



## **Hermantown City Council Meeting – March 21, 2022**

Because of attendance considerations at the regular meeting location due to the health pandemic, Hermantown's upcoming, City Council Meeting will be conducted both remotely and with in-person access to Council Chambers.

The City Council meeting will utilize the platform "Zoom," which allows the public to view and/or hear the meeting from their phone or computer. Interested parties can also choose to attend the City Council Meeting in person at City Hall. Current Minnesota Department of Health guidelines regarding the health pandemic will be observed during this meeting.

The 6:30 p.m. City Council Meeting will be available at:

<https://us02web.zoom.us/j/89427926114?pwd=VERySW5HSWNpeGtGcG43NWZtcnVBQT09>

and/or by calling the number (312) 626-6799 and utilizing the meeting ID number of 894-2792-6114 and the passcode of 614195.

Public comment may be possible, but difficult, during the meeting, but any public comments, questions, or concerns can be e-mailed to Community Engagement Manager, Joe Wicklund, at [jwicklund@hermantownmn.com](mailto:jwicklund@hermantownmn.com) up to 3:30 p.m. the day of the meeting with the e-mail title "City Council Meeting." It is important to note that all comments regarding this meeting are public data.

A few important tips regarding the Zoom platform:

- If your computer does not support audio, you can still watch the meeting on your computer and call in on your phone to hear the meeting
- It is a challenging situation for all, so grace and understanding are appreciated

The 4:30 p.m. Pre-Agenda Meeting will be available in-person only at City Hall. Public comment is not a factor in the pre-agenda meeting, but the meeting is open and members of the public are invited and welcome to attend to this meeting. Attendees of the Pre-Agenda Meeting should expect to follow the current social distancing and mask guidelines.



## **AGENDA**

### **Pre-Agenda Meeting Monday, March 21, 2022 at 4:30 p.m. Council Chambers City Hall - Hermantown Governmental Services Building**

**Pre-agenda:** The Pre-agenda meeting is a work session between the City Council and City staff to review the upcoming City Council meeting and future meetings. The agenda is the same document as the upcoming City Council meeting, but does not follow the same format as the City Council meeting. It is a time for the City Council and City staff to have discussions about the agenda items, and asking and answering questions. Traditionally it is not a time for public comment on the agenda items, as the public can listen to the conversation and ask questions or provide input at the upcoming City Council meeting.

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### **City Council Meeting March 21, 2022 at 6:30 p.m. Council Chambers City Hall - Hermantown Governmental Services Building**

#### **Invitation to participate:**

The Hermantown City Council welcomes your thoughts, input and opinions to this meeting. The agenda for this meeting contains a brief description of each item to be considered, and the City Council encourages your participation. If you wish to speak on an item contained in the agenda, you will be allowed to address the Council when a motion is on the floor. If you wish to speak on a matter that does not appear on the agenda, you may do so during the public comment period regularly scheduled and set for the beginning of the meeting.

When addressing the City Council, please state your name and address for the record. Please address the City Council as a whole through the Mayor. Comments to individual Council Members or staff are not permitted. Speakers will be limited to three (3) minutes.

#### **Order of discussion**

- 1. Reading of the resolution title by Mayor**
- 2. Motion/Second**
- 3. Staff Explanation**
- 4. Initial Discussion by City Council**
- 5. Mayor invites public to speak to the motion (3-minute rule)**
- 6. Follow up staff explanation and/or discussion by City Council**
- 7. Call of the vote**

**CITY OF HERMANTOWN  
AGENDA**

**Pre-Agenda Meeting Monday, March 21, 2022 at 4:30 p.m.  
Council Chambers  
Hermantown Governmental Services Building**

**City Council Meeting March 21, 2022 at 6:30 p.m.  
Council Chambers  
Hermantown Governmental Services Building**

1. **CALL TO ORDER**
2. **PLEDGE OF ALLEGIANCE**
3. **ROLL CALL**
4. **ANNOUNCEMENTS** *(Council Members may make announcements as needed.)*
5. **PUBLIC HEARING** – *(Only when necessary. The rule adopted three minutes per person if necessary. Any action required after the public hearing will be taken immediately following the closing of the public hearing.)*
6. **COMMUNICATIONS**
  - A. **Correspondence** 22-28 through 22-30 placed on file
  - B. **22-28** Jim Crace, Chief of Police  
TO: Mayor & City Council  
RE: 2021 Archery Deer Season - Report
7. **PRESENTATIONS** *(Department Heads may give reports if necessary.)*
  - A. Jim Crace, Chief of Police *(Pre-Agenda Only)*  
RE: HPD Annual Report
  - B. John Mulder, City Administrator *(Pre-Agenda Only)*  
RE: Discussion of Sewer Availabilities
8. **PUBLIC DISCUSSION** *(This is the time for individuals to address the Council about any item not on the agenda. The time limit is three minutes per person.)*
9. **CONSENT AGENDA** *(All items on the Consent Agenda are items which are considered routine by the City Council and will be approved by one motion via voice vote. There will be no discussion of these items unless a Council Member or citizen so requests, in which event the item will be removed from the Consent Agenda and considered at the end of the Consent Agenda.)*
  - A. **Minutes** - Approval or correction of March 7, 2022 City Council Continuation Minutes

- B.     **Accounts Payable**** – Approve general city warrants from March 1, 2022 through March 15, 2022 in the amount of \$355,172.57

(motion, roll call)

**10.    **MOTIONS****

- A.**    Motion to appoint Dante Tomassoni to the Planning & Zoning Commission for a three-year term effective immediately.

(motion, roll call)

**11.    **ORDINANCES****

- A.     **2022-02****         An Ordinance Of The City Of Hermantown, Minnesota, Amending The City Code, Section 210, Council, To Increase The Reimbursement for Phone & Internet Stipend Of The Mayor And Council Members

Second Reading

(motion, roll call)

- B.     **2022-03****         An Ordinance Amending Chapter 5, Alcoholic Beverages, Of The Hermantown City Code By Modifying The Rules Governing The Perimeter Of The Exterior Licensed Space

First Reading

- C.     **2022-04****         An Ordinance Amending Section 1020, Design Standards, Of The Hermantown Zoning Code

First Reading

**12.    **RESOLUTIONS**** *(Roll call will be taken only on items required by law and items requiring 4/5's votes, all others can be done by voice vote.)*

- A.     **2022-30****         Resolution Approving An Amendment To The City Handbook Regarding A Sewer Availability Policy

(motion, roll call)

- B.     **2022-34****         Resolution Authorizing And Directing Mayor And City Clerk To Execute An Acceptance Of Easement Agreement To The City Of Hermantown From Paul And Sara Fitzgerald For The Ugstad Road And Arrowhead Road Improvement

(motion, roll call)

- C.     **2022-35****         Resolution Awarding Contract For 2023 Western Star 47x Chassis In The Amount Of \$135,252.00 Plus Applicable Taxes And Fees

(motion, roll call)

**D. 2022-36**      Resolution Providing A Grant To The Hermantown Youth Soccer Association

(motion, roll call)

**13. CLOSED SESSION**

The City Council of the City of Hermantown will meet in closed session pursuant to Minnesota Statutes § Section 13D.05 Subd. 3(a) to discuss the City Administrator's performance evaluation. Following this closed session, the council will re-convene in open session pursuant to the posted agenda for that date and time and during such open session summarize its conclusions regarding the evaluation.

**14. RECESS**

**Date:** March 16, 2022  
**To:** City Council  
**From:** John Mulder, City Administrator  
**RE:** Correspondence

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In your agenda packet is a correspondence summary log. This briefly summarizes and assigns a log number for written correspondence received at City Hall.

You are provided with the summary so that you may request a full copy of any correspondence article of interest to you.


I have included in the agenda packet only the correspondence that we believe to be of special interest.

## 2022 CORRESPONDENCE

<u>DATE</u>	<u>LOG #</u>	<u>FROM</u>	<u>TO</u>	<u>REGARDING</u>	<u>FILED</u>
3/3/2022	22-28	Mayor & City Council	Jim Crace, Chief of Police	2021 Archery Deer Season	1/11/2022
3/8/2022	22-29	Robert Smude, MN Dept. of Health	City Council & Jackie Dolentz, City Clerk	Getchell Utility Extension	2/14/2022
3/8/2022	22-30	Marianne Bohren, WLSSD	John Mulder, City Administrator	Sanitary Sewer Extension - Getchell Rd.	3/2/2022

<b>HERMANTOWN POLICE DEPARTMENT</b>
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# Memo

**To:** Hermantown City Council & Mayor Boucher  
**From:** Jim Crace, Chief of Police   
**CC:** City Administrator – John Mulder  
**Date:** 01/11/2022  
**Re:** 2021 Archery Deer Season – Report

Per Hermantown Ordinance 740.04, "the Chief of Police shall provide a yearly report to the City Council with respect to the operation and effect of the past archery deer season."

In 2021, there were 113 archery permits issued for the Hermantown Archery Deer Hunt. This is a decrease from the 2020 hunt, when 134 permits were issued. Of the 113 permits issued in 2021, two were issued as "Youth Permits," which are issued free of charge to hunters under the age of 14 that are hunting with a permitted adult. (See attached chart for historical statistics on the number of permits issued per year).

In 2021, 32 deer were reported to the Hermantown Police Department as being harvested. This is a decrease from the 2020 hunt, when 44 deer were reported. Of the 32 deer harvested, 29 of them were does or antlerless males, which is a 19.45% decrease from the 2020 hunt, and 3 of them were bucks, which is a decrease of 62.5%. The total number of hunters taking a deer in the 2021 hunt was 29. (See attached chart for historical statistics on the number of deer harvested per year).

The following charts illustrate deer taken information for the 2021 archery season.

DEER TAKEN BY TIME (HOUR PERIODS)	
0600	0
0700	1
0800	5
0900	2
1000	0
1100	2
1200	0
1300	1
1400	1
1500	2
1600	5
1700	6
1800	7
1900	0
Unknown	0

DEER TAKEN WEIGHTS	
Lowest	80
Highest	200
Average	131

DEER TAKEN BY MONTH	
September	8
October	9
November	11
December	4



The following chart will indicate the deer taken by city section and within subdivisions.

SECTION	DEER TAKEN	Taken in Subdivision
1		
2		
3	1	
4		
5		
6		
7		
8	3	
9		
10	2	2
11		
12		
13		
14		
15	2	1
16		
17		
18	2	1
19	2	
20	2	
21	1	
22		
23	1	
24	1	
25		
26	5	
27		
28		
29		
30	1	
31		
32		
33	1	
34	5	
35		
36	3	
Unknown		
TOTALS	32	4

There were no notable archery-related incidents this season.

CITY OF HERMANTOWN  
CITY COUNCIL MEETING  
March 7, 2022  
6:30 p.m.

## MEETING CONDUCTED IN PERSON & VIA ZOOM

### PLEDGE OF ALLEGIANCE

**ROLL CALL:** Councilors Geissler, Hauschild, Nelson, Peterson, Mayor Boucher

**CITY STAFF:** John Mulder, City Administrator; Jackie Dolentz, City Clerk; Eric Johnson; Community Development Director; Joe Wicklund, Communications Manager; David Bolf, City Engineer; Gunnar Johnson, City Attorney

**ABSENT:** None

**VISITORS:** 3

### ANNOUNCEMENTS

Councilor Peterson congratulated the boys' hockey team on a great season and wishes them luck at the state hockey tournament this week.

Councilor Geissler inquired about the wording on Ordinances 1020.03.10 and 1020.04.01 for possible conflicting statements. Staff input and wording changes needed to ensure that the Ordinance wording equals the intention.

Councilor Geissler mentioned that in a recent Associated General Contractors alert, construction inflation has risen over 20%.

Councilor Geissler lead a discussion on the salaries for recently posted positions and the process for salary review. A comparison to other communities such as Cloquet, Hibbing and Virginia was discussed.

Councilor Hauschild lead a discussion on the upcoming Duluth & St. Louis at the Capitol Days which is later this week. Several members of the Council and Administration will be attending. Talking points, possible LGA formula funding and referendum language were all discussed.

Attorney Gunnar updated the Council on the ballot question design. Current law states three separate questions are required. Draft questions will be shared with the Council.

Mayor Boucher congratulated the girls' hockey on a great season this year! Winter sports are wrapping up with spring sports starting.

### PUBLIC HEARING

### COMMUNICATIONS

Communications 22-23 through and including 22-27 were read and placed on file.

Communication 22-26 from John Mulder, City Administrator, to Mayor & City Council regarding the 2021 wastewater treatment year-end adjustments.

Communication 22-27 from Paul Sens, Public Works Director, to Mayor & City Council regarding the upcoming St. Louis County road projects for 2022-2025.

## **PRESENTATIONS**

## **PUBLIC DISCUSSION**

## **CONSENT AGENDA**

Motion made by Councilor Hauschild, seconded by Councilor Geissler, to approve the Consent Agenda which includes the following items:

- A. Approve February 22, 2022 City Council Continuation Minutes
- B. Approve general city warrants from February 16, 2022 through February 28, 2022 in the amount of \$419,854.99

Roll Call: Councilors Geissler, Hauschild, Nelson, Peterson, Mayor Boucher, aye. Motion carried.

## **MOTIONS**

## **ORDINANCES**

**2022-02**      An Ordinance Of The City Of Hermantown, Minnesota, Amending The City Code, Section 210, Council, To Increase The Salaries Of The Mayor And Council Members

Motion made by Councilor Hauschild, seconded by Councilor Nelson, to amend the Ordinance to keep the monthly compensation the same and increase the monthly phone and internet reimbursement to \$75 per month. Roll Call: Councilors Geissler, Hauschild, Nelson, Peterson, Mayor Boucher, aye. Motion carried.

