

**Monroe Council Agenda
Regular Meeting of Council
May 25, 2021 – 6:30 p.m.
233 South Main Street, Monroe, Ohio**

Pledge of Allegiance

Roll Call

Approval of the Minutes – Council Minutes of May 11, 2021; Finance Committee Minutes of April 27, 2021; Public Works Committee Minutes of April 29, 2021; and Public Involvement Committee Minutes of May 5, 2021.

Visitors

- Presentation from the Charter Review Commission on proposed Charter changes.

Committee Reports

Public Works Committee
Finance Committee
Administrative Liaison Committee
Technology Committee
Public Involvement Committee
Public Safety Committee

Old Business

Resolution No. 28-2021. A Resolution authorizing a change order to Graybach, LLC in the amount of \$29,912.08 for 601 South Main Street. (Second Reading)

Resolution No. 29-2021. A Resolution authorizing membership in the Houston-Galveston Area Cooperative Purchasing Program. (Second Reading)

Resolution No. 30-2021. A Resolution authorizing the City Manager to enter into an agreement by and between the City of Monroe and Cintas for the rental of uniforms for the Department of Public Works. (Second Reading)

New Business

Ordinance No. 2021-15. An Ordinance combining the Street Fund and the Motor Vehicle License Tax Fund.

Ordinance No. 2021-16. An Ordinance accepting real property containing 1.3427 acres, more or less, from Park 63, Limited, as further described herein to be used for public purposes.

Ordinance No. 2021-17. An Ordinance supplementing Section 412.01(A)(1) of the Codified Ordinances to specifically include grass clippings.

Consideration of Motion to authorize the expenditure of \$187,581.00 for a Western Star Single Axel Dump Truck.

Consideration of Motion to authorize the expenditure of \$153,605.00 for a Freightliner Dump truck.

Discussion. Traffic control on State Route 63.

Administrative Reports

- **Executive Session** – to consider confidential information related to the marketing plans, specific business strategy, production techniques, trade secrets, or personal finance statements of an application for economic development assistance; sale of property; and review of negotiations with public employees concerning their compensation or other terms and conditions of their employment.

Adjournment

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Old Business

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New Business

Ordinance No. 2021-15. An Ordinance combining the Street Fund and the Motor Vehicle License Tax Fund.

Background. Per the related Ohio Revised Code sections, both the Street Fund and the MVLT Fund are authorized for use in the same purposes.

As we continue to review the City's various funds, we have noted an opportunity to combine the Street Fund and the MVLT Fund. This will decrease the number of funds that the City has to budget and

monitor, thereby reducing the time needed to manage these funds. Also, a combined fund will encourage a clearer budget when evaluating the overall cost of the City's road, highway, street, and bridge systems.

The Finance Committee has reviewed the proposal and had a positive recommendation.

Ordinance No. 2021-16. An Ordinance accepting real property containing 1.3427 acres, more or less, from Park 63, Limited, as further described herein to be used for public purposes.

Background. The Developer of the Park 63 Industrial Park has offered a residual parcel of ground within the subdivision for donation to the City. We have reviewed the parcel, and while we do not have any current need for it, it could be valuable for the expansion of either of the abutting properties. It will be advantageous for the City to hold the parcel and be able to use it as an incentive for future growth.

Ordinance No. 2021-17. An Ordinance supplementing Section 412.01(A)(1) of the Codified Ordinances to specifically include grass clippings.

Consideration of Motion to authorize the expenditure of \$187,581.00 for a Western Star Single Axel Dump Truck.

Background. This is one of two purchases of two dump trucks with outfitted equipment for snow plowing. These two trucks were approved in the overall 2021 budget and we are bringing them back to Council for final approval to purchase.

One truck is a Western Star single axel dump truck that will be outfitted with a bed and all the necessary snow plowing equipment. This piece of equipment is similar to the larger trucks in our fleet. This trucks total combined cost is \$187,581.00. See attachment for details.

Consideration of Motion to authorize the expenditure of \$153,605.00 for a Freightliner Dump truck.

Background. The second truck is a mid-sized Freightliner. This truck is smaller than the Western Star but is equipped with snow plowing equipment as well. We like to have these smaller trucks to aid in plowing cul-de-sacs and using them throughout the year on small jobs where it is more difficult to use the larger trucks. This trucks total combined cost is \$153,605.00. See attachment for details.

Discussion. Traffic control on State Route 63.

Administrative Reports

- **Executive Session** – to consider confidential information related to the marketing plans, specific business strategy, production techniques, trade secrets, or personal finance statements of an application for economic development assistance; sale of property; and review of negotiations with public employees concerning their compensation or other terms and conditions of their employment.

