



CITY COUNCIL MEETING AGENDA
TUESDAY JANUARY 16, 2024

CITY COUNCIL MEETING TIME: 6:30 PM

1. Call to Order

2. Pledge of Allegiance

3. Roll Call

4. ****Consent Agenda****

All items listed under Consent Agenda are considered to be routine by Council and will be acted on by one motion. There will be no separate discussion of these items. If discussion is desired, that item will be removed from the Consent Agenda and will be considered separately.

a. Approval of City Council Minutes from the January 2, 2023, Regular City Council Meeting.

b. Approval of Accounts Payable; (Batch # 1; Checks Numbered 22544-22564, Batch # 2; Checks Numbered 22565-22582).

5. Set Agenda – Anyone Not on the Agenda can be Placed Under Open/Misc.

6. Reports of Boards and Committees by Council and Staff.

7. West Hennepin Public Safety – Director Gary Kroells: Presentation of the December 2023 Activity Report.

8. Annual City Council Appointments.

a. **RESOLUTION 24-0116-01** - Annual Organizational Appointments.

b. **RESOLUTION 24-0116-02** - Approval of Planning Commission Reappointment.

- Reappointment of Planning Commission Members - Anita Volkenant and Steve Thompson.

9. Annual Fee Schedule Adoption.

a. **RESOLUTION 24-0116-03** - Annual Fee Schedule Adoption.

10. Signature Authorization of Administrative Services Director.

a. **RESOLUTION 24-0116-04** – Authorizing Administrative Services Director as Signatory on City Accounts.

11. Consideration of Public Works Tandem Axel Truck Purchase for 2024.

12. Open/Misc. (March 5, Meeting Date Change Discussion – Due to Election).

13. Adjourn.



CITY COUNCIL MEETING MINUTES
TUESDAY JANUARY 2, 2024

CITY COUNCIL MEETING TIME: 6:30 PM

1. Call to Order

Pursuant to due call and notice thereof, a regular meeting of the Independence City Council was called to order by Mayor Johnson at 6:30 p.m.

2. Pledge of Allegiance

Mayor Johnson led the group in the Pledge of Allegiance.

3. Roll Call

Present: Mayor Johnson, Grotting, McCoy, Attorney Vose

Absent: Councilor Betts, Councilors Spencer

Staff: City Administrator Kaltsas and Administrative Services Director Simon

Visitors: See Sign-in Sheet

4. ****Consent Agenda****

All items listed under Consent Agenda are considered routine by Council and will be acted on by one motion. There will be no separate discussion of these items. If discussion is desired, that item will be removed from the Consent Agenda and will be considered separately.

a. Approval of City Council Minutes from the December 19, 2023, Regular City Council Meeting.

b. Approval of Accounts Payable; (Checks No. 22527-22543).

Motion by McCoy, seconded by Grotting to approve the Consent Agenda. Ayes: Johnson, McCoy, Grotting. Nays: None. Absent: Betts, Spencer. Abstain. None. MOTION DECLARED CARRIED. 3-0

5. Set Agenda – Anyone Not on the Agenda can be Placed Under Open/Misc.

6. Reports of Boards and Committees by Council and Staff.

Grotting attended the following meetings:
Planning Commission Meeting

Johnson attended the following meetings:
Planning Commission Meeting

7. Brian Anderson (Applicant) and Peter Johnson (Owner) are requesting the following actions for the property located at 6220 CSAH 11 (PID No. 02-118-24-32-0001) in the City of Independence, MN:

- a. **RESOLUTION NO. 24-0102-01** – Considering approval of a minor subdivision to allow a lot split which would create a new eight (8) acre parcel on the north side of the existing creek and would be accessed via Stephanie Way; and

A variance to allow a new property to be created which has less than the requisite lot frontage on a public road or right of way.

Kaltsas - considered at Planning Commission Meeting at the end of December. Request for minor subdivision to permit Rural view lot and a variance to allow a reduction requisition of property at 6220 County Rd 11. Applicant and owner requested city consider allowing a minor subdivision to create a new 8-acre parcel in the NE portion of the property that would be accessed via Stephanie way. Requesting a variance to allow reduction in the frontage required. Zoned Ag, guided as RR in comp. 57 acres overall. In the proposed after condition would break the property into an 8 acre in NE corner and remainder of about 49 acres overall. Could be subdivided into additional lots. Leave AG property and utilize provisions of the rural view lot. Properties to North and East are RR, West and South are still AG. The pink line that runs North/South shows RR and AG guided properties. We look at how it fits into the rest of the city. One conversation we had with applicant and owner and at the Planning Commission, the idea Stephanie way connects to this property from the North. There is a provision in the cities ordinance, if you are on the bulb of the cud-de-sac the requisite frontage is 50 lineal feet. It doesn't have clear frontage on the bulb. How does future planning happen with the surrounding properties and this property. Some challenges with developing this property. If Stephanie way needs to continue through this property, there is a lot of wetlands that would cause challenges and buildable lots. There is a connection to Lake Sarah Rd on the E side of the bank of properties. There is a connection from Dillon Lane that comes directly into this property. The parcel they are breaking off is along the wetlands. Connecting that to Stephanie way is much more fit. Consider allowing developing this parcel as an 8-acre parcel. All of this is upland. Min. frontage requirement relates to the amount of acreage being subdivided. Needs 350ft of frontage. This would have 120ft. If you are on the bulb of a cul-de-sac the req is 50 lineal feet. It is very grey. It is not clear frontage on the bulb. The other requirement is no more than 1-4 lot depth ratio. The remainder piece would have frontage on County Rd 11. No new nonconformities in the after condition. The existing house is boarded up and not inhabited. If approved by council, it would require owner to vacate the septic tank and not be allowed to be lived in. In order for the city to consider this, council needs to find that Stephanie way would not be extended in the

future. And granting 350ft to 120 ft of frontage. Grant the ROW and park dedication fee. PC had a good discussion and came to determination that the extension of Stephanie way does not make sense and residents did not want to see more lots developed or extended. PC did see this lot fitting with Stephanie way better and recommended approval of the subdivision and variance.

Johnson – I remember discussion on this property when we did the comp plan change to include Johnson property about 15 years ago. With that creek there, that was the only way that they could get access to that property. Several neighbors concerned with the proper drainage of the creek. What way does that water run, independence?

Kaltsas – Lake Sarah I believe.

Johnson – It looks like the creek splits to the East. Does it go to the Schumacher Farm?

Kaltsas – I think that was man made. The wetlands always had a flow through. It should be going to the East. PC did recommend a drainage and utility easement be added.

Vose – if you touch the bulb, you are on a cul-de-sac. That's not the interpretation here. The property to the east since the curvature is in the property. Not this property.

Kaltsas- the bulb in this case is from the start all the way around. The frontage on this is generally straight.

Vose – we always concerned about precedents. It seems unlikely you would want to make access even if you extend the curvature of the cul de sac and concluded there was 50 feet. When you have a topographic feature like a creek bisecting a property, most cities would recognize that as a reason of granting a variance or CUP.

Grotting – what's stopping it from switching to RR, is it the frontage?

Kaltsas – yes. Someone could come in but they would have to build additional public ROW. Its not impossible to do that but they do not have the frontage to do that currently.

Motion by McCoy, seconded by Grotting to approve resolution 24-0102-01. Ayes: Johnson, McCoy, Grotting. Nays: None. Absent: Betts, Spencer. Abstain. None. MOTION DECLARED CARRIED. 3-0

8. Mike Reneau (Applicant) Greg Page (Owner) is requesting the following action for the property located at 7075 Highway 12 (PID No. 22-118-24-24-0001) in the City of Independence, MN:

- a. **RESOLUTION NO. 24-0102-02 – Considering approval of a conditional use permit (CUP) to allow a 500 SF ground mounted solar system and denial of a variance to allow a ground mounted solar system that is greater than 500 SF.**

Kaltsas – went before Planning Commission at last meeting. Presented here in the request. CUP and variance to construct a solar system. CUP for the ground mounted solar system, also a variance for over 500ft. There is an existing home and several detached structures. Property is currently zoned as AG, guided as AG. The property is 42 acres. There is 550 acres under the same property owner in total. Solar is a CUP in the city. We set additional provisions regarding that capped ground mounted solar 500sq ft. You need to have a hardship or unique conditions that would be needed. Applicant is asking for approval 4 different arrays of 2,000sqft. Located in a way that would meet all setbacks and

limited visibility of any surrounding properties. 1,000 ft from Hwy 12 and to the East is 0.5 miles. The reason for additional sq ft was to provide electricity needed to operate their current residential uses. They are proposing a system that would generate 32.8 kilowatts. It wouldn't over generate, just what they would consume. The city had a few of these requests in the past. We adopted the ordinance when these were coming up for typical situations. Ground mounted solar can have an impact on other surrounding properties so we required the CUP. We established 500 sq ft max for the typical residential home. Their system 55,000 kilowatt hours per year. This is about 4-5 times the size of a typical home. 500 sq ft has accommodated many homes, but the last few have been over the sq ft and uses. Planning Commission said we don't have a hardship since they just want to create more power because you have a bigger house. Planning Commission said we should look at the ordinance since we have more experience with this now and have a better metric to establish threshold. More discretion to review. Planning Commission recommended approval of CUP but denial of the variance of over 500 sq ft. There was one resident that called in on Pioneer Creek to see if they can see it and they also wanted more info on it. No public comment at the hearing.

Johnson – Planning Commission said we need to review this.

Grotting - didn't we set it at 500 because technology would improve these panels to produce more and it wouldn't be about square footage.

Kaltsas – we did say that. Technology is continuing to change. They are doing solar shingles (GIF), Tesla is doing solar shingles. We are getting requests under current technology. Planning Commission was adamant in producing additional power was a non-starter. We were pretty clear on the community solar, and we specifically don't allow for that. This residential comes up because this might work and meet criteria but not grant variances just because.

Grotting – if I have an array and strategically placed, I am producing a lot more on any day than if it was fixed on my roof.

K – trackers can produce more efficiently. We also have a max height, but these are under that. There are other ways to do this like attaching to the house. There isn't a hardship or a unique situation.

Vose – this is a classic case where you have a use that you said under code that you don't want to negatively impact neighbors. This one can be screened from everyone. If it needs a larger array, it calls out to change code for people to serve their own needs. Do you want to limit because you will get pressure. It is a policy decision not a legal decision. This is not unique.

Ray – this fits what they want and their needs, but the next property may not be able to hide a 500ft array. There are places that work and places it doesn't. There are diverse topography to allow some of these. You aren't going to see this from anywhere.

Grotting – why are we saying no to this? No one cares, but we do need to change our ordinance.

Kaltsas – their recommendation was to look at the ordinance. I think we do it quickly at their next meeting with ideas to talk about it. There is a question about opening the solar garden again, but I don't think we want that. We can come up with some criteria like the accessory building that makes this work under distinct criteria.

Johnson – the alternative might be that more people add more solar to additional buildings on the property.

Kaltsas – you can go through the process, or you can cover your roof. It's not just as easy to do that either. Their roof isn't set up for this.

Vose – Get a copy of the resolution to the applicant since it is partial denial.

Motion by Grotting to approve as written, seconded by McCoy to approve a conditional use permit (CUP) to allow a 500 SF ground mounted solar system and denial of a variance to allow a ground mounted solar system that is greater than 500 SF. Ayes: Johnson, Grotting, McCoy. Nays: None. Absent: Betts and Spencer. Abstain. None. MOTION DECLARED CARRIED. 3-0

9. Open/Misc.

10. Adjourn.

Motion by Grotting, seconded by McCoy to Adjourn meeting at 7:13pm. Ayes: Johnson, Grotting and McCoy. Nays: None. Absent: Betts and Spencer. Abstain. None. MOTION DECLARED CARRIED. 3-0

Respectfully submitted,

Carrie Solien, Recording Secretary

Date: January 12th, 2023

To: Public Safety Commissioners
City of Independence Council Members
City of Maple Plain Council Members

From: Director Gary Kroells

SUBJECT: DECEMBER 2023 ACTIVITY REPORT



The purpose of this report is to give the reader a quick overview of the activities of the Public Safety Department each month. It also compares monthly and year-to-date information to the reader.

The report is broken down into five categories, as defined by the Criminal Justice Reporting System.

CRIMINAL-- Criminal is broken down into Part I and Part II crimes.

Part I includes crimes against persons versus crimes against property; criminal homicide, forcible rape, robbery assault, aggravated assault, burglary -breaking or entering, larceny-theft, larceny analysis, motor vehicle theft and arson.

Part II includes other assaults, forgery and counterfeiting, fraud, embezzlement, stolen property, buying, receiving, possession; vandalism, weapons, carrying, possessing, etc.; prostitution and commercialized vice, sex offenses; drug abuse violations, gambling, offenses against the family and children, driving under the influence, liquor laws, drunkenness, disorderly conduct, vagrancy, all other offenses, suspicion, curfew and loitering laws - persons under 18; and runaways - persons under 18.

TRAFFIC-- Includes violations of the road and driving laws.

PART III-- Lost and Found: Includes lost and found persons, animals, and property, and stalled and abandoned vehicles.

PART IV-- Casualties: Includes all motor vehicle crashes, boating, and snowmobile; public home occupational accidents, fires, suicides, sudden deaths, burning permits, and burning violations.

PART V-- Miscellaneous Public: Includes open doors, gun permit applications, suspicious activities, animal complaints, motorist assists, alarm calls, parking complaints, house checks, driving complaints, civil matters, family disputes, department assists.

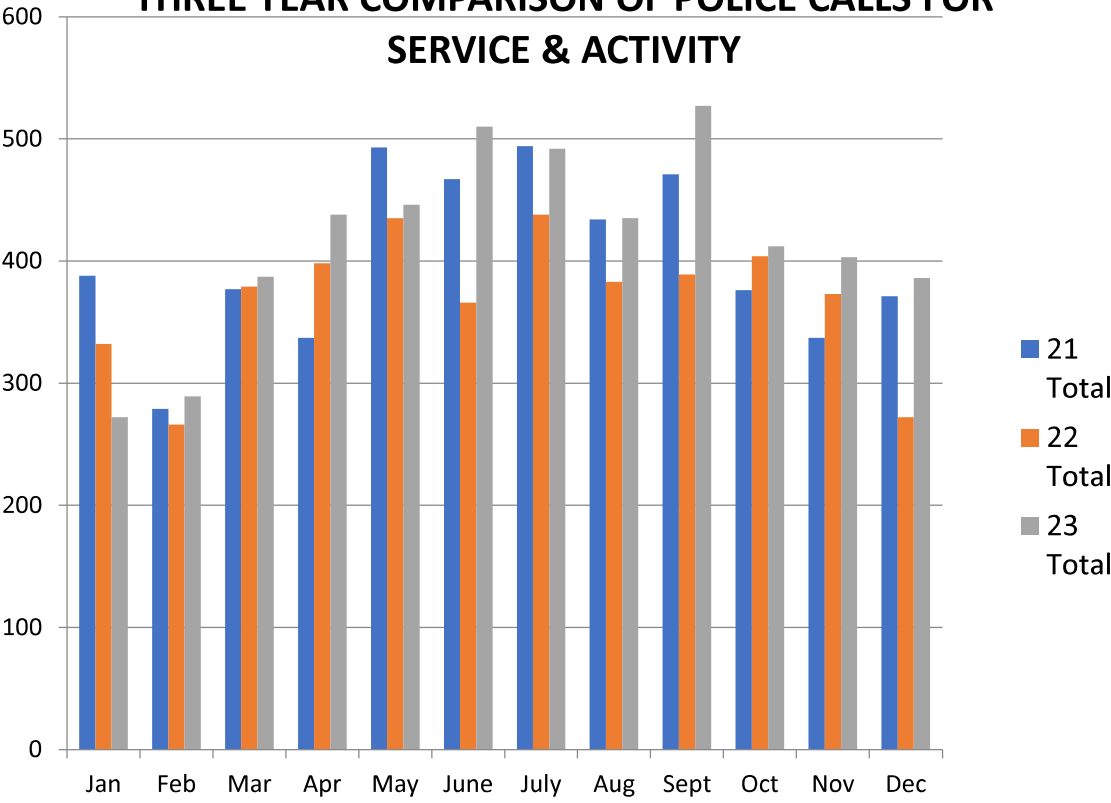
The balance of the report shows the total number of incidents handled, miles driven and how the Public Safety Department received calls. If anyone should desire more detailed statistical data, please contact my office.

Monthly Activity Report

December 2023

Offense	This Month	Same Month Last Year	This Year To Date	Last Year To Date
City Of Independence				
Criminal	8	3	50	62
Traffic	89	25	1,165	948
Part III	4	2	55	42
Part IV	35	55	393	373
Part V	112	84	1,362	1,251
Total City of Independence	248	169	3,025	2,676
City Of Maple Plain				
Criminal	0	3	37	44
Traffic	22	22	502	272
Part III	1	0	30	18
Part IV	36	25	314	241
Part V	43	37	553	568
Total City Of Maple Plain	102	87	1,436	1,143
Grand Total Both Cities	350	256	4,461	3,819
TZD	0	0	394	135
Agency Assists	36	16	313	280
Total ICR Reports	386	272	5,168	4,234
How Received				
Fax	6	9	113	86
In Person	21	12	162	154
Mail	0	1	4	10
Other	1	0	11	12
Phone	21	21	312	327
Radio	166	161	1,861	1,738
Visual	125	48	2,026	1,407
Email	16	7	191	204
Lobby Walk In	30		317	268
Total	386	259	4,997	4,206

**THREE YEAR COMPARISON OF POLICE CALLS FOR
SERVICE & ACTIVITY**



December 2023 Part I & II**City of Maple Plain #'s 1 & 2**

AGN	ICR	Title	Create Date	Grid #	Committed Date	MOC range	UCR Part
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December 2023 Part I & II**City of Independence Grid #'s 3-5**

AGN	ICR	Title	Create Date	Grid #	Committed Date	MOC range	UCR Part
WHPS	23004658	Burglary/Rpt	2023-12-02	03	2023-12-02	B3564	1
WHPS	23004780	Traffic Arrest – 5 th Degree Narcotics	2023-12-13	03	2023-12-13	DH5C0	2
WHPS	23004815	4 th Degree DWI	2023-12-17	03	2023-12-17	JG501	2
WHPS	23004852	4 th Degree Assault	2023-12-20	04	2023-12-20	A4007	2
WHPS	23004894	Theft/Rpt	2023-12-23	03	2023-12-23	Q0008	2
WHPS	23004912	DWI Narcotics	2023-12-25	03	2023-12-25	JG608	2
WHPS	23004930	DWI	2023-12-27	03	2023-12-27	JGW01	2
WHPS	23004991	Domestic Arrest	2023-12-30	05	2023-12-30	AL301	2

DIRECTOR'S NEWS & NOTES

WEST HENNEPIN PUBLIC SAFETY December 2023 Activity Report

Year to Date Activity Report

At the end of December 2023, West Hennepin Public Safety (WHPS) handled year-to-date a total of 4,997 incident complaints. For the month of December, 248 incidents occurred in the City of Independence and 102 in the City of Maple Plain.

The Criminal Part I and Part II cases for both cities have been highlighted for your review on the attached documents.

Welfare Check December 1

5100 block of Highway 12, Maple Plain. Officer was dispatched to check on a male acting odd. Reporting party advised the male was asking personal questions about the employee's religion. Staff ultimately asked him to leave. Later in the day, the male came back and told employees they have a burnt-out light bulb and then left. Reporting party advised he was acting off and making the employees feel uneasy. Officer made contact with the male who admitted to asking some odd questions and bouncing around on conversation topics. He was warned about potentially being trespassed from the business. He understood.

Burglary December 2

6700 block of Highway 12, Independence. Officer was dispatched to a burglary of an unoccupied out-building with numerous tools taken. It was also found the side-by-side was stolen from outside the building. Estimated loss is over \$15,000. Forwarded to investigations.

Missing Person December 3

Intersection of Ihduhapi Trail and County Road 11, Independence. Officer was dispatched to a possible missing person report. Reporting party called and advised he was worried about his wife. He stated his wife was at a restaurant in Apple Valley and hadn't returned home. Reporting party tracked her phone to Independence. While speaking to him, he was able to get ahold of her and no longer needed assistance.

Crash
December 4

9000 block of Highway 12, Independence. Officer was dispatched to a vehicle fire caused by a property damage crash. Officers arrived on scene and found the vehicle was fully engulfed. DFD responded and extinguished the fire. It was found a eastbound vehicle was turning left into the church parking lot. Vehicle one was stopped waiting for this vehicle to turn. Driver of vehicle two did not see the vehicles stopped and rearended vehicle one after closing his eyes to sneeze. Driver of vehicle two was transported to the hospital due to chest pain. Driver two was uninjured.

Welfare Check
December 7

2000 block of Nelson Road, Independence. Officer was dispatched to a welfare check. Female caller advised she recently broke up with her boyfriend who was making suicidal comments. Officer arrived at the male's residence and found he had left in a vehicle to drive to the female's house. Officers eventually located the male, and he was placed on an emergency transport hold due to several suicidal comments.

Traffic Stop
December 7

Intersection of Highway 12 and County Road 90, Independence. Officer received a notification regarding a stolen license plate in the area. Officer initiated a traffic stop on that vehicle and determined one license plate was stolen and the other was left on his vehicle. Driver advised he has obtained new license plates but hadn't displayed them yet. Officer took the other license plate off the vehicle and destroyed it.

Traffic Complaint
December 9

500 block of County Road 110, Independence. Officer was dispatched to a driving complaint where a vehicle was doing donuts at a nearby church. Report party provided a license plate and advised he was speaking to the parties involved. Officer spoke with the occupants of the vehicle and observed a handgun sticking up next to the center console. Occupants were placed in handcuffs. Ultimately, the handgun was an airsoft replica gun. Parents were contacted and made aware of the contact. Parents requested the airsoft gun be disposed of. Citation issued for the driving conduct.

Citation

December 11

Intersection of Highway 12 and Hitsman Lane, Independence. Officer was on routine patrol in the area and observed a vehicle driving 86-MPH in a 55-MPH zone. Officer stopped the vehicle and contacted the occupants of the vehicle. Both occupants were antsy and squirming around their seats. Open alcohol bottle, marijuana pipes, and a replica airsoft gun was found in the vehicle. Citation issued and juvenile parents contacted.

Welfare Check

December 11

1500 block of Howard Avenue, Maple Plain. Officer was dispatched to a welfare check of a male sleeping in a vehicle with a child in the backseat. Officer arrived on scene and found a male reclined in the front seat of the vehicle. Officer knocked on the window and the male woke up and opened the door. Officer spoke to the driver who explained he was waiting for his girlfriend to get done working. The child appeared to be happy and in good health. Officer found the driver's license status to be cancelled and the vehicle had expired registration. His girlfriend's license status was also not valid. Officer advised to find a valid driver to drive home and get the equipment violations fixed.

Welfare Check

December 11

Intersection of Highway 12 and County Road 90, Independence. Officer was dispatched to a male in reflective clothing waving his arms and trying to stop traffic. Officer arrived in the area and located the male walking westbound. Officer spoke to the individual who advised he was working a concrete job and was upset his boss was making them work until midnight. He was in despair and was trying to get home but couldn't get ahold of any friends or family for a ride. Officer gave him a ride to a nearby gas station and bought him a coffee while he waited for a ride.

Crash

December 12

Intersection of Highway 12 and Halgren Road, Maple Plain. Officer was dispatched to a property damage crash. Officer arrived on scene and confirmed there were no injuries. In speaking with the drivers, it was found traffic was stopped and one of the drivers began to slow when his foot slipped off the brake and hit the gas. There was minor scratches and scuffs to the bumpers. Verbal warning was given for following too close.

Arrest

December 13

5700 block of Highway 12, Maple Plain. Officer was monitoring traffic and observed the registration of a vehicle showed the owner's driving status to be revoked. Officer initiated a traffic stop and confirmed the driver's license status was revoked. The driver was unable to provide proof of insurance. Officer confirmed insurance was cancelled. Driver arrested for Gross Misdemeanor no insurance. During an inventory of the vehicle, hypodermic syringes, methamphetamine, and improperly packaged marijuana was found. Driver transported to Hennepin County Jail pending formal complaint.

Trespass

December 14

5700 block of Maple Ridge Drive, Maple Plain. Officer was dispatched to issue a trespass notice. Reporting party wanted to trespass his nephew from the property. Report party advised his sister is sick, unable to care for herself, and he has power of attorney. He's currently going through the process to evict his nephew from his sister's property and the subject's behavior has been unpredictable. Officers issued a trespass notice without incident.

Fire

December 15

4700 block of Townline Road, Independence. Officers were dispatched to a chicken coop fire reported by the neighbor. Officer arrived on scene and found the homeowners were asleep. Officer did not locate anything suspicious around the fire or footprints in the frozen grass. West Suburban Fire Department arrived and extinguished the fire. Officer observed a basic small gauge electrical cords running to the back of the chicken coop to the back of another storage shed. Homeowners advised an electrician had recently been out to do work on the chicken coop due to power issued. Fire Investigator arrived and agreed the ignition point was near the heating elements.

Arrest

December 17

Intersection of County Road 110 and Robert Road, Independence. Officer was on routine patrol when a vehicle was driving faster than to posted speed limit and crossed the fog line while driving. Officer initiated a traffic stop and spoke to the driving. Officer observed indicators of alcohol impairment while speaking to the driver. Driver refused to perform field sobriety testing but agreed to HGN and a preliminary breath test. He was ultimately arrested for DWI and provided an evidentiary breath sample of 0.15. He was booked a released to a sober party.

Welfare Check
December 20

5200 block of Main Street, Maple Plain. Officer was dispatched to a welfare check where a female was walking down the street trying to open doors to businesses and houses. Reporting party advised she was talking to herself. Officer located the female who was having a mental health crisis. She was placed on an emergency transport hold and brought to the hospital.

Mental Health
December 20

3600 block of Ihduhapi Trail, Independence. Officer was dispatched to a possible assault. Officers arrived on scene and learned there was an altercation but no criminal assault. While trying to get transportation for the subject, he began making suicidal statements. It was determined an emergency transport hold was necessary. The subject would not comply and became hostile towards Officers. Ultimately, subject had to be restrained due to kicking and biting officers. Subject was transported to the hospital.

Animal Complaint
December 21

1500 block of Howard Avenue, Maple Plain. Officer was dispatched to an animal complaint regarding a dog that continues to bite his girlfriend. Officer called the reporting party who advised he has a 10-month-old Golden Retriever-mix who plays too much and isn't trained. He advised the dog pulls on the hoods of their sweatshirt and bites their arms and they don't want the dog anymore. Officer advised to surrender the dog to the humane society. Later, it was found they abandoned the dog in a neighboring city. Case under investigation.

Arrest
December 24

Intersection of County Road 11 and County Road 90, Independence. Officer was dispatched to damage to property report where a vehicle struck the stop signs at the intersection. Officer notified public works to repair the signs. Officer continued searching the area for a suspect and located tire marks in the yard of a nearby residence. Officer eventually contacted the driver whose driver's license status was cancelled, inimical to public safety. He was arrested, booked, and released to a valid driver pending charges.