First Reading

## **RESOLUTIONS**

**2022-29**      Resolution Approving Requests For Proposals (“RFP”) For Consulting Engineer For The Preparation Of A Water Distribution Evaluation And Modeling Report

Motion made by Councilor Geissler, seconded by Councilor Peterson, to adopt Resolution 2022-29 Resolution Approving Requests For Proposals (“RFP”) For Consulting Engineer For The Preparation Of A Water Distribution Evaluation And Modeling Report. Roll Call: Councilors Geissler, Hauschild, Nelson, Peterson, Mayor Boucher, aye. Motion carried.

**2022-30**      Resolution Approving An Amendment To The City Handbook Regarding A Sewer Availability Policy

Motion made by Councilor Geissler, seconded by Councilor Nelson, to table Resolution 2022-30 Resolution Approving An Amendment To The City Handbook Regarding A Sewer Availability Policy. Motion carried unanimously on a voice vote.

**2022-31**      Resolution Approving Requests For Proposals (“RFP”) For Construction Manager At Risk For The Hermantown Recreation Initiative Area

Motion made by Councilor Peterson, seconded by Councilor Hauschild, to adopt as amended with items discussed in the Pre-Agenda meeting, Resolution 2022-31, Resolution Approving Requests For Proposals (“RFP”) For Construction Manager At Risk For The Hermantown Recreation Initiative Area. Roll Call: Councilors Geissler, Hauschild, Nelson, Peterson, Mayor Boucher, aye. Motion carried.

**2022-32**      Resolution Approving Preliminary And Final Plat Of Crystal Estates And Imposing Conditions On The Final Plat

Motion made by Councilor Geissler, seconded by Councilor Peterson, to adopt Resolution 2022-32 Resolution Approving Preliminary And Final Plat Of Crystal Estates And Imposing Conditions On The Final Plat. Roll Call: Councilors Geissler, Hauschild, Nelson, Peterson, Mayor Boucher, aye. Motion carried.

**2022-33**      Resolution Reestablishing Precincts And Polling Places For The City Of Hermantown

Motion made by Councilor Peterson, seconded by Councilor Nelson, to adopt Resolution 2022-33 Resolution Reestablishing Precincts And Polling Places For The City Of Hermantown. Roll Call: Councilors Geissler, Hauschild, Nelson, Peterson, Mayor Boucher, aye. Motion carried.

Motion made by Councilor Hauschild, seconded by Geissler, to recess the meeting at 7:28 p.m. Motion carried.

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Mayor

ATTEST:

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City Clerk

**CITY OF HERMANTOWN**

CHECKS #68525-68563  
03/01/2022-03/15/2022

PAYROLL CHECKS

Electronic Checks - #-69619-69657 \$72,322.46

Electronic Checks - #-69617-69618 \$3,618.63

LIABILITY CHECKS

Electronic Checks - #-69658-69569 \$81,917.86

Electronic Checks - #-69612-69616 \$57,753.80

Check - #68561-68562 \$2,207.40

**PAYROLL EXPENSE TOTAL \$217,820.15**

ACCOUNTS PAYABLE

Check - #68525-68560 \$114,612.90

Check - #68563 \$5.31

Electronic Payments #-99789 \$2,269.71

Electronic Payments #-99791-99795 \$20,464.50

**ACCOUNTS PAYABLE TOTAL \$137,352.42**

**TOTAL \$355,172.57**

3/8/2022

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Fun d	Account	Department	Vendor Name	Description	Amount	Check #
101	421100	Police Administration	CW TECHNOLOGY GROUP INC	Support for Tyler RMS Switch O	4,725.02	-99795
602	494900	Sewer Administration and General	GOPHER STATE ONE-CALL INC	Feb 22 Locates	8.64	-99794
601	494400	Water Administration and General	GOPHER STATE ONE-CALL INC	Feb 22 Locates	12.96	-99794
101	419901	City Hall & Police Building Maintenance	HARTEL'S/DBJ DISPOSAL CO LLC	Garbage Recycling February	128.69	-99793
101	217450	Employee Flexplan	FURTHER ELECTRONIC PAYMENTS	Claim Reimbursement - Electron	848.73	-99792
601	494400	Water Administration and General	MN ENERGY RESOURCES CORP	Natural Gas Lightning Dr	787.55	-99791
275	452200	Community Building	MN ENERGY RESOURCES CORP	Natural Gas EWC	4,344.55	-99791
101	431901	City Garage	MN ENERGY RESOURCES CORP	Natural Gas old CH	142.39	-99791
602	494900	Sewer Administration and General	MN ENERGY RESOURCES CORP	Natural Gas Lightning Dr	492.22	-99791
101	431901	City Garage	MN ENERGY RESOURCES CORP	Natural Gas Lightning Dr	689.11	-99791
101	452200	Community Building	MN ENERGY RESOURCES CORP	Natural Gas old CH	1,281.55	-99791
101	419901	City Hall & Police Building Maintenance	MN ENERGY RESOURCES CORP	Natural Gas CH/PD	2,050.30	-99791
101	419901	City Hall & Police Building Maintenance	MN ENERGY RESOURCES CORP	Natural Gas -CH/PD	2,100.83	-99791
101	422901	Firehall #1 Maple Grove Road	MN ENERGY RESOURCES CORP	Natural Gas -FH#1	2,567.68	-99791
101	431901	City Garage	MN ENERGY RESOURCES CORP	Natural Gas Comm Building	284.28	-99791
101	134000	Retiree Insurance/Telephone Reimb.	NORTHEAST SERVICE COOPERATIVE	Health Ins March-Inactives	873.65	-99789
101	421100	Police Administration	NORTHEAST SERVICE COOPERATIVE	Health Ins March-Inactives	1,396.06	-99789
101	421100	Police Administration	BRAY & REED LTD.	Prosecution Services Jan 2022	4,500.00	68525
101	431100	Street Department	CENTRAL PENSION FUND	Training Per Contract	46.05	68526
601	494300	Water Distribution	CENTRAL PENSION FUND	Training Per Contract	46.05	68526
602	494500	Sewer Maintenance	CENTRAL PENSION FUND	Training Per Contract	46.05	68526
101	422903	Firehall #3 Midway Road	CENTURYLINK	Internet FH #3	79.98	68527
101	431100	Street Department	CINTAS CORPORATION	Uniforms	26.76	68528
101	431100	Street Department	CINTAS CORPORATION	Uniforms	10.80	68528
101	431901	City Garage	CINTAS CORPORATION	Mats at PW	11.08	68528
101	431901	City Garage	CINTAS CORPORATION	Supplies	22.50	68528
101	419901	City Hall & Police Building Maintenance	CINTAS CORPORATION	Mats at FD/PD	30.72	68528
101	431901	City Garage	CINTAS CORPORATION	Mats at PW	29.56	68528
101	419901	City Hall & Police Building Maintenance	CINTAS CORPORATION	Mats at CH	8.88	68528
101	431901	City Garage	CINTAS CORPORATION	Supplies	37.50	68528
101	431100	Street Department	CINTAS CORPORATION	Uniforms	10.80	68528
101	431100	Street Department	CINTAS CORPORATION	Uniforms	26.76	68528
230	465100	HEDA	CREATIVE ARCADE	Website Monthly Maintenance	250.03	68529
101	431100	Street Department	CRYSTEEL TRUCK EQUIPMENT	H-4 Wing Bolt	82.43	68530
101	419901	City Hall & Police Building Maintenance	DALCO	Kleenex Towels	112.16	68531
101	419901	City Hall & Police Building Maintenance	DALCO	Kleenex/TP	120.36	68531
101	419901	City Hall & Police Building Maintenance	DALCO	Kleenex, TP, Gloves	140.07	68531
101	415300	Administration & Finance	DOLENTZ, JACKIE	Mileage Reimbursement	19.89	68532

Fun d	Account	Department	Vendor Name	Description	Amount	Check #
101	415300	Administration & Finance	GOVT FINANCE OFFICERS ASSOCIATION	Annual Conference-Kevin Orme	475.00	68533
101	431100	Street Department	H & L MESABI	Wrong Bolt size - returned all	-75.60	68534
101	431100	Street Department	H & L MESABI	Cutting Edge Blades	170.00	68534
101	431100	Street Department	HERMANTOWN HYDRAULICS	Hose-JD Tractor	106.75	68535
101	431100	Street Department	HERMANTOWN HYDRAULICS	Hose & Fittings-H4	116.53	68535
101	431100	Street Department	HERMANTOWN HYDRAULICS	Hose Couplers	15.60	68535
101	421100	Police Administration	HOLIDAY COMPANIES	Feb Car Washes	10.00	68536
230	465100	HEDA	HTB PROJECT NAVIGATION, LLC	Proposed Hermantown Business P	500.00	68537
101	415300	Administration & Finance	INNOVATIVE OFFICE SOLUTIONS, LLC	Toner	91.39	68538
101	431100	Street Department	INTER CITY OIL CO INC	Fuel	7,414.98	68539
101	431100	Street Department	LINDE GAS & EQUIPMENT INC.	CylRent/SafeEnvfee 01/22-02/22	49.66	68540
101	431901	City Garage	MENARD INC	Splash	38.87	68541
101	431100	Street Department	MENARD INC	Sand Bags for Temp Signs	43.90	68541
101	419901	City Hall & Police Building Maintenance	MENARD INC	Ice Melt	19.97	68541
101	419901	City Hall & Police Building Maintenance	MENARD INC	Brush, Hanger, Anchor, Battery	21.83	68541
101	431901	City Garage	MENARD INC	Clock	37.98	68541
101	421100	Police Administration	METRO SALES INC	Copier Lease	342.19	68542
101	431100	Street Department	NAPA AUTO PARTS	Window De-Ice Fluid	41.94	68543
101	431100	Street Department	NAPA AUTO PARTS	Fuel Filter & Blades - JD310	43.67	68543
101	431100	Street Department	NAPA AUTO PARTS	Wiper Blades - H0	51.96	68543
101	431100	Street Department	NORTHERN DOOR & HARDWARE INC	Keys-Back Garage at CH	15.00	68544
101	431100	Street Department	NORTHERN ENGINE & SUPPLY INC	Front Wheel Cap Plugs-Tandems	9.00	68545
101	431901	City Garage	NORTHERN STATES SUPPLY INC	Ratchet Wrench Shop Set	17.63	68546
101	431901	City Garage	NORTHERN STATES SUPPLY INC	Screw Extractor Set-Shop	37.97	68546
475	431150	Street Improvements	NORTHLAND CONSULTING ENGINEERS L.L.P.	Richard Lindgren - SAP 202-080	13,353.00	68547
240	432510	Trunk Sewer Construction	NORTHLAND CONSULTING ENGINEERS L.L.P.	Hermantown Trunk Sewer Spur Se	1,425.00	68547
101	419100	Community Development	NORTHLAND CONSULTING ENGINEERS L.L.P.	Getchell - Radar Road Developm	560.00	68547
602	494900	Sewer Administration and General	NORTHLAND CONSULTING ENGINEERS L.L.P.	Update Construction Standards	992.00	68547
601	494400	Water Administration and General	NORTHLAND CONSULTING ENGINEERS L.L.P.	Update Construction Standards	992.00	68547
230	465100	HEDA	NORTHLAND CONSULTING ENGINEERS L.L.P.	Highway 53 Business Park	1,500.00	68547
475	431100	Street Department	NORTHLAND CONSULTING ENGINEERS L.L.P.	10 Year RIP	960.00	68547
402	431150	Street Improvements	NORTHLAND CONSULTING ENGINEERS L.L.P.	Ugstad Rd - SP 202-101-014	8,010.00	68547
601	494400	Water Administration and General	NORTHLAND CONSULTING ENGINEERS L.L.P.	Water System Modeling	195.00	68547
240	433200	Water Tower	NORTHLAND CONSULTING ENGINEERS L.L.P.	Water Tower RFP	1,140.00	68547
101	431100	Street Department	POMP'S TIRE SERVICE INC	Tire Repair-H4	771.90	68548
245	456201	Broadband	PROCTOR JOURNAL	Broadband Internet Survey Ad	518.00	68549
460	465100	HEDA	ST LOUIS COUNTY AUDITOR	2021-TIF Maintenance Charge	494.30	68550
245	419901	City Hall & Police Building Maintenance	STACK BROS MECHANICAL, INC.	Infiltration System for COVID	6,720.00	68551