Adjournment

Monroe Council Minutes
Regular Meeting of Council
May 11, 2021 – 6:30 p.m.
233 South Main Street, Monroe, Ohio

Pledge of Allegiance

Mayor Frentzel opened the regular meeting of Council at 6:30 p.m. with the Pledge of Allegiance.

Roll Call

Council members present: Tom Callahan, Jason Frentzel, Anna Hale, Todd Hickman, Christina McElfresh, and Robert Routson.

Mrs. Hale moved to excuse Mr. Funk; seconded by Mr. Routson. Voice vote. Motion carried.

Approval of the Minutes

Mrs. Hale moved to approve the Council Minutes of April 27, 2021; seconded by Mrs. McElfresh. Voice vote. Motion carried.

Visitors

Jennifer Rogers addressed City Council regarding the ordinance that did not pass to include grass clippings in the roadway. Due to audio issues her comments could not be heard.

Mr. Hickman moved to direct the Clerk of Council to read Ms. Rogers comments into the record; seconded by Mrs. McElfresh. Voice vote. Motion carried.

The Clerk of Council read the following from Jennifer Rogers into the record:

“I am aware that a few of you do not feel it is necessary to change the language or add grass clippings to the ordinance. What you need to remember is people in this City voted for you to represent them. All of them. And although you have expressed in the last Council meeting you feel that it may be a hassle when a neighbor blows their grass onto the street while mowing and it doesn’t blow off and another nosey, picky neighbor calls to report them to be petty, but then a business operation blatantly hires an organization that should know that it is a hazard and repeatedly covers one lane or more of road of grass clippings. How much of a hassle do you feel it will be attending a funeral of a citizen who was out for a Sunday stroll on their motorcycle and slid into your car head on because of this grass?

So if you feel this only affects bikers think again. How would you feel watching the first responders remove the victims from under the front of your car? I am a wife, a mother, a grandmother, and a rider. Which one of you wants to make the call should I go down on grass blown in the road? Which of you would want to make that call to my family? Maybe you would think this would never happen to you, maybe you would like to hear from some of the riders in this room. Maybe you would like to speak with families of riders who will not be here for the next family celebration because of a few words because a few of the elected Councilmen and Councilwomen did not want to add to an ordinance.

I realize there is a state ordinance; however it is vague also. Why can't Monroe, my home of eight years, set an example to add a few words to protect lives.

I'm not sure how much time you have spent on the vinyl siding issue, but the vinyl siding on someone's home is not going to kill someone. And if this Council and other members of our community are concerned of the aesthetics of vinyl siding, the grass blown in the roads certainly gives vibes of an unkept City as well.

While there are other things this Council could dedicate more of their time on to improve this community than a home that replaced faulty siding that a permit from the City at one point in time was issued, I feel the grass clippings in the roadway should be an easy fix to add a few words to the ordinance in question and be done with it. Instead, we all had to take time away from our families to come out here to tell Council members who we elected to do something that is easy and a no brainer.

In closing, I hope you choose to add the grass clippings language to the ordinance and we do not have to escalate this matter. As I am sure most people here would agree to make a trip to Columbus as their ordinance needs updated as well.

Thank you for your time and consideration."

Mrs. McElfresh, Mrs. Hale, and Mr. Hickman agreed with Ms. Rogers.

Mr. Routson noted we have heard the visitor comments and Mr. Brock said that we don't have anyone to enforce it. How much time do we give residents to blow the grass off the street when they are mowing? When our City workers are mowing along the highways there is grass that goes in the roadway. How many parts per million are we talking about? One blade of grass or 5,000 blades of grass. I don't know anybody that mows their front yard that doesn't have grass out in the street. By the time they get done they get their blower out or broom and they get it off of there. Mr. Routson feels this should not be added.

Mr. Callahan agreed with Mr. Routson and noted that it seems part of the City is mowing grass out into the streets. Why can't everyone go out and just talk to their neighbor if they would care to blow their grass out of the street. If you have contractors that are doing this can't you just send them a letter to clean up after themselves. He does want everyone to be safe, but doesn't see any issue with it.

Mayor Frentzel stated that even if we had added grass clippings to the ordinance, Law Director Callahan advised that the current ordinance is vague, but it does have the power to encompass many things.

Mr. Hickman stated that he cuts his grass once or twice a week and he doesn't blow grass in the street.

Ms. Rogers stated that she is not talking about one blade of grass or her neighbors. She is talking about what happened on Todhunter Road and Yankee Road that was a massive amount of grass. She is not going to total her motorcycle on a blade of grass. Ms. Rogers stated that now that the City of Monroe knows about it and if she loses her life due to this, the City is going to pay for it.

Mayor Frentzel was of the opinion if Council chooses to add grass clippings they also need to look at how this would be enforced.

Committee Reports

Reporting on the Public Works Committee, Mr. Callahan reported that he visited the Public Works Building and we need to move forward with some of their needs. They need additional employees as a result of the new subdivisions being constructed. We need to step up on the maintenance program for our City. Mr. Callahan suggested that we should hire three new Operator/Laborer II positions. When they set their budget in June perhaps they can look at hiring three more. We have a salt truck that has holes in it and we should order two new trucks. It will take at least a year to get these trucks. This Department needs to get ahead with what is coming in the future.

Mr. Brock advised that it will be part of the overall budget process as well as the needs of the fire and police departments.

Reporting on the Public Involvement Committee, Mayor Frentzel announced that local girl scouts emailed Council asking if bins could be placed in the City Building to save can tabs to benefit the Ronald McDonald House.

As part of the Food Truck Fair on May 20th, it was requested that \$1,000 to pay for a band come out of the Public Involvement Fund. The Public Involvement Committee recommended approval for this.

The Public Involvement Committee recommended approval of \$10,000 for the Fourth of July Fireworks.

The Committee received an updated quote for the monument to be placed on East Avenue where the water tower used to be. That was \$14,155.00.

Mr. Hickman asked about the business that couldn't pay their taxes and was going to pay for the fireworks. Mr. Brock explained that Council will still need to approve the expenditure whether that entire amount comes out of the Public Involvement Committee funds or we use those funds once we receive them. Mr. Hickman asked if those funds would go back to the Public Involvement Committee. Mr. Brock believed there was a certain amount each year for that, but in either case Council needs to approve that amount.

Mr. Callahan asked about the monument and Mayor Frentzel explained that the water tower has been removed and around the time of the Bicentennial, Mr. Routson requested a monument be placed there representing the City Seal that has the water tower and the church steeple on it.

Mayor Frentzel moved to pay out of the Public Involvement Funds \$1,000 for the band during the May 20th Food Truck Fair, \$10,000 for the Fourth of July Fireworks, and \$14,155.00 for the monument; seconded by Mrs. Hale. Voice vote. Motion carried.

Mrs. Hale noted that the Food Truck Fair will be from 5 p.m. to 8 p.m. on May 20th at Monroe Community Park and the Historical Society's Log Cabin will be open during that time.

Mr. Callahan was at the Monroe Community Park and there is an area that would be great for a soccer field. Mr. Hickman noted that he will bring that up at the Park and Recreation Board meeting.

Mayor Frentzel moved to authorize the City Manager to execute an agreement with Rozzi Fireworks for the Fourth of July fireworks; seconded by Mrs. McElfresh. Voice vote. Motion carried.

Mayor Frentzel announced that we will have a Memorial Day Ceremony at the Veterans Memorial Park and reminded Council to let Mrs. Wasson know if they will be in attendance to read the roll call of veterans.

Old Business

Ordinance No. 2021-14. An Ordinance supplementing Exhibit “1” of Ordinance No. 2021-03 to establish the unclassified position of Human Resources Manager. (Second Reading)

Mrs. McElfresh moved to consider this the second reading of Ordinance No. 2021-14 and have it read by title only; seconded by Mrs. Hale. Voice vote. Motion carried.

The Clerk of Council read Ordinance No. 2021-14 by title only.

Mrs. McElfresh moved to adopt Ordinance No. 2021-14; seconded by Mr. Hickman. Roll call vote: six ayes. Motion carried.

New Business

Emergency Resolution No. 26-2021. A Resolution authorizing the City Manager to enter into a Lease Agreement by and between the City of Monroe and Enterprise Fleet Management and declaring an emergency.

Mr. Brock advised this is for a leased vehicle for the GIS Analyst.

Mrs. McElfresh moved to suspend the rule requiring the reading of Emergency Resolution No. 26-2021 on two separate days, authorize its adoption on the first reading, and have it read by title only; seconded by Mr. Hickman. Voice vote. Motion carried.

The Clerk of Council read Emergency Resolution No. 26-2021 by title only.

Mrs. McElfresh moved to adopt Emergency Resolution No. 26-2021; seconded by Mr. Callahan. Roll call vote: six ayes. Motion carried.

Emergency Resolution No. 27-2021. A Resolution authorizing the City Manager to enter into a contract by and between the City of Monroe and BlueScope Construction for the remodeling of the lower level of 233 South Main Street and declaring an emergency.

Mr. Brock reported this is for the remodel of the former police station at the City Building. The bid came in at \$531,389 and we put \$500,000 of the bond that we passed and we are asking that Council approve the entire amount. We will need Council to adjust the appropriations in the future.

Mrs. McElfresh moved to suspend the rule requiring the reading of Emergency Resolