There will be four (4) Whelen®, flashing LED warning lights installed on the cab face above the headlights, in a common wrap around bezel with the directional lights per the following:

- One (1) Model 6RB**, 4.18" high x 6.54" wide x 3.43" deep LED modules that flash in a rotating pattern installed in the left side front corner position. The driver's side front outside corner warning light to include red LEDs.
- The left directional light will be installed in the left side center position
- One (1) Model M6**, 4.31" high x 6.75" wide x 1.37" deep flashing LED module in the left side inside position. The driver's side front inside warning light to include red LEDs.
- One (1) Model M6**, 4.31" high x 6.75" wide x 1.37" deep flashing LED module in the left side inside position. The passenger's side front inside warning light to include red LEDs.
- The right directional light will be installed in the left side center position.
- One (1) Model 6RB**, 4.18" high x 6.54" wide x 3.43" deep LED modules that flash in a rotating pattern installed in the left side front corner position. The passenger's side front outside corner warning light to include red LEDs.
- The warning light lens color(s) to be clear.

The lights will be controlled per the following:

- a switch in the cab on the switch panel will control the lights
- white LEDs will be deactivated when the parking brake is applied
- amber warning LEDs will be deactivated when the parking brake is released
- amber, blue or red LEDs in the corner positions may be load managed when the parking brake is applied

FRONT WARNING FLASH PATTERN ADJUSTMENT

The flash pattern of the Whelen M6** lights located in the front zone lower inside positions, will be adjusted to the SingleFlash 75, number 31 pattern.

HEADLIGHT FLASHER

The high beam headlights will flash alternately between the left and right side.

There will be a switch installed in the cab on the switch panel to control the high beam flash. This switch will be live when the battery switch and the emergency master switches are on.

The flashing will automatically cancel when the hi-beam headlight switch is activated or when the parking brake is set.

SIDE ZONE LOWER LIGHTING

There will be six (6) Whelen®, Model M6*C, LED flashing warning lights with Model 6EFLANGE, chrome flanges located in the following positions:

- Two (2) lights, one (1) each side on the bumper extension

- The side front lights to be red
- Two (2) lights, one (1) each side of cab rearward of crew cab doors
 - The side middle lights to be red
- Two (2) lights, one (1) each side above rear wheels
 - The side rear lights to be red

All six (6) lights will include a clear lens.

There will be a switch located in the cab on the switch panel to control the lights.

SIDE ZONE LOWER WARNING LIGHT FLASH PATTERN ADJUSTMENT

The flash pattern of the six (6) Whelen M6** light(s) located each side will be adjusted to SingleFlash 75 pattern number 31.

SIDE WARNING LIGHTS

There will be two (2) Whelen®, Model M9**, 6.50" high x 10.37" wide x 1.37" deep flashing LED warning light(s) with chrome trim provided, Front upper body, one each side.

The light(s) to include red LEDs. The warning light lens color(s) to be clear.

These lights will be activated with the side warning switch.

White LEDs will be deactivated when the parking brake is applied.

Amber, blue, green or red LEDs may be load managed when the parking brake is applied.

REAR ZONE LOWER LIGHTING

There will be two (2) Whelen® Rota-Beam™, Model 6RB**, 12 volt flashing LED lights with Model 6EFLANGE, chrome flanges located at the rear of the apparatus.

The color of the lights will be red.

The color of the lenses will be clear.

There will be a switch provided inside the cab, on the switch panel for activation.

REAR BODY WARNING LIGHT FLASH PATTERN ADJUSTMENT

The flash pattern of the two (2) Whelen® M9** light(s) located at the rear of the apparatus, Rear upper lights will have the "X" flash pattern.

REAR/SIDE UPPER ZONE WARNING LIGHTS

There will be Whelen® LED lights provided at the following locations:

There will be two (2) Whelen, Model M9#, LED lights provided at the rear upper bulkhead, facing the rear of the truck:

- The driver's side rear light to be red to the outside and amber to the inside with a clear lens.
- The passenger's side rear light to be red to the outside and amber to the inside with a clear lens.

There will be two (2) Whelen, Model M9**, LED lights provided at the rear side upper corners of the side sheet facing the side of the truck:

- The side rear upper light(s) on the driver's side to be red.
- The side rear upper light(s) on the passenger's side to be red.

The color of the side facing LED light lenses will be warning light lens color(s) to be clear.

There will be a switch located in the cab on the switch panel to control the lights.

TRAFFIC DIRECTING LIGHT

There will be one (1) Whelen®, Model TAL65, 36.00" long x 2.87" high x 2.25" deep, amber LED traffic directing light installed at the rear of the apparatus.

The Whelen, Model TACTL5, control head will be included with this installation.

The controller will be energized when the battery switch is on.

The auxiliary flash not activated.

This traffic directing light will be recessed within a treadplate step at the rear of the apparatus.

The traffic directing light control head will be located within a heavy duty swivel bracket centered between the driver and passenger.

This swivel bracket will enable the driver access as well as the passenger.

REFRIGERATOR

There will be one (1) Norcold, Model DE105, AC/DC 3.3 cubic foot refrigerator installed in the apparatus RS2, rear of the compartment.

There will be a 15 amp, 120 volt AC straight blade receptacle, powered from the shoreline, installed near this refrigerator to supply the AC power.

There will be a 10 amp 12 volt DC Deutsch plug and connector, powered with ignition, installed near this refrigerator to supply the DC power.

ELECTRICAL SYSTEM GENERAL DESIGN FOR ALTERNATING CURRENT

The following guidelines will apply to the 120/240 VAC system installation:

General

Any fixed line voltage power source producing alternating current (ac) line voltage will produce electric power at 60 cycles plus or minus 3 cycles.

Except where superseded by the requirements of NFPA 1901, all components, equipment and installation procedures will conform to NFPA 70, National Electrical Code (herein referred to as the NEC).

Line voltage electrical system equipment and materials included on the apparatus will be listed and installed in accordance with the manufacturer's instructions. All products will be used only in the manner for which they have been listed.

Grounding

Grounding will be in accordance with Section 250-6 "Portable and Vehicle Mounted Generators" of the NEC. Ungrounded systems will not be used. Only stranded or braided copper conductors will be used for grounding and bonding.

An equipment grounding means will be provided in accordance with Section 250-91 (Grounding Conductor Material) of the NEC.

The grounded current carrying conductor (neutral) will be insulated from the equipment grounding conductors and from the equipment enclosures and other grounded parts. The neutral conductor will be colored white or gray in accordance with Section 200-6 (Means of Identifying Grounding Conductors) of the NEC.

In addition to the bonding required for the low voltage return current, each body and driving or crew compartment enclosure will be bonded to the vehicle frame by a copper conductor. This conductor will have a minimum amperage rating of 115 percent of the nameplate current rating of the power source specification label as defined in Section 310-15 (amp capacities) of the NEC. A single conductor properly sized to meet the low voltage and line voltage requirements will be permitted to be used.

All power source system mechanical and electrical components will be sized to support the continuous duty nameplate rating of the power source.

Operation

Instructions that provide the operator with the essential power source operating instructions, including the power-up and power-down sequence, will be permanently attached to the apparatus at any point where such operations can take place.

Provisions will be made for quickly and easily placing the power source into operation. The control will be marked to indicate when it is correctly positioned for power source operation. Any control device used in the drive train will be equipped with a means to prevent the unintentional movement of the control device from its set position.

A power source specification label will be permanently attached to the apparatus near the operator's control station. The label will provide the operator with the following information:

- Rated voltage(s) and type (ac or dc)
- Phase
- Rated frequency
- Rated amperage
- Continuous rated watts
- Power source engine speed

Direct drive (PTO) and portable generator installations will comply with Article 445 (Generators) of the NEC.

Overcurrent protection

The conductors used in the power supply assembly between the output terminals of the power source and the main over current protection device will not exceed 144.00" (3658 mm) in length.

For fixed power supplies, all conductors in the power supply assembly will be type THHW, THW, or use stranded conductors enclosed in nonmetallic liquid tight flexible conduit rated for a minimum of 194 degree Fahrenheit (90 degrees Celsius).

For portable power supplies, conductors located between the power source and the line side of the main overcurrent protection device will be type SO or type SEO with suffix WA flexible cord rated for 600-volts at 194 degrees Fahrenheit (90 degrees Celsius).

Wiring Methods

Fixed wiring systems will be limited to the following:

- Metallic or nonmetallic liquid tight flexible conduit rated at not less than 194 degrees Fahrenheit (90 degrees Celsius)
- or
- Type SO or Type SEO cord with a WA suffix, rated at 600 volts at not less than 194 degrees Fahrenheit (90 degrees Celsius)

Electrical cord or conduit will not be attached to chassis suspension components, water or fuel lines, air or air brake lines, fire pump piping, hydraulic lines, exhaust system components, or low voltage wiring. In addition the wiring will be run as follows.

- Separated by a minimum of 12.00" (305 mm), or properly shielded, from exhaust piping
- Separated from fuel lines by a minimum of 6.00" (152 mm) distance

Electrical cord or conduit will be supported within 6.00" (152 mm) of any junction box and at a minimum of every 24.00" (610 mm) of continuous run. Supports will be made of nonmetallic materials or corrosion protected metal. All supports will be of a design that does not cut or abrade the conduit or cable and will be mechanically fastened to the vehicle.

Wiring Identification

All line voltage conductors located in the main panel board will be individually and permanently identified. The identification will reference the wiring schematic or indicate the final termination point. When prewiring for future power sources or devices, the unterminated ends will be labeled showing function and wire size.

Wet Locations

All wet location receptacle outlets and inlet devices, including those on hardwired remote power distribution boxes, will be of the grounding type provided with a wet location cover and installed in accordance with Section 210-7 "Receptacles and Cord Connections" of the NEC.

All receptacles located in a wet location will be not less than 24.00" (610 mm) from the ground. Receptacles on off-road vehicles will be a minimum of 30.00" (762 mm) from the ground.

The face of any wet location receptacle will be installed in a plane from vertical to not more than 45 degrees off vertical. No receptacle will be installed in a face up position.

Dry Locations

All receptacles located in a dry location will be of the grounding type. Receptacles will be not less than 30.00" (762 mm) above the interior floor height.

All receptacles will be marked with the type of line voltage (120-volts or 240-volts) and the current rating in amps. If the receptacles are direct current, or other than single phase, they will be so marked.

Listing

All receptacles and electrical inlet devices will be listed to UL 498, Standard for Safety Attachment Plugs and Receptacles, or other appropriate performance standards. Receptacles used for direct current voltages will be rated for the appropriate service.

Electrical System Testing

The wiring and associated equipment will be tested by the apparatus manufacturer or the installer of the line voltage system.

The wiring and permanently connected devices and equipment will be subjected to a dielectric voltage withstand test of 900-volts for one (1) minute. The test will be conducted between live parts and the neutral conductor, and between live parts and the vehicle frame with any switches in the circuit(s) closed. This test will be conducted after all body work has been completed.

Electrical polarity verification will be made of all permanently wired equipment and receptacles to determine that connections have been properly made.

Operational Test per Current NFPA 1901 Standard

The apparatus manufacturer will perform the following operation test and ensure that the power source and any devices that are attached to the line voltage electrical system are properly connected and in working order. The test will be witnessed and the results certified by an independent third-party certification organization.

The prime mover will be started from a cold start condition and the line voltage electrical system loaded to 100 percent of the nameplate rating.

The power source will be operated at 100 percent of its nameplate voltage for a minimum of two (2) hours unless the system meets category certification as defined in the current NFPA 1901 standard.

Where the line voltage power is derived from the vehicle's low voltage system, the minimum continuous electrical load as defined in the current NFPA 1901 standard will be applied to the low voltage electrical system during the operational test.

GENERATOR

There will be a Harrison Model MCR 12kW single phase 60 hertz hydraulic generator installed on the apparatus. This generator will have a continuous duty rating of 12,000 watts @ 240 volts AC when the chassis engine is at idle.

There will be an electrical instrument gauge panel provided for the operator to monitor and control all electrical operations and output.

The generator will be driven by a transmission power take off unit, through a hydraulic pump and motor.

The hydraulic engagement supply will be operational at any time (no interlocks).

An electric/hydraulic valve will supply hydraulic fluid to the clutch engagement unit provided on the chassis PTO drive.

Generator Instruments and Controls

To properly monitor the generator performance a digital meter panel will be furnished and mounted next to the circuit breaker panel.

The meter will indicate the following items:

- Voltage
- Amperage for both lines
- Frequency
- Generator run hours
- Over current indication
- Over temperature indication
- "Power On" indication
- Two (2) fuse holders with two (2) amp fuses (for indicator light protection)

The meter and indicators will be installed near eye level in the compartment. Instruments will be flush mounted in an appropriate sized weatherproof electrical enclosure. All instruments used will be accurate within +/- two (2) percent.

GENERATOR LOCATION

The generator will be installed inside the recessed area on the roof of the body. Modifications such as additional support structure and/or knockouts in the adjacent body wall(s) will be provided as necessary to support the weight and provide airflow for the generator.

GENERATOR START

There will be a switch provided on the cab instrument panel to engage the generator.

CIRCUIT BREAKER PANEL

The circuit breaker panel will be located high on the right side wall of compartment RS1.

LIGHT TOWER

There will be one (1) Will-Burt Night Scan® Powerlite, Model NS4.5-1200, light tower provided. The telescoping mast will have a protective sleeve that fits over the mast.

There will be two (2) Night Scan Sirion, 600 watt, 120/240 volt AC, LED light heads included on this tower.

The painted parts of the light tower and the light heads to be white.

The tower will include no AC detector.

This tower will be connected to the Do Not Move Truck Indicator in the cab.

The lights included on this tower will be powered through the AC breaker box.

Light Tower Location

The light tower will be installed on the roof of the rescue body. The exact location on the roof will be recess with generator.

Light Tower Controller

There will be one (1) wired handheld controller included.

Light Tower Controller Location

The light tower controller will be installed near the circuit breaker panel.

ELECTRIC CORD REEL

Furnished with the AC electrical system will be a Hannay, Series 1600, cord reel wired for a four (4) conductor cord. The reel will be provided with a 12-volt electric rewind switch that is guarded to prevent accidental operation and labeled for its intended use. The push button switch will be protected with a fuse and installed at a height not to exceed 72.00" above the operators standing position.

The exterior finish of the reel(s) will be painted #269 gray from the reel manufacturer.

A captive roller assembly to be provided to aid in the payout and loading of the reel. A ball stop will be provided to prevent the cord from being wound on the reel.

A label will be provided in a readily visible location adjacent to the reel. The label will indicate current rating, current type, phase, voltage and total cable length.

A total of two (2) cord reels will be provided one (1) in compartment RS4, forward from the ceiling and one (1) in compartment LS4 hanging from the ceiling in the rear position.

CORD

Provided for electric distribution will be two (2) lengths, one (1) for each reel, of 200 feet of yellow 10/4 electrical cord. A Hubbell L14-20, 20 amp, 120/240 volt, twist lock connector body will be installed on the end of the cord.

PORTABLE JUNCTION BOX

There will be two (2) Akron EJBX electric junction box(es) provided.

There will be a cable strain relief and a 1.00' pigtail with wire mesh grip and apparatus manufacture installed NEMA L14-20, 20 amp, 120/240 volt twist lock plug provided for each box.

Each box will be provided with the following:

- four (4) 20 amp 120 volt AC duplex straight blade receptacles with flip up covers
- a 120 volt AC light inside the box

There will be two (2) receptacles powered by line 1 and the other receptacles powered by line 2 with a common neutral.

120 VOLT RECEPTACLE

There will be six (6), 15/20 amp 120 volt AC three (3) wire straight blade duplex receptacle(s) with interior stainless steel wall plate(s), installed TBD. The NEMA configuration for the receptacle(s) will be 5-20R.

The receptacle(s) will be powered from the onboard generator to shoreline power transfer switch.

There will be a label installed near the receptacle(s) that state the following:

- Line Voltage
- Current Rating (amps)
- Phase
- Frequency

120 VOLT RECEPTACLE

There will be nine (9), 15/20 amp 120 volt AC three (3) wire straight blade duplex receptacle(s) with interior stainless steel wall plate(s), installed one in each compartment, locations TBD. The NEMA configuration for the receptacle(s) will be 5-20R.

The receptacle(s) will be powered from the onboard generator to shoreline power transfer switch.

There will be a label installed near the receptacle(s) that state the following:

- Line Voltage
- Current Rating (amps)
- Phase
- Frequency

CASCADE STORAGE VESSELS

The breathing air cascade system will meet NFPA requirements for a compressed air system that is used to provide air for human respiration, using self-contained breathing apparatus. It will be capable of operating in a range of ambient temperatures between 0-125 degrees Fahrenheit with a relative humidity up to and including 100 percent.

All flexible hose will be installed without excessive bending and in a manner to prevent cuts, abrasions, and excessive temperatures. In addition, the hose will be installed to allow its replacement without requiring removal of major vehicle components or vehicle-mounted equipment.

The breathing air system will be easy to maintain with an arrangement of components that allows for easy inspections, servicing, calibration, and adjustments without removing the components.

All major components in the breathing air system, including accessories, will be clearly identified and labeled. Appropriate caution and warning labels will be affixed where necessary to allow the equipment to be safely maintained and operated.

There will be two (2) complete manuals included. The manuals will document the operation and maintenance of the system.

The complete breathing air system will be tested for leaks and to ensure functionality prior to its delivery.

The cascade system storage cylinders will consist of the following major components:

- Four (4) Storage Vessels
- Four (4) Storage Vessel Shutoff Valves
- Four (4) Storage Vessel Relief Devices
- One (1) Storage Vessel Mounting Rack
- Four (4) Inlet/outlet Connections

The cascade storage vessels will each be rated for 6,000 psi. Each vessel will hold 510.50 cubic feet of air at rated pressure. The total air volume for this system will be 2,042 cubic feet. These vessels will be designed and constructed to conform to the requirements of the United Nations (UN) on the transportation of dangerous goods. Each vessel will be equipped with a UN shutoff valve and a built in, burst-disc pressure relief device.

The storage vessels will be installed in compartment 2 in each of the forward hatch compartments.

BREATHING AIR SYSTEM GENERAL DESIGN

The air system will meet the requirements for a compressed air system used to provide air suitable for human respiration with self-contained breathing apparatus.

If a compressor or booster system is supplied it will be capable of operating in a range of ambient temperature between 32 degree Fahrenheit and 100 degrees Fahrenheit (0 Celsius and 43 degrees Celsius).

If a cascade system is supplied it will be capable of operating in a range of ambient temperatures between 0 degrees Fahrenheit and 125 degrees Fahrenheit (-18 degrees Celsius and 52 degrees Celsius)

The air system will be capable of withstanding storage temperatures between 0 degrees Fahrenheit and 125 degrees Fahrenheit (-18 degrees Celsius and 52 degrees Celsius) without damage.

The air system in general will be capable of being stored and operated in environments with relative humidity up to and including 100 percent.

All flexible hose will be installed in such a manner as to prevent cuts, abrasions, exposure to damage, excessive temperatures, damage from loose equipment and excessive bending. The hose will be installed in a manner that permits removal of hose without removal of major vehicle components or vehicle mounted equipment.

The air system design will provide for maintainability by ensuring that the arrangement of the components will allow easy inspections, servicing, calibration and adjustment without removing the components.

All major components in the air system, including accessories, will be clearly identified and labeled. Appropriate caution and warning labels will be affixed where necessary to allow the equipment to be safely operated and adjusted.

Two complete manuals will be provided that document the operation and maintenance of the system.

If a compressor is supplied, the temperature of the compressed air will not exceed 25 degrees Fahrenheit (14 degrees Celsius) above ambient temperatures when measured at the discharge nozzle of the compressor after cooler. Audible and visual alarms, automatic shutdown and prevention of automatic restart will occur if any of the following conditions exist: low oil level or low oil pressure, high discharge air temperature, more than 24 ppm of moisture in the purification system outlet and if the carbon monoxide level exceeds 10 ppm.

The purification system will be capable of producing the required air quality for a minimum of 50 hours with inlet at 80 degrees Fahrenheit (27 degrees Celsius) at saturation.

Low pressure breathing air supply from reels or in remote locations will be provided with a low air pressure audible alarm warning device when the air volume is at or below 20 percent. This will include upper and lower control stations on aerial devices.

The complete breathing air system will be tested prior to delivery.

The fire department will receive training with this breathing air system. A demonstration of the operation of the breathing air system will be provided at the factory.

This demonstration will include the following:

- Review of all safety items in the system
- Review of all component manuals
- A walk around review of all the components that make up the system
- A hands-on system demonstration of each functional item in the system, during which proper use of the system components will be described
- A demonstration of how to properly shutdown and maintain the system

BREATHING AIR SYSTEM CONTROL PANEL

A control panel will be provided for the breathing air system, attached to the side of a SpaceSaver™ fill enclosure. The control panel will be made of 0.18" thick aluminum and will be provided with a painted, glare-resistant finish. The control panel will measure 9.75" x 42.75", and will be x 20.50" deep. The orientation of the control panel will match the orientation of the SpaceSaver fill enclosure it is attached to. If the control panel is attached to a vertical fill enclosure, the control panel will be orientated vertically. If the control panel is attached to a horizontal fill enclosure, the control panel will be orientated horizontally.

A painted aluminum box will house and protect the components behind the control panel. The panel will pivot on its mounting fasteners, to allow for maintenance of components behind the panel.

All gauges will be at least 2.50" in diameter, and they will be filled with glycerin. All valves will be a slow-operating screw type that will require minimal force, from three-fingered operation. A rope light will be fastened to the full vertical height of the control panel, to provide uniform illumination to all controls on the panel.

All tubing that is behind the panel will be stainless steel, with the exception of the supply hoses from the air storage and the hose that runs to the SCBA fill. These tubes and hoses will have a 4:1 safety factor.

A refill fitting will be supplied on the face of the air control panel, to allow the refilling of the system storage cylinders from an external source. With 6000 psi storage cylinders, a male CGA-677 fitting will be provided, and with 4500 and 5000 psi storage cylinders, a male CGA-347 fitting will be provided.

A breathing air supplied gauge will be provided on the panel.

There will be four (4) storage banks, each consisting of one (1) valve and one (1) gauge, provided on the control panel. If there are more cylinders than banks, two (2) cylinders will be connected to the first storage bank (or banks) as needed.

The system will be regulated with one (1) high pressure regulated circuit and one (1) low pressure, high flow rate regulated circuit.

Air Control Panel Regulators	
High Pressure Regulators	Each high pressure regulated circuit provided on the panel will include the following components: <ul style="list-style-type: none"> • One (1) 0-6000 psi regulator set for 4500 psi working pressure • One (1) regulated pressure gauge.
Low Pressure Regulators	Each low pressure regulated circuit will be a low pressure, high flow rate circuit that consists of the following components: <ul style="list-style-type: none"> • One (1) 0-400 psi regulator set for 300 psi working pressure • One (1) regulated pressure gauge.

A pressure relief valve will be provided. The pressure relief valve will be preset, at no more than ten percent above the working pressure. A warning label that specifies the appropriate pressure regulator settings and the pressure relief setting will be placed adjacent to the regulator.

An SCBA fill valve to control the air flowing into the SCBA cylinders will be supplied on the air control panel. An SCBA fill gauge will be supplied on the air control panel, to view the pressure in the SCBA cylinders during filling. This valve and gauge will be used to manually vary the SCBA fill rates in accordance with the SCBA manufacturer's recommendations.

The panel will be configured without a booster pump.

The panel will be configured with a compressor connection with priority fill which prioritizes filling the SCBA connection before filling the cascade storage cylinders.

FILL ENCLOSURE

The fill enclosure will be designed for mobile applications to fill SCBA or SCUBA cylinders. The enclosure will totally enclose the cylinder during the fill process. The enclosure will contain the cylinder and all fragments in the event of rupture during the fill process.

Construction will be of 0.18" plate steel. The fill enclosure door will be constructed of 0.25" stainless steel. The cylinder holders will be lined with a material to protect each cylinder from abrasion.

The fill enclosure will be designed to allow the filling of two (2) SCBA or SCUBA bottles either individually or simultaneously. Access to the enclosure for loading the cylinder will be through a manually operated slide up door and tilt out bottle holder. The door will be provided with a device to assist opening and provide smooth operation.

The loading position from the compartment floor to the center of the bottle valve will be 14.60" in the lower holder and 23.50" in the upper holder. This will place the lower loading position at waist height on average height vehicles.

The maximum length of either the SCBA or SCUBA bottle with the valve and fill adapter will be 29.00" in the lower holder and 27.00" in the upper holder.

Automatic safety interlocks will prevent cylinder filling until the door is completely closed. Two (2) fill hoses with SCBA or SCUBA adapters will be provided within the enclosure.

If a cylinder should rupture, rapidly expanding air will be vented through an opening in the bottom of the enclosure and out through the compartment floor. A break away rubber seal will be provided to seal the compartment floor.

To ensure the integrity of the fill enclosure, bidders will provide on request, an independent certification that a production unit has successfully withstood an SCBA cylinder explosion as per NFPA.

The fill enclosure will be a SpaceSaver model 100A. The dimensions of the fill enclosure will be approximately 42.56" high x 13.12" wide x 23.25" deep with a weight of approximately 400 lb.

A total of one (1) will be provided RS1, forward.

LOOSE EQUIPMENT

The following equipment will be furnished with the completed unit:

- One (1) bag of chrome, stainless steel, or cadmium plated screws, nuts, bolts and washers, as used in the construction of the unit.

NFPA REQUIRED LOOSE EQUIPMENT PROVIDED BY FIRE DEPARTMENT

The following loose equipment as outlined in NFPA 1901, 2016 edition, section 10.9.3 will be provided by the fire department.

- One (1) SCBA complying with NFPA 1981 for each assigned seating position, but not fewer than two (2), mounted in brackets fastened to the apparatus or stored in containers supplied by the SCBA manufacturer.
- One (1) spare SCBA cylinder for each SCBA carried, each mounted in a bracket fastened to the apparatus or stored in a specially designed storage space(s).
- One (1) first aid kit.
- One (1) traffic vest for each seating position, each vest to comply with ANSI/ISEA 207, *Standard for High Visibility Public Safety Vests*, and have a five-point breakaway feature that includes two at the shoulders, two at the sides, and one at the front.

- Five (5) fluorescent orange traffic cones not less than 28" (711 mm) in height, each equipped with a 6". (152 mm) retro-reflective white band no more than 4" (152 mm) from the top of the cone, and an additional 4" (102 mm) retro-reflective white band 2" (51 mm) below the 6" (152 mm) band.
- Five (5) illuminated warning devices such as highway flares, unless the five fluorescent orange traffic cones have illuminating capabilities.
- One automatic external defibrillator (AED).

DRY CHEMICAL EXTINGUISHER PROVIDED BY FIRE DEPARTMENT

NFPA 1901, 2016 edition, section 10.9.3 requires one (1) approved dry chemical portable fire extinguisher with a minimum 80-B:C rating mounted in a bracket fastened to the apparatus.

The extinguisher is not on the apparatus as manufactured. The fire department will provide and mount the extinguisher.

WATER EXTINGUISHER PROVIDED BY FIRE DEPARTMENT

NFPA 1901, 2016 edition, section 10.9.3 requires one (1) 2.5 gallon or larger water extinguisher mounted in a bracket fastened to the apparatus.

The extinguisher is not on the apparatus as manufactured. The fire department will provide and mount the extinguisher.

PAINT PROCESS

The exterior custom cab and body painting procedure will consist of a seven (7) step finishing process as follows:

1. Manual Surface Preparation - All exposed metal surfaces on the custom cab and body will be thoroughly cleaned and prepared for painting. Imperfections on the exterior surfaces will be removed and sanded to a smooth finish. Exterior seams will be sealed before painting. Exterior surfaces that will not be painted include; chrome plating, polished stainless steel, anodized aluminum and bright aluminum treadplate.
2. Chemical Cleaning and Pretreatment - All surfaces will be chemically cleaned to remove dirt, oil, grease, and metal oxides to ensure the subsequent coatings bond well. The aluminum surfaces will be properly cleaned and treated using a high pressure, high temperature 4 step Acid Etch process. The steel and stainless surfaces will be properly cleaned and treated using a high temperature 3 step process specifically designed for steel or stainless. The chemical treatment converts the metal surface to a passive condition to help prevent corrosion.
3. Surfacer Primer - The Surfacer Primer will be applied to a chemically treated metal surface to provide a strong corrosion protective basecoat. A minimum thickness of 2 mils of Surfacer Primer is applied to surfaces that require a Critical aesthetic finish. The Surfacer Primer is a two-component high solids urethane that has excellent sanding properties and an extra smooth finish when sanded.
4. Finish Sanding - The Surfacer Primer will be sanded with a fine grit abrasive to achieve an ultra-smooth finish. This sanding process is critical to produce the smooth mirror like finish in the topcoat.

5. Sealer Primer - The Sealer Primer is applied prior to the Basecoat in all areas that have not been previously primed with the Surfacer Primer. The Sealer Primer is a two-component high solids urethane that goes on smooth and provides excellent gloss hold out when topcoated.
6. Basecoat Paint - Two coats of a high performance, two component high solids polyurethane basecoat will be applied. The Basecoat will be applied to a thickness that will achieve the proper color match. The Basecoat will be used in conjunction with a urethane clear coat to provide protection from the environment.
7. Clear Coat - Two (2) coats of Clear Coat will be applied over the Basecoat color. The Clear Coat is a two-component high solids urethane that provides superior gloss and durability to the exterior surfaces. Lap style and roll-up doors will be Clear Coated to match the body. Paint warranty for the roll-up doors will be provided by the roll-up door manufacturer.

After the cab and body are painted, the color will be verified to make sure that it matches the color standard. Electronic color measuring equipment will be used to compare the color sample to the color standard entered into the computer. Color specifications will be used to determine the color match. A Delta E reading will be used to determine a good color match within each family color.

All removable items such as brackets, compartment doors, door hinges, and trim will be removed and painted separately if required, to ensure paint behind all mounted items. Body assemblies that cannot be finish painted after assembly will be finish painted before assembly.

The paint finish quality levels for critical areas of the apparatus (cab front and sides, body sides and doors, and boom lettering panels) are to meet or exceed Cadillac/General Motors GMW15777 global paint requirements. Orange peel levels are to meet or exceed the #6 A.C.T. standard in critical areas. The manufacture's written paint standards will be available upon request.

Environmental Impact

Contractor will meet or exceed all current state regulations concerning paint operations. Pollution control will include measures to protect the atmosphere, water and soil. Controls will include the following conditions:

- Topcoats and primers will be chrome and lead free.
- Metal treatment chemicals will be chrome free. The wastewater generated in the metal treatment process will be treated on-site to remove any other heavy metals.
- Particulate emission collection from sanding operations will have a 99.99 percent efficiency factor.
- Particulate emissions from painting operations will be collected by a dry filter or water wash process. If the dry filter is used, it will have an efficiency rating of 98 percent. Water wash systems will be 99.97 percent efficient
- Water from water wash booths will be reused. Solids will be removed on a continual basis to keep the water clean.
- Paint wastes are disposed of in an environmentally safe manner.
- Empty metal paint containers will be recycled to recover the metal.
- Solvents used in clean-up operations will be recycled on-site or sent off-site for distillation and returned for reuse.

Additionally, the finished apparatus will not be manufactured with or contain products that have ozone depleting substances. Contractor will, upon demand, present evidence that the manufacturing facility meets the above conditions and that it is in compliance with his state EPA rules and regulations.

TWO-TONE CAB PAINT

The cab will be painted two-tone with the upper section painted #10 white and the lower section painted #106 dark red. There will be a standard two-tone cab paint break provided.

There will be a standard cab shield provided.

BODY PAINT

The body will be painted to match the lower section of the cab.

PAINT/SEAL CHASSIS FRAME ASSEMBLY

The following components will be treated with epoxy E-coat protection prior to finish paint:

- Two (2) C-channel frame rails

The E-coat process will meet the technical properties shown.

Before the frame rails are finish painted, all areas will be sealed with a 3M 2084 metal sealant after the components are torqued to the frame rails:

- The joint between all crossmembers and the frame
- The joint between all spring hangers and the frame.

The chassis frame assembly will be finished with primer and gloss paint to match the lower job color before the installation of the cab and body, and before installation of the engine and transmission assembly, air brake lines, electrical wire harnesses, etc.

Components that are included with the chassis frame assembly that will be finish painted are:

- Frame rails
- Cross membersAxles
- Suspensions
- Steering gear
- Battery boxes
- Bumper extension weldment
- Frame extensions
- Body mounting angles
- Rear Body support substructure (front and rear)
- Pump house substructure
- Air tanks
- Steel fuel tank
- Castings

FILM TECHNICAL PROPERTIES		
PROPERTY	TEST METHOD	PERFORMANCE
Color	-	Black
Film Thickness	-	0.5 - 1.5 Mils
Gloss - 60 Degree	ASTM D523	65 - 85
Pencil Hardness	ASTM D3363	2H Minimum
Direct Impact	ASTM D2794	100 in. - lbs. Minimum
Reverse Impact	ASTM D2794	60 in. - lbs. Minimum
Crosshatch Adhesion	ASTM D3359	4B - 5B
Humidity	ASTM D1735	1000 Hours Minimum
Water Immersion	ASTM D870	250 Hours Minimum
Gravelometer	GM9508P	6 Minimum
Throwpower	GM9535P	12 - 15 in.
<small>Cold rolled steel lab panels, Zinc Phosphate pretreatment, 0.6 mils average film thickness, cured 20 minutes @ 350°F.</small>		
PROPERTY	SUBSTRATE PRETREATMENT	SALT SPRAY* 1000 HOURS
Corrosion Resistance	CRS / Zinc Phos / Non-Chrome	1 - 2 mm
<small>*Salt Spray - ASTM B117, cold rolled steel lab panels cured 20 minutes @ 350°F. (Average Total Scribe Creep)</small>		

- Individual piece parts used in chassis and body assembly

After the chassis frame assembly is finish painted, the following non-torqued joints will be sealed with a SG-510A rust-proofing compound:

-All bolted on chassis components that could be vulnerable to rust, i.e. body mounting angles, air tanks, etc.

To summarize, all metal to metal contact components that are prone to rust, will be protected.

PAINT, REAR WHEELS

All wheel surfaces, inside and outside of inboard steel wheels only, will be provided with powder coat paint #101 black.

AXLE HUB PAINT

All axle hubs will be painted to match lower job color.

COMPARTMENT INTERIOR PAINT

The interior of all compartments will be painted with a gray spatter finish for ease of cleaning and to make it easier to touch up scratches and nicks.

REFLECTIVE STRIPES

Three (3) reflective stripes will be provided across the front of the vehicle and along the sides of the body. The reflective band will consist of a 1.00" white stripe at the top with a 1.00" gap then a 6.00" white stripe with a 1.00" gap and a 1.00" white stripe on the bottom.

The reflective band provided on the cab face will be at the headlight level.

REAR CHEVRON STRIPING

There will be alternating chevron striping located on the rear-facing vertical surface of the apparatus. Covered surfaces will include the exterior rear wall. Rear compartment doors, entry doors, or walkway areas will not be covered.

The colors will be red and fluorescent yellow green diamond grade.

Each stripe will be 6.00" in width.

This will meet the requirements of the current edition of NFPA 1901, which states that 50% of the rear surface will be covered with chevron striping.

"Z" JOG IN REFLECTIVE STRIPE

There will be one (1) "Z"-shaped jog(s) provided in the reflective stripe design.

CHEVRON STRIPING ON THE FRONT BUMPER

There will be alternating chevron striping located on the front bumper.

The colors will be fluorescent yellow green and red diamond grade.

The size of the striping will be 4.00".

CAB DOOR REFLECTIVE STRIPE

A 6.00" x 16.00" white reflective stripe will be provided across the interior of each cab door. The stripe will be located approximately 1.00" up from the bottom, on the door panel.

This stripe will meet the NFPA 1901 requirement.

LETTERING

The lettering will be totally encapsulated between two (2) layers of clear vinyl.

LETTERING

Forty-one (41) to sixty (60) genuine gold leaf lettering, 3.00" high, with outline and shade will be provided.

CAB GRILLE DESIGN

An American flag design will be painted on the cab grille.

RUST PROOFING/UNDERCOATING

The apparatus will be properly treated by an authorized Ziebart dealer.

The underside of the apparatus will be undercoated with an asphalt petroleum based material, dark in color.

The undercoating material utilized on the apparatus will be formulated to resist corrosion and deaden unwanted sound or road noise.

Coating texture will appear firm, flexible, and resistant to abrasion. Minimum dry film thickness will be in the range of 8.00 to 12.00 mils.

The material will be applied to the following areas:

Body and cab wheel well fender liners, on the back side only.

Underside of body and cab sheet metal, and structural components.

Underside and vertical sides of all sheet metal compartmentation, including support angles.

Structural support members under running boards, rear platforms, battery boxes, walkways, etc.

Inside surfaces of the pump heat enclosure, (when installed).

FIRE APPARATUS PARTS MANUAL

There will be one (1) custom parts manual(s) in USB flash drive format for the complete fire apparatus provided.

The manual(s) will contain the following:

- Job number
- Part numbers with full descriptions
- Table of contents
- Parts section sorted in functional groups reflecting a major system, component, or assembly
- Parts section sorted in alphabetical order

- Instructions on how to locate parts

Each manual will be specifically written for the chassis and body model being purchased. It will not be a generic manual for a multitude of different chassis and bodies.

Service Parts Internet Site

The service parts information included in these manuals are also available on the Pierce website. The website offers additional functions and features not contained in this manual, such as digital photographs and line drawings of select items. The website also features electronic search tools to assist in locating parts quickly.

CHASSIS SERVICE MANUALS

There will be one (1) chassis service manuals on USB flash drives containing parts and service information on major components provided with the completed unit.

The manual will contain the following sections:

- Job number
- Table of contents
- Troubleshooting
- Front Axle/Suspension
- Brakes
- Engine
- Tires
- Wheels
- Cab
- Electrical, DC
- Air Systems
- Plumbing
- Appendix

The manual will be specifically written for the chassis model being purchased. It will not be a generic manual for a multitude of different chassis and bodies.

CHASSIS OPERATION MANUAL

The chassis operation manual will be provided on one (1) USB flash drive.

ONE (1) YEAR MATERIAL AND WORKMANSHIP

A Pierce basic apparatus limited warranty certificate, WA0008, is included with this proposal.

ENGINE WARRANTY

A Cummins **five (5) year** limited engine warranty will be provided. A limited warranty certificate, WA0181, is included with this proposal.

STEERING GEAR WARRANTY

A TRW **one (1) year** limited steering gear warranty will be provided. A copy of the warranty certificate will be submitted with the bid package.

FIFTY (50) YEAR STRUCTURAL INTEGRITY

The Pierce custom chassis frame limited warranty certificate, WA0013, is included with this proposal.

FRONT AXLE WARRANTY

A Eaton **five (5)-year/100,000 mile** parts and labor warranty will be provided.

REAR AXLE WARRANTY

A Eaton **five (5)-year/100,000 mile** parts and labor warranty will be provided.

ABS BRAKE SYSTEM THREE (3) YEAR MATERIAL AND WORKMANSHIP WARRANTY

A Meritor Wabco™ ABS brake system limited warranty certificate, WA0232, is included with this proposal.

TEN (10) YEAR STRUCTURAL INTEGRITY

The Pierce custom cab limited warranty certificate, WA0012, is included with this proposal.

TEN (10) YEAR PRO-RATED PAINT AND CORROSION

A Pierce cab limited pro-rated paint warranty certificate, WA0055, is included with this proposal.

FIVE (5) YEAR MATERIAL AND WORKMANSHIP

The Pierce Command Zone electronics limited warranty certificate, WA0014, is included with this proposal.

CAMERA SYSTEM WARRANTY

A Pierce fifty four (54) month warranty will be provided for the camera system.

COMPARTMENT LIGHT WARRANTY

The compartment lights will not offer an extended warranty.

TRANSMISSION WARRANTY

The transmission will have a **five (5) year/unlimited mileage** warranty covering 100 percent parts and labor. The warranty will be provided by Allison Transmission.

Note: The transmission cooler is not covered under any extended warranty you may be getting on your Allison Transmission. Please review your Allison Transmission warranty for coverage limitations.

TRANSMISSION COOLER WARRANTY

The transmission cooler will carry a five (5) year parts and labor warranty (exclusive to the transmission cooler). In addition, a collateral damage warranty will also be in effect for the first three (3) years of the warranty coverage and will not exceed \$10,000 per occurrence. A copy of the warranty certificate will be submitted with the bid package.

WATER TANK WARRANTY

A UPF poly water tank limited warranty certificate, WA0195, is included with this proposal.

FIFTEEN (15) YEAR STRUCTURAL INTEGRITY

The Pierce heavy duty rescue apparatus body limited warranty certificate, WA0010, is included with this proposal.

ROLL UP DOOR MATERIAL AND WORKMANSHIP WARRANTY

An AMDOR roll-up door limited warranty will be provided. The roll-up door will be warranted against manufacturing defects for a period of **ten (10) years**. A **five (5) year** limited warranty will be provided on painted roll up doors.

The limited warranty certificate, WA0185, is included with this proposal.

TWO (2) YEAR GENERATOR MATERIAL AND WORKMANSHIP WARRANTY

A Harrison Hydra-Gen generator two (2) year limited warranty will be provided.

TEN (10) YEAR PRO-RATED PAINT AND CORROSION

A Pierce body limited pro-rated paint warranty certificate, WA0057, is included with this proposal.

THREE (3) YEAR MATERIAL AND WORKMANSHIP

The Pierce Goldstar gold leaf lamination limited warranty limited warranty certificate, WA0018, is included with this proposal.

VEHICLE STABILITY CERTIFICATION

The fire apparatus manufacturer will provide a certification stating the apparatus complies with NFPA 1901, current edition, section 4.13, Vehicle Stability. The certification will be provided at the time of bid.

ENGINE INSTALLATION CERTIFICATION

The fire apparatus manufacturer will provide a certification, along with a letter from the engine manufacturer stating they approve of the engine installation in the bidder's chassis. The certification will be provided at the time of delivery.

POWER STEERING CERTIFICATION

The fire apparatus manufacturer will provide a certification stating the power steering system as installed meets the requirements of the component supplier. The certification will be provided at the time of bid.

CAB INTEGRITY CERTIFICATION

The fire apparatus manufacturer will provide a cab crash test certification with this proposal. The certification will state that a specimen representing the substantial structural configuration of the cab has been tested and certified by an independent third party test facility. Testing events will be documented with photographs, real-time and high-speed video, vehicle accelerometers, cart accelerometers, and a laser speed trap. The fire apparatus manufacturer will provide a state licensed professional engineer to witness and certify all testing events. Testing will meet or exceed the requirements below:

- SAE J2422 Cab Roof Strength Evaluation - Quasi-Static Loading Heavy Trucks.
- European Occupant Protection Standard ECE Regulation No.29.
- SAE J2420 COE Frontal Strength Evaluation - Dynamic Loading Heavy Trucks.

Side Impact

The cab will be subjected to dynamic preload where a 14,320-lb moving barrier is slammed into the side of the cab at 5.50 mph, striking with an impact of 13,000 ft-lb of force. This test is part of the SAE J2422 test procedure and more closely represents the forces a cab will see in a rollover incident.

Frontal Impact

The same cab will withstand a frontal impact of 32,600 ft-lb of force using a moving barrier in accordance with SAE J2420.

Additional Frontal Impact

The same cab will withstand a frontal impact of 65,098 ft-lb of force using a moving barrier. (Twice the force required by SAE J2420)

Roof Crush

The cab will be subjected to a roof crush force of 22,500 lb. This value meets the ECE 29 criteria, and is equivalent to the front axle rating up to a maximum of ten (10) metric tons.

Additional Roof Crush

The same cab will be subjected to a roof crush force of 110,000 lbs. (Four and a half times the load criteria of ECE 29)

The same cab will withstand all tests without any measurable intrusion into the survival space of the occupant area.

There will be no exception to any portion of the cab integrity certification. Nonconformance will lead to immediate rejection of bid.

CAB DOOR DURABILITY CERTIFICATION

Robust cab doors help protect occupants. Cab doors will survive a 200,000 cycle door slam test where the slamming force exceeds 20 G's of deceleration. The bidder will certify that the sample doors similar to those provided on the apparatus have been tested and have met these criteria without structural damage, latch malfunction, or significant component wear.

WINDSHIELD WIPER DURABILITY CERTIFICATION

Visibility during inclement weather is essential to safe apparatus performance. Windshield wipers will survive a 3 million cycle durability test in accordance with section 6.2 of SAE J198 *Windshield Wiper Systems - Trucks, Buses and Multipurpose Vehicles*. The bidder will certify that the wiper system design has been tested and that the wiper system has met these criteria.

ELECTRIC WINDOW DURABILITY CERTIFICATION

Cab window roll-up systems can cause maintenance problems if not designed for long service life. The window regulator design will complete 30,000 complete up-down cycles and still function normally when finished. The bidder will certify that sample doors and windows similar to those provided on the apparatus have been tested and have met these criteria without malfunction or significant component wear.

SEAT BELT ANCHOR STRENGTH

Seat belt attachment strength is regulated by Federal Motor Vehicle Safety Standards and should be validated through testing. Each seat belt anchor design will withstand 3000 lb of pull on both the lap and shoulder belt in accordance with FMVSS 571.210 Seat Belt Assembly Anchorages. The bidder will certify that each anchor design was pull tested to the required force and met the appropriate criteria.

SEAT MOUNTING STRENGTH

Seat attachment strength is regulated by Federal Motor Vehicle Safety Standards and should be validated through testing. Each seat mounting design will be tested to withstand 20 G's of force in accordance with FMVSS 571.207 Seating Systems. The bidder will certify, at time of delivery, that each seat mount and cab structure design was pull tested to the required force and met the appropriate criteria.

PERFORMANCE CERTIFICATIONS

Cab Air Conditioning

Good cab air conditioning temperature and air flow performance keeps occupants comfortable, reduces humidity, and provides a climate for recuperation while at the scene. The cab air conditioning system will cool the cab from a heat-soaked condition at 100 degrees Fahrenheit to an average of 78 degrees Fahrenheit in 30 minutes. The bidder will certify that a substantially similar cab has been tested and has met these criteria.

Cab Defroster

Visibility during inclement weather is essential to safe apparatus performance. The defroster system will clear the required windshield zones in accordance with SAE J381 Windshield Defrosting Systems Test Procedure And Performance Requirements - Trucks, Buses, And Multipurpose Vehicles. The bidder will certify that the defrost system design has been tested in a cold chamber and passes the SAE J381 criteria.

Cab Auxiliary Heater

Good cab heat performance and regulation provides a more effective working environment for personnel, whether in-transit, or at a scene. An auxiliary cab heater will warm the cab 77 degrees Fahrenheit from a cold-soak, within 30 minutes when tested using the coolant supply methods found in SAE J381. The bidder will certify, at time of delivery, that a substantially similar cab has been tested and has met these criteria.

AMP DRAW REPORT

The bidder will provide, at the time of bid and delivery, an itemized print out of the expected amp draw of the entire vehicle's electrical system.

The manufacturer of the apparatus will provide the following:

- Documentation of the electrical system performance tests.
- A written load analysis, which will include the following:
 - The nameplate rating of the alternator.
 - The alternator rating under the conditions specified per:
 - Applicable NFPA 1901 or 1906 (Current Edition).
 - The minimum continuous load of each component that is specified per:
 - Applicable NFPA 1901 or 1906 (Current Edition).
 - Additional loads that, when added to the minimum continuous load, determine the total connected load.
 - Each individual intermittent load.

All of the above listed items will be provided by the bidder per the applicable NFPA 1901 or 1906 (Current Edition).

SPECIFICATIONS FOR EJ METALS UHP SYSTEM

To be installed in B1 upon completion of truck:

EJM 8 GPM @ 2,800 PSI Compact Ultra-High-Pressure Base Unit Harrison, Wi. – Fire Apparatus & Equipment Inc.

QUALITY AND WORKMANSHIP

The design of the skid shall embody the latest approved automotive engineering practices. The workmanship shall be of the highest quality in its respective field. Special consideration shall be given to the following points: accessibility of the various units, which require periodic maintenance, ease of operation (including both pumping and driving) and symmetrical proportions. Construction shall be rugged and ample safety factors shall be provided to carry the loads specified and to meet both on and off-road requirements and speed conditions as set forth under "Performance Tests and Requirements". Welding shall not be employed in the assembly of the skid in a manner that shall prevent the ready removal of any component part for service or repair.

APPROVAL DRAWINGS

Prior to the construction of the skid, a detailed CAD-generated drawing shall be supplied to the Dealer for customer approval. The drawing shall be signed by authorized personnel and returned to the factory within 30 days of receipt. Construction of the skid shall not commence until the approved drawing is returned to the factory. The signed drawing shall become an integral part of the final contract and shall be kept on file at the factory for future reference.

PERFORMANCE TEST AND REQUIREMENTS

The completed skid unit shall be performance tested prior to delivery. All systems, (Water, Foam and Electrical), installed by EJ Metals, LLC. shall be tested, purged, and primed, that the skid will be ready for service upon delivery of the unit, except for adding water to the main supply tank.

WATER TANK OPTIONS – N/A

Installed in Pierce Rescue. The water tank shall be constructed of polypropylene baffled to meet the requirements of NFPA 1901 and contain a foam cell if specified. Tank shell thickness may vary

depending on the application and may range from ½" to 1" as required. The top of the water tank is fitted with a removable lifting assembly designed to facilitate tank removal. The transverse and

longitudinal baffles shall be manufactured of a minimum 3/8" polypropylene. Baffles shall have openings at both the top and bottom to permit movement of air and fluid between spaces to allow maximum flow requirements. Baffles shall be an integral part of the tank and shall be designed to provide and maintain safe road stability regardless of water and foam level. The tank outlet shall be located as low as possible to maximize water flow to the pump without cavitation. A fill tower shall be provided in the upper tank surface to allow direct filling of the tank. The tower shall have a cover to reduce water loss in transport. A transparent tank level indicator (sight window) shall be included with the water tank and the integrated foam cell. The indicator shall be integral to the tank. The level

indicator shall be located on the driver's side of the tank to provide maximum visibility to the operator. The water tank manufacturer shall supply a certificate indicating tank capacity. The certificate shall be included with the skid. The water tank manufacturer shall warrant the water tank to be free from manufacturing defects in material and workmanship for the service life of the vehicle. The tank must be installed in accordance with the tank manufacturer's installation instructions.

FOAM - INTEGRATED CELL/JUG – N/A

Attach to HDR Foam Cell Depending on the water tank selection, foam will either be supplied via a separate cell integrated into the water tank or by a separate foam jug. For water tanks equipped with an integrated foam cell, a sight window will be built into the tank to visually acquire foam levels.

COMPACT BASE UNIT

An aluminum structure shall be constructed around the UHP system.

PLUMBING CONSTRUCTION

All piping attached to the fire pump shall consist of high-pressure brass and S/S fittings. Flexible discharge lines shall be constructed of reinforced high-pressure hose with crimped stainless steel or brass hose ends. All piping shall be pressure tested after installation on the skid.

WATER TANK FILL / DRAIN

One (1), 1.5" Tank fill / Drain shall be provided at the lowest possible point of the tank.

PLUMBING CONSTRUCTION

All piping attached to the fire pump shall consist of high-pressure brass and S/S fittings. Flexible discharge lines shall be constructed of reinforced high-pressure hose with crimped stainless steel or brass hose ends. All piping shall be pressure tested after installation on the skid.

UHP ENGINE DRIVEN PUMP MODULE

EJM triplex plunger ultra-high pressure ceramic lined pump will be provided. The pump shall have the following features:

- 10 gal per minute at 1800 PSI
- Die Cast Aluminum Crankcase
- Chrome-Moly Crankshaft
- Oversized Bearings
- Stainless Steel Valves and Seats
- Brass Inlet Manifold
- Brass Discharge Manifold
- Inlet Foam Inductor
- Inlet Strainer
- Pop-off Pressure Relief Valve – (pre-set)
- Thermal Relief Valve – (prevents overheating of by-pass loop)

OPERATOR & ENGINE CONTROLS

- Key Start/Stop
- Choke On/Off
- Engine Throttle Foam/Decon (Optional) on/Flush

- Foam/Decon (Optional) Selector
- 5000 PSI Pressure Gauge
- 0.0% to 6.0% Foam Metering Valve
- Easy Start Bypass Valve
- Electric Hose Rewind on Hose Reel
- Winterization Port with Chrome Cap & Chain
- LED Water Level Tank Gauge (Optional)
- LED Foam Level Tank Gauge (Optional)
- LED Panel Light

PRESSURE PROTECTION

A primary and secondary pressure relief valve system shall be utilized. The primary un-loader valve sets the system pressure and protects the pump from pressure extremes associated with obstructions in the discharge line. When no flow is required by the system, the valve will bypass all system flow. The secondary relief valve provides back-up protection to assure pressure relief for maximum system protection. The relief valve is set approximately 200 psi above system operating pressure.

OVERHEAT PROTECTION

A system shall be provided with the pump prevents heating and steaming when the nozzle is closed while the pump is running. When the pump temperature reaches a pre-set level, the heated water is discharged to ground, and tank water is allowed into the pump.

FOAM PROPORTIONER

A metering Valve .05% to 6.0% foam proportioning system will be provided. The system will be compatible with Class A and Class B foams concentrates. Foam concentrate will be injected in the water suction line before it enters the high-pressure pump. The foam control will be an On/ Flush foam agent valve installed on the pump panel. PUMP ENGINE The ultra-high-pressure pump shall be powered by a B&S Vanguard 1800 gasoline engine. 01312022 Engine Type: Air-cooled 4-stroke OHV Bore & Stroke: 72 x 70 mm Displacement: 570 cm³ Net Power Output: 18 Horsepower @ 3600 RPM Net Torque: 35.6 lb.-ft. @ 2500 RPM PTO Shaft Rotation: Counterclockwise (from PTO shaft side) Compression Ratio:

8.2:1 Lamp/Charge coil options: Carburetor: Horizontal Type, Two-barrel Butterfly Valve, Internal Vent Ignition System: Electronic Starting System: Electric – Manual Recoil Back-up Lubrication System: Full Pressure-Spin-on Oil Filter Governor System: Mechanical Air Cleaner: Dual element – Low Profile Oil Capacity: 1.8 US quarts Fuel Capacity: 6.95 US Quarts Fuel: Unleaded Gasoline 86 Octane or Higher Warranty: Commercial Grade 3-year Warranty

BATTERY-DIRECT to CHASSIS

The ultra-high-pressure system will be wired directly to the chassis battery.

ULTRA-HIGH-PRESSURE HOSE AND ELECTRIC REEL

One (1), Ultra-High Pressure hose reels shall be provided. The reel shall have 150 feet of 1/2" high pressure hose. The reels shall be rated for 3,000 psi working pressure. The reel shall be equipped with electric rewind with a switch located on the reel frame. A hose guide assembly shall be provided for the reel. JUMPER HOSE (OPTION)- No One (1) 50-foot 1/2" Ultra-High-Pressure hose section with quick disconnects.

ULTRA-HIGH PRESSURE NOZZLE

The EJM ultra-high pressure Locking nozzle assembly will be stored near the hose reel. The nozzle shall have three (3) patterns:

- 1) A "DRY FOAM" setting with a minimum pattern width of 3 feet and 35 ft length for heavier foam applications.
- 2) A "WET FOAM" fan setting with a minimum pattern width of 65° and 18 ft length for wet foam applications.
- 3) 3) A "WET FOAM" straight stream "HIGHLY ATOMIZED" setting capable of discharging a minimum distance of 40 feet.

The discharge type shall be selected by rotating the nozzle to the desired position. The nozzle shall be connected to the hose with a quick-disconnect type coupling to allow easy removal for storage or maintenance.

NOZZLE STORAGE MOUNT

An EJM Tri-Plex Locking nozzle mount shall be provided. The nozzle mount shall be fabricated from .125" aluminum and 3.0" ID schedule 40 PVC tube.

TANK TO PUMP

A 1.00" tank to pump line shall be provided. The line shall be gated by a 1.00" full flow swing-out ball valve. Flexible connections shall be used between the pump and the water tank to allow for vehicle flexing.

COLOR CODED TAGS

Color coded pump panel identification labels shall be provided for all gauges, controls, connections, switches, inlets, and outlets.

SERVICE and TRAINING

Service manuals and data sheets

Technical support via technical sale and support group Operations manuals

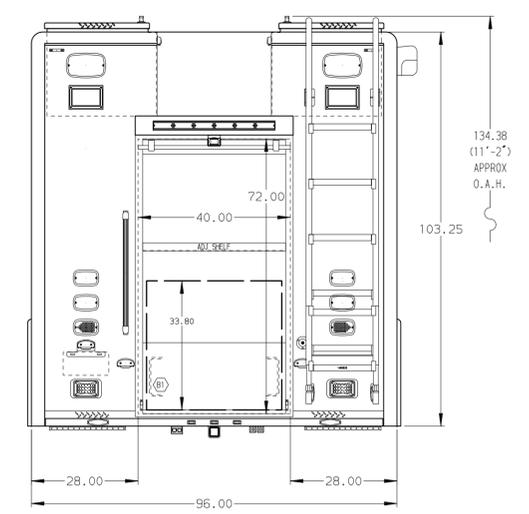
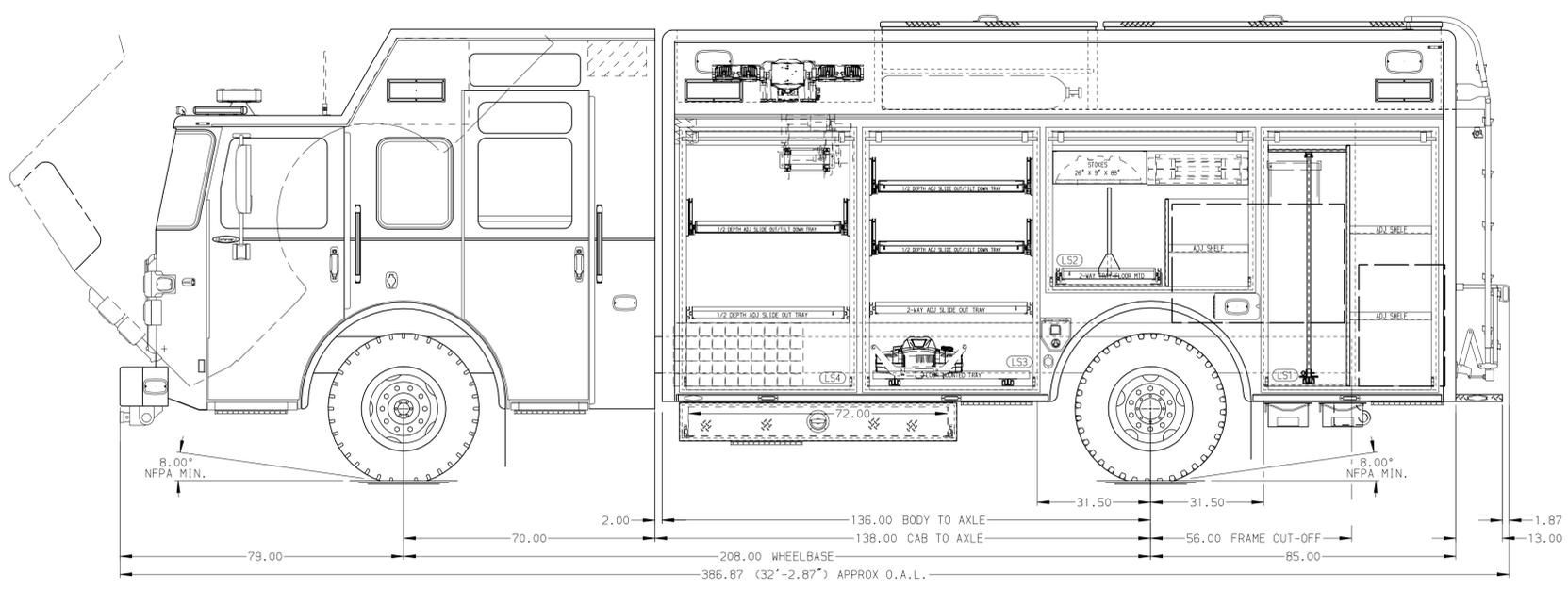
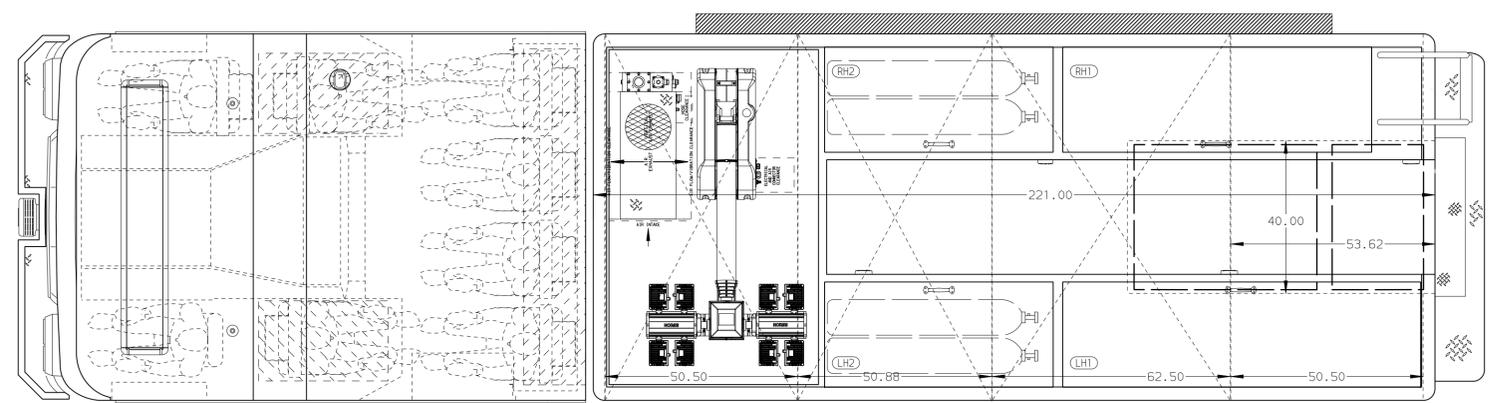
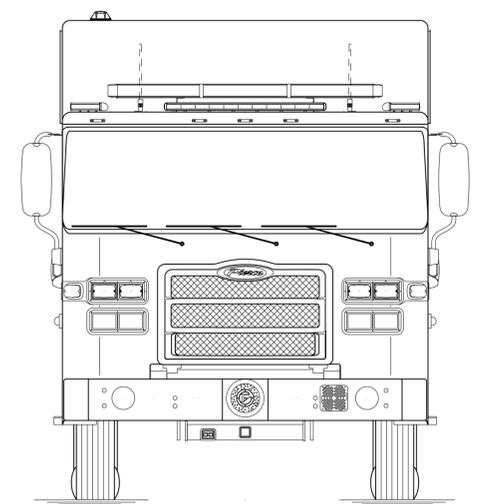
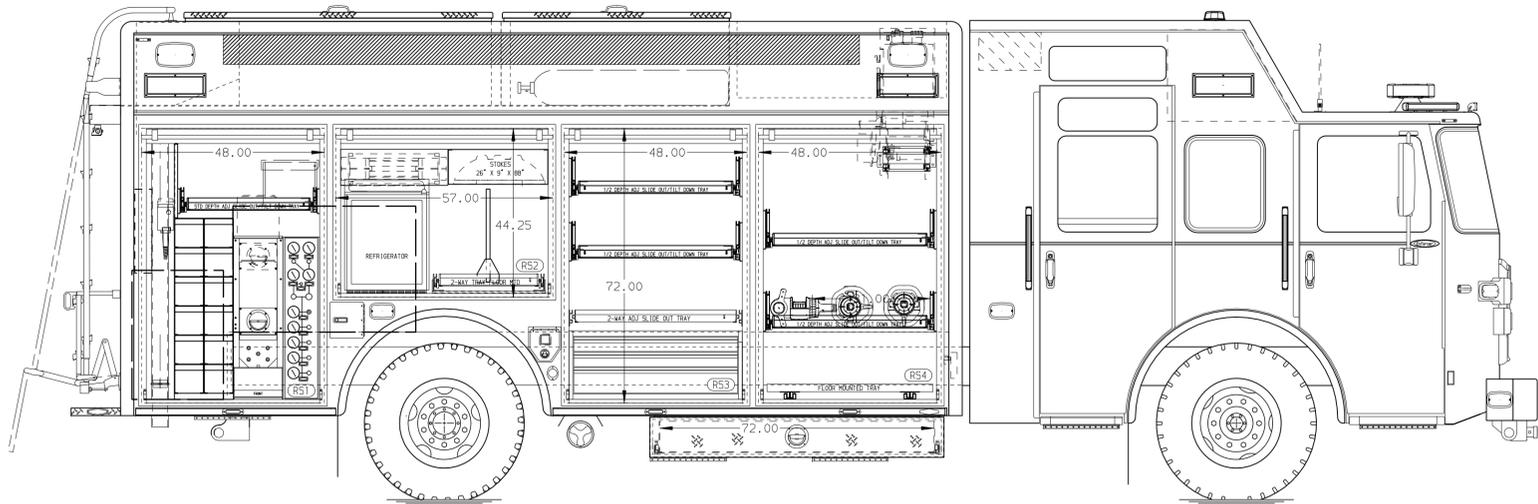
MANUALS

A complete set of manufacturer's operation and maintenance manuals shall be included covering the completed skid shall be provided, including but not limited to the chassis, wiring diagrams, or any other documents and/or technical data referencing the skid. Any manufacturer's warranties and/or guarantees shall also be included.

WARRANTY

The manufacturer shall warranty each new Ultra-High-Pressure Skid unit to be free from defects in materials or workmanship under normal use and service. The manufacturer's obligation under this warranty is limited to repairing or replacing, as the company may elect, any parts thereof which are returned to them, with transportation costs prepaid and as to which examination is disclose to the company's satisfaction to have been defective. The part, or parts, shall be returned to the manufacturer not later than (1), year from delivery of the skid. Such defective part, or parts, shall be repaired or replaced free of charge and without charge for installation to the original purchaser. This warranty shall not apply: 1) To normal maintenance and adjustments. 2) Any condition resulting from incorrect or

inadequate maintenance or care. 3) Damage resulting from misuse, abuse, negligence, accidents of shipping damage. 4) To any skid that has been repaired or altered outside of the factory. This warranty is in lieu of all other warranties, expressed or implied, all other representations to the original purchaser and all other obligations or liabilities, including liability for incidental or consequential damages on the part of the company. The manufacturer neither assumes nor authorizes any other person to give or assume any other warranty or liability on the company's behalf, unless made or assumed in writing by the company. EJ Metals, LLC shall warranty the complete skid against defects in material and workmanship for a period of one (1), year after the delivery date. For the purposes of this warranty, the delivery date is defined as the date when the skid leaves the EJ Metals, LLC facility, 1201 Maple Creek Lane, New London, Wisconsin 54961.



NOTE
 DIMENSIONS SHOWN ARE APPROXIMATE AND ARE SUBJECT TO MINOR DEVIATIONS AS MAY OCCUR OR BE NECESSARY IN CONSTRUCTION. MINOR DETAILS NOT SHOWN.

(SIDE ROLL & FRONTAL IMPACT PROTECTION)

CLEAR DOOR WIDTH KEY

AMOR ROLL UP DOORS:	-2 1/4"
GORTITE ROLL UP DOORS:	-2 1/2"
PIERCE DOUBLE LAP DOORS:	-4 1/4"
PIERCE LIFT-UP LAP DOORS:	-1 1/2"

(EX: 60" F-F - 2 1/4" = 57 3/4" CLEAR)
 (F-F) = FRAME TO FRAME

CUSTOMER APPROVAL

APPROVED BY: _____
 DATE: _____

REV	DATE	BY	CH
-	-	-	-

		TITLE	HEAVY DUTY RESCUE NON-WALKIN.
		FOR	TOWN OF HARRISON BID #991
LESLIE NILES		DWG NO.	71172

JOB NO.	PRELIM
SCALE	1:24
DATE	29SEP23
DRAWN BY	DHE
CHECKED BY	-
SHEET SIZE	D
SHEET NO.	1 OF 1

VILLAGE BOARD MEETING

VILLAGE OF HARRISON

From:

Matt Heiser, Village Manager

Meeting Date:

November 28, 2023

Title:

Purchase Radar-based Speed Display Boards

Issue:

Should the Village use ARPA funds to purchase radar-based speed display boards?

Background and Additional Information:

At a recent Board meeting Board members inquired with Calumet County Sheriff's department members about purchasing and mounting these pieces of equipment.

They monitor the speed of passing vehicles and if they are in excess of the posted limit a light on the sign will flash.

Lt. Joe Tenor performed an on-line search for options and found the least expensive alternative.

Budget Impacts:

None - use of ARPA funds

Recommended Action:

Lt. Tenor recommends seven of them be installed at \$3,300 each for a total cost of \$23,100 at the locations of: Noe Road between CTH KK and Hearthstone Dr, Midway Road between Krissy Dr. and Noe Road, Mile Long Dr., Handel Dr. between CTH KK and Mile Long Dr., Woodland Road, North Coop Road, Spring Valley Road.

Attachments:

- [MEMO Village Board 11-28-23 Use ARPA Funds for Radar Speed Display Brds ATTACH - Grainger Tech Print Out.pdf](#)
- [MEMO Village Board 11-28-23 Use ARPA Funds for Radar Speed Display Boards ATTACH - Lt. Tenor Report.pdf](#)



**Radar Speed Monitor Signs:
29 in x 23 in Nominal Sign
Size, Aluminum, White,
Solar, Evolution 11**

Item 493X97 Mfr. Model 138840

Basic Power Source **Solar**

- Battery
- Hardwire
- Solar**

Web Price ⓘ
\$3,395.73 / each

This item requires special shipping, additional charges may apply.

Qty 1 **Add to Cart**

Ship Pickup

Expected to arrive
Mon. Nov 20.

Ship to 54911 | [Change](#)

Shipping Weight **53 lbs**
[Ship Availability Terms](#)

Compare

Product Details [Catalog Page N/A](#)

Brand **TAPCO**

LED Sign Type **Speed Monitor Sign**

Sign Legend **Your Speed (Lowest 5 mph)**

Sign Header Text Color **Black**

Sign Legend Style **Text**

Background Color **White**

MUTCD Compliant Sign **No**

State Specific Sign **No**

ADA Compliant **No**

Sign Material **Aluminum**

LED Message Type **Speed**

LED Display Number of Rows 1

Retroreflective Grade **High Intensity Prismatic (HIP)**

LED Display Color **Amber; Red**

LED Life Expectancy **100,000 hr**

Includes Sign Post **No**

Sign Height **29 in**

Sign Width **23 in**

[Add to List](#)

Compliance & Restrictions

Green Product - This item has been designated by the manufacturer as an environmentally preferable product (EPP) because this item has one or more environmentally preferable attributes.

Green Environmental Attribute: Product is Solely Powered by Solar Energy.

Thickness **0.08 in**

Basic Power Source **Solar**

Number of Sides **1**

Includes Battery **Yes**

Battery Size **12.8V**

Battery Type **Lithium-Ion**

Battery Capacity **15.0Ah**

Number of Batteries **1**

Includes Solar Panel **Yes**

Solar Panel Type **Panel**

Solar Panel Wattage **20 W**

Solar Charge Life **14 day**

Solar Panel Dimensions **15 in x 9-3/4 in**

Activation Method **Speed**

Scheduling Capabilities **24/365 Scheduling**

Data Collection **Yes - Requires add-on Unit**

Auto Dimming Capable **No**

Includes Vehicle Speed Sensor **Yes**

Vehicle Speed Sensor Range **400 ft**

Vehicle Speed Sensor Technology **Doppler Radar**

Vehicle Speed Sensor Units **KPH; MPH**

Wireless Communication Method **Bluetooth**

Programming Modes **Stealth Mode (with additonal software purchase)**

Includes Mounting Hardware **Yes**

Visibility Distance - Daytime **1,000 ft**

Visibility Distance - Nighttime **1 mi**

Sign Mounting Style **Bracket**

Mounting Pattern **No Mounting Holes**

Enclosure Dimensions **23 in x 5-5/8 in x 17-1/4 in**

IP Rating **IP65**

Enclosure Material **Polycarbonate**

NEMA Rating **NEMA 4X-12**

Includes Dolly **No**

Includes

Bluetooth Connection for Data Gathering When Optional Data Collection Software is Purchased

Vandal Resistant **Yes**

Warranty **2 yr (Parts and Labor), 1 yr (Batteries)**

Series **Evolution 11**

Series **Evolution 11**

UNSPSC **55121710**

Country of Origin **Canada (subject to change)**



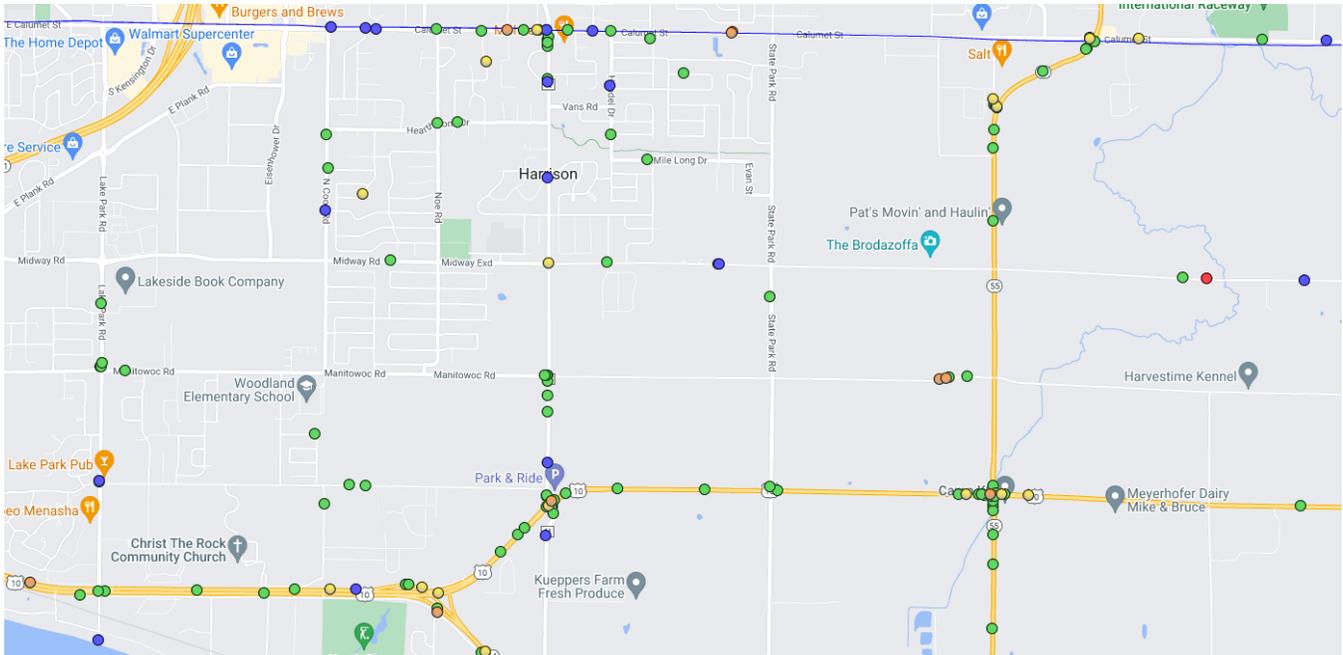
CALUMET COUNTY SHERIFF

Brett J. Bowe, Sheriff
Derek Bries, Chief Deputy

206 Court Street | Chilton, WI 53014
(920) 849-2335 | (800) 442-9878 | Fax (920) 849-1431
www.calumetcounty.org

Speed Related Crashes

January 1, 2015 – present



- Fatality ● Injury (A) ● Injury (B) ● Injury (C)
- Property Damage

There were **254** total crashes reported resulting in **2** fatalities and **87** injuries. Of this total, **251** crashes are mapped. [\[More\]](#)

In regards to speed-related crashes in the residential side streets of Harrison, there does not appear to be any areas that stand out. Any speed radar boards would be to primarily help slow down cars to calm citizen concerns, and secondarily prevent crashes. Each speed board would only display a speed in one direction. If the speed were to be displayed in both directions, two signs would be needed. The signs could be moved from time to time, but would take labor from the Public Works Department.

Another option would be to purchase a radar trailer (like the county owned trailer). This could be done instead of, or to augment the fixed radar boards. The cost for a trailer would be around \$20,000. Even if the village purchased radar signs, the county radar trailer would continue to be deployed in the village. However, its time is limited in the village as it is also used in other areas of the county.

Going off memory of citizen driving complaints, being a citizen of Harrison, and patrol experience I am going to list some areas that, in my opinion, would benefit from slower traffic / speed signs. These are listed in no particular order.

- Noe Rd between CTH KK and Hearthstone Dr.
- Midway Rd. between Krissy Dr. and Noe Rd.
- Mile Long Dr.
- Handel Dr. between CTH KK and Mile Long Dr.
- Woodland Rd.
- North Coop Rd
- Spring Valley Rd.

Lt. Joseph Tenor

VILLAGE BOARD MEETING

VILLAGE OF HARRISON

From:

Chad Pelishek, Assistant Village Manager

Meeting Date:

November 28, 2023

Title:

Plan for Tree Planting at Farmers Field

Issue:

Does the Village Board support 8-10-foot-high Autumn Blazing Maple Trees at \$4,000- or 20-foot trees for \$8,000?

Background and Additional Information:

DPW staff removed the dying/overgrowing tree line at Farmers Field at the east property line along the access driveway. Staff would like to replant 10 trees along the tree line which is about 1,000 feet long. There are two options of trees the board needs to consider. The options are below:

2" caliper tree for \$400 x 10 trees = \$4,000

6" caliper tree for \$800 x 10 trees = \$8,000

2" caliper tree is about 8-10 feet tall

6" caliper tree is about 20+ feet tall

Funding for the trees would come from Park Impact Fees.

Staff recommends the larger trees given the openness of the area.

Budget Impacts:

Park Impact Fund, 2" trees- \$4,000, 6" trees- \$8,000

Recommended Action:

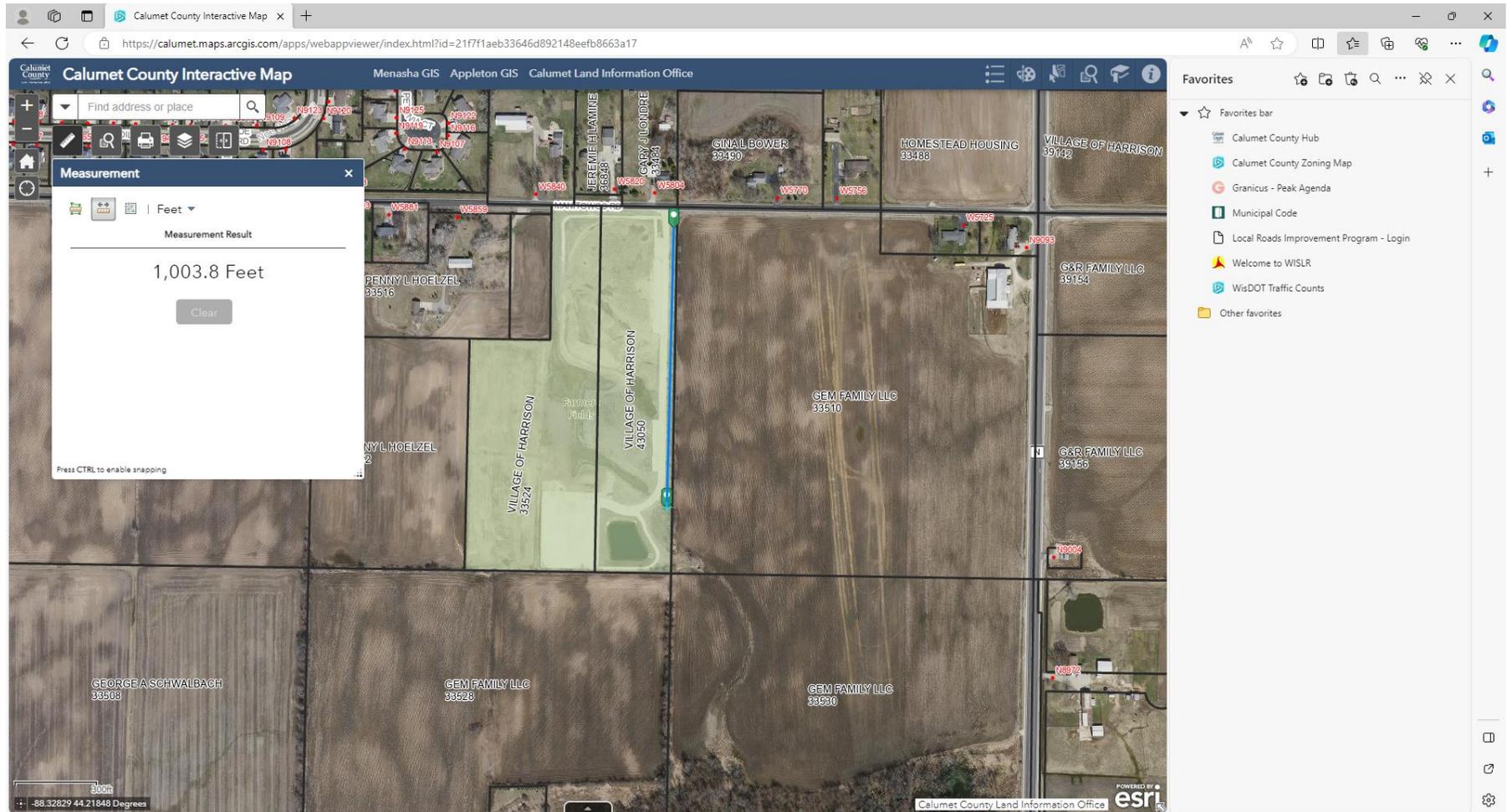
Motion as determined by the Board.

Attachments:

- [Farmers Field Tree Planting.pdf](#)
- [20231115_122808.jpg](#)
- [20231115_122908.jpg](#)

Farmers Field

Location of the Trees- 1,000 feet, east property line.







VILLAGE BOARD MEETING

VILLAGE OF HARRISON

From:

Matt Heiser, Village Manager

Meeting Date:

November 28, 2023

Title:

Update Wage Range for Seasonal Part-Time Employees in the DPW and HU

Issue:

What should the Village pay its seasonal staff?

Background and Additional Information:

During deliberations for the 2023 budget staff had proposed an additional full-time Laborer for Public Works. Board members preferred that the Village augment the wages for its seasonal employees to make those jobs more attractive. During the meeting held on October 20, 2022 the Board approved the following ranges for seasonal staff:

Winter Seasonal Staff: \$20.00 - \$22.00 per hour

Summer Seasonal Staff: \$18.00 - \$20.00 per hour

Village staff proceeded to fill roles in those ranges at that time. Employees who had been with the Village a long time were placed near the top of the ranges and new employees were placed at the bottom.

Staff raised the wages fifty cents per hour for all seasonal staff returning for work in 2023.

Now that we are looking forward to seasonal work in 2024 a couple of the employees are bumping up against the top of the range.

Public Works has two winter staff, one of which has been with the Village a long time and was paid \$22.00 per hour for the winter of 2022/2023. Thus staff are looking for direction to set wages for the winter seasonal employees as of January 1, 2024.

Public Works has four summer seasonal staff, one of which was paid \$20.00 per hour for the summer of 2023. Thus staff are looking for direction to set those wages for 2024 as well.

HU has one summer seasonal staff who was a new hire in 2023 and thus at the bottom of the scale.

Calumet County, just as a basis for reference, is currently advertising an opening for a Highway Maintenance Technician, as a Limited Term Employee (i.e. Seasonal for snow and ice removal) at \$30.00 per hour.

Budget Impacts:

TBD. This work is driven by weather conditions.

Recommended Action:

Staff recommends raising the top of the ranges \$2.00 per hour each for both Public Works and Harrison Utilities. Staff also recommends an annual increase in fifty cents per hour every year seasonal staff return to work for the Village or HU. At that rate the recommended range increase would cover the current workers another four years.

Winter: \$20.00 - \$24.00 per hour with a \$00.50 raise per hour each year they return.

Summer: \$18.00 - \$22.00 per hour with a \$00.50 raise per hour each year they return.

VILLAGE BOARD MEETING

VILLAGE OF HARRISON

From:

Chad Pelishek, Assistant Village Manager

Meeting Date:

November 28, 2023

Title:

Payment Request No. 5 (Final) for Midway Road Trail Construction Project from 2022.

Issue:

Should the Village Board approve the Final Payment Request for Midway Road Recreation Trail project?

Background and Additional Information:

Midway Road Recreation Trail project was a provided budgeted in 2022 Capital Outlay. Final work has been completed.

Budget Impacts:

This work is in the budget for 2022

Recommended Action:

Motion to approve Payment Request No. 5 (Final) for Midway Road Trail Construction Project.

Attachments:

- [Cert Pay 05 - Midway Road Recreation Trail.pdf](#)



November 2, 2023

Village of Harrison
W5298 Highway 114
Harrison, WI 54952

Re: Village of Harrison
Midway Road Recreation Trail Construction
Certificate for Payment #5-FINAL
McM. No. H0006-09-22-00258

Enclosed herewith is Certificate for Payment #5 for the above referenced project. This Certificate is issued to Michels Road & Stone, Inc. in the amount of \$10,000.00 for FINAL payment for work performed through October 31, 2023.

Please process the enclosed, and forward payment to Michels Road & Stone, Inc. Should you have any questions, please contact our office at your convenience.

Respectfully,

McMahon Associates, Inc.

Lee R. Reibold, P.E.
Associate / Municipal & Civil Engineer

LRR:mck

cc: Michels Road & Stone, Inc.

Enclosure: Certificate for Payment #5

W:\PROJECTS\H0006\092200258\Constr\Contract\Cert Payment\#5

**CERTIFICATE FOR
PAYMENT**

VILLAGE OF HARRISON
W5298 HWY 114
Harrison, WI 54952

Contract No. H0006-09-22-00258
Project File No. H0006-09-22-00258
Certificate No. Five (5) - FINAL
Issue Date: November 2, 2023
Project: Village of Harrison Midway Road
Recreation Trail Construction

This Is To Certify That, In Accordance With The Contract Documents Dated: May 18, 2022

MICHELS ROAD & STONE, INC.
817 Main Street
Brownsville, WI 53006

Is Entitled To FINAL Payment For Work Performed Through: October 31, 2023

- Contractor's Application For Payment Attached.
- Itemized Cost Breakdown Attached.

Original Contract	<u>\$565,100.50</u>	Completed To Date	<u>\$760,706.43</u>
Net Change Orders*	<u>\$195,605.93</u>	Retainage	<u>\$0.00</u>
Current Contract Amount	<u>\$760,706.43</u>	Subtotal	<u>\$760,706.43</u>
		Previously Certified	<u>\$750,706.43</u>

Amount Due This Payment: \$10,000.00

Please process and forward payment to MICHELS ROAD & STONE, INC.

Certified By:
McMAHON ASSOCIATES, INC.
Neenah, Wisconsin



Lee R. Reibold, P.E.
Associate / Municipal & Civil Engineer

VILLAGE OF HARRISON
 MIDWAY ROAD RECREATION TRAIL CONSTRUCTION
 FINAL SCHEDULE OF COSTS BASED UPON AS-CONSTRUCTED QUANTITIES
 McM No. H0006-09-22-00258

Base Bid:

Item	Description	Bid Qty	Unit	Unit Cost	Total Bid Cost	Payment Certificate #5		FINAL Contract		Difference	
						Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1	Clearing and grubbing	1	L.S.	\$1,000.00	\$ 1,000.00		\$ -	1	\$ 1,000.00	0	\$ -
2	Remove existing CMP culvert	1	EACH	\$200.00	\$ 200.00		\$ -	1	\$ 200.00	0	\$ -
3	Remove existing 18-inch RCP flared end sections	2	EACH	\$300.00	\$ 600.00		\$ -	2	\$ 600.00	0	\$ -
4	Remove existing 24-inch RCP culvert	60	L.F.	\$20.00	\$ 1,200.00		\$ -	60	\$ 1,200.00	0	\$ -
5	24-inch RCP storm sewer	56	L.F.	\$103.00	\$ 5,768.00		\$ -	437	\$ 45,011.00	381	\$ 39,243.00
6	24-inch RCP flared end section	1	EACH	\$1,075.00	\$ 1,075.00		\$ -	1	\$ 1,075.00	0	\$ -
7	18-inch RCP storm sewer	262	L.F.	\$80.00	\$ 20,960.00		\$ -	274	\$ 21,920.00	12	\$ 960.00
8	18-inch storm sewer	386	L.F.	\$99.00	\$ 38,214.00		\$ -	382	\$ 37,818.00	-4	\$ (396.00)
9	15-inch RCP storm sewer	37	L.F.	\$74.00	\$ 2,738.00		\$ -	37	\$ 2,738.00	0	\$ -
10	15-inch RCP flared end section	1	EACH	\$860.00	\$ 860.00		\$ -	1	\$ 860.00	0	\$ -
11	12-inch storm sewer	161	L.F.	\$75.00	\$ 12,075.00		\$ -	340	\$ 25,600.00	179	\$ 13,425.00
12	4-inch geotextile wrapped underdrain	350	L.F.	\$15.00	\$ 5,250.00		\$ -	325	\$ 4,875.00	-25	\$ (375.00)
13	6-inch storm sewer	188	L.F.	\$60.00	\$ 11,280.00		\$ -	187	\$ 11,220.00	-1	\$ (60.00)
14	6-inch cleanout	1	EACH	\$850.00	\$ 850.00		\$ -	1	\$ 850.00	0	\$ -
15	4-inch SCH 40 PVC storm sewer lateral	55	L.F.	\$55.00	\$ 3,025.00		\$ -	91	\$ 5,005.00	36	\$ 1,980.00
16	4-inch cleanout	2	EACH	\$750.00	\$ 1,500.00		\$ -	3	\$ 2,250.00	1	\$ 750.00
17	Connection to existing sump pump lateral	2	EACH	\$500.00	\$ 1,000.00		\$ -	3	\$ 1,500.00	1	\$ 500.00
18	Reconstruct existing 72-inch diameter storm sewer manhole	3.1	V.F.	\$1,250.00	\$ 3,875.00		\$ -	7.45	\$ 9,312.50	4.35	\$ 5,437.50
19	60-inch diameter storm sewer manhole	7.2	V.F.	\$1,050.00	\$ 7,560.00		\$ -	7.20	\$ 7,560.00	0.0	\$ -
20	48-inch diameter storm sewer manhole	14.7	V.F.	\$850.00	\$ 12,495.00		\$ -	18.87	\$ 16,039.50	4.17	\$ 3,544.50
21	Catch basin	7	EACH	\$2,100.00	\$ 14,700.00		\$ -	8	\$ 16,800.00	1	\$ 2,100.00
22	36-inch diameter yard drain	2	EACH	\$1,500.00	\$ 3,000.00		\$ -	2	\$ 3,000.00	0	\$ -
23	Common earthwork	1,650	C.Y.	\$10.00	\$ 16,500.00		\$ -	1,615.75	\$ 16,157.50	-34.25	\$ (342.50)
24	Pulverize existing asphalt pavement	2,550	S.Y.	\$1.00	\$ 2,550.00		\$ -	2,550	\$ 2,550.00	0	\$ -
25	Base aggregate dense, 3-inch for roadway	1,300	TONS	\$14.80	\$ 19,240.00		\$ -	1,301.09	\$ 19,256.13	1.09	\$ 16.13
26	Base aggregate dense, 1 1/4-inch for roadway	800	TONS	\$14.80	\$ 11,840.00		\$ -	1,690.36	\$ 27,977.33	1,090.36	\$ 16,137.33
27	30-inch concrete curb and gutter	1,650	L.F.	\$20.75	\$ 34,237.50		\$ -	2,353	\$ 48,824.75	703	\$ 14,587.25
28	30-inch mountable concrete curb and gutter	400	L.F.	\$20.75	\$ 8,300.00		\$ -	394	\$ 8,175.50	-6	\$ (124.50)
29	Fine grading of aggregate base course	4,000	S.Y.	\$2.40	\$ 9,600.00		\$ -	7,500	\$ 18,000.00	3,500	\$ 8,400.00
30	2 1/4-inch HMA Pavement 3 LT 58-28S	570	TONS	\$76.80	\$ 43,776.00		\$ -	570	\$ 43,776.00	0	\$ -
31	1 3/4-inch HMA Pavement 4 LT 58-28S	450	TONS	\$83.90	\$ 37,755.00		\$ -	450	\$ 37,755.00	0	\$ -
32	Base aggregate dense, 1 1/4-inch for trail	2,000	TONS	\$14.80	\$ 29,600.00		\$ -	2,357.74	\$ 34,894.55	357.74	\$ 5,294.55
33	3-inch HMA Pavement 4 LT 58-28S for trail	450	TONS	\$94.60	\$ 42,570.00		\$ -	461.63	\$ 43,670.20	11.63	\$ 1,100.20
34	6-inch concrete sidewalk	560	S.F.	\$9.00	\$ 5,040.00		\$ -	990	\$ 8,910.00	430	\$ 3,870.00
35	Detectable warning field, natural patina	80	S.F.	\$85.00	\$ 6,800.00		\$ -	134	\$ 11,390.00	54	\$ 4,590.00
36	Sawing asphalt	1,700	L.F.	\$0.01	\$ 17.00		\$ -	168	\$ 1.68	-1,532	\$ (15.32)
37	Lawn restoration	5,000	S.Y.	\$7.00	\$ 35,000.00		\$ -	5,735	\$ 40,145.00	735	\$ 5,145.00
38	Hydseed and mulch	5,000	S.Y.	\$3.63	\$ 18,150.00		\$ -	4,835	\$ 17,551.05	-165	\$ (598.95)
39	Seed Water (WisDOT Item 630.0500)	250	MGAL	\$1.00	\$ 250.00		\$ -	0	\$ -	-250	\$ (250.00)
40	Inlet protection	12	EACH	\$150.00	\$ 1,800.00		\$ -	14	\$ 2,100.00	2	\$ 300.00
41	Temporary ditch check	3	EACH	\$200.00	\$ 600.00		\$ -	4	\$ 800.00	1	\$ 200.00
42	Marking Line 4 Epoxy 4 Inch, WDOT Item 646.1020	960	L.F.	\$3.00	\$ 2,880.00		\$ -	2,645	\$ 7,935.00	1,685	\$ 5,055.00
43	Marking Crosswalk Epoxy Transverse Line, 6 Inch, WDOT Item 646.7420	140	L.F.	\$10.00	\$ 1,400.00		\$ -	490	\$ 4,900.00	350	\$ 3,500.00
44	Marking Stop Line Epoxy 18 Inch, WDOT Item 646.6120	30	L.F.	\$12.00	\$ 360.00		\$ -	49	\$ 588.00	19	\$ 228.00
45	Contractor quality control testing	1	L.S.	\$2,180.00	\$ 2,180.00		\$ -	1	\$ 2,180.00	0	\$ -
46	Traffic control	1	L.S.	\$31,740.00	\$ 31,740.00		\$ -	1	\$ 31,740.00	0	\$ -
Total Base Bid =						\$ 511,410.50	\$ -	\$ 645,611.69	\$ 134,201.19		

Supplemental Bid #1 (Pulverize & Pave south half of base bid)

Item	Description	Bid Qty	Unit	Unit Cost	Total Bid Cost	Payment Certificate #5		FINAL Contract		Difference	
						Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1	Pulverize existing asphalt pavement	2,550	S.Y.	\$1.00	\$ 2,550.00		\$ -	4,342.70	\$ 4,342.70	1,792.70	\$ 1,792.70
2	2 1/4-inch HMA Pavement 3 LT 58-28S	360	TONS	\$76.80	\$ 27,648.00		\$ -	603.50	\$ 46,348.80	243.50	\$ 18,700.80
3	1 3/4-inch HMA Pavement 4 LT 58-28S	280	TONS	\$83.90	\$ 23,492.00		\$ -	435.55	\$ 36,542.65	155.55	\$ 13,050.65
Total Supplemental Bid #1 =						\$ 53,690.00	\$ -	\$ 87,234.15	\$ 33,544.15		
Total Contract Cost (Base Bid + Supplemental Bid #1) =						\$ 565,100.50	\$ -	\$ 732,845.84	\$ 167,745.34		

Change Order Items:

Item	Description	Bid Qty	Unit	Unit Cost	Total Bid Cost	Payment Certificate #5		FINAL Contract		Difference	
						Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1.1	ADD Reset,Retie and Pour Concrete Collar @ (2) exist. RCP culverts (24+75)	1	L.S.	\$3,850.00	\$ 3,850.00		\$ -	1	\$ 3,850.00	0	\$ -
1.2	ADD Urbanizing Midway from Sta 5+15 to 12+15				\$ 185,330.40		\$ -	0	\$ -	0	\$ (185,330.40)
1.3	ADD Borrow from Sta 5+15 - 12+15	1,537	C.Y.	\$16.75	\$ 25,744.75		\$ -	1,537	\$ 25,744.75	0	\$ -
2.1	DEDUCT 30-inch Concrete Curb & Gutter (non-reinforced)		L.F.	-\$1.06	\$ -		\$ -	1,636	\$ (1,734.16)	1,636	\$ (1,734.16)
Total Change Order Items =						\$ 214,925.15	\$ -	\$ 27,860.59	\$ (187,064.56)		
Total Contract =						\$ 780,025.65	\$ -	\$ 760,706.43	\$ (19,319.22)		

Completed to Date =	\$ 760,706.43
Project Retainage =	\$ -
Subtotal =	\$ 760,706.43
Previously Certified =	\$ 760,706.43
Amount Due this Payment =	\$ 10,000.00



McMahon Associates, Inc.
 1445 McMahon Drive P.O. Box 1025
 Neenah, WI 54956 Neenah, WI 54957-1025
 Telephone: (920)751-4200
 FAX: (920)751-4284

APPLICATION FOR PAYMENT

(Owner)

PROJECT: Midway Road
 CONTRACTOR: Michels Road & Stone, Inc.
 Contract No.: MCM NO. H0006-09-22-00258
 Project No.: _____
 Application No.: 5 - Final Retainage
 Application Date: 10/31/2023
 Period From: 4/18/23 To 10/31/23

Application Is Made For Payment In Connection With The Above Contract.

The following documents are attached:

- Schedule Of Values
- Schedule Of Unit Prices
- Inventory Of Stored Materials

The Present Status Of The Account For This Contract Is As Follows:

Original Contract	<u>\$ 565,100.50</u>	Completed To Date	<u>\$</u>
Net Change Orders	<u>\$ 214,925.15</u>	Retainage <u>0</u> %	<u>\$</u>
Current Contract Amount	<u>\$ 780,025.65</u>	Subtotal	<u>\$</u>
		Previous Applications	<u>\$</u>

Amount Due This Application: \$ 10,000.00

The undersigned Contractor hereby swears, under penalty of perjury, that (1) All previous progress payments received from the Owner, on account of work performed under the Contract referred to above, have been applied by the undersigned to discharge in full all obligations of the undersigned incurred in connection with work covered by prior Applications For Payment under said Contract, being Applications For Payment numbered 1 through _____ inclusive; and 2) All materials and equipment incorporated in said project or otherwise listed in or covered by this Application For Payment are free and clear of all liens, claims, security interests and encumbrances.

Dated October 31 20 23 Michels Road + Stone Inc
 (contractor)

By [Signature] Ben Holz
 (name & title) General Manager

COUNTY OF Dodge
 STATE OF Wisconsin } ss
 Before me on this 31st day of October 20 23 personally appeared Ben Holz
General Manager known to me, who being duly sworn, did depose and say that he/she is the _____
 (title) of the Contractor above mentioned; that he/she

executed the above Application For Payment and statement on behalf of said Contractor; and that all of the statements contained therein are true, correct and complete,

My Commission Expires: March 29, 2027

Amanda Saegert
 (Notary Public)