3/8/2022

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Fun d	Account	Department	Vendor Name	Description	Amount	Check #
101	419901	City Hall & Police Building Maintenance	STACK BROS MECHANICAL, INC.	Repair Leak at Coil & Control	443.64	68551
101	419901	City Hall & Police Building Maintenance	STACK BROS MECHANICAL, INC.	Replace Valve Motor - CH	769.04	68551
101	422902	Firehall #2 Morris Thomas Road	SUPERIOR FUEL COMPANY	Propane FH #2	910.08	68552
101	422903	Firehall #3 Midway Road	SUPERIOR FUEL COMPANY	Propane FH #3	855.52	68552
101	452200	Community Building	SUPERIOR GLASS INC	Window Repair-Old CH	436.00	68553
101	431100	Street Department	TELCOLOGIX	March 2022 Maintenance	16.75	68554
101	452200	Community Building	TELCOLOGIX	March 2022 Maintenance	10.05	68554
101	419901	City Hall & Police Building Maintenance	TELCOLOGIX	March 2022 Maintenance	237.85	68554
101	422901	Firehall #1 Maple Grove Road	TELCOLOGIX	March 2022 Maintenance	70.35	68554
101	415300	Administration & Finance	TOSHIBA FINANCIAL SERVICES	Copier Lease Toshiba	145.57	68555
101	419901	City Hall & Police Building Maintenance	UHL COMPANY INC	VAV Service Call	2,240.39	68556
101	419901	City Hall & Police Building Maintenance	UHL COMPANY INC	AHU Service Call	370.00	68556
101	419901	City Hall & Police Building Maintenance	UHL COMPANY INC	Boiler Service Call	650.00	68556
101	419901	City Hall & Police Building Maintenance	UHL COMPANY INC	AHU2 Control Service Call	177.00	68556
101	419901	City Hall & Police Building Maintenance	UHL COMPANY INC	AUH2 Service Call	810.00	68556
101	134000	Retiree Insurance/Telephone Reimb.	VATNE, NEIL	Life Ins Overpayment in 2021	2.70	68557
101	431100	Street Department	VIKING INDUSTRIAL CENTER	Temp Stop Sign Post Mat'l	3,127.68	68558
101	431100	Street Department	WINTER EQUIPMENT COMPANY	Plow Cutting Edges-Loader & M	2,822.43	68559
602	494500	Sewer Maintenance	WLSSD	Wastewater Charges	47,632.00	68560
101	134000	Retiree Insurance/Telephone Reimb.	MN LIFE	Vatne Life Insurance-Inactive	5.31	68563

Totals: 96 records printed

137,352.42



**TO:** Mayor & City Council  
**FROM:** John Mulder, City Administrator  
**DATE:** March 16, 2022  
**SUBJECT:** Mayor/City Council  
Compensation



**Meeting Date:** 03/21/2022

**Agenda Item:** 11-A

**Ordinance:** 2022-02

---

## REQUESTED ACTION

**Second** reading of an ordinance changing the phone and internet stipend for the Mayor and City Council members.

---

## BACKGROUND

The City Council decided to keep their compensation the same, but increase the monthly phone and internet stipend. The Ordinance has been updated to reflect this change.

City	Mayor	Council	Notes
Proctor	\$600 per month	\$400 per month	
Virginia	\$500 per month	\$300 per month	they get \$200 per month for a meeting attendance fee
Hibbing	\$900 per month	\$600 per month	
Cloquet	\$500 per month	\$400 per month	the mayor gets an extra \$300 and the council an extra \$200 for meeting fees
Rice Lake	\$75 per meeting;	\$65 per meeting	
Hermantown	\$800 per month	\$600 per month	

As an FYI, the last time compensation for the Council and Mayor was changed was effective on January 1, 2015. If we applied the same percentage increases as the employees, the Mayor's compensation would be \$939, and the City Council's would have increased to \$705.

---

## SOURCE OF FUNDS (if applicable)

101-411100-103

---

## ATTACHMENTS

Memo from City Attorney on process.

Ordinance No. 2022-02

The City Council of the City of Hermantown does ordain:

**AN ORDINANCE OF THE CITY OF HERMANTOWN, MINNESOTA,  
AMENDING THE CITY CODE, SECTION 210, COUNCIL,  
TO INCREASE THE SALARIES REIMBURSEMENT FOR PHONE AND INTERNET  
STIPEND OF THE MAYOR AND COUNCIL MEMBERS**

**Section 1.** Purpose and Intent. The purpose and intent of this Ordinance is to update the City Code by amending the ~~compensation~~ phone and internet stipend for elected officials to an amount that is comparable to neighboring cities and jurisdictions.

**Section 2.** Amendment to Section 210. Section 210, Council, of the Hermantown City Code is hereby amended to read as follows:

**210.01.3.1 Reimbursement for phone and internet.** In lieu of reimbursement for cell phones and internet, the Mayor and each Council member will receive an additional stipend of ~~\$35~~ \$75 per month.”

**Section 3.** Statutory Authority. The provisions of this Ordinance are authorized by Minnesota Statutes Section § 415.11.

**Section 4.** Amended and Inserted in the Code. After the amendment made by this ordinance becomes effective, it shall be inserted in the appropriate place in the Hermantown City Code.

**Section 5.** Effective Date. This Ordinance shall be effective after (a) its passage; (b) approval by the Mayor; (c) publication once in the legal newspaper of the City of Hermantown; and (d) ~~the next municipal election on November 8, 2022~~ January 1, 2023.

*Deleted language is struck out and added language is underlined.*

Dated the \_\_\_\_\_ day of \_\_\_\_\_, 2022.

\_\_\_\_\_  
Mayor

ATTEST:

\_\_\_\_\_  
City Clerk

Adopted: \_\_\_\_\_

Published: \_\_\_\_\_

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

**TO:** Mayor & City Council

**FROM:** John Mulder, City Administrator



**DATE:** March 16, 2022

**Meeting Date:** 03/21/2022

**SUBJECT:** Outside Liquor Sales

**Agenda Item:** 11-B

**Ordinance:** 2022-03

---

## REQUESTED ACTION

Update the ordinances related to outdoor service areas for liquor.

---

## BACKGROUND

During the Governor' emergency orders for COVID, the requirements for outside liquor sales were relaxed to permit greater outside sales. Those relaxed standards were no longer in effect once the emergency orders were lifted in November 2021.

Under current City ordinances, establishments must have a permanency structure of at least 6-foot perimeter around any outside service areas. Staff reviewed that requirement when the emergency order was lifted, and felt that the practices under the COVID restrictions did not cause problems or concerns.

For safety reasons, staff does believe that some kind of barrier should be around the service area, there should be a single point of entry to the area, and license holders should clearly indicate the area on their license application.

A draft of this ordinance was sent out to all license holders with an invitation to meet to discuss and ask questions at a meeting on March 1<sup>st</sup>. Only one license holder attended the meeting, and they were in favor of the change.

---

## SOURCE OF FUNDS (if applicable)

N/A

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## ATTACHMENTS

Ordinance

The City Council of the City of Hermantown does ordain:

**AN ORDINANCE AMENDING CHAPTER 5, ALCOHOLIC BEVERAGES, OF THE HERMANTOWN CITY CODE BY MODIFYING THE RULES GOVERNING THE PERIMETER OF THE EXTERIOR LICENSED SPACE**

Section 1. **Purpose and Intent.** The purpose and intent of this amendment is to modify the rules governing the defined perimeter of the exterior space of a licensed premise.

Section 2. **Amendment to Section 530.15.1** Section 530.15, General Rule, is hereby amended to read as follows and inserted into the Hermantown City Code to read:

**“530.15.1 General Rule.** No license granted under this section shall be effective beyond the compact and contiguous space named therein for which the license was granted. Licensed premises for any license granted shall include the entire parcel of land on which the establishment is located, provided, however, that no sales or service of alcoholic beverages shall take place outside of the interior portion of the establishment and any exterior portion of the establishment whose perimeter, with the exception of any the single entry way(s) to the exterior portion of the establishment, shall be bounded by a permanent structure at least six feet an identified barrier at least 30” high that is acceptable to the Chief of Police and the City Clerk, constructed in accordance with all applicable codes, ordinances and regulations, and the interior and exterior portions described above shall be permanently dedicated as an area(s) for the serving and sale of alcoholic beverages with the areas to be identified clearly mapped on the application for the license as the applicant's designated service area.”

*Deleted language is struck out and added language is underlined.*

Section 3. **Amendment to be Inserted in Code.** After this ordinance becomes effective, the changes made by this ordinance shall be made in the appropriate place in the Hermantown City Code. This ordinance shall be published in the official newspaper of the City.

Section 4. **Effective Date.** The provisions of this Ordinance shall be effective after adoption and immediately upon publication once in the official newspaper of the City of Hermantown.

Dated: \_\_\_\_\_

\_\_\_\_\_  
Mayor

Attest:

\_\_\_\_\_  
City Clerk

Adopted: \_\_\_\_\_

Published: \_\_\_\_\_

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

**TO:** Mayor & City Council  
**FROM:** John Mulder, City Administrator  
**DATE:** March 16, 2022  
**SUBJECT:** Cul-de-sacs



**Meeting Date:** 03/21/2022

**Agenda Item:** 11-C

**Ordinance:** 2022-04

---

## REQUESTED ACTION

Correct an ordinance (Section 1020) related to cul-de-sacs

---

## BACKGROUND

At the last City Council meeting, there was discussion regarding this ordinance. The proposed change simply corrects a drafting error.

---

## SOURCE OF FUNDS (if applicable)

N/A

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## ATTACHMENTS

Ordinance

Ordinance No. 2022-04

The City Council of the City of Hermantown does ordain:

**AN ORDINANCE AMENDING SECTION 1020, DESIGN STANDARDS,  
OF THE HERMANTOWN ZONING CODE**

**Section 1. Purpose and Intent.** The purpose and intent of this Ordinance to correct the language used in Section 1020.03.10 to provide the public with a clear and concise meaning of the terms and provisions of this Section.

**Section 2. Amendment to Section 1020.03.10.** Section 1020.03.10 of the Hermantown Zoning Code is hereby amended to read as shown:

**“1020.03.10.** Dead end streets are prohibited, except as stubs to permit future street extension ~~of~~ when designed as cul-de-sacs.”

Deleted language is struck out and added language is underlined.

**Section 3. Amended and Inserted in the Code.** After the amendment made by this ordinance becomes effective, it shall be inserted in the appropriate place in the Hermantown Zoning Code.

**Section 4. Effective Date.** The provisions of this Ordinance shall be effective after adoption and immediately upon publication once in the official newspaper of the City of Hermantown.

Dated the \_\_\_\_\_ day of \_\_\_\_\_, 2022.

*Deleted language is struck out and added language is underlined.*

\_\_\_\_\_  
Mayor

ATTEST:

\_\_\_\_\_  
City Clerk

Adopted: \_\_\_\_\_

Published: \_\_\_\_\_

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

**TO:** Mayor & City Council

**FROM:** John Mulder, City Administrator



**DATE:** March 14, 2022

**Meeting Date:** 03/21/2022

**SUBJECT:** Sewer Availability Charges

**Agenda Item:** 12-A

**Resolution:** 2022-30

---

## REQUESTED ACTION

Approve a Handbook section for a Sewer Availability Charges Policy.

---

## BACKGROUND

Since the completion of the Section 24 Sewer Trunk line, City staff has been reviewing costs of portions of the Trunkline and the benefit that affected property owners receive because of the City's efforts. This led us to review the value and benefit of the system to individuals who might wish to connect, but have not previously paid an assessment.

The attached policy addresses the individual benefit of the City's sewer infrastructure to property owners, creating a greater level of equity between those who might have paid for the sewer mains through an assessment or through the purchase price of the lot in a subdivision and those who were not assessed but now want to connect to the system. It also addresses those specific situations where the City has intentionally built infrastructure for future development that benefits specific adjoining property owners.

### Specific Highlights:

- Increases individual connections to Trunkline from \$2,500 to \$10,000.
- Creates \$10,000 availability charge to lots that are created after an assessment was set in cases where the City built the main though an assessment/petition process.
- Creates \$10,00 availability charge for lots that were not part of an original plat.
- Creates a method for setting the availabilities for trunk sewer lines spurs built by the City.

For general connections to the system, as we were drafting this, the main consideration was that users of the sewer should pay for the benefit that they specifically get from that sewer as opposed to putting the entire burden of the cost of the sewer being covered generally by the public either in the case of assessments or sales tax. We also discounted it at 50%. If an individual home owner were to build an on-site private system (a mound) the costs would likely exceed \$20,000.

It is difficult to compare to cities in the Twin Cities Metro area, as they are all subject to the mandates of the Metropolitan Council, which imposes a SAC to accommodate and pay for providing greater capacity for future development. This comparable to the Capacity Allocation Fee (CAF) that must be paid to WLSSD. I will provide some additional information in a presentation during the Pre-agenda meeting.



For the considering the sewer availabilities costs for trunk line spurs, we looked at the costs to construct those mains, as if they would or could have been assessed. Those mains were funded by sales tax, but built for specific end users along the main. Therefore, those users should bear the costs of those trunk line spurs.

If approved, Staff would present specific resolutions creating availabilities for trunk sewer spurs from the Section 24 trunk line in the near future.

---

**SOURCE OF FUNDS (if applicable)**

N/A

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**ATTACHMENTS**

Handbook Section – Sewer Availability Charges

**Resolution No. 2022-30**

**RESOLUTION APPROVING AN AMENDMENT TO THE CITY HANDBOOK REGARDING A SEWER AVAILABILITY POLICY**

WHEREAS, the City of Hermantown owns a sanitary sewer system and allows connections to that system under certain circumstances; and

WHEREAS, the goal of the sewer availability charges policy is to provide revenue to care for the overall system, recognizing the value of the sewers to the affected property owners, and

WHEREAS, the attached policy will clarify and communicate the cost to connect to the City's sanitary sewer system, and

WHEREAS, the City Council has considered this matter and believes that it is in the best interests of the City of Hermantown to approve the attached sewer availability charges policy and authorize the use by Hermantown Administrative staff.

NOW THEREFORE BE IT RESOLVED, by the City Council of the City of Hermantown, Minnesota, as follows:

1. The City Council approves the "Sewer Availability Charges Policy" as shown on Exhibit A.

Councilor \_\_\_\_\_ introduced the foregoing resolution and moved its adoption.