Suspicious Activity

December 24

1200 block of Nelson Road, Independence. Officer was dispatched to damage to property in the area. Reporting party advised there were vehicles driving in the open field. Officer arrived in the area and found four vehicles driving approximately 58-MPH in a 40-MPH zone. Officer stopped a pickup truck that was covered in mud and the driver advised he accidentally went into the ditch and one of the other vehicles pulled him out. Both drivers were juveniles. Parents were notified and advised if the property owner were to seek resolution, they would be responsible.

Arrest

December 25

Intersection of Highway 12 and County Road 90, Independence. Officer was dispatched to a report of a vehicle atop of the roundabout. Officer arrived on scene and found the driver trying to move the vehicle. Driver admitted to driving too fast and taking Xanax and Adderall before driving. He was sluggish, couldn't stand or talk, and continued falling asleep. He was placed under arrest for suspicion of DWI. A blood draw was conducted. Pending results and charges.

Medical

December 25

1400 block of Halgren Road, Maple Plain. Officer was dispatched to a patient having a seizure. Officer arrived on scene with MPFD, and the patient was out of seizure but was unconscious and breathing heavy. Once the patient was awake, he denied taking any narcotics and couldn't remember what happened. Officer observed multiple jars of THC in the living room and learned the patient hadn't eaten. North Memorial Paramedics arrived on scene and took over care.

Arrest

December 26

Intersection of Highway 12 and Pioneer Avenue, Maple Plain. Officer received information from a neighboring county for an individual wanted for domestic assault. Officer located the suspect vehicle and initiated a traffic stop. The subject was arrested without incident and transferred custody to the charging agency. There was a dog in the vehicle at the time of arrest. Arrangements were made to have someone pick up the dog and drive the vehicle.

Arrest

December 27

6500 block of Highway 12, Independence. While on routine patrol, Officer located a running vehicle in a closed business parking lot. Officer approached and found the driver was laying down in driver's seat with an open container in the center cupholder. Driver was instructed to step out of the vehicle, which he complied to. Upon completing a pat down for weapons, a handgun was located in his waistband holster. Driver had a valid permit to carry. Driver refused roadside testing and was ultimately placed under arrest for DWI. After speaking to an attorney, he agreed to the evidentiary breath test which indicated 0.11. He was booked and his permit to carry was seized. He will be charged with DWI and carrying a pistol while under the influence.

Crash

December 28

Intersection of County Road 19 and Perkinsville Road, Independence. Officer was dispatched to a semi on its side. Officer arrived on scene and found the semi came into the sharp curve too fast causing it to roll on its side. The road had to be shut down for a short period of time while the tow truck could tip the truck up right. Driver was cited for failure to drive with due care.

Welfare Check

December 29

4900 block of Highway 12, Maple Plain. Officer was dispatched to multiple calls to do a welfare check on an individual. It was reported the male was sleeping on a bench, asking people for money, beating on his chest, yelling, and talking to himself. Officers arrived on scene and spoke to the subject who was cooperative and requested a ride home. None of the behavior was criminal and the individual is suffering from mental health issues. Officer gave the subject a ride home. Social worker was notified.

Crash

December 29

Intersection of Highway 12 and County Road 92, Independence. Officer was dispatched to a property damage crash where a vehicle missed the turn into the roundabout, struck a sign, and drove up and over the roundabout. Reporting party advised the vehicle did not stop and provided a license plate number and vehicle information. Officer contacted the registered owner who was initially reluctant to be upfront about the crash but eventually admitted to not knowing he needed to stop. Driver was issued a ticket for hit and run and failure to drive with due care.

Welfare Check
December 30

200 block of County Road 19, Independence. Officer was dispatched to a welfare check of a man and his child eating breakfast off the luce line trail. Officer responded and found they were wearing nice, appropriate, winter clothing. Officer made contact with the male who advised they were winter camping, which they do often. No problems.

Arrest
December 30

2700 block of Cardinal Way, Independence. Officer was dispatched to a physical domestic where the male suspect was assaulting his mother and grandmother. Officer arrived on scene and found all parties were calm. Suspect stated he grabbed and pushed both his mother and grandmother. Suspect has a history of violent behavior and has been arrested multiple times in the past for assaulting family members. Ultimately, suspect was arrested for domestic assault and transported to Hennepin County Jail.

Citation
December 31

Intersection of County Road 6 and County Road 110, Independence. Officer was in the area and observed a vehicle pass another vehicle on the right at a stop sign/ Officer began to catch up to the suspect vehicle and saw it illegally pass another vehicle, which driving over the posted speed limit. Officer eventually caught up to the vehicle and initiated a traffic stop. Driver admitted he was probably speeding. Officer explained to the driver he illegally passed, ran the stop sign, passed another vehicle, and was speeding in between. Driver admitted to the violations and stated he had no excuse. Driver was cited for careless driving and expired registration.

City of Independence
Consideration of Annual City Appointments

To: City Council
From: Mark Kaltsas, City Administrator
Meeting Date: January 16, 2024

Discussion:

Each year the City selects Council Members, consultants and staff to serve the City and fill roles supporting boards and commissions. The Council has the discretion to make appointments as necessary. The various positions are identified on the attached schedule. Council appointments that have typically changed on an annual basis are highlighted on the attached appointment schedule.

Requested Action:

It is recommended that the City Council discuss and approve the official 2024 appointments by adopting **RESOLUTION No. 24-0116-01**.

ATTACHMENTS: **RESOLUTION No. 24-0116-01**
Appointment Schedule



RESOLUTION OF THE
CITY OF INDEPENDENCE
HENNEPIN COUNTY, MINNESOTA

RESOLUTION NO. 24-0116-01

**RESOLUTION DECLARING ANNUAL ORGANIZATIONAL
POSITIONS OF THE CITY**

WHEREAS, the City of Independence (the City) annually declares various positions and appointments within the City; and

WHEREAS, the City Council has prepared a list of the appointments.

NOW THEREFORE, BE IT RESOLVED, by the City Council of the City of Independence that it approves the appointments and positions within the City as noted on the schedule attached hereto for 2024.

This resolution was adopted by the City Council of the City of Independence on this 16th day of January 2024, by a vote of _____ ayes and _____ nays.

Marvin Johnson, Mayor

ATTEST:

Mark Kaltsas, City Administrator

City of Independence

2024 Council Appointments

Acting Mayor	Councilor Brad Spencer
Assessor	Hennepin County
Weed Inspector	PW Director Shawn Bode
Assn. of Metro Municipalities	Mayor Johnson
Attorney, Civil	Kennedy & Graven
Attorney, Criminal	Carson, Clelland & Schreder
Auditor	Bergan KDV (Creative Planning Services)
Civil Defense Director	WHPS Director Gary Kroells
Dog Pound	Crossroads Animal Shelter
City Engineer	Kimley-Horn, Michael Kirsch and Bolton & Menk, Inc., Andrew Budde
Fire Department Advisory Boards	
- Maple Plain FD	Mayor Johnson, Councilor Betts, City Admin Kaltsas
- Delano FD	Mayor Johnson, Councilor McCoy, City Admin Kaltsas
- Loretto FD	Mayor Johnson, Councilor McCoy, City Admin Kaltsas
Fire Marshall	Building Official Bruce Satek
Hennepin County Recycling Comm	Administrative Assistant, Linda Johnson
Highway 55 Coalition	Mayor Johnson
Highway 12 Coalition	Mayor Johnson, Councilor Betts
HRA	Mayor Johnson, Councilors Betts, Spencer, McCoy and Grotting
Lake Minnetonka Cable Commission	Councilor Spencer, Alt. Councilor Grotting
Minnehaha Creek Watershed District	Mayor Johnson
Newspaper	Crow River News (official), Pioneer and Delano Herald (optional)
Northwest Hennepin League	Mayor Johnson, Councilors Betts, Spencer, McCoy, Grotting and City Admin Kaltsas
Official Depository	Bank of Maple Plain, Northland Securities, Ehlers & Assoc., League of MN Cities
Pioneer Sarah Watershed	Joe Baker, Alt. Brad Spencer
City Planner	Terramark - Mark Kaltsas
Planning Commission Liaison	Councilor Grotting, Spencer as back-up
Public Works Road Liasion	Councilor Spencer
Registered Municipal Advisor	Tammy Omdal, Northland Securities
Water Resource Staff	Hakanson/Anderson – Shane Nelson and Craig Jochum
West Hennepin Police Commission	Mayor Johnson, Councilor Betts

If a Councilmember is unable to attend a meeting another Councilmember can go in their place as the representative.

City of Independence

Consideration of Planning Commission Reappointments

To: City Council
From: Mark Kaltsas, City Administrator
Meeting Date: January 16, 2024

Discussion:

The City annually reviews the terms of all Council and Commission seats. Two (2) planning commission seats expired on December 31, 2023, for Steve Thompson and Anita Volkenant. Both members would like to continue serving on the Planning Commission for a new three-year term.

Requested Action:

It is recommended that the City Council consider reappointing Steve Thompson and Anita Volkenant to new three-year terms by adopting **RESOLUTION No. 24-0116-02**.

ATTACHMENTS: RESOLUTION No. 24-0116-02



RESOLUTION OF THE
CITY OF INDEPENDENCE
HENNEPIN COUNTY, MINNESOTA

RESOLUTION NO. 24-0116-02

RESOLUTION APPOINTING PLANNING COMMISSION MEMBERS

WHEREAS, the City of Independence (the City) engages advisory bodies to the City Council in addressing planning needs within the community; and

WHEREAS, the commissioner members serve three (3) year terms at the request of the Council; and

WHEREAS, the following commissioner members are seeking reappointment to a new three- year term.

Steve Thompson and Anita Volkenant

NOW, THEREFORE BE IT RESOLVED that the City Council of the City of Independence approves the noted appointments to a new term effective January 1st, 2024.

This resolution was adopted by the City Council of the City of Independence on this 16th day of January 2024, by a vote of ____ayes and____nays.

Marvin Johnson, Mayor

ATTEST:

Mark Kaltsas, City Administrator

City of Independence 2024 Fee Schedule Adoption

To: City Council
From: Mark Kaltsas, City Administrator
Meeting Date: January 16, 2023

Discussion:

The City annually reviews and considers adoption of a fee schedule which establishes fees related to services/permits/review provided by the City. The annual review of the City's fee schedule ensures that the cost of providing various services is commensurate with the services provided. The City has determined that several fees should be amended based on actual costs of providing services and or administration of the fees in 2023. It is recommended that the City Council consider increasing the fees as follows:

1. Quarterly sewer charges are generally proposed to be amended in accordance with the City's sewer charge study (updated in January of 2020). The City has utilized a 3% increase for the past several years and the rates are behind the initially projected rates in the study. The study identifies an annual 5% increase. The City is in the process of preparing a new long range capital improvement plan for the entirety of the sewer system which includes a detailed analysis of each lift station and pipe section. This analysis will be converted into a capital planning document that will project costs associated with maintaining and upgrading the system. Once complete, it is anticipated that we will prepare an update to the sewer rate study in Q3 2024. This will allow the City to reset rate needs. For this year the following quarterly increase is recommended.
 - a. Quarterly sewer access charge: \$263 (\$250 in 23')
 - b. Quarterly availability charge: \$263 (\$242 in 23')

		Current rate		2017	2018	2019	2020	2021	2022	2023	2024	2025
Proposed Rate Quarterly				8%	10%	10%	5%	5%	5%	5%	5%	5%
Residential	\$	168	\$	181	\$ 200	\$ 220	\$ 231	\$ 242	\$ 254	\$ 267	\$ 280	\$ 294
Commercial		871		941	1,035	1,138	1,195	1,255	1,318	1,384	1,453	1,525
Residential cluster		77		83	91	100	105	110	116	122	128	134
Availability		32		74	116	158	200	242	254	267	280	294
Proposed Rate Annual												
Residential	\$	672	\$	726	\$ 798	\$ 878	\$ 922	\$ 968	\$ 1,017	\$ 1,067	\$ 1,121	\$ 1,177
Commercial		3,484		3,763	4,139	4,553	4,781	5,020	5,271	5,534	5,811	6,101
Residential cluster		306		330	364	400	420	441	463	486	510	536
Availability		128		296	464	632	800	968	1,017	1,067	1,121	1,177

2. The City has reviewed planning application fees. The City has noted that more complex applications are costing more to process and review. In order to provide applicants with a more accurate representation of the actual processing and review

costs, it is recommended that the fee structure be modified (escrow for more complex projects) to more accurately align expectations with actual City costs.

- a. Type II Planning Application: \$2,000 fee/\$1,750 escrow (\$2,000/\$1,250 in 23')

Council Recommendation:

City Council is asked to consider approval of **RESOLUTION NO. 24-0116-03** adopting the 2024 fee schedule.

Attachments: Proposed Fee Schedule 2024
 RESOLUTION NO. 24-0116-03



RESOLUTION OF THE
CITY OF INDEPENDENCE
HENNEPIN COUNTY, MINNESOTA

RESOLUTION NO. 24-0116-03

**A RESOLUTION APPROVING AN UPDATE TO THE
CITY'S FEE SCHEDULE**

WHEREAS, the City of Independence (the "City") is a municipal corporation under the laws of Minnesota; and

WHEREAS, the City has adopted a Fee Schedule to set forth fees for certain services provided by the City; and

WHEREAS, the Fee Schedule is referred to in the City's Code of Ordinances and determined to be necessary to ensure that the City is reimbursed for the cost of providing the services.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF INDEPENDENCE, MINNESOTA:

1. The Fee Schedule attached hereto as **Exhibit A** is hereby adopted.

This resolution was adopted by the City Council of the City of Independence on this 16th day of January 2024, by a vote of _____ ayes and _____ nays.

Marvin Johnson, Mayor

ATTEST:

Mark Kaltsas, City Administrator

Exhibit A
(Fee Schedule Attached)

LIQUOR LICENSES

Wine, on sale	\$ 600
On-sale intoxicating	\$5500
Off-sale intoxicating	\$ 240
Sunday On-sale	\$ 200
Beer Off-sale	\$ 50
Beer On-sale	\$ 500
Setup	\$ 500
Investigation fee	\$ 500
Temporary liquor (1-4 days)	\$ 100/day

DOG LICENSES (#)

Lifetime License	\$ 20
Replacement tag	\$ 2
Dangerous Dog annual fee	\$ 500
Dog Impound Fee 1 st Violation	\$ 35
2 nd Violation	\$ 70
3 rd Violation	\$ 105

SERVICE FEES (#)

Address Labels	\$ 50
Address List	\$ 30
Copies 8 ½ x 11	\$.25
Copies, Oversize	\$.50
Copies: City Code Book	\$ 60
Copies: Subdivision Ordinance	\$ 15
Copies: Zoning Ordinance	\$ 15
Copies: Shoreland Ordinance	\$ 15
Copies: City Comp. Plan	\$ 40
Copies: Park Comp. Plan	\$ 15
Copies: Audit Book	\$ 45
City Address Map	\$ 8
Zoning Map (color)	\$ 3
Land Use Map (color)	\$ 3
Assessment Search written req.	\$ 25
Flood Zone Search written req.	\$ 25
Ag Preserve Application	\$ 50
Ag Preserve Expiration	\$ 50
NSF Check	\$ 30
Special Council Meeting fee	\$ 250
Election Filing fee	\$ 2

SIGN PERMIT (#)

Temporary (administrative)	\$ 100
Permanent Sign/Site Plan Review	\$ 250
Farm Nameplate Sign Permit	\$ 25

ZONING FEES

Extension	\$ 250
Appeal Admin. Decision	\$ 750
Move Building	\$ 175
Zoning Permit (Sheds, Ag buildings)	\$ 50
Accessory Building Review	\$ 100
Grading Permit + Deposit (100 cu yd or more)	\$ 300+700
Wetland Delineation/Review + deposit.	\$ 300+700
Other (non-defined) Planning/Review:	\$ 250

Staff time in excess of application fees:

Professional per hour	\$ 120
Clerical per hour	\$ 60

Planning Application Type I-Application Fee:
\$1,500/Additional Fee Deposit \$500

- Concept Minor Subdivision, Minor Subdivision (Minor Subdivision (Lot Line Rearrangement, Lot Consolidation, Rural View Lot Subdivision, Lot Split-2 lots or less)
- Rezoning
- Variance (residential)
- Conditional Use Permit (residential)
- Interim Use Permit (residential)
- Right of Way or Easement Vacation
- Simple Concept Plan
- Simple Zoning Text Amendment
- Simple Site Plan Review

Planning Application Type II-Application Fee:
\$2,000/Additional Fee Deposit \$1,750

- Concept Subdivision, Preliminary Plat (3 lots to 10 lots, plus \$750 per lot) (11 lots to 25 lots, plus \$500 per lot) (more than 25 lots, plus \$400 per lot)
- Final Plat (plus \$250 per lot)
- Conditional Use Permit (commercial)
- Interim Use Permit (commercial)
- Variance (commercial)
- Comprehensive Plan Amendment
- Complex Concept Plan
- Complex Site Plan Review
- Complex Zoning Text Amendment

After-the-fact fees

double

PARK DEDICATION FEES

\$3500 per lot to 4.99 acres + \$750 per acre over 5 acres.

MISC. PERMIT/REIMBURSEMENT FEES

Fireworks Dealer License	\$ 75
Tower (wireless communication)	\$ 1000
Mailbox Reimbursement	\$ 125

LICENSES (#)

Garbage hauler/per year	\$ 150
Per truck per year	\$ 20
Tobacco	\$ 100
1 st Offense	\$ 75
2 nd Offense	\$ 200
3 rd Offense & over	\$ 250
Solicitation	\$ 100

FLAT FEE BUILDING PERMIT FEES (#)

Mechanical	
Furnace	\$ 100
Air Conditioner	\$ 100
Gas Fireplace	\$ 100
Water Heater	\$ 50
Wood stove/fireplace	\$ 100
Chimney	\$ 100
Fuel tank removal	\$ 100
Lawn Sprinkler	\$ 100
Plumbing remodel	\$ 100
Plumbing new	\$ 100
(\$10 per fixture over five)	
Re-roof	\$ 100
Re-side	\$ 100
Window replacement same size	\$ 100 (1) +
(\$10 each additional opening)	

Flat Fee State Permit Surcharge Add \$ 1
(Example: A/C + Furnace = \$201)

Demolition	\$ 100
Driveway	\$ 100
Right Of Way	\$ 100

All Other Building Permits Based on Value
Electrical Permits (Contact State)

SEPTIC FEES

Private On-site Permit	\$	400
Mound Repair	\$	200
Abandonment of System/Tank	\$	75
Holding Tank with Pumping Agreement	\$	100
First Year	\$	50
Annual	\$	25
Operating Permit Business	\$	175
First Year	\$	175
Annual	\$	75
Mid-Size System	\$	400
(+ \$1,000 escrow)		

*Total New Sewer Connection Fee	\$	7760
- Includes \$ 5150 City Sewer Permit		
- Includes \$ 125 Street to house connect		
- Includes \$ 2485 SAC (MUSA)		

*Property with an existing sewer stub paid for prior to December 31, 2020 will pay \$1250 for the City Sewer Permit Fee.

Quarterly sewer access charge	\$	263
Quarterly availability charge	\$	263
(dwellings not connected to available sewer)		
SAC (MUSA)	\$	2485
Winter septic holding tank escrow*	\$	8000
*Plus Administrative fee	\$	55

OTHER INSPECTION FEES

Investigation/Re-inspection Fee	\$	100/1 st Hr.
	\$	50/Hr.
Fire Damage Inspection	\$	100

COMMUNITY ROOM RENTAL (#)

(maximum 200 guests)

Non-Profit	\$	75
Security /Damage Deposit	\$	650
False Fire Alarm	\$	350
Organizations regular mtgs.	\$	100
Events under 50 – resident	\$	150
Events 50 – 100 – resident	\$	200
Events 101 – 150 – resident	\$	300
Events 151 – 200 – resident	\$	400
Funeral – resident	\$	50
Wedding – resident	\$	400

OVERWEIGHT VEHICLE PERMIT FEES-AT THE DISCRETION OF PUBLIC WORKS SUPERVISOR

Daily Permit (per truck/ day max 7 ton)	\$	100
Single Trip-Seasonal, Home Delivery	\$	250
Commercial Tow Truck (per occurrence)	\$	750
No Permit		DOUBLE FEE
Emergency-Well & Septic (max 7 ton)		NO CHARGE
Resident Annual to/from (max 5 ton)		NO CHARGE

ASSEMBLY PERMIT FEES

Small Assembly Permit (50+ attendees)	\$	25
*Medium Assembly (100+ attendees)	\$	25
*Large Assembly (200+ attendees)	\$	100

*Requires West Hennepin Public Safety Deposit (\$500)

PARK RENTAL FEES (#)

Commercial, daily - resident	\$	200
Individual, daily - resident	\$	75
(Liability Insurance Required)		

FREQUENTLY CALLED NUMBERS

City of Independence	763-479-0527
West Hennepin Public Safety	763-479-0500
Burn permits WHPS	763-479-0500
Hennepin County	612-348-3000

CREDIT CARD PAYMENTS ACCEPTED FOR FEES IDENTIFIED WITH THE (#) SYMBOL. THE CITY WILL CHARGE THE LISTED FEE, PLUS APPLICABLE CHARGES FOR PROCESSING THE CREDIT CARD (CURRENTLY 3.00%).

FEE SCHEDULE

Updated January 16, 2024



1920 COUNTY ROAD 90
INDEPENDENCE MN 55359

PHONE: 763-479-0527

FAX: 763-479-0528

Website: <https://ci.independence.mn.us>

ALL FEES ARE NON-REFUNDABLE.

Fees are Subject to change



RESOLUTION OF THE
CITY OF INDEPENDENCE
HENNEPIN COUNTY, MINNESOTA

RESOLUTION NO. 24-0116-04

**A RESOLUTION DESIGNATING ADDITIONAL
OFFICIAL SIGNATORY FOR CITY OF INDEPENDENCE**

WHEREAS, the City of Independence (the “City”) is a municipal corporation under the laws of Minnesota; and

WHEREAS, the City Council has the authority to designate elected officials and staff to act as official signatories of the City; and

WHEREAS, the City Council has appointed an Administrative Services Director to oversee financial matters of the City and regularly act on behalf of the City on all accounts, financial matters and accounts payable; and

WHEREAS, the City has appointed an official Bank (“Bank”) with whom the City does business requires a City resolution designating which City officials and staff are authorized to execute checks and other orders for payment of City funds; and

WHEREAS, the bank with whom the City does business requires a City resolution designating which City officials and staff are authorized to access accounts, execute checks and other orders for payment of City funds; and

WHEREAS, the City desires to designate certain staff members to be able to access account information, execute checks and other orders for payment of City funds;

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF INDEPENDENCE, MINNESOTA: The City of Independence resolves as follows: 1. The City's Financial Services Director, Amber Simon, is hereby authorized to access the City accounts, execute checks, drafts, or other orders for the payment, transfer, or withdrawal of any of the funds or other property of the City on deposit with the Bank in accordance with all applicable policies of the City and Bank, and the Bank is hereby authorized to pay and charge to the account of the City any such checks, drafts or other orders so signed or otherwise authorized. 2. That the City's Mayor and City Administrator will certify to the Bank, the names and signatures, as required by the Bank.

This resolution was adopted by the City Council of the City of Independence on this 16th day of January 2024, by a vote of _____ ayes and _____ nays.

Marvin Johnson, Mayor

ATTEST:

Mark Kaltsas, City Administrator

City of Independence

Public Works Capital Equipment Purchase – New Tandem Axel Truck

To: City Council
From: Mark Kaltsas, City Administrator
Meeting Date: January 16, 2024

Discussion:

The City annually approves a Public Works Capital Equipment plan that projects capital equipment purchases out twenty years. The City has programmed \$326,727.00 in 2025 to purchase a new tandem axel truck. The new truck would be in addition to the trucks already in service and not a replacement. The City has budgeted funds in accordance with the capital equipment plan to purchase the equipment using cash. The City had initially budgeted \$250,000 for this purchase based on numbers that are generally updated every year. The costs significantly jumped in 2022 and again in 2023. In order to accommodate this increase, the City will need to increase capital funding or borrow from itself in 2025 (~\$90,000) to complete this purchase without pushing it back and incurring additional cost increases. The PW Equipment Capital plan will be whole again in 2026.

The City has slated a new tandem axel truck purchase for 2025. The City has researched trucks, visited with different dealers and obtained quotations for several different types of trucks. It was determined that the lead time on a new truck was well over 12 months. In addition, it was determined that the pricing for costs will go up after January 2024 by approximately 20% (~\$28,000). For these reasons, the City would like Council to consider authorizing the future purchase of the truck now so that it can be purchased and placed into service in 2025.

The new tandem truck will significantly increase plowing efficiency as well as allow for the road grader to be taken out of winter plowing rotation. The City currently utilizes the road grader for plowing of many gravel roads which not only causes for unnecessary wear and tear as well as creates the need to make 2 trips on every road plowed by the grader because it cannot place salt down as it goes. Acquisition of a new tandem truck will allow the City to maintain/preserve the road grader so that it does not need to be replaced in the near future. The City will also double its hauling capacity in the spring when moving gravel and rock for road repairs and overlays.

The City has obtained quotations for a Western Star (47X), Freightliner (114SD Plus) and Mack (Granite 64FR). The sales vendor noted that the Mack (last tandem purchased) has more than a 3-year lead time for that chassis which does not make it a viable option at this time.

The City has researched, and test driven a number of machines in order to better understand how each piece of equipment would accommodate the City's need. The City is very happy with Mack; however due to the lack of availability, would like the City to consider a Western Star

chassis for this purchase. Staff also discussed maintenance and repair issues with our local maintenance shops, and they noted that the Western Star was far superior to the Freightliner, noting issues that they have recently identified with new trucks.

The total cost of the new tandem axel truck chassis is as follows:

Western Star (47X)	\$138,675.11
Freightliner (114SD Plus)	\$119,427.67
Mack (Granite 64FR)	\$151,454.90

With all Chassis – truck build out from Towmaster

Towmaster Build Out:	\$188,050.00
	\$326,725.11

Recommendation:

The City Council is being asked to consider approval of the purchase and pre-order of the 2025 Western Star 47X for \$138,675.11. The City does not have to place any pre-order with Towmaster but is agreeing to contract with them to complete the truck once delivered from the manufacturer. The estimated cost for the build out is \$188,050.00. The total authorization would equate to \$326,725.11. Council can authorize staff to complete the acquisition and sign all applicable agreements relating to the purchase in 2025 when the equipment is delivered.

Attachments: Truck Quotations and Specifications
Towmaster Quotation and Specification

Western Star 47X



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

City of Independence, Minnesota
Capital Improvement Plan - Public Works Equipment Fund 403
Schedule of Planned Capital Outlay 2022 to 2035

					2023	2024	2025	2026	2027	2028	2029
Department	Year to Replace	Item	Cost	Cost History	Estimated Amounts	Estimated Amounts	Estimated Amounts	Estimated Amounts	Estimated Amounts	Estimated Amounts	Estimated Amounts
Public works	2023	Road Grader Overhaul	\$ 40,000	\$ -	\$ 40,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Public works	2024	Road Side Mower (Replacement)	57,000	20,000	-	73,000	-	-	-	-	-
Public works	2024	Tractor & Loader	130,000	130,000	-	98,400	-	-	-	-	-
Public works	2025	New Truck Tandem Axel	250,000	-	-	-	326,727	-	-	-	-
Public works	2027	Lawn Mower	30,000	-	-	-	-	-	-	30,000	-
Public works	2029	Single Axel	200,000	-	-	-	-	-	-	-	200,000
Public works	2030	(5) 800 MHz Radios	15,000	-	-	-	-	-	-	-	-
Public works	2030	Pickup - 3/4 Ton	65,000	-	-	-	-	-	-	-	-
Public works	2031	Generator	50,000	-	-	-	-	-	-	-	-
Public works	2031	Grader	260,000	-	-	-	-	-	-	-	-
Public works	2033	Crack Sealer	70,000	-	-	-	-	-	-	-	-
Public works	2034	Pay Loader	150,000	-	-	-	-	-	-	-	-
Public works	2035	Tandem	300,000	210,000	-	-	-	-	-	-	-
Public works	NA	Road Packer	-	20,000	-	-	-	-	-	-	-
Public works	NA	Trailer	-	-	-	-	-	-	-	-	-
					<u>\$ 40,000</u>	<u>\$ 171,400</u>	<u>\$ 326,727</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 30,000</u>	<u>\$ 200,000</u>

City Staff created a cash flow analysis for the Public Works Equipment Fund through 2027.

Cash Flow - Public Works Equipment Fund 403

	2023	2024	2025	2026	2027	2028	2029
Beginning Balance	\$ 156,499	\$ 178,299	\$ 119,954	\$ (91,773)	\$ 8,227	\$ 83,227	\$ 128,227
Transfers in	61,800	113,055	115,000	100,000	75,000	75,000	75,000
Expenditures	40,000	171,400	326,727	-	-	30,000	200,000
Ending Balance	<u>\$ 178,299</u>	<u>\$ 119,954</u>	<u>\$ (91,773)</u>	<u>\$ 8,227</u>	<u>\$ 83,227</u>	<u>\$ 128,227</u>	<u>\$ 3,227</u>
Transfers in are from:							
100-43100-720	\$ 61,800	\$ 113,055	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000
100-49300-720	-	-	-	-	-	-	-
	<u>\$ 99,855</u>	<u>\$ 113,055</u>	<u>\$ 75,000</u>	<u>\$ 75,000</u>	<u>\$ 75,000</u>	<u>\$ 75,000</u>	<u>\$ 75,000</u>

PRICING PAGE

Print Date & Time 1/12/24 13:50

TANDEM AXLE CAB/CHASSIS

Amendment 1 Exhibit D: Price Schedule

VENDOR NAME

Boyer Trucks

MAKE AND MODEL

Western Star 47X

This section for use when ordering

WB	214"
CA	133" CT
AF	62"
Rear	4.33
Ratio	
Cab	Orange
Color	
Wheel	Aluminum
Color	
Notes	City of Independence 47X 6x4 Will need to be requoted with updated contract.

Grand Total	\$	132,875.11
-------------	----	------------

Surcharge	\$5,800
-----------	---------

Total	\$138,675.11
-------	--------------

TANDEM AXLE CAB/CHASSIS

Exhibit D: Price Schedule

VENDOR NAME

Boyer Trucks

MAKE AND MODEL

Freightliner 114SD DD13-X12

This section for use when ordering

WB	192"	<table><tr><td>Grand Total</td><td>\$ 111,933.67</td></tr><tr><td>Surcharge</td><td>\$6,700</td></tr><tr><td>Tire Surcharge</td><td>\$250</td></tr><tr><td>TOTAL</td><td>119,427.67</td></tr></table>	Grand Total	\$ 111,933.67	Surcharge	\$6,700	Tire Surcharge	\$250	TOTAL	119,427.67
Grand Total	\$ 111,933.67									
Surcharge	\$6,700									
Tire Surcharge	\$250									
TOTAL	119,427.67									
CA	126" CT									
AF	63"									
Rear Ratio	4.63									
Cab Color	White									
Wheel Color	Aluminum									
Notes	City of Independence 114SD 6x4 Detroit DD13 The price will change with the new contract.									

TANDEM AXLE CAB/CHASSIS

Exhibit D: Price Schedule

VENDOR NAME

NUSS TRUCK & EQUIPMENT

MAKE AND MODEL

2024 MACK GRANITE 64FR (T) TA

This section for use when ordering

WB	212"	
CA	125"(need to Verify w/Bodybuilder)	Grand Total \$ 151,454.90
AF	63"	
Rear Ratio	4.19	
Cab Color	Omaha Orange(P9215)/Flat Back Hood(P3521)	
Wheel Color	Clean Buffed Aluminum	
Notes	City of Independence,	Updated 8.14.23

Prepared for:
Shawn Bode
City of Independence
1920 CO RD 90
Independence, MN 55359
Phone: 763-286-7286

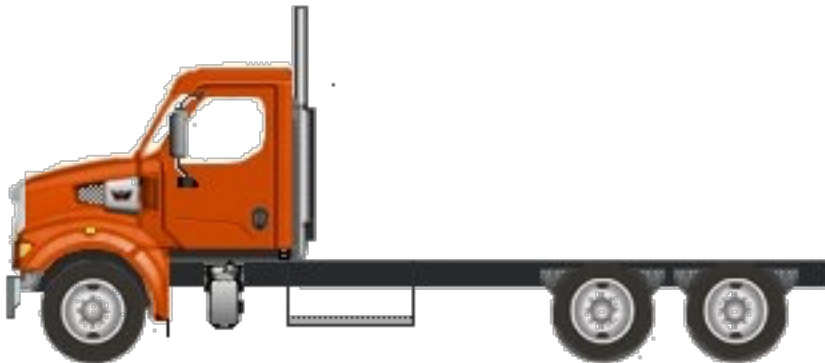
Prepared by:
Bill Fischer
BOYER TRUCKS DULUTH-
SUPERIOR
1202 SUSQUEHANNA AVE.
SUPERIOR, WI 54880
Phone: 715-394-2460

A proposal for
City of Independence

Prepared by
BOYER TRUCKS DULUTH-SUPERIOR
Bill Fischer

Aug 27, 2023

Western Star 47X



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

Prepared for:
Shawn Bode
City of Independence
1920 CO RD 90
Independence, MN 55359
Phone: 763-286-7286

Prepared by:
Bill Fischer
BOYER TRUCKS DULUTH-
SUPERIOR
1202 SUSQUEHANNA AVE.
SUPERIOR, WI 54880
Phone: 715-394-2460

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

Description	
Price Level	
	WST 47X/49X PRL-28X (EFF:MY25 ORDERS)
Data Version	
	SPECPRO21 DATA RELEASE VER 008
Vehicle Configuration	
	WESTERN STAR 47X 2025 MODEL YEAR SPECIFIED SET FORWARD AXLE - TRUCK TRAILER TOWING PROVISION AT END OF FRAME WITH SAE J560 LH PRIMARY STEERING LOCATION
General Service	
	TRUCK/TRAILER CONFIGURATION DOMICILED, USA (EXCLUDING CALIFORNIA AND CARB OPT-IN STATES) EPA EMISSIONS CERTIFICATION FOR REGISTRATION OUTSIDE CARB STATES - EPA CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD OF DRIVER DOOR) NO STATE/PROVINCE INITIAL REGISTRATION SELECTED UTILITY/REPAIR/MAINTENANCE SERVICE GOVERNMENT BUSINESS SEGMENT DIRT/SAND/ROCK COMMODITY TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS MAXIMUM 8% EXPECTED GRADE SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE WESTERN STAR VOCATIONAL WARRANTY EXPECTED FRONT AXLE(S) LOAD : 18000.0 lbs

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Description

EXPECTED REAR DRIVE AXLE(S) LOAD :
40000.0 lbs
EXPECTED GROSS VEHICLE WEIGHT CAPACITY
: 58000.0 lbs
EXPECTED GROSS COMBINATION WEIGHT :
80000.0 lbs

Truck Service

BELLY PLOW BODY WITH HIGH GROUND
CLEARANCE
TOWMASTER TRUCK EQUIPMENT

Tractor Service

FLATBED TRAILER
SINGLE (1) TRAILER

Engine

DETROIT DD13 GEN 5 12.8L 450 HP @ 1625
RPM, 1900 GOV RPM, 1650 LB-FT @ 975 RPM

Electronic Parameters

70 MPH ROAD SPEED LIMIT
CRUISE CONTROL SPEED LIMIT SAME AS ROAD
SPEED LIMIT
PTO MODE ENGINE RPM LIMIT - 1100 RPM
PTO RPM CONTROL WITH STEERING WHEEL
SWITCHES
PTO MODE RPM INCREMENT - 100 RPM
PTO GOVERNOR RAMP RATE - 100 RPM PER
SECOND
FUEL DOSING OF AFTERTREATMENT ENABLED
IN PTO MODE-CLEANS HYDROCARBONS AT
HIGH TEMPERATURES ONLY
ONE DASH MOUNTED PTO SPEED WITH PTO
SWITCH ENGAGEMENT
PTO SPEED 1 SETTING - 1650 RPM
PTO MINIMUM RPM - 700
ENABLE DPF REGEN ZONE 1 WITH AUTO
ENGINE RPM ELEVATE FOR EXTENDED IDLE
MAINTENANCE SYSTEM WITH NO POP-UPS
AND NO MENU IN CLUSTER
ENGINE MOUNT PTO, DASH SWITCH ENGAGES
PTO MODE, DRIVING OPERATION

Engine Equipment

EPA 2010/GHG 2024 CONFIGURATION

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Description

STANDARD OIL PAN
ENGINE MOUNTED OIL CHECK AND FILL
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
(3) DTNA GENUINE, FLOODED STARTING, MIN
3000CCA, 555RC, THREADED STUD BATTERIES
BATTERY BOX WITH ALUMINUM COVER
MOUNTED SHORT SIDE TO RAIL
SINGLE BATTERY BOX FRAME MOUNTED LH
SIDE BACK OF CAB
WIRE GROUND RETURN FOR BATTERY CABLES
WITH ADDITIONAL FRAME GROUND RETURN
UNPOLISHED ALUMINUM WST BATTERY BOX
COVER
AUXILIARY POWER NET DISTRIBUTION BLOCK
FOR BODY BUILDER USE
POSITIVE LOAD DISCONNECT WITH CAB
MOUNTED CONTROL SWITCH MOUNTED
OUTBOARD DRIVER SEAT
PROGRESSIVE LOW VOLTAGE DISCONNECT AT
12.3 VOLTS FOR DESIGNATED CIRCUITS
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 REGENERATION
AND VIRTUAL REGENERATION REQUEST
SWITCH IN CLUSTER
10 FOOT 06 INCH (126 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

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Description

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/TAILOPIPE SHIELD
ELECTRONICALLY CONTROLLED VARIABLE
SPEED VISCOUS FAN DRIVE
AUTOMATIC FAN CONTROL WITHOUT DASH
SWITCH, NON ENGINE MOUNTED
DETROIT FUEL/WATER SEPARATOR WITH
BYPASS AND 12 VOLT PREHEATER
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
ANTIFREEZE TO -34F, OAT (NITRITE AND
SILICATE FREE) EXTENDED LIFE COOLANT
GATES BLUE STRIPE COOLANT HOSES OR
EQUIVALENT
STANDARD CHARGE AIR COOLER PLUMBING
HDEP FIXED RATIO COOLANT PUMP AND
RADIATOR DRAIN VALVE
LOWER RADIATOR GUARD
1350 ADAPTER FLANGE FOR FRONT PTO
PROVISION
PHILLIPS-TEMRO 1500 WATT/115 VOLT BLOCK
HEATER
CHROME ENGINE HEATER RECEPTACLE
MOUNTED UNDER LH DOOR
MITSUBISHI 12V MOD 3.175-DP60 STARTER
WITH INTEGRATED MAGNETIC SWITCH

Transmission

ALLISON 4500 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

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Description

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

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 6, 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

NO MAIN TRANSMISSION MOUNTED PTO

NO PTO MOUNTING LOCATION SPECIFIED

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-18-133A 18,000# FL1 71.0 INCH KPI/3.74
INCH DROP SINGLE FRONT AXLE

CONMET PRESET PLUS PREMIUM IRON FRONT
HUBS

MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT
BRAKES, DOUBLE ANCHOR, FABRICATED
SHOES

NON-ASBESTOS FRONT BRAKE LINING

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Description

CONMET CAST IRON FRONT BRAKE DRUMS
FRONT BRAKE DUST SHIELDS
FRONT OIL SEALS
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
4 QUART POWER STEERING RESERVOIR
OIL/AIR POWER STEERING COOLER
SYNTHETIC 40/50W FRONT AXLE LUBE

Front Suspension

18,000# TAPERLEAF FRONT SUSPENSION
MAINTENANCE FREE RUBBER BUSHINGS -
FRONT SUSPENSION
FRONT SHOCK ABSORBERS

Rear Axle and Equipment

MT-40-14X 40,000# R-SERIES TANDEM REAR
AXLE
CONMET PRESET PLUS PREMIUM IRON REAR
HUBS
4.33 REAR AXLE RATIO
IRON REAR AXLE CARRIER WITH OPTIONAL
HEAVY DUTY AXLE HOUSING
SPL250 HT XL DANA SPICER MAIN DRIVELINE
SPL170 XL DANA SPICER INTERAXLE
DRIVELINE WITH HALF ROUND YOKES
DRIVER CONTROLLED TRACTION
DIFFERENTIAL - BOTH TANDEM REAR AXLES
(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 16.5X7 Q+ CAST SPIDER HEAVY DUTY
CAM REAR BRAKES, DOUBLE ANCHOR,
FABRICATED SHOES
NON-ASBESTOS REAR BRAKE LINING

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Description

BRAKE CAMS AND CHAMBERS ON FORWARD
SIDE OF DRIVE AXLE(S)
CONMET CAST IRON REAR BRAKE DRUMS
REAR BRAKE DUST SHIELDS
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)

Rear Suspension

TUFTRAC GEN2 40,000# REAR SPRING
SUSPENSION
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)

Brake System

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
AIR DRYER FRAME MOUNTED
ALUMINUM AIR BRAKE RESERVOIRS MOUNTED
INSIDE RAILS
PULL CABLES ON ALL AIR RESERVOIR(S)

Trailer Connections

AIR CONNECTIONS TO END OF FRAME WITH
GLAD HANDS FOR TRUCK AND NO DUST
COVERS

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Description

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

Wheelbase & Frame

5340MM (210 INCH) WHEELBASE, SFA ONLY
13.0MM X 87.0MM X 311.0MM STEEL FRAME
(0.51X3.43X12.24 INCH) 120 KSI
1575MM (62 INCH) REAR FRAME OVERHANG
FRAME OVERHANG RANGE: 61 INCH TO 70
INCH
24 INCH INTEGRAL FRONT FRAME EXTENSION
CALC'D BACK OF CAB TO REAR SUSP C/L (CA) :
128.74 in
CALC'D FRAME LENGTH - OVERALL : 324.83 in
FRAME HEIGHT TOP FRONT UNLADEN : 44.0 in
FRAME HEIGHT TOP FRONT LADEN : 40.7 in
FRAME HEIGHT TOP REAR UNLADEN : 43.15 in
FRAME HEIGHT TOP REAR LADEN : 40.78 in
SQUARE END OF FRAME
STANDARD WEIGHT ENGINE CROSSMEMBER
STANDARD CROSSMEMBER BACK OF
TRANSMISSION
HEAVY DUTY MIDSHIP #1 CROSSMEMBER
HEAVY DUTY REAR C-CHANNEL
CROSSMEMBER, NON-TOWING
STANDARD SUSPENSION CROSSMEMBER
STANDARD WEIGHT REAR SUSPENSION
CROSSMEMBER

Chassis Equipment

UNPOLISHED ALUMINUM WST EQUIPMENT
COVERS
OMIT FRONT BUMPER, CUSTOMER INSTALLED
SPECIAL BUMPER, DOES NOT COMPLY WITH
FMCSR 393.203
NO FRONT TOW HOOKS
CLASS 10.9 THREADED METRIC FASTENERS
EXTERIOR HARNESSSES WRAPPED IN
ABRASION TAPE

Fuel Tanks

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Description

80 GALLON/302 LITER RECTANGULAR
ALUMINUM FUEL TANK - LH
RECTANGULAR FUEL TANK(S)
PLAIN ALUMINUM/PAINTED STEEL
FUEL/HYDRAULIC TANK(S) WITH PAINTED
BANDS
FUEL TANK(S) FORWARD - RAISED MOUNTING
PLAIN STEP FINISH
FUEL TANK CAP(S)
EQUIFLO INBOARD FUEL SYSTEM
HIGH TEMPERATURE REINFORCED NYLON
FUEL LINE

Tires

MICHELIN XZU-S2 315/80R22.5 20 PLY RADIAL
FRONT TIRES
MICHELIN XDN2 11R22.5 16 PLY RADIAL REAR
TIRES

Wheels

ACCURIDE 41012 22.5X9.00 10-HUB PILOT 3.12
INSET 10-HAND ALUMINUM DISC FRONT
WHEELS
ACCURIDE 40008 22.5X8.25 10-HUB PILOT 10-
HAND HD ALUMINUM DISC REAR WHEELS
NO FRONT AXLE WHEEL/HUB COVER
NO WHEEL/HUB COVER-PUSHER/TAG
FRONT WHEEL MOUNTING NUTS
REAR WHEEL MOUNTING NUTS
NYLON WHEEL GUARDS FRONT AND REAR ALL
INTERFACES

Cab Exterior

111.6 INCH BBC CONVENTIONAL ALUMINUM
CAB
STAINLESS STEEL CAB ACCENT MOLDING
FRONT FENDERS
BOLT-ON MOLDED FLEXIBLE FENDER
EXTENSIONS
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, WITH LED ACCENT LIGHTS

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Description

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
SINGLE ELECTRIC HORN
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
C-BAR MIRROR SYSTEM WITH DUAL HEATED
MIRRORS WITH INTEGRAL HEATED CONVEX,
DUAL REMOTE, TURN SIGNAL, STAINLESS
STEEL BACK COVER, AND BRIGHT C-BAR
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
STANDARD SIDE/REAR REFLECTORS
UNPOLISHED ALUMINUM WST
AFTERTREATMENT SYSTEM COVER
STAINLESS STEEL EXTERIOR SUN VISOR WITH
INTEGRAL MARKER LIGHTS
SINGLE SOLAR TINTED REAR WINDOW, (1) 31
INCH X 20 INCH
1-PIECE ROPED-IN TUFGLASS WINDSHIELD
8 LITER (2 GAL) WINDSHIELD WASHER
RESERVOIR, CAB MOUNTED, WITH FLUID
LEVEL INDICATOR

Cab Interior

X-SERIES PREMIUM INTERIOR TRIM LEVEL
PACKAGE

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Description

CHARCOAL BLACK VINYL UP LEVEL INTERIOR
CARBON WITH PREMIUM TEAK ACCENT
BLACK MATS WITH ADDED FLOOR HEAT AND
NOISE INSULATION
(2) DASH MOUNTED POWER OUTLETS AND
COIN 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
5 LB. FIRE EXTINGUISHER MOUNTED INBOARD
OF DRIVER SEAT
STANDARD HEATER PLUMBING
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
TRIANGULAR REFLECTORS WITHOUT FLARES
ISRINGHAUSEN PREMIUM 2.0 HIGH BACK AIR
SUSPENSION DRIVER SEAT WITH 2 CHAMBER
AIR LUMBAR, INTEGRATED CUSHION
EXTENSION, TILT, ADJUSTABLE SHOCK AND
SWIVEL BASE
ISRINGHAUSEN PREMIUM 2.0 HIGH BACK AIR
SUSPENSION PASSENGER SEAT WITH 2
CHAMBER AIR LUMBAR, INTEGRATED CUSHION
EXTENSION, TILT, ADJUSTABLE SHOCK AND
SWIVEL BASE
BLACK SUSPENSION COVER FOR DRIVER AND
PASSENGER SEATS
DUAL DRIVER AND PASSENGER SEAT
ARMRESTS
BLACK MORDURA CLOTH DRIVER SEAT COVER
WITH EMBROIDERED LOGO

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BLACK MORDURA CLOTH PASSENGER SEAT
COVER WITH EMBROIDERED LOGO

3 POINT 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

Instruments & Controls

STANDARD FOOT PEDAL SYSTEM
ELECTRONIC ACCELERATOR CONTROL
BRIGHT ARGENT FINISH GAUGE BEZELS
STANDARD CENTER INSTRUMENT PANEL
DUAL NEEDLE PRIMARY AND SECONDARY AIR
PRESSURE GAUGE

DASH MOUNTED AIR RESTRICTION INDICATOR
WITH GRADUATIONS
97 DB BACKUP ALARM

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 EVault MOUNTED,
CIRCUIT BREAKER PROTECTED
PREMIUM INSTRUMENT CLUSTER WITH 5.0
INCH TFT COLOR DISPLAY

DIGITAL PANEL LAMP DIMMER SWITCH IN
DRIVER DISPLAY
HEAVY DUTY ONBOARD DIAGNOSTICS
INTERFACE CONNECTOR WITH DUST CAP
LOCATED BELOW LH DASH
2 INCH ELECTRIC FUEL GAUGE
FUEL FILTER RESTRICTION INDICATOR
EMISSIONS LIMITED IDLE ADJUST
ELECTRICAL ENGINE COOLANT TEMPERATURE
GAUGE
ENGINE OIL TEMPERATURE GAUGE

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ELECTRIC ENGINE OIL PRESSURE GAUGE
2 INCH TRANSMISSION OIL TEMPERATURE
GAUGE
ELECTRONIC OUTSIDE TEMPERATURE
SENSOR DISPLAY IN DRIVER MESSAGE
CENTER
ENGINE AND TRIP HOUR METERS INTEGRAL
WITHIN DRIVER DISPLAY
PTO CONTROLS FOR ENHANCED VEHICLE
ELECTRIC/ELECTRONIC ARCHITECTURE
NO OBSTACLE DETECTION SYSTEM
NO DR ASSIST SYSTEM
NO VEHICLE STABILITY ADVISOR OR CONTROL
NO LANE DEPARTURE WARNING SYSTEM
QUICKFIT PROGRAMMABLE INTERFACE
MODULE + (8) 20 AMP FUSED RELAYS
TMC RP1226 ACC CONN LOCATED CENTER OF
BACKWALL/PASSENGER SIDE BAGGAGE
COMPARTMENT
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
POWER AND GROUND WIRING PROVISION
OVERHEAD
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
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

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Description

FOUR EXTRA HARDWIRED SWITCHES IN DASH,
ROUTE TO BETWEEN SEATS, BLUNTCUT
HARDWIRE SWITCH #1, ON/OFF LATCHING, 20
AMPS IGNITION POWER
HARDWIRE SWITCH #2, ON/OFF LATCHING, 30
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 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
DASH VALVE CONTROL AUTONEUTRAL AND
WARNING INDICATOR
SELF CANCELING TURN SIGNAL SWITCH WITH
DIMMER, HEADLAMP FLASH,
WASH/WIPE/INTERMITTENT
QUICKFIT POWERTRAIN INTERFACE
CONNECTOR LOCATED BETWEEN SEATS WITH
BLUNTCUTS
8 EXTRA PROGRAMMABLE
SWITCHES/INDICATORS
QUICKFIT PROGRAMMABLE INTERFACE
CONNECTOR(S) UNDER CAB WITH BLUNTCUTS

Design

TWO COLOR CUSTOM PAINT

Color

CAB COLOR A: L6389EY OMAHA ORANGE ELITE
EY
CAB COLOR B: N2789EA FLAT BLACK ELITE SS
BLACK, HIGH SOLIDS POLYURETHANE CHASSIS
PAINT

Certification / Compliance

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Description

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

Dealer Installed Options

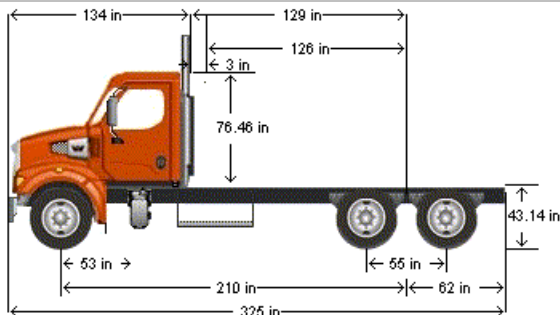
	Weight Front	Weight Rear
MINIMIZER FLOOR MATS	0	0
Total Dealer Installed Options	0 lbs	0 lbs

(***) 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.

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DIMENSIONS



VEHICLE SPECIFICATIONS SUMMARY - DIMENSIONS

Model 47X
Wheelbase (545)..... 5340MM (210 INCH) WHEELBASE, SFA ONLY
Rear Frame Overhang (552)..... 1575MM (62 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) 111.6 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

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Dimensions	Inches
Bumper to Back of Cab (BBC)	134.2
Bumper to Centerline of Front Axle (BA)	52.7
Front Axle to Back of Cab (AC)	81.5
Min. Cab to Body Clearance (CB)	3.0
Back of Cab to Centerline of Rear Axle(s) (CA)	128.7
Effective Back of Cab to Centerline of Rear Axle(s) (Effective CA)	125.7
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	190.7
Cab Height (CH)	76.5
Wheelbase (WB)	210.2
Frame Overhang (OH)	62.0
Overall Frame Length	324.8
Overall Length (OAL)	325.0
Rear Axle Spacing	55.0
Unladen Frame Height at Centerline of Rear Axle	43.1

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

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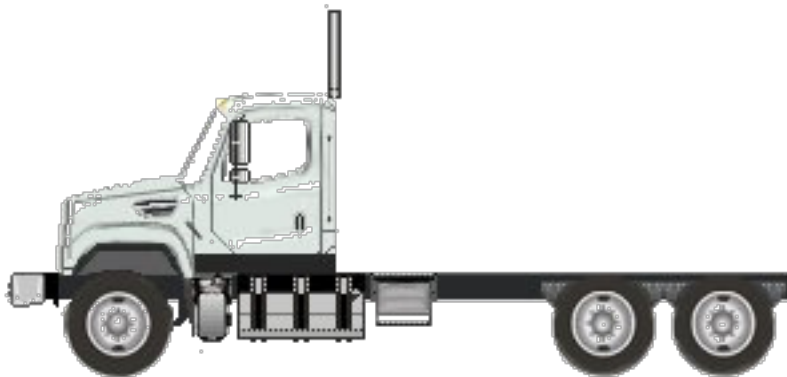
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A proposal for
City of Independence

Prepared by
BOYER TRUCKS DULUTH-SUPERIOR
Bill Fischer

Aug 28, 2023

Freightliner 114SD Plus



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

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SPECIFICATION PROPOSAL

Description	
Price Level	
	SD PRL-28D (EFF:MY25 ORDERS)
Data Version	
	SPECPRO21 DATA RELEASE VER 009
Vehicle Configuration	
	114SD PLUS CONVENTIONAL CHASSIS 2025 MODEL YEAR SPECIFIED SET FORWARD AXLE - TRUCK TRAILER TOWING PROVISION AT END OF FRAME WITH SAE J560 LH PRIMARY STEERING LOCATION
General Service	
	TRUCK/TRAILER CONFIGURATION DOMICILED, USA (EXCLUDING CALIFORNIA AND CARB OPT-IN STATES) EPA EMISSIONS CERTIFICATION FOR REGISTRATION OUTSIDE CARB STATES - EPA CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD OF DRIVER DOOR) NO STATE/PROVINCE INITIAL REGISTRATION SELECTED UTILITY/REPAIR/MAINTENANCE SERVICE GOVERNMENT BUSINESS SEGMENT DIRT/SAND/ROCK COMMODITY TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS MAXIMUM 8% EXPECTED GRADE SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE FREIGHTLINER LEVEL I WARRANTY EXPECTED FRONT AXLE(S) LOAD : 18000.0 lbs



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Description

EXPECTED REAR DRIVE AXLE(S) LOAD :
40000.0 lbs
EXPECTED GROSS VEHICLE WEIGHT CAPACITY
: 58000.0 lbs
EXPECTED GROSS COMBINATION WEIGHT :
80000.0 lbs

Truck Service

BELLY PLOW BODY WITH HIGH GROUND
CLEARANCE
J-CRAFT (TBEI)

Tractor Service

FLATBED TRAILER
SINGLE (1) TRAILER

Engine

DETROIT DD13 GEN 5 12.8L 450 HP @ 1625
RPM, 1900 GOV RPM, 1650 LB-FT @ 975 RPM

Electronic Parameters

68 MPH ROAD SPEED LIMIT
CRUISE CONTROL SPEED LIMIT SAME AS ROAD
SPEED LIMIT
FLEET MANAGEMENT - DAILY ENGINE USAGE
ENABLED
5 MINUTES IDLE SHUTDOWN WITH CLUTCH
AND SERVICE BRAKE OVERRIDE
PTO MODE BRAKE OVERRIDE - SERVICE
BRAKE APPLIED OR PARK BRAKE NOT APPLIED
CUSTOM PTO RPM W/CRUISE SET SWITCH
CUSTOM PTO RPM W/CRUISE RESUME SWITCH
CUSTOM PTO MODE MINIMUM RPM
ENABLE AUTO ENGINE RPM ELEVATE FOR
EXTENDED IDLE

Engine Equipment

EPA 2010/GHG 2024 CONFIGURATION
STANDARD OIL PAN
ENGINE MOUNTED OIL CHECK AND FILL
SIDE OF HOOD AIR INTAKE WITH FIREWALL
MOUNTED DONALDSON AIR CLEANER WITH
SAFETY ELEMENT AND INSIDE/OUTSIDE AIR
WITH SNOW DOOR

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Description

DR 12V 160 AMP 36-SI BRUSHLESS
QUADRAMOUNT PAD ALTERNATOR WITH
REMOTE BATTERY VOLT SENSE
(3) DTNA GENUINE, FLOODED STARTING, MIN
3000CCA, 555RC, THREADED STUD BATTERIES
BATTERY BOX WITH ALUMINUM COVER
MOUNTED SHORT SIDE TO RAIL
BATTERY JUMPERS WITH MEGA FUSE
JUNCTION BLOCK (MFJB)
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
POSITIVE LOAD DISCONNECT WITH CAB
MOUNTED CONTROL SWITCH MOUNTED
OUTBOARD DRIVER SEAT
PROGRESSIVE LOW VOLTAGE DISCONNECT AT
12.3 VOLTS FOR DESIGNATED CIRCUITS
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 REGENERATION
AND VIRTUAL REGENERATION REQUEST
SWITCH IN CLUSTER
10 FOOT 06 INCH (126 INCH+0/-5.9 INCH)
EXHAUST SYSTEM HEIGHT
RH CURVED VERTICAL TAILPIPE B-PILLAR
MOUNTED ROUTED FROM STEP
13 GALLON DIESEL EXHAUST FLUID TANK
100 PERCENT DIESEL EXHAUST FLUID FILL
STANDARD DIESEL EXHAUST FLUID PUMP
MOUNTING
NON-POLISHED ALUMINUM DIAMOND PLATE
DIESEL EXHAUST FLUID TANK COVER
LH MEDIUM DUTY STANDARD DIESEL EXHAUST
FLUID TANK LOCATION
STANDARD DIESEL EXHAUST FLUID TANK CAP

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Description

STAINLESS STEEL AFTERTREATMENT
DEVICE/MUFFLER/TAILOPIPE SHIELD
AIR POWERED ON/OFF ENGINE FAN CLUTCH
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
ANTIFREEZE TO -34F, OAT (NITRITE AND
SILICATE FREE) EXTENDED LIFE COOLANT
GATES BLUE STRIPE COOLANT HOSES OR
EQUIVALENT
CONSTANT TENSION HOSE CLAMPS FOR
COOLANT HOSES
HDEP FIXED RATIO COOLANT PUMP AND
RADIATOR DRAIN VALVE
LOWER RADIATOR GUARD
1350 ADAPTER FLANGE FOR FRONT PTO
PROVISION
PHILLIPS-TEMRO 1500 WATT/115 VOLT BLOCK
HEATER
CHROME ENGINE HEATER RECEPTACLE
MOUNTED UNDER LH DOOR
MITSUBISHI 12V MOD 3.175-DP60 STARTER
WITH INTEGRATED MAGNETIC SWITCH

Transmission

ALLISON 4500 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
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 3, AVAILABLE
FOR 3000/4000 PRODUCT FAMILIES ONLY



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Description

PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE

SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE

PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE

SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE

2ND GEAR ENGINE BRAKE ALTERNATE PRESELECT WITH MODERATE DOWNSHIFT STRATEGY

FUEL SENSE 2.0 DISABLED - PERFORMANCE - TABLE BASED

DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES

DIRECTION CHANGE ENABLED WITH MULTIPLEXED SERVICE BRAKES - ALLISON 5TH GEN TRANSMISSIONS

QUICKFIT BODY LIGHTING CONNECTOR UNDER CAB, WITH BLUNTCUTS

ELECTRONIC TRANSMISSION WIRING TO CUSTOMER INTERFACE CONNECTOR

MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN

PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED

TRANSMISSION PROGNOSTICS - ENABLED 2013

WATER TO OIL TRANSMISSION COOLER, FRAME MOUNTED

TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK

SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)

Front Axle and Equipment

DETROIT DA-F-18.0-5 18,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE

MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES

NON-ASBESTOS FRONT BRAKE LINING

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Description

CAST IRON OUTBOARD FRONT BRAKE DRUMS
FRONT BRAKE DUST SHIELDS
FRONT OIL SEALS
VENTED FRONT HUB CAPS WITH WINDOW,
CENTER AND SIDE PLUGS - OIL
STANDARD SPINDLE NUTS FOR ALL AXLES
HALDEX AUTOMATIC FRONT SLACK
ADJUSTERS WITH STAINLESS STEEL CLEVIS
PINS
STANDARD KING PIN BUSHINGS
TRW THP-60 POWER STEERING WITH RCH45
AUXILIARY GEAR
POWER STEERING PUMP
4 QUART POWER STEERING RESERVOIR
OIL/AIR POWER STEERING COOLER
CURRENT AVAILABLE SYNTHETIC 75W-90
FRONT AXLE LUBE

Front Suspension

18,000# TAPERLEAF FRONT SUSPENSION
MAINTENANCE FREE RUBBER BUSHINGS -
FRONT SUSPENSION
FRONT SHOCK ABSORBERS

Rear Axle and Equipment

MT-40-14X 40,000# R-SERIES TANDEM REAR
AXLE
4.33 REAR AXLE RATIO
IRON REAR AXLE CARRIER WITH OPTIONAL
HEAVY DUTY AXLE HOUSING
MXL 18T MERITOR EXTENDED LUBE MAIN
DRIVELINE WITH HALF ROUND YOKES
MXL 17T MERITOR EXTENDED LUBE INTERAXLE
DRIVELINE WITH HALF ROUND YOKES
DRIVER CONTROLLED TRACTION
DIFFERENTIAL - BOTH TANDEM REAR AXLES
(1) INTERAXLE LOCK VALVE, (1) DRIVER
CONTROLLED DIFFERENTIAL LOCK FORWARD-
REAR AND REAR-REAR AXLE VALVE
INDICATOR LIGHT FOR EACH INTERAXLE
LOCKOUT SWITCH, DISENGAGE INTERAXLE
LOCK WITH IGNITION OFF

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Description

INDICATOR LIGHT AND BUZZER FOR EACH
DIFFERENTIAL LOCKOUT SWITCH, ENGAGE AT
SPEEDS 5 MPH PR LESS, DISENGAGE W/IGN
OFF OR SPEEDS EXCEEDING 25 MPH
MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR
BRAKES, DOUBLE ANCHOR, FABRICATED
SHOES
NON-ASBESTOS REAR BRAKE LINING
BRAKE CAMS AND CHAMBERS ON FORWARD
SIDE OF DRIVE AXLE(S)
CAST IRON OUTBOARD REAR BRAKE DRUMS
REAR BRAKE DUST SHIELDS
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)

Rear Suspension

TUFTRAC GEN2 40,000# REAR SPRING
SUSPENSION
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 - ONE AXLE

Pusher / Tag Equipment

NO PUSHER/TAG BRAKE DUST SHIELDS

Brake System

WABCO 4S/4M ABS WITH TRACTION CONTROL
WITH ATC SHUT OFF SWITCH
REINFORCED NYLON, FABRIC BRAID AND WIRE
BRAID CHASSIS AIR LINES
FIBER BRAID PARKING BRAKE HOSE
STANDARD BRAKE SYSTEM VALVES
STANDARD AIR SYSTEM PRESSURE
PROTECTION SYSTEM
STD U.S. FRONT BRAKE VALVE

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Description

RELAY VALVE WITH 5-8 PSI CRACK PRESSURE,
NO REAR PROPORTIONING VALVE
WABCO SYSTEM SAVER HP WITH INTEGRAL
AIR GOVERNOR AND HEATER
AIR DRYER FRAME MOUNTED
STEEL AIR TANKS MOUNTED FOR MAX
GROUND CLEARANCE, (BELLY PLOW - AA3-073)
PULL CABLE ON WET TANK, PETCOCK DRAIN
VALVES ON ALL OTHER AIR TANKS

Trailer Connections

NO TRAILER AIR HOSE
NO AIR HOSE HANGER
AIR CONNECTIONS TO END OF FRAME WITH
GLAD HANDS FOR TRUCK AND NO DUST
COVERS
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
NO TRAILER ELECTRICAL CABLE

Wheelbase & Frame

5325MM (210 INCH) WHEELBASE
7/16X3-9/16X11-1/8 INCH STEEL FRAME
(11.11MMX282.6MM/0.437X11.13 INCH) 120KSI
PARTIAL INNER FRAME REINFORCEMENT AT
FRONT SUSPENSION
TEM TO EVALUATE AND INSTALL FRAME RAIL
REINFORCEMENT AS NEEDED FOR FRONT
FRAME MOUNTED EQUIPMENT
1600MM (63 INCH) REAR FRAME OVERHANG
FRAME OVERHANG RANGE: 61 INCH TO 70
INCH
24 INCH INTEGRAL FRONT FRAME EXTENSION
CALC'D BACK OF CAB TO REAR SUSP C/L (CA) :
126.18 in
CALCULATED EFFECTIVE BACK OF CAB TO
REAR SUSPENSION C/L (CA) : 123.18 in
CALC'D FRAME LENGTH - OVERALL : 322.03 in
CALCULATED FRAME SPACE LH SIDE : 14.28 in
CALCULATED FRAME SPACE RH SIDE : 71.83 in
SQUARE END OF FRAME



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Description

FRONT CLOSING CROSSMEMBER
STANDARD WEIGHT ENGINE CROSSMEMBER
STANDARD MIDSHIP #1 CROSSMEMBER(S)
STANDARD REARMOST CROSSMEMBER
HEAVY DUTY SUSPENSION CROSSMEMBER

Chassis Equipment

OMIT FRONT BUMPER, CUSTOMER INSTALLED
SPECIAL BUMPER, DOES NOT COMPLY WITH
FMCSR 393.203
NO MUDFLAP BRACKETS
NO REAR MUDFLAPS
HUCK-SPIN ROUND COLLAR CHASSIS
FASTENERS
EXTERIOR HARNESSSES WRAPPED IN
ABRASION TAPE

Fifth Wheel

NO FIFTH WHEEL

Fuel Tanks

80 GALLON/302 LITER RECTANGULAR
ALUMINUM FUEL TANK - LH
RECTANGULAR FUEL TANK(S)
PLAIN ALUMINUM/PAINTED STEEL
FUEL/HYDRAULIC TANK(S) WITH PAINTED
BANDS
FUEL TANK(S) FORWARD - RAISED MOUNTING
PLAIN STEP FINISH
FUEL TANK CAP(S)
DAVCO 487 FUEL/WATER SEPARATOR WITH
ESOC AND 12 VOLT PREHEATER
EQUIFLO INBOARD FUEL SYSTEM
HIGH TEMPERATURE REINFORCED NYLON
FUEL LINE
INSULATION FOR FUEL LINES

Tires

MICHELIN XZU-S2 315/80R22.5 20 PLY RADIAL
FRONT TIRES
MICHELIN XDN2 11R22.5 16 PLY RADIAL REAR
TIRES

Hubs

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Description

CONMET PRESET PLUS PREMIUM IRON FRONT
HUBS
CONMET PRESET PLUS PREMIUM IRON REAR
HUBS

Wheels

ALCOA ULTRA ONE 89U63X 22.5X9.00 10-HUB
PILOT 3.12 INSET 10-HD ALUMINUM FRONT
WHEELS
ALCOA ULA18X 22.5X8.25 10-HUB PILOT
ALUMINUM DISC REAR WHEELS
FRONT WHEEL MOUNTING NUTS
REAR WHEEL MOUNTING NUTS
NYLON WHEEL GUARDS FRONT AND REAR ALL
INTERFACES

Cab Exterior

114 INCH BBC FLAT ROOF ALUMINUM
CONVENTIONAL CAB
AIR CAB MOUNTING
NONREMOVABLE BUGSCREEN MOUNTED
BEHIND GRILLE
FRONT FENDERS
3-1/2 INCH FENDER EXTENSIONS
LH AND RH EXTERIOR GRAB HANDLES WITH
SINGLE RUBBER INSERT
BRIGHT FINISH RADIATOR SHELL/HOOD BEZEL
STATIONARY BLACK GRILLE WITH BRIGHT
ACCENTS
CHROME HOOD MOUNTED AIR INTAKE GRILLE
FIBERGLASS HOOD
HOOD LINER INSULATION WITH SINGLE
FIREWALL INSULATION
DUAL 26 INCH RECTANGULAR POLISHED
ALUMINUM AIR HORNS ROOF MOUNTED
DUAL ELECTRIC HORNS
DUAL HORN SHIELDS
REAR LICENSE PLATE MOUNT END OF FRAME
HALOGEN COMPOSITE HEADLAMPS WITH
BRIGHT BEZELS
LED AERODYNAMIC MARKER LIGHTS
WIRING AND SWITCH FOR CUSTOMER
FURNISHED SNOW PLOW LAMPS WITH DUAL
CONNECTIONS AT BUMPER

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Description

DAYTIME RUNNING LIGHTS
INTEGRAL STOP/TAIL/BACKUP LIGHTS
STANDARD FRONT TURN SIGNAL LAMPS
DUAL WEST COAST BRIGHT FINISH HEATED
MIRRORS WITH LH AND RH REMOTE
DOOR MOUNTED MIRRORS
102 INCH EQUIPMENT WIDTH
LH AND RH 8 INCH BRIGHT FINISH CONVEX
MIRRORS MOUNTED UNDER PRIMARY
MIRRORS
RH DOWN VIEW MIRROR
STANDARD SIDE/REAR REFLECTORS
RH AFTERTREATMENT SYSTEM CAB ACCESS
WITH PLAIN SHIELDING
63X14 INCH TINTED REAR WINDOW
TINTED DOOR GLASS LH AND RH WITH TINTED
OPERATING WING WINDOWS
RH AND LH ELECTRIC POWERED WINDOWS
LOWER RH DOOR WINDOW WITH FRESNEL
LENS
1-PIECE BONDED HEATED WIPER PARK SOLAR
GREEN GLASS WINDSHIELD
8 LITER (2 GAL) WINDSHIELD WASHER
RESERVOIR, CAB MOUNTED, WITH FLUID
LEVEL INDICATOR

Cab Interior

ELITE TRIM PACKAGE
MIST CLOTH & CARBON VINYL INTERIOR
"ELITE"
CARBON WITH PREMIUM WOOD ACCENT
(ELITE)
MOLDED PLASTIC DOOR PANEL
MOLDED PLASTIC DOOR PANEL
BLACK MATS WITH SINGLE INSULATION
ASH CUP AND (1)LIGHTER, (1)12V POWER
OUTLET, (1)DASH MTD DUAL USB-C OUTLET
FORWARD ROOF MOUNTED CONSOLE
CENTER STORAGE CONSOLE MOUNTED ON
BACKWALL
LH AND RH KICKPLATES
DIGITAL ALARM CLOCK IN DRIVER DISPLAY

Prepared for:
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Description

(2) CUP HOLDERS LH AND RH DASH
M2/SD DASH
5 LB. FIRE EXTINGUISHER
HEATER, DEFROSTER AND AIR CONDITIONER
STANDARD HVAC DUCTING WITH SNOW
SHIELD FOR FRESH AIR INTAKE
MAIN HVAC CONTROLS WITH RECIRCULATION
SWITCH
STANDARD HEATER PLUMBING
VALEO HEAVY DUTY A/C REFRIGERANT
COMPRESSOR
BINARY CONTROL, R-134A
PREMIUM INSULATION
SOLID-STATE CIRCUIT PROTECTION AND
FUSES
12V NEGATIVE GROUND ELECTRICAL SYSTEM
PREMIUM LED CAB LIGHTING
NO SECURITY DEVICE
DOOR LOCKS AND IGNITION SWITCH KEYED
THE SAME
KEY QUANTITY OF 4
LH AND RH ELECTRIC DOOR LOCKS
TRIANGULAR REFLECTORS KIT WITHOUT
FLARES SHIPPED LOOSE IN CAB
PREMIUM ISRINGHAUSEN HIGH BACK AIR
SUSPENSION DRIVERS SEAT WITH 2 AIR
LUMBAR, INTEGRATED CUSHION EXTENSION,
TILT AND ADJUSTABLE SHOCK
BASIC ISRINGHAUSEN HIGH BACK NON
SUSPENSION TOOL BOX PASSENGER SEAT
DUAL DRIVER SEAT ARMRESTS, NO
PASSENGER SEAT ARMRESTS
LH AND RH INTEGRAL DOOR PANEL ARMRESTS
BLACK MORDURA CLOTH DRIVER SEAT COVER
BLACK MORDURA CLOTH PASSENGER SEAT
COVER
HIGH VISIBILITY ORANGE SEAT BELTS
ADJUSTABLE TILT AND TELESCOPING
STEERING COLUMN
4-SPOKE 18 INCH (450MM) LEATHER WRAPPED
STEERING WHEEL WITH CHROME SWITCH
BEZELS



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Description

DRIVER AND PASSENGER INTERIOR SUN
VISORS

Instruments & Controls

6 EXTRA PROGRAMMABLE
SWITCHES/INDICATORS
ELECTRONIC ACCELERATOR CONTROL
NO INSTRUMENT PANEL-DRIVER
FULLY CONFIGURABLE CENTER INSTRUMENT
PANELS
BRIGHT ARGENT FINISH GAUGE BEZELS
LOW AIR PRESSURE INDICATOR LIGHT AND
AUDIBLE ALARM
DUAL NEEDLE PRIMARY AND SECONDARY AIR
PRESSURE GAUGE
DASH MOUNTED AIR RESTRICTION INDICATOR
WITH GRADUATIONS
97 DB BACKUP ALARM
ELECTRONIC CRUISE CONTROL WITH
CONTROLS ON STEERING WHEEL SPOKES
KEY OPERATED IGNITION SWITCH AND
INTEGRAL START POSITION; 4 POSITION
OFF/RUN/START/ACCESSORY
PREMIUM INSTRUMENT CLUSTER WITH 5.0
INCH TFT COLOR DISPLAY
DIGITAL PANEL LAMP DIMMER SWITCH IN
DRIVER DISPLAY
HEAVY DUTY ONBOARD DIAGNOSTICS
INTERFACE CONNECTOR LOCATED BELOW LH
DASH
2 INCH ELECTRIC FUEL GAUGE
ENGINE REMOTE INTERFACE WITH ONE OR
MORE SET SPEEDS
QUICKFIT POWERTRAIN INTERFACE
CONNECTOR LOCATED BETWEEN SEATS WITH
BLUNTCUTS
QUICKFIT PROGRAMMABLE INTERFACE
CONNECTOR(S) UNDER CAB WITH BLUNTCUTS
ENGINE REMOTE INTERFACE CONNECTOR AT
POWERTRAIN INTERFACE CONNECTOR
ELECTRICAL ENGINE COOLANT TEMPERATURE
GAUGE
DIGITAL ENGINE OIL TEMPERATURE IN DRIVER
DISPLAY
ELECTRIC ENGINE OIL PRESSURE GAUGE



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Description

DIGITAL TRANSMISSION OIL TEMPERATURE IN DRIVER DISPLAY

ELECTRONIC OUTSIDE TEMPERATURE SENSOR DISPLAY IN DRIVER MESSAGE CENTER

ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY

NO OBSTACLE DETECTION SYSTEM

NO DR ASSIST SYSTEM

NO VEHICLE STABILITY ADVISOR OR CONTROL

NO LANE DEPARTURE WARNING SYSTEM

NO OVERHEAD INSTRUMENT PANEL

QUICKFIT PROGRAMMABLE INTERFACE MODULE + (8) 20 AMP FUSED RELAYS

AM/FM/WB WORLD TUNER RADIO WITH BLUETOOTH, USB AND AUXILIARY INPUTS, J1939

DASH MOUNTED RADIO

(2) RADIO SPEAKERS IN CAB

AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF

POWER AND GROUND WIRING PROVISION OVERHEAD

ROOF/OVERHEAD CONSOLE CB RADIO PROVISION

STANDARD RADIO WIRING WITH STEERING WHEEL CONTROLS

ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER

STANDARD VEHICLE SPEED SENSOR

ELECTRONIC 3000 RPM TACHOMETER

DETROIT CONNECT PLATFORM HARDWARE

3 YEARS DETROIT CONNECT BASE PACKAGE (FEATURES VARY BY MODEL) DETROIT CONNECT PLATFORM

(2) TMC RP1226 ACCESSORY CONNECTORS: (1) LOCATED BEHIND PASSENGER SIDE REMOVABLE DASH PANEL (1) CENTER OF OVERHEAD CONSOLE

IGNITION SWITCH CONTROLLED ENGINE STOP

FOUR EXTRA HARDWIRED SWITCHES IN DASH, ROUTE TO BETWEEN SEATS, BLUNTCUT



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Description

HARDWIRE SWITCH #1, ON/OFF LATCHING, 20 AMPS IGNITION POWER
HARDWIRE SWITCH #2, ON/OFF LATCHING, 30 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
(1) OVERHEAD MOUNTED LANYARD CONTROL FOR DRIVER AIR HORN
BW TRACTOR PROTECTION VALVE
TRAILER HAND CONTROL BRAKE VALVE
DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY
SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY AND ARCTIC TYPE BLADES
ROTARY HEADLAMP SWITCH, MARKER LIGHTS/HEADLIGHTS SWITCH WITH PULL OUT FOR OPTIONAL FOG/ROAD LAMPS
TWO VALVE PARKING BRAKE SYSTEM WITH DASH VALVE CONTROL AUTONEUTRAL AND WARNING INDICATOR
SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, HEADLAMP FLASH, WASH/WIPE/INTERMITTENT
INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH 40 AMP (20 AMP PER SIDE) TRAILER LAMP CAPACITY
NO WRG/SW-OPTL #2, CHAS, AIR

Design

TWO COLOR CUSTOM PAINT

Color

CAB COLOR A: N0006EA WHITE ELITE SS
CAB COLOR B: N2789EA FLAT BLACK ELITE SS
BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT
STANDARD E COAT/UNDERCOATING

Certification / Compliance

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



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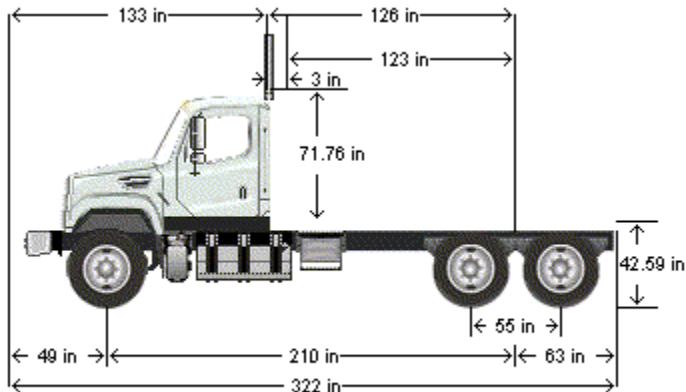
(***) All cost increases for major components (Engines, Transmissions, Axles, Front and Rear Tires) and government mandated requirements, tariffs, and raw material surcharges will be passed through and added to factory invoices.



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DIMENSIONS



VEHICLE SPECIFICATIONS SUMMARY - DIMENSIONS

Model	114SD
Wheelbase (545).....	5325MM (210 INCH) WHEELBASE
Rear Frame Overhang (552).....	1600MM (63 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)	114 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL 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

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Dimensions	Inches
Bumper to Back of Cab (BBC)	132.9
Bumper to Centerline of Front Axle (BA)	49.4
Front Axle to Back of Cab (AC)	83.5
Min. Cab to Body Clearance (CB)	3.0
Back of Cab to Centerline of Rear Axle(s) (CA)	126.2
Effective Back of Cab to Centerline of Rear Axle(s) (Effective CA)	123.2
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	189.2
Cab Height (CH)	71.8
Wheelbase (WB)	209.6
Frame Overhang (OH)	63.0
Overall Frame Length	322.0
Overall Length (OAL)	322.0
Rear Axle Spacing	55.0
Unladen Frame Height at Centerline of Rear Axle	42.6

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