The motion for the adoption of such resolution was seconded by Councilor \_\_\_\_\_ and upon a vote being taken thereon, the following voted in favor thereof:

and the following voted in opposition thereto:

WHEREUPON, such resolution was declared duly passed and adopted March 21, 2022.

<b>Handbook for the City of Hermantown</b>		
<b>X Policy – Resolution 2022-xx</b>		<b>Procedure</b>
<b>Date Adopted</b>	<b>Title: Sewer Availability Charges</b>	<b>Section: Public Works</b>
<b>Revision Dates:</b>		<b>Page: 1 of 3</b>

**Purpose:** The purpose of this policy is to establish availability charges to the City Sewer. Availability charges are intended to provide revenue to the City to care for the overall sanitary sewer system by recognizing the value of the sewer to the affected property owner.

**Definitions**

**Trunk Sewer:** A major sewer line built by the City with the intent of opening up an area for sewer, but not intended for individual service connections that receive wastewater flows from collector sewers (mains). A trunk sewer carries wastewater via a direct connection to the Bayview metering station. The trunk sewer line is built by the City using a competitive bid process to provide sewer to an unsewered area funded by City Sales Tax Revenue.

**Trunk Sewer Spurs:** Sewer mains connected to a segment of a trunk line built by the City with the intention of serving as a sewer main in the future. Usually built at the same time as a segment of trunk line. Trunk sewer spurs are built by the City off of the trunk sewer to provide future sewer to an unsewered area.

**Sewer Mains:** Collector pipes built with the specific intent of allowing individual service lines to be connected to them. Sewer mains are typically built by developers to provide sewer to newly created lots and are meant to have individual service lines connected to it from the homes on those lots. A sewer main could also be built by the City through a competitive bid process in response to a petition from existing homeowners.

**Service lines:** Lines connecting a residence or business to a sewer main. The pipe is meant only to serve one building.

**Connections to Trunk Sewer**

- Individual residential connections** to the trunk sewer are discouraged. However, in certain circumstances they may be the best alternative as determined solely by the City. In those cases, the availability charge will be \$10,000 for single family, twin homes, or triplexes.
- Commercial or multifamily connections.** For commercial or multifamily housing units (greater than triplexes), the availability charge will be one-half (1/2) of the WLSSD Capacity Allocation Fee (CAF).

<b>Handbook for the City of Hermantown</b>		
<b>X Policy – Resolution 2022-xx</b>		<b>Procedure</b>
<b>Date Adopted</b>	<b>Title: Sewer Availability Charges</b>	<b>Section: Public Works</b>
<b>Revision Dates:</b>		<b>Page: 2 of 3</b>

### **Connections to Trunk Sewer Spurs**

In cases where the City builds a trunk sewer spur off the trunk sewer, the City will calculate the availability charge using a formula based on the total project’s costs and linear feet of the trunk sewer spur connected during that construction (total project costs / total linear feet = cost per foot). The cost per foot times the linear feet of the city-built trunk sewer spur will be the availability charge to connect to that trunk sewer spur.

Each time the City constructs a sewer main off the trunk sewer, it will calculate the availability charge for that sewer main. The City may charge the entire availability charge to the developer or may determine a prorated share if it is anticipated that several users will benefit from the trunk sewer spur. The City Council will set the availability charge for that trunk sewer spur by resolution based on Resolution 2013-06.

### **Connection of the system**

The City sewer mains have generally been funded by either developers or assessments.

**Developer Built:** In the case where a developer has built a sewer main and then turned it over to the City, the costs of those sewer mains were born by the developer and passed on to the individuals buying the platted lots as part of the purchase of the lots. Developers will not be charged an availability charge when they build a new sewer main or extend an existing sewer main for multiple lots provided they turnover ownership of the sewer main upon completion and passed an inspection by the City Engineer. If the City incurred costs to provide a stub to the end of a right of way for a future sewer main, the developer will have to pay the costs of that stub.

The original lots in a platted subdivision will be not be assessed or charged an availability charge. However, if any lot is further subdivided, the new lot(s) will be charged an availability charge of \$10,000.

**Assessed Properties:** In cases, where the City builds a sewer main through the assessment process, the City will establish availabilities at the time of the assessment hearing.

**Future Connections:** Every connection to the system will have an availability charge of \$10,000 except in the following conditions:

- a. Each original lot in a subdivision: Original lots created through the subdivision process will not have an availability charge.

<b>Handbook for the City of Hermantown</b>		
<b>X Policy – Resolution 2022-xx</b>		<b>Procedure</b>
<b>Date Adopted</b>	<b>Title: Sewer Availability Charges</b>	<b>Section: Public Works</b>
<b>Revision Dates:</b>		<b>Page: 3 of 3</b>

- b. Each assessed lot: In cases where a lot has been assessed for the cost of a sewer main but has not yet connected; the initial connection will have no charge.
- c. Lots with specific availabilities listed in the resolution at the time of creating the original assessment or availability.

**TO:** Mayor & City Council  
**FROM:** John Mulder, City Administrator  
**DATE:** March 16, 2022  
**SUBJECT:** Easements – Ugstad Road project



**Meeting Date:** 03/21/2022

**Agenda Item:** 12-B

**Resolution:** 2022-34

---

### **REQUESTED ACTION**

Accept Easements from Paul and Sara Fitzgerald

---

### **BACKGROUND**

As you know, the City will be making improvements along Ugstad and Arrowhead Roads in the summer of 2022 using a combination of Federal, State, and local funds. The City Council authorized the offers in December with the adoption of Resolution 2021-169. The City requested easements along those roads on land owned by Paul and Sara Fitzgerald. The City made an offer based upon an uncomplicated appraisal by F.I. Salter for those easements and the Fitzgerald's have accepted. The cost of the easement is \$1,385.

---

### **SOURCE OF FUNDS (if applicable)**

402-431150-510 Project 534 Ugstad Road Project

---

### **ATTACHMENTS**

Easements from Paul & Sara Fitzgerald

**Resolution No. 2022-34**

**RESOLUTION AUTHORIZING AND DIRECTING MAYOR AND CITY CLERK TO EXECUTE AN ACCEPTANCE OF EASEMENT AGREEMENT TO THE CITY OF HERMANTOWN FROM PAUL AND SARA FITZGERALD FOR THE UGSTAD ROAD AND ARROWHEAD ROAD IMPROVEMENT**

WHEREAS, the City of Hermantown (“City”) desires to construct improvements to portions of Ugstad Road and Arrowhead Road in the City of Hermantown (“Project”); and

WHEREAS, the City needs to obtain an easement (“Easements”) from Paul and Sara Fitzgerald to construct the Project and Paul and Sara Fitzgerald have executed and delivered the required Easement to the City; and

WHEREAS, the City will pay Paul and Sara Fitzgerald \$1,385 for the easement, an amount determined by the City’s appraiser; and

WHEREAS, the City desires to accept the Easements as described in and granted by the Easement Agreement attached hereto as Exhibit A.

NOW THEREFORE, BE IT RESOLVED by the City Council of the City of Hermantown, Minnesota as follows:

1. The Mayor and City Clerk are hereby authorized and directed to execute and deliver the Acceptance of the Easements.

Councilor \_\_\_\_\_ introduced the foregoing resolution and moved its adoption.

The motion for the adoption of such resolution was seconded by Councilor \_\_\_\_\_ and, upon a vote being taken thereon, the following voted in favor thereof:

And the following voted in opposition thereto:

WHEREUPON, such resolution was declared duly passed and adopted March 21, 2022.

**EXHIBIT A**



## TEMPORARY EASEMENT AGREEMENT

[TOP THREE INCHES RESERVED FOR RECORDING DATA]

THIS INDENTURE is made and entered into this 7<sup>th</sup> day of March, 2021, between **Paul Fitzgerald and Sara Fitzgerald**, husband and wife, hereinafter called "Grantor" and **City of Hermantown**, a Minnesota municipal corporation, hereinafter called "Grantee" in response to the following situation:

- A. Grantor is the owner of real property located in St. Louis County, Minnesota, and legally on Exhibit A attached hereto (the "Property").
- B. Grantee desires to construct a roadway improvements on the Property ("Project").
- C. Grantor has agreed to provide a temporary easement ("Temporary Easement") for the construction of the roadway within the Temporary Easement area legally described on Exhibit B and depicted as Temporary Easement Area on Exhibit C attached hereto.

NOW, THEREFORE, in consideration of mutual covenants contained herein and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

1. The Recitals are included as a part hereof.
2. Grantor grants the Temporary Easement to Grantee, its agents and employees, with necessary equipment, to enter upon and have access to the Temporary Easement areas for the purpose of construction work relating to the Project. The Temporary Easement shall expire and be of no force and effect until December 31, 2024.
3. Prior to expiration of the Temporary Easement, Grantee shall reasonably restore the Temporary Easement area to substantially the same condition prior to Grantee's entry and to the Temporary Easement area.

[SIGNATURES APPEAR ON NEXT PAGE]

IN WITNESS WHEREOF, the said Grantor has caused this instrument to be executed on the day and year first above written.

*Paul Fitzgerald*

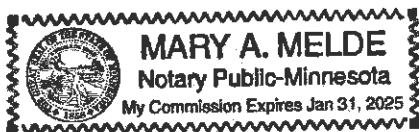
**Paul Fitzgerald**

*Sara Fitzgerald*

**Sara Fitzgerald**

STATE OF MINNESOTA    )  
  )ss.  
COUNTY OF ST. LOUIS    )

2 This instrument was acknowledged before me on this 7<sup>th</sup> day of March, 2021, by Paul Fitzgerald and Sara Fitzgerald, husband and wife.



*Mary A. Melde*

**Notary Public**

[ACCEPTANCE APPEARS ON NEXT PAGE]

Vendor# \_\_\_\_\_



## Accounts Payable Voucher

Date: 12/21/21

Claimant Name: Paul and Sara Fitzgerald

Dept: Finance

Date	Explanation	Amount
12/21/21	Ugstad Road Project Easement	\$ 1,385
		\$
		\$
		\$
		\$
		\$
		\$
		\$
		\$
		\$
		\$
		\$
		\$
		\$
		\$
	Total	\$ 1,385

**I declare under the penalties of law that this claim is just and correct and no part of this has been paid.**

*For Accounting Use Only*

Fund	Account	Object	Amount
402	431150	510	\$
			\$
			\$
			\$
			\$
			\$
			\$
		Total	\$

**Claimant Signature**

**Approval Signature** \_\_\_\_\_

**ACCEPTANCE**

The City of Hermantown hereby accepts the foregoing easement.

Dated: \_\_\_\_\_

**CITY OF HERMANTOWN**

By \_\_\_\_\_  
Its Mayor

And By \_\_\_\_\_  
Its City Clerk

STATE OF MINNESOTA    )  
  ) ss.  
COUNTY OF ST. LOUIS    )

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_, by Wayne Boucher and \_\_\_\_\_, the Mayor and City Clerk, respectively, of the City of Hermantown and on behalf of the City of Hermantown.

\_\_\_\_\_  
Notary Public

THIS INSTRUMENT WAS DRAFTED BY:  
Steven C. Overom  
Overom Law, PLLC  
11 E. Superior Street  
Suite 543  
Duluth, MN 55802  
218-625-8460

**EXHIBIT A**  
**Legal Description**

Lot 6, Gethsemane Acres, St. Louis County, Minnesota. (Abstract)

The South 25 feet of Lot 7, Gethsemane Acres Hermantown, St. Louis County, Minnesota.  
(Torrens)

**Parcel No. 395-0074-00060.**

**TO:** Mayor & City Council

**FROM:** Paul Senst



**DATE:** March 14, 2022

**Meeting Date:** 03/21/2022

**SUBJECT:** Purchase of Western Star Plow  
Truck Chassis

**Agenda Item:** 12-C

**Resolution:** 2022-35

---

## REQUESTED ACTION

Approve Purchase of Western Star Plow Truck Chassis to Boyer Trucks

---

## BACKGROUND

As part of our 2022 Capital Improvement Plan, the Hermantown Public Works has asked to purchase a 2023 Western Star Chassis from Boyer Ford Trucks, Inc. in Savage, MN. This will replace existing Unit # H1. Unit H1 has reached the end of its useful life as a plow truck for the City of Hermantown's needs. Unit H1 will be sold after taking delivery of the new Western Star Unit. We recommend awarding the purchase of this truck to Boyer Ford Trucks, Inc., Savage, MN in the amount of \$135,252.00+ applicable state taxes. This pricing was thru the State of MN State Bid Contract system.

This is a chassis purchase only; the truck upfit package will come at a later date.

This purchase of this Tandem truck chassis is part of the 2022 Capital Improvement Plan.

Please see attached backup information for the purchase of this truck.

This is a purchase thru Boyer Ford Trucks, Inc. of Savage, MN as part of the MN State Bid process.

---

## SOURCE OF FUNDS (if applicable)

CIP Item # PW&U 22-001

401-431100-543

---

## ATTACHMENTS

Boyer Trucks Quote and Specifications

**Resolution No. 2022-35**

**RESOLUTION AWARDING CONTRACT FOR 2023 WESTERN STAR 47X CHASSIS IN THE AMOUNT OF \$135,252.00 PLUS APPLICABLE TAXES AND FEES**

WHEREAS, the City of Hermantown will purchase a 2023 Western Star 47X Chassis; and

WHEREAS, the upfit kit will be purchased at a later date from Towmaster Truck Equipment; and

WHEREAS, after fully considering this matter, the City Council of the City of Hermantown believes that it is in the best interest of the City of Hermantown to award the contract for 2023 Western Star 47X chassis to Boyer Ford Truck, Inc.; and

WHEREAS, the purchase of the 2023 Western Star 47X chassis is part of the 2022 Capital Improvement Plan.

NOW THEREFORE, BE IT RESOLVED by the City Council of the City of Hermantown as follows:

1. Boyer Ford Truck, Inc. is hereby determined to be able to provide the 2023 Western Star 47X chassis to the City pursuant to the State Contract.
2. The price of \$135,252.00 plus applicable fees and sales tax for the truck chassis in accordance with the State Contract is hereby accepted.
3. Per the CIP the funds for the payment of the truck chassis will be paid from Fund No. 401 and expensed to 401-431100-543.

Councilor \_\_\_\_\_ introduced the foregoing resolution and moved its adoption.

The motion for the adoption of such resolution was seconded by Councilor \_\_\_\_\_ and, upon a vote being taken thereon, the following voted in favor thereof:

and the following voted in opposition thereto:

WHEREUPON, such resolution was declared duly passed and adopted March 21, 2022.

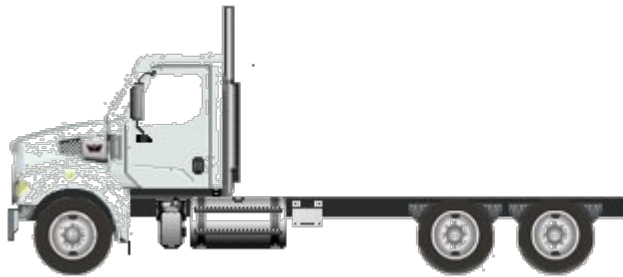
**Prepared by:**  
Joshua Beck  
BOYER FORD TRUCKS, INC.  
2500 BROADWAY DRIVE  
LAUDERDALE, MN 55113  
Phone:

*A proposal for*

*Prepared by*  
**BOYER FORD TRUCKS, INC.**  
*Joshua Beck*

*Mar 14, 2022*

## **Western Star 47X**



Components shown may not reflect all spec'd options and are not to scale



Prepared by:  
 Joshua Beck  
 BOYER FORD TRUCKS, INC.  
 2500 BROADWAY DRIVE  
 LAUDERDALE, MN 55113  
 Phone:

## Q U O T A T I O N

### WESTERN STAR 47X

SET FORWARD AXLE - TRUCK  
 DETROIT DD13 GEN 5 12.8L 470 HP @ 1625 RPM, 1900  
 GOV RPM, 1650 LB-FT @ 975 RPM  
 ALLISON 4000 RDS AUTOMATIC TRANSMISSION WITH  
 PTO PROVISION  
 RT-46-160P 46,000# R-SERIES TANDEM REAR AXLE  
 TUFTRAC GEN2 46,000# REAR SPRING SUSPENSION  
 MFS-20-133A 20,000# FL1 71.0 INCH KPI/3.74 INCH  
 DROP SINGLE FRONT AXLE

9,500# LEFT, 10,500# RIGHT MIXER/PLOW FLAT LEAF  
 FRONT SUSPENSION (20,000#)  
 111 INCH BBC CONVENTIONAL ALUMINUM CAB  
 5140MM (202 INCH) WHEELBASE, SFA ONLY  
 13.0MM X 87.0MM X 311.0MM STEEL FRAME  
 (0.51X3.43X12.24 INCH) 120 KSI  
 1525MM (60 INCH) REAR FRAME OVERHANG  
 TEM TO EVALUATE AND INSTALL FRAME RAIL  
 REINFORCEMENT AS NEEDED FOR FRONT  
 FRAME MOUNTED EQUIPMENT

		PER UNIT		TOTAL
VEHICLE PRICE	<b>TOTAL # OF UNITS (1)</b>	\$ 135,107	\$	135,107
EXTENDED WARRANTY		\$ 0	\$	0
DEALER INSTALLED OPTIONS		\$ 0	\$	0
<b>CUSTOMER PRICE BEFORE TAX</b>		<b>\$ 135,107</b>	<b>\$</b>	<b>135,107</b>

### TAXES AND FEES

TAXES AND FEES		\$ 145		\$ 145
OTHER CHARGES		\$ 0	\$	0

### TRADE-IN

<b>TRADE-IN ALLOWANCE</b>		\$ (0)		\$ (0)
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<b>BALANCE DUE</b>		<b>(LOCAL CURRENCY) \$ 135,252</b>		<b>\$ 135,252</b>
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#### COMMENTS:

Projected delivery on \_\_\_ / \_\_\_ / \_\_\_ provided the order is received before \_\_\_ / \_\_\_ / \_\_\_.

#### APPROVAL:

Please indicate your acceptance of this quotation by signing below:

Customer: X \_\_\_\_\_ Date: \_\_\_ / \_\_\_ / \_\_\_.

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## S P E C I F I C A T I O N P R O P O S A L

Description	Weight Front	Weight Rear
<b>Price Level</b>		
WST 47X/49X PRL-26X (EFF:07/26/21)		
<b>Data Version</b>		
SPECPRO21 DATA RELEASE VER 038		
<b>Vehicle Configuration</b>		
WESTERN STAR 47X	9,050	6,525
2023 MODEL YEAR SPECIFIED		
SET FORWARD AXLE - TRUCK	-480	480
TRAILER TOWING PROVISION AT END OF FRAME WITH SAE J560	10	10
LH PRIMARY STEERING LOCATION		
<b>General Service</b>		
TRUCK/TRAILER CONFIGURATION		
DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
UTILITY/REPAIR/MAINTENANCE SERVICE		
GOVERNMENT BUSINESS SEGMENT		
DIRT/SAND/ROCK COMMODITY		
TERRAIN/DUTY: 30% (LESS THAN A THIRD) OF THE TIME, IN TRANSIT, IS SPENT ON NON- PAVED ROADS		
MAXIMUM 8% EXPECTED GRADE		
MAINTAINED GRAVEL OR CRUSHED ROCK - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE		
WESTERN STAR VOCATIONAL WARRANTY		
EXPECTED FRONT AXLE(S) LOAD : 20000.0 lbs		
EXPECTED REAR DRIVE AXLE(S) LOAD : 46000.0 lbs		
EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 66000.0 lbs		
EXPECTED GROSS COMBINATION WEIGHT : 80000.0 lbs		
<b>Truck Service</b>		
FRONT PLOW/END DUMP BODY		
CRYSTEEL TRUCK EQUIPMENT		

Description	Weight Front	Weight Rear
<b>Tractor Service</b>		
FLATBED TRAILER		
SINGLE (1) TRAILER		
<b>Engine</b>		
DETROIT DD13 GEN 5 12.8L 470 HP @ 1625 RPM, 1900 GOV RPM, 1650 LB-FT @ 975 RPM		
<b>Electronic Parameters</b>		
65 MPH ROAD SPEED LIMIT		
CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT		
PTO MODE ENGINE RPM LIMIT - 900 RPM		
PTO MODE PTO 1 THROTTLE OVERRIDE ENABLED		
PTO RPM CONTROL WITH STEERING WHEEL SWITCHES		
PTO MODE CANCEL VEHICLE SPEED - 5 MPH		
PTO MODE RPM INCREMENT - 25 RPM		
PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND		
ONE DASH MOUNTED PTO SPEED WITH PTO SWITCH ENGAGEMENT		
PTO SPEED 1 SETTING - 900 RPM		
PTO MINIMUM RPM - 600		
ENABLE AUTO ENGINE RPM ELEVATE FOR EXTENDED IDLE		
MAINTENANCE SYSTEM WITH MENU AND POP-UPS IN INSTRUMENT CLUSTER		
PTO 1, C/F PTO, WITH SWITCH, TEM SUPPLIED REQUEST, FEEDBACK AND INTERLOCKS, WITH PTO CONNECTIONS, ENGAGE WHILE DRIVING		
ENGINE MOUNT PTO, DASH SWITCH ENGAGES PTO MODE, DRIVING OPERATION		
<b>Engine Equipment</b>		
2010 EPA/CARB/GHG21 CONFIGURATION		
2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD CORNER OF DRIVER DOOR)		
OPTIONAL SELECTION OF CARB BASE WARRANTY/CERTIFICATION. DEALER CONFIRMS REGISTRATION IN OTHER THAN CALIFORNIA OR CARB OPT-IN STATES		
ALUMINUM OIL PAN		
ENGINE MOUNTED OIL CHECK AND FILL		

Description	Weight Front	Weight Rear
SIDE OF HOOD AIR INTAKE WITH ENGINE MOUNTED AIR CLEANER, WITH INSIDE/OUTSIDE AIR AND SNOW DOOR		
DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE	-10	
(3) DTNA GENUINE, FLOODED STARTING, MIN 3000CCA, 555RC, THREADED STUD BATTERIES	-10	
BATTERY BOX WITH ALUMINUM COVER MOUNTED SHORT SIDE TO RAIL	-50	10
SINGLE BATTERY BOX FRAME MOUNTED LH SIDE BACK OF CAB		
WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		
NON-POLISHED BATTERY BOX COVER WITH 3/16 INCH TETHER ON FORWARD SIDE OF COVER/BOX		
AUXILIARY POWER NET DISTRIBUTION BLOCK FOR BODY BUILDER USE	5	
POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT	2	
POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER	2	
PROGRESSIVE LOW VOLTAGE DISCONNECT AT 12.3 VOLTS FOR DESIGNATED CIRCUITS	2	
BW MODEL FE-921 19.0 CFM SINGLE CYLINDER AIR COMPRESSOR WITH SAFETY VALVE		
ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM		
JACOBS COMPRESSION BRAKE		
RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE		
ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD ACTIVE REGENERATION AND VIRTUAL REGENERATION REQUEST SWITCH IN CLUSTER AND DASH MOUNTED INHIBIT SWITCH		
11 FOOT 00 INCH (132 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT		
STANDARD CURVE BRIGHT UPPER STACK(S)		
RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP		
13 GALLON DIESEL EXHAUST FLUID TANK	9	3

Description	Weight Front	Weight Rear
UNPOLISHED ALUMINUM WST DIESEL EXHAUST FLUID TANK COVER		
LH HEAVY DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION		
STANDARD DIESEL EXHAUST FLUID TANK CAP		
STAINLESS STEEL AFTERTREATMENT DEVICE/MUFFLER/TAILPIPE SHIELD		
ELECTRONICALLY CONTROLLED VARIABLE SPEED VISCOUS FAN DRIVE		
AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED		
DDC SUPPLIED ENGINE MOUNTED FUEL FILTER/FUEL WATER SEPARATOR WITH WATER-IN-FUEL INDICATOR		
FULL FLOW OIL FILTER		
1400 SQUARE INCH VOCATIONAL RADIATOR WITH PROTECTION PACKAGE	20	
ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT		
GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT		
HDEP FIXED RATIO COOLANT PUMP AND RADIATOR DRAIN VALVE		
LOWER RADIATOR GUARD		
1350 ADAPTER FLANGE FOR FRONT PTO PROVISION	20	
PHILLIPS-TEMRO 1500 WATT/115 VOLT BLOCK HEATER	4	
PHILLIPS-TEMRO 300 WATT/115 VOLT OIL PREHEATER	4	
CHROME ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR		
DELCO 12V MOD 3.175-39MT+ STARTER WITH ENGINE ECU SOFTWARE PROTECTION AND INTEGRATED MAGNETIC SWITCH	-45	

### Transmission

ALLISON 4000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION

### Transmission Equipment

ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV

ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES

Description	Weight Front	Weight Rear
PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 2, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
S1 PERFORMANCE PRIMARY SHIFT SCHEDULE, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
S1 PERFORMANCE SECONDARY SHIFT SCHEDULE, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
1800 RPM PRIMARY MODE SHIFT SPEED		
1800 RPM SECONDARY MODE SHIFT SPEED		
FUEL SENSE 2.0 DISABLED - PERFORMANCE - TABLE BASED		
QUICKFIT BODY LIGHTING CONNECTOR UNDER CAB, WITH BLUNTCUTS		
ELECTRONIC TRANSMISSION WIRING TO CUSTOMER INTERFACE CONNECTOR		
CUSTOMER INSTALLED CHELSEA 280 SERIES PTO		
PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION ALLISON		
MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN		
HEAVY DUTY ELECTRONIC TRANSMISSION SHIFT CONTROL, COLUMN MOUNTED		
WATER TO OIL TRANSMISSION COOLER		
TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK		
SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)		

### Front Axle and Equipment

MFS-20-133A 20,000# FL1 71.0 INCH KPI/3.74 INCH DROP SINGLE FRONT AXLE	240
CONMET PRESET PLUS PREMIUM IRON FRONT HUBS	20
MERITOR 16.5X6 Q+ CAST SPIDER HEAVY DUTY CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES	
NON-ASBESTOS FRONT BRAKE LINING	
CONMET CAST IRON FRONT BRAKE DRUMS	
FRONT BRAKE DUST SHIELDS	5
FRONT OIL SEALS	

Description	Weight Front	Weight Rear
SKF SCOTSEAL TF VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL		
HALDEX AUTOMATIC FRONT SLACK ADJUSTERS WITH STAINLESS STEEL CLEVIS PINS		
DUAL POWER STEERING GEARS, BENDIX 16-20K	80	
4 QUART POWER STEERING RESERVOIR	5	
OIL/AIR POWER STEERING COOLER	5	
SYNTHETIC 40/50W FRONT AXLE LUBE		
<b>Front Suspension</b>		
9,500# LEFT, 10,500# RIGHT MIXER/PLOW FLAT LEAF FRONT SUSPENSION (20,000#)	250	
THREADED SPRING PINS AND BUSHINGS - FRONT SUSPENSION		
FRONT SHOCK ABSORBERS		
<b>Rear Axle and Equipment</b>		
RT-46-160P 46,000# R-SERIES TANDEM REAR AXLE		500
CONMET PRESET PLUS PREMIUM IRON REAR HUBS		60
4.56 REAR AXLE RATIO		
IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		
SPL250 HT XL DANA SPICER MAIN DRIVELINE	40	40
SPL170 XL DANA SPICER INTERAXLE DRIVELINE WITH HALF ROUND YOKES		10
DRIVER CONTROLLED TRACTION DIFFERENTIAL - BOTH TANDEM REAR AXLES		30
(1) INTERAXLE LOCK VALVE, (1) DRIVER CONTROLLED DIFFERENTIAL LOCK FORWARD-REAR AND REAR-REAR AXLE VALVE		
INDICATOR LIGHT FOR EACH INTERAXLE LOCKOUT SWITCH		
INDICATOR LIGHT FOR EACH DIFFERENTIAL LOCKOUT SWITCH		
MERITOR 16.5X8.62 Q+ CAST SPIDER HEAVY DUTY CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
NON-ASBESTOS REAR BRAKE LINING		
BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S)		
CONMET CAST IRON REAR BRAKE DRUMS		
REAR BRAKE DUST SHIELDS		10

Description	Weight Front	Weight Rear
REAR OIL SEALS		
BENDIX EVERSURE LONGSTROKE 2-DRIVE AXLES SPRING PARKING CHAMBERS		
HALDEX AUTOMATIC REAR SLACK ADJUSTERS WITH STAINLESS STEEL CLEVIS PINS		
CURRENT AVAILABLE SYNTHETIC 75W-90 REAR AXLE LUBE		
STANDARD REAR AXLE BREATHER(S)		
<b>Rear Suspension</b>		
TUFTRAC GEN2 46,000# REAR SPRING SUSPENSION		560
9.5 INCH NOMINAL RIDE HEIGHT (460MM GLOBAL REFERENCE HEIGHT)		
AXLE CLAMPING GROUP		
55 INCH AXLE SPACING		
FORE/AFT AND TRANSVERSE CONTROL RODS		
REAR SHOCK ABSORBERS - TWO AXLES (TANDEM)		40
<b>Brake System</b>		
WABCO 4S/4M ABS WITH TRACTION CONTROL WITH ATC SHUT OFF SWITCH		
REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES		
RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE		
WABCO SYSTEM SAVER HP WITH INTEGRAL AIR GOVERNOR AND HEATER		
WABCO OIL COALESCING FILTER FOR AIR DRYER		
N AIR DRYER MOUNTED INBOARD ON LH RAIL		
STEEL AIR BRAKE RESERVOIRS		
PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS		
<b>Trailer Connections</b>		
AIR CONNECTIONS TO END OF FRAME WITH GLAD HANDS FOR TRUCK AND NO DUST COVERS	5	5
PRIMARY CONNECTOR/RECEPTACLE WIRED FOR SEPARATE STOP/TURN, ABS CENTER PIN POWERED THROUGH IGNITION		
SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME		
<b>Wheelbase &amp; Frame</b>		



Description	Weight Front	Weight Rear
5140MM (202 INCH) WHEELBASE, SFA ONLY		
13.0MM X 87.0MM X 311.0MM STEEL FRAME (0.51X3.43X12.24 INCH) 120 KSI	280	360
TEM TO EVALUATE AND INSTALL FRAME RAIL REINFORCEMENT AS NEEDED FOR FRONT FRAME MOUNTED EQUIPMENT		
1525MM (60 INCH) REAR FRAME OVERHANG		
FRAME OVERHANG RANGE: 51 INCH TO 60 INCH	-20	30
24 INCH INTEGRAL FRONT FRAME EXTENSION	120	
CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 120.87 in		
CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 117.87 in		
CALC'D FRAME LENGTH - OVERALL : 314.96 in		
FRAME HEIGHT TOP FRONT UNLADEN : 44.09 in		
FRAME HEIGHT TOP FRONT LADEN : 40.7 in		
FRAME HEIGHT TOP REAR UNLADEN : 43.24 in		
FRAME HEIGHT TOP REAR LADEN : 40.78 in		
CALCULATED FRAME SPACE LH SIDE : 44.26 in		
CALCULATED FRAME SPACE RH SIDE : 70.24 in		
SQUARE END OF FRAME		
HEAVY DUTY DUCTILE IRON ENGINE CROSSMEMBER	50	
STANDARD CROSSMEMBER BACK OF TRANSMISSION		
STANDARD CAST ALUMINUM MIDSHIP		
STANDARD CAST ALUMINUM REARMOST CROSSMEMBER		
STANDARD SUSPENSION CROSSMEMBER		30
CAST ALUMINUM REAR SUSPENSION CROSSMEMBER		

### Chassis Equipment

	UNPOLISHED ALUMINUM WST EQUIPMENT COVERS		
*	1 MID CHASSIS COMPONENT LOCATION REQUEST		
	460- (AIR TANKS) MOUNTED RIGHT SIDE AS F AR FORWARD AS POSSIBLE (TWO TANKS ONLY) , REST MOUNTED INSIDE RAIL.		
*	OMIT FRONT BUMPER, CUSTOMER INSTALLED SPECIAL BUMPER, DOES NOT COMPLY WITH FMCSR 393.203		
*	NO FRONT TOW HOOKS	-15	
	NO LICENSE PLATE MOUNTING		

Description	Weight Front	Weight Rear
CLASS 10.9 THREADED METRIC FASTENERS		
EXTERIOR HARNESSES WRAPPED IN ABRASION TAPE		
LEFT HAND SIDE HEAVY DUTY BRACKETS REQUIRED		
RIGHT HAND SIDE HEAVY DUTY BRACKETS REQUIRED		
<b>Fuel Tanks</b>		
80 GALLON/302 LITER ALUMINUM FUEL TANK - LH	10	
25 INCH DIAMETER FUEL TANK(S)		
POLISHING OF FUEL/HYDRAULIC TANK(S) WITH POLISHED STAINLESS STEEL BANDS		
FUEL TANK(S) FORWARD		
PLAIN STEP FINISH		
CHROME FUEL TANK CAP(S)		
EQUIFLO INBOARD FUEL SYSTEM		
HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		
<b>Tires</b>		
MICHELIN XZU-S2 315/80R22.5 20 PLY RADIAL FRONT TIRES	100	
MICHELIN XDS2 11R22.5 16 PLY RADIAL REAR TIRES		192
<b>Wheels</b>		
ACCURIDE 41012 22.5X9.00 10-HUB PILOT 3.12 INSET 10-HAND ALUMINUM DISC FRONT WHEELS	-38	
ACCURIDE 28828 22.5X8.25 10-HUB PILOT 2-HAND HD STEEL DISC REAR WHEELS		104
FRONT WHEEL MOUNTING NUTS		
REAR WHEEL MOUNTING NUTS		
NYLON WHEEL GUARDS FRONT AND REAR ALL INTERFACES		
<b>Cab Exterior</b>		
111 INCH BBC CONVENTIONAL ALUMINUM CAB		
STAINLESS STEEL CAB ACCENT MOLDING		
FRONT FENDERS		
BOLT-ON MOLDED FLEXIBLE FENDER EXTENSIONS	10	

Description	Weight Front	Weight Rear
INTERIOR GRAB HANDLES WITH ADDED LOWER LH AND RH A PILLAR GRAB HANDLES AND LH AND RH EXTERIOR NON-SLIP GRAB HANDLES		
BRIGHT HOOD MOUNTED AIR INTAKE GRILLE, BLACK SCREEN		
X-SERIES STEEL REINFORCED ALUMINUM CAB		
X-SERIES VOCATIONAL HOOD		
HOOD OPENING ASSIST WITH LOCKING STRUT		
WESTERN STAR NAMEPLATES		
DUAL HADLEY SD-978 26 INCH RECTANGULAR AIR HORNS		
DUAL ELECTRIC HORNS		
SWITCH, INDICATOR LIGHT, WIRING AND 6 FEET OF ADDITIONAL CABLE BACK OF CAB/SLEEPER FOR (2) CUSTOMER FURNISHED BEACONS, FOR ROOF LH/RH BACK OF CAB MOUNTING		
DUAL STAGE INTELLIGENT LED HEADLIGHTS WITH HEATED LENS SYSTEM		
VISOR MOUNTED LED MARKER LIGHTS		
WIRING AND SWITCH FOR CUSTOMER FURNISHED SNOW PLOW LAMPS WITH DUAL CONNECTIONS AT BUMPER		
DAYTIME RUNNING LIGHTS		
INTEGRAL LED STOP/TAIL/BACKUP LIGHTS		
LED REAR FACING TURN SIGNAL LAMPS IN CONVEX MIRROR LENS IN ADDITION TO STANDARD		2
C-BAR MIRROR SYSTEM WITH DUAL HEATED MIRRORS WITH INTEGRAL HEATED CONVEX, DUAL REMOTE, TURN SIGNAL, STAINLESS STEEL BACK COVER, AND BLACK C-BAR		20
102 INCH EQUIPMENT WIDTH		
LH AND RH CONVEX MIRRORS INTEGRAL WITH PRIMARY MIRRORS		
RH DOWN VIEW MIRROR		
RH AND LH HEATED BLACK HOOD/FENDER MOUNTED SIDE VIEW MIRRORS WITH BRIGHT FINISH MOUNTING ARM		8
STANDARD SIDE/REAR REFLECTORS		
UNPOLISHED ALUMINUM WST AFTERTREATMENT SYSTEM COVER		
STAINLESS STEEL EXTERIOR SUN VISOR WITH INTEGRAL MARKER LIGHTS		16

	Description	Weight Front	Weight Rear
	SINGLE SOLAR TINTED REAR WINDOW, (1) 31 INCH X 20 INCH		
*	1-PIECE ROPED-IN TUFGLASS WINDSHIELD HEATED		
	8 LITER (2 GAL) WINDSHIELD WASHER RESERVOIR, CAB MOUNTED, WITH FLUID LEVEL INDICATOR		
	WHITE WINTERFRONT	2	
<b>Cab Interior</b>			
	X-SERIES PREMIUM INTERIOR TRIM LEVEL PACKAGE		
	CHARCOAL BLACK VINYL UP LEVEL INTERIOR CARBON WITH PREMIUM TEAK ACCENT		
	BLACK MATS WITH ADDED FLOOR HEAT AND NOISE INSULATION		
	(1) USB CHARGING OUTLET, (1) LIGHTER OUTLET AND ASH TRAY		
	FORWARD ROOF MOUNTED CONSOLE		
	LH AND RH DOOR STORAGE POCKETS INTEGRATED INTO MOLDED DOOR PANELS		
	(2) COAT HOOKS ON BACKWALL OF CAB		
	DIGITAL ALARM CLOCK IN DRIVER DISPLAY		
	STANDARD HEATER PLUMBING WITH BALL SHUTOFF VALVES AT SUPPLY LINES ONLY		
	RADIATOR MOUNTED AIR CONDITIONER CONDENSER		
	PREMIUM INSULATION		
	PREMIUM LED CAB LIGHTING		
	NO SECURITY DEVICE		
	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME		
	KEY QUANTITY OF 3		
	LH AND RH ELECTRIC DOOR LOCKS WITH AUTO UNLOCK FEATURE WHEN DOOR IS SET FROM OPEN TO CLOSED POSITION		
	BRIGHT DOOR HANDLES		
	PREMIUM 2.0 HIGH BACK AIR SUSPENSION DRIVER SEAT WITH 2 AIR LUMBAR, INTEGRATED CUSHION EXTENSION, TILT AND ADJUSTABLE SHOCK	20	
	BASIC 2.0 HIGH BACK AIR SUSPENSION PASSENGER SEAT WITH 1 CHAMBER AIR LUMBAR, INTEGRATED CUSHION EXTENSION AND TILT	40	15

Description	Weight Front	Weight Rear
BLACK SUSPENSION COVER FOR DRIVER AND PASSENGER SEATS	4	
DUAL DRIVER SEAT ARMRESTS, NO PASSENGER SEAT ARMRESTS		
BLACK MORDURA CLOTH DRIVER SEAT COVER WITH EMBROIDERED LOGO		
BLACK MORDURA CLOTH PASSENGER SEAT COVER WITH EMBROIDERED LOGO		
3 POINT HIGH VISIBILITY ORANGE ADJUSTABLE D-RING RETRACTOR DRIVER AND FIXED D-RING RETRACTOR PASSENGER SEAT BELTS		
ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN		
4-SPOKE 18 INCH (450MM) LEATHER WRAPPED STEERING WHEEL WITH CHROME SWITCH BEZELS		
DRIVER AND PASSENGER INTERIOR SUN VISORS WITH ILLUMINATED VANITY MIRRORS		

**Instruments & Controls**

STOCK TRUCK/UPFIT PACKAGE LVL 1		
STANDARD FOOT PEDAL SYSTEM		
ELECTRONIC ACCELERATOR CONTROL		
ENGINE REMOTE INTERFACE WITH PARK BRAKE INTERLOCK		
BRIGHT ARGENT FINISH GAUGE BEZELS		
STANDARD CENTER INSTRUMENT PANEL		
DUAL NEEDLE PRIMARY AND SECONDARY AIR PRESSURE GAUGE		
DASH MOUNTED AIR RESTRICTION INDICATOR WITH GRADUATIONS	2	
87 DB TO 112 DB SELF-ADJUSTING BACKUP ALARM		3
ELECTRONIC CRUISE CONTROL WITH CONTROLS ON STEERING WHEEL SPOKES		
KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY		
AUXILIARY POWER DISTRIBUTION MODULE FOR TEM USE, AUXILIARY EVVAULT MOUNTED, FUSE PROTECTED		
PREMIUM INSTRUMENT CLUSTER WITH 5.0 INCH TFT COLOR DISPLAY		
DIGITAL PANEL LAMP DIMMER SWITCH IN DRIVER DISPLAY		

Description	Weight Front	Weight Rear
HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH		
2 INCH ELECTRIC FUEL GAUGE		
FUEL FILTER RESTRICTION INDICATOR		
ENGINE REMOTE INTERFACE WITH MULTIPLE SET SPEEDS		
ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE		
ENGINE OIL TEMPERATURE GAUGE		
ELECTRIC ENGINE OIL PRESSURE GAUGE		
2 INCH TRANSMISSION OIL TEMPERATURE GAUGE		
ELECTRONIC OUTSIDE TEMPERATURE SENSOR DISPLAY IN DRIVER MESSAGE CENTER		
ENGINE, TRIP AND PTO HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY		
* PTO CONTROLS FOR ENHANCED VEHICLE ELECTRIC/ELECTRONIC ARCHITECTURE		
NO OBSTACLE DETECTION SYSTEM		
NO VEHICLE STABILITY ADVISOR OR CONTROL		
NO LANE DEPARTURE WARNING SYSTEM		
QUICKFIT PROGRAMMABLE INTERFACE MODULE + (4) 20 AMP FUSED RELAYS	10	
TMC RP1226 ACCESSORY CONNECTOR LOCATED BEHIND PASSENGER SIDE REMOVEABLE DASH PANEL		
AM/FM/WB WORLD TUNER RADIO WITH BLUETOOTH, USB AND AUXILIARY INPUTS, J1939		
DASH MOUNTED RADIO		
STANDARD SPEAKER SYSTEM		
AM/FM ANTENNA MOUNTED ON RH SIDE MIRROR		
COBRA 29LX OEM FACTORY INSTALLED CB RADIO WITH WEATHERBAND	5	
ROOF/OVERHEAD CONSOLE CB RADIO PROVISION		
SINGLE REMOTE SPEAKER WITH LEAD FOR 2- WAY RADIO		
SINGLE FIBERGLASS LH MIRROR MOUNTED CB ANTENNA WITH BRACKET AND LEAD		
ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER		

Description	Weight Front	Weight Rear
ELECTRONIC 2500 RPM TACHOMETER		
DETROIT CONNECT PLATFORM HARDWARE		
5 YEARS DETROIT CONNECT BASE PACKAGE (FEATURES VARY BY MODEL) DETROIT CONNECT PLATFORM		
IGNITION SWITCH CONTROLLED ENGINE STOP		
FOUR EXTRA HARDWIRED SWITCHES IN DASH, ROUTE TO UNDER CAB, BLUNTCUT		
HARDWIRE SWITCH #1, ON/OFF LATCHING, 20 AMPS IGNITION POWER		
HARDWIRE SWITCH #2, ON/OFF LATCHING, 20 AMPS IGNITION POWER		
HARDWIRE SWITCH #3, ON/OFF LATCHING, 20 AMPS IGNITION POWER		
HARDWIRE SWITCH #4, ON/OFF LATCHING, 20 AMPS IGNITION POWER		
PRE-TRIP INSPECTION FEATURE FOR EXTERIOR LAMPS ONLY		
BW TRACTOR PROTECTION VALVE		
TRAILER HAND CONTROL BRAKE VALVE	2	
2 INCH TURBO AIR PRESSURE GAUGE		
DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY		
ROTARY HEADLAMP SWITCH, MARKER LIGHTS/HEADLIGHTS SWITCH WITH PULL OUT FOR OPTIONAL FOG/ROAD LAMPS		
TWO VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR		
SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, HEADLAMP FLASH, WASH/WIPE/INTERMITTENT		
QUICKFIT POWERTRAIN INTERFACE CONNECTOR LOCATED BETWEEN SEATS WITH BLUNTCUTS		
QUICKFIT PROGRAMMABLE INTERFACE CONNECTOR(S) BETWEEN SEATS WITH BLUNTCUTS		

### Design

\* TWO COLOR CUSTOM PAINT

### Color

\* CAB COLOR A: L0006EY WHITE ELITE EY  
 CAB COLOR B: N2789EA FLAT BLACK  
 ELITE SS  
 BLACK, HIGH SOLIDS POLYURETHANE CHASSIS  
 PAINT

Description	Weight Front	Weight Rear
POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)		

### Certification / Compliance

U.S. FMVSS CERTIFICATION, EXCEPT SALES  
 CABS AND GLIDER KITS

### Secondary Factory Options

\* SPECIAL NARRATIVE INSTRUCTIONS  
 981-4AC PAINT HOOD FLAT BLACK

### Raw Performance Data

CALCULATED EFFECTIVE BACK OF CAB TO  
 REAR SUSPENSION C/L (CA) : 117.87 in

## TOTAL VEHICLE SUMMARY

### Weight Summary

	Weight Front	Weight Rear	Total Weight
Factory Weight <sup>+</sup>	9811 lbs	9017 lbs	18828 lbs
Total Weight <sup>+</sup>	9811 lbs	9017 lbs	18828 lbs

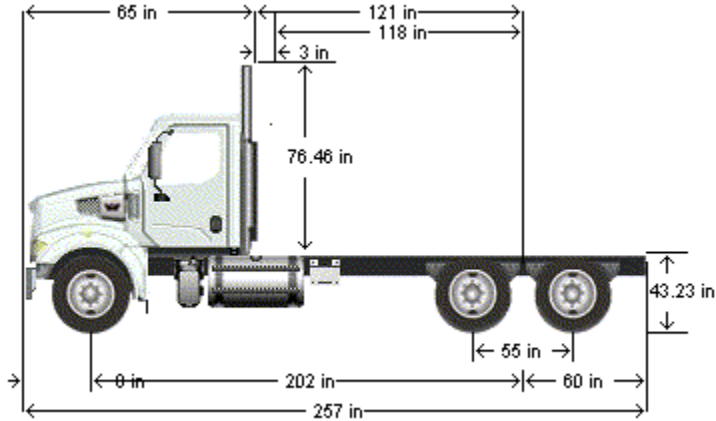
(+) Weights shown are estimates only.

If weight is critical, contact Customer Application Engineering.

(\*\*\*) All cost increases for major components (Engines, Transmissions, Axles, Front and Rear Tires) and government mandated requirements, tariffs, and raw material surcharges will be passed through and added to factory invoices.



**D I M E N S I O N S**



**VEHICLE SPECIFICATIONS SUMMARY - DIMENSIONS**

Model .....	47X
Wheelbase (545) .....	5140MM (202 INCH) WHEELBASE, SFA ONLY
Rear Frame Overhang (552).....	1525MM (60 INCH) REAR FRAME OVERHANG
Fifth Wheel (578) .....	NO FIFTH WHEEL
Mounting Location (577) .....	NO FIFTH WHEEL LOCATION
Maximum Forward Position (in).....	0
Maximum Rearward Position (in) .....	0
Amount of Slide Travel (in).....	0
Slide Increment (in).....	0
Desired Slide Position (in).....	0.0
Cab Size (829).....	111 INCH BBC CONVENTIONAL ALUMINUM CAB
Sleeper (682).....	NO SLEEPER BOX/SLEEPER CAB
Exhaust System (016) .....	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE

**TABLE SUMMARY - DIMENSIONS**

Dimensions	Inches
Bumper to Back of Cab (BBC)	65.2
Bumper to Centerline of Front Axle (BA)	7.7
Front Axle to Back of Cab (AC)	65.2
Min. Cab to Body Clearance (CB)	3.0
Back of Cab to Centerline of Rear Axle(s) (CA)	120.9
Effective Back of Cab to Centerline of Rear Axle(s) (Effective CA)	117.9
Back of Cab Protrusions (Exhaust/Intake) (CP)	2.0
Back of Cab Protrusions (Side Extenders/Trim Tab) (CP)	0.0
Back of Cab Protrusions (CNG Tank)	0.0
Back of Cab Clearance (CL)	3.0
Back of Cab to End of Frame	191.9
Cab Height (CH)	76.5
Wheelbase (WB)	202.4
Frame Overhang (OH)	60.0
Overall Frame Length	315.0
Overall Length (OAL)	257.0
Rear Axle Spacing	55.0
Unladen Frame Height at Centerline of Rear Axle	43.2

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.

**G V W R**

**VEHICLE SPECIFICATIONS SUMMARY - GVWR**

Model .....	47X
Cab Size (829).....	111 INCH BBC CONVENTIONAL ALUMINUM CAB
Expected Front Axle(s) Load (lbs).....	20000.0
Expected Pusher Axle(s) Load (lbs).....	0.0
Expected Rear Axle(s) Load (lbs) .....	46000.0
Expected Tag Axle(s) Load (lbs).....	0.0
Expected GVW (lbs) .....	66000
Expected GCW (lbs) .....	80000.0
Front Axle (400).....	MFS-20-133A 20,000# FL1 71.0 INCH KPI/3.74 INCH DROP SINGLE FRONT AXLE
Front Suspension (620) .....	9,500# LEFT, 10,500# RIGHT MIXER/PLOW FLAT LEAF FRONT SUSPENSION (20,000#)
Front Hubs (418) .....	CONMET PRESET PLUS PREMIUM IRON FRONT HUBS
Front Disc Wheels (502) ..	ACCURIDE 41012 22.5X9.00 10-HUB PILOT 3.12 INSET 10-HAND ALUMINUM DISC FRONT WHEELS
Front Tires (093).....	MICHELIN XZU-S2 315/80R22.5 20 PLY RADIAL FRONT TIRES
Front Brakes (402).....	MERITOR 16.5X6 Q+ CAST SPIDER HEAVY DUTY CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES
Steering Gear (536).....	DUAL POWER STEERING GEARS, BENDIX 16-20K
Rear Axle (420) .....	RT-46-160P 46,000# R-SERIES TANDEM REAR AXLE
Rear Suspension (622).....	TUFTRAC GEN2 46,000# REAR SPRING SUSPENSION
Rear Hubs (450).....	CONMET PRESET PLUS PREMIUM IRON REAR HUBS
Rear Disc Wheels (505).....	ACCURIDE 28828 22.5X8.25 10-HUB PILOT 2-HAND HD STEEL DISC REAR WHEELS
Rear Tires (094) .....	MICHELIN XDS2 11R22.5 16 PLY RADIAL REAR TIRES
Rear Brakes (423) .....	MERITOR 16.5X8.62 Q+ CAST SPIDER HEAVY DUTY CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES
Pusher / Tag Axle (443).....	NO PUSHER OR TAG AXLE
Pusher / Tag Suspension (626) .....	NO PUSHER OR TAG SUSPENSION
Pusher / Tag Hubs (449).....	NO PUSHER OR TAG HUBS
Pusher/Tag Disc Wheels (509) .....	NO PUSHER/TAG DISC WHEELS
Pusher / Tag Tires (095).....	NO PUSHER/TAG TIRES
Pusher / Tag Brakes (456).....	NO PUSHER/TAG BRAKES

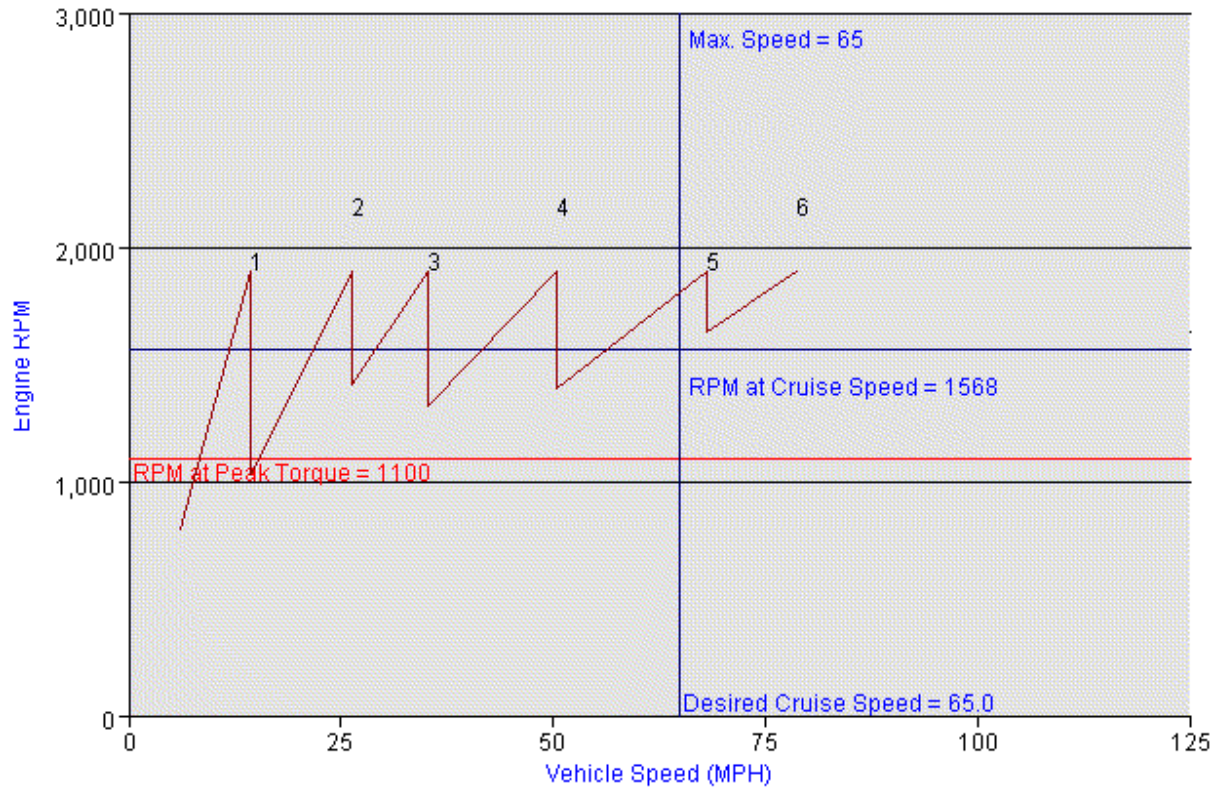
**TABLE SUMMARY - GVWR**

Prepared by:  
 Joshua Beck  
 BOYER FORD TRUCKS, INC.  
 2500 BROADWAY DRIVE  
 LAUDERDALE, MN 55113  
 Phone:

	Front	Rear 1	Rear 2
<b>Axle Component Weight Ratings</b>			
Axles	20000	23000	23000
Suspension	20000	23000	23000
Hubs	23000	26000	26000
Brakes	20000	23000	23000
Wheels	20400	32000	32000
Tires	20000	24020	24020
Power Steering	20000	N/A	N/A
GAWR (per axle)	20000	23000	23000
GAWR (per axle system)	20000		46000
Expected Load (per axle system)	20000		46000
GVWR due to Frame	90000		
GVWR due to Transmission	300000		
<b>Vehicle GVWR Summary</b>			
Calculated GVWR	66000		
Expected GVWR	66000		
All weights displayed in pounds			

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.

## SHIFT CHART



### VEHICLE SPECIFICATIONS SUMMARY - SHIFT CHART

Model ..... 47X  
 Cab Size (829).....111 INCH BBC CONVENTIONAL ALUMINUM CAB  
 Desired Cruise Speed (mph) .....65.0  
 Engine (101)..... DETROIT DD13 GEN 5 12.8L 470 HP @ 1625 RPM, 1900 GOV RPM, 1650 LB-FT @ 975 RPM  
     RPM at Peak Torque ..... 1100  
     Governed RPM..... 1900  
 Transmission (342).....ALLISON 4000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION

Gear Ratio: LL .....	N/A
Gear Ratio: L .....	N/A
Gear Ratio: 1 .....	3.51
Gear Ratio: 2 .....	1.91
Gear Ratio: 3 .....	1.43
Gear Ratio: 4 .....	1
Gear Ratio: 5 .....	0.74
Gear Ratio: 6 .....	0.64
Gear Ratio: 7 .....	N/A
Gear Ratio: 8 .....	N/A
Gear Ratio: 9 .....	N/A
Gear Ratio: 10 .....	N/A
Gear Ratio: 11 .....	N/A
Gear Ratio: 12 .....	N/A
Gear Ratio: 13 .....	N/A
Gear Ratio: 14 .....	N/A
Gear Ratio: 15 .....	N/A
Gear Ratio: 16 .....	N/A
Gear Ratio: 17 .....	N/A
Gear Ratio: 18 .....	N/A
Auxiliary Transmission (352) .....	NO AUXILIARY TRANSMISSION
Low Gear Ratio .....	N/A
High Gear Ratio .....	N/A
Transfer Case (373) .....	NO TRANSFER CASE
Low Gear Ratio .....	N/A
High Gear Ratio .....	N/A
Rear Axle (420) .....	RT-46-160P 46,000# R-SERIES TANDEM REAR AXLE
Number of Speeds .....	1
Rear Axle Gear Ratio(s) .....	4.56 REAR AXLE RATIO
Rear Tires (094) .....	MICHELIN XDS2 11R22.5 16 PLY RADIAL REAR TIRES
Revolutions per Mile .....	496

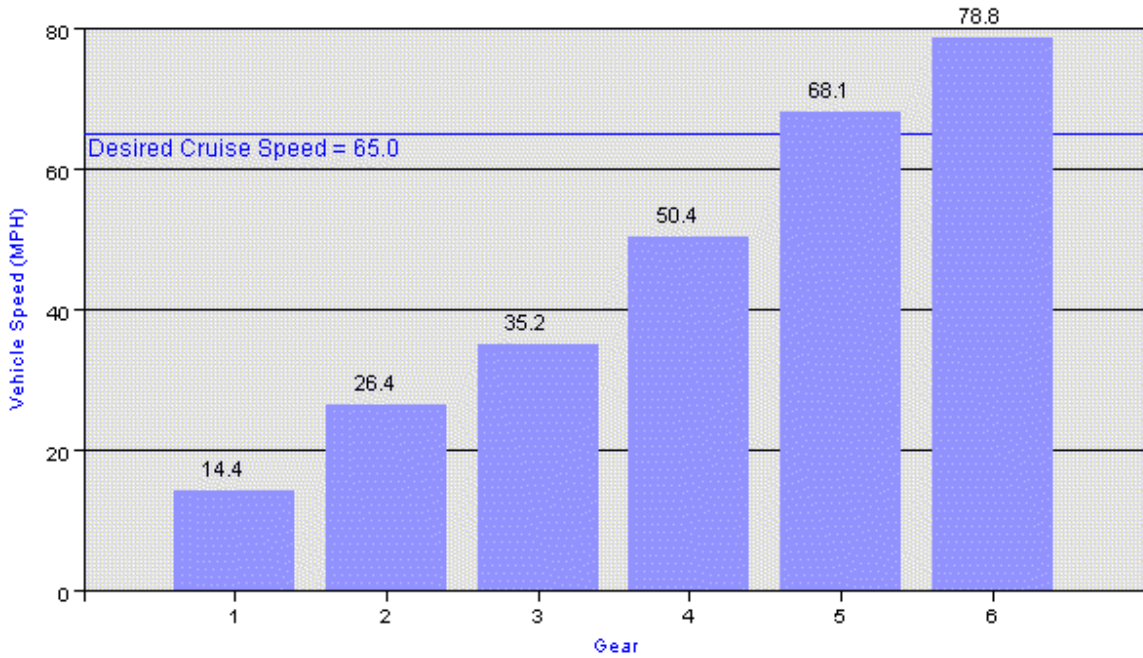
**TABLE SUMMARY - SHIFT CHART**

Transmission Gear	Transmission Gear Ratio	Rear Axle Ratio	Overall Gear Ratio	Percent Split	RPM After Shift	MPH at Peak Torque RPM	MPH at Governed
1	3.51	4.56	16.01	N/A	800	8.3	14.4
2	1.91	4.56	8.71	83.8	1034	15.3	26.4
3	1.43	4.56	6.52	33.6	1423	20.4	35.2
4	1.00	4.56	4.56	43.0	1329	29.2	50.4
5	0.74	4.56	3.37	35.1	1406	39.4	68.1
6	0.64	4.56	2.92	15.6	1643	45.6	78.8

**Prepared by:**  
Joshua Beck  
BOYER FORD TRUCKS, INC.  
2500 BROADWAY DRIVE  
LAUDERDALE, MN 55113  
Phone:

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.

**OPERATING SPEED**



Rear Axle Ratio = 4.56

Engine RPM = 1900

**VEHICLE SPECIFICATIONS SUMMARY - OPERATING SPEED**

Model .....	47X
Cab Size (829).....	111 INCH BBC CONVENTIONAL ALUMINUM CAB
Top Speed (mph).....	78.8
Engine RPM .....	1900.0
Desired Cruise Speed (mph) .....	65.0
Engine (101).....	DETROIT DD13 GEN 5 12.8L 470 HP @ 1625 RPM, 1900 GOV RPM, 1650 LB-FT @ 975 RPM
Governed RPM.....	1900



Transmission (342).....ALLISON 4000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION  
 Rear Axle (420) .....RT-46-160P 46,000# R-SERIES TANDEM REAR AXLE  
     Number of Speeds.....1  
     Rear Axle Gear Ratio(s).....4.56 REAR AXLE RATIO  
 Rear Tires (094) ..... MICHELIN XDS2 11R22.5 16 PLY RADIAL REAR TIRES  
     Revolutions per Mile .....496  
 Auxiliary Transmission (352)..... NO AUXILIARY TRANSMISSION  
     High Gear Ratio.....N/A  
     Low Gear Ratio.....N/A  
 Transfer Case (373).....NO TRANSFER CASE  
     High Gear Ratio.....N/A  
     Low Gear Ratio.....N/A

**TABLE SUMMARY - OPERATING SPEED**

Transmission Gear	Transmission Gear Ratio	Overall Gear Ratio	Vehicle Speed (MPH)
1	3.51	16.01	14.4
2	1.91	8.71	26.4
3	1.43	6.52	35.2
4	1.00	4.56	50.4
5	0.74	3.37	68.1
6	0.64	2.92	78.8
Desired Cruise Speed (mph)			65.0
Engine RPM			1900
Rear Axle Ratio			4.56
*Blue background represents value input by user.			

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.

**TO:** Mayor & City Council  
**FROM:** Eric Johnson, Community  
 Development Director



**DATE:** March 16, 2022

**Meeting Date:** 03/21/2022

**SUBJECT:** Hermantown Youth Soccer  
 Association Water Usage

**Agenda Item:** 12-D

**Resolution:** 2022-36

**REQUESTED ACTION**

Approval of a grant for Hermantown Youth Soccer Association of 20% of water bill with a cap of \$3,000.00.

**BACKGROUND**

A part of the 2022-24 User Group Agreement discussion between the Hermantown Youth Soccer Association (HYSA) and the City, HYSA is requesting a grant to aid them in the cost of their water usage at Stebner Park.

In 2013 the City provided the Hermantown Area Hockey Association (HAHA) a 20% grant towards their water bill for the cost of flooding the outdoor rinks. This request was made again in 2018 and 2019. In all cases, the City approved the transfer of money from the Park Budget in the General Fund to the water enterprise fund to cover this request. In 2019 this amount was for \$2,000.

In 2021, HYSA incurred the following expenses associated with their water usage at Stebner Park. The water was primarily used for irrigating the soccer fields with a small amount associated with the restrooms and concession building. The usage for 2019, 2020 and 2021 are as follows:

Item	2021		2020		2019	
	Gallons	Charges	Gallons	Charges	Gallons	Charges
1962-00 Front Field	1,113,400	\$10,753.19	760,500	\$7,088.23	540,800	\$4,836.28
1963-00 Back Field	515,700	\$4,963.16	582,600	\$5,421.31	444,000	\$3,986.10
1968-00 Restroom #1	5,070	\$103.90	-	-	11,140	\$135.74
2031-00 Restroom #2	4,000	\$84.53	-	-	3,300	\$60.84
3059-00 Concession	2,000	\$72.64	-	-	5,100	\$74.09
<b>Total</b>	<b>1,640,170</b>	<b>\$15,977.42</b>	<b>1,343,100</b>	<b>\$12,509.54</b>	<b>1,004,340</b>	<b>\$9,093.05</b>

The Hermantown Park Board recommended a 20% grant, to be capped at \$3,000.00 at their March 16, 2022 meeting. The recommendation is being forwarded to the City Council for action at the March 21, 2022 meeting. Should the City Council approve the grant, City staff will then update the user agreement with HYSAs to reflect this grant for the 2022-2024 agreement period. The user agreement would then be brought to the City Council for their review and approval.

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**SOURCE OF FUNDS (if applicable)**

General Fund (101-452100-720) to the Water Enterprise Fund (601-39210)

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**ATTACHMENTS**

- Resolution

**Resolution No. 2022-36**

**RESOLUTION PROVIDING A GRANT TO THE  
HERMANTOWN YOUTH SOCCER ASSOCIATION**

WHEREAS, the Hermantown Youth Soccer Association provides field space for soccer and open play for all ages; and

WHEREAS, these fields provide recreational opportunities to the residents of the City of Hermantown, and

WHEREAS, the City Council has determined that it is in the public interest to provide recreational opportunities to its citizens, and

WHEREAS, the City provides in kind services related to park maintenance and repair to other recreation programs in the City, and

NOW THEREFORE, BE IT RESOLVED by the City Council of the City of Hermantown to provide a grant in the amount of 20% of the yearly water usage with a cap of \$3,000 to the Hermantown Youth Soccer Association to cover the costs of water to irrigate the fields and provide water to public facilities as follows:

1. The grant will come in the form of a credit on the water bill
2. The Finance Director is authorized to transfer funds from the Park Budget in the General Fund (101-452100-720) to the Water Enterprise Fund (601-392010)

Councilor \_\_\_\_\_ introduced the foregoing resolution and moved its adoption.

The motion for the adoption of such resolution was seconded by Councilor \_\_\_\_\_ and, upon a vote being taken thereon, the following voted in favor thereof:

and the following voted in opposition thereto:

WHEREUPON, such resolution was declared duly passed and adopted on the March 21, 2022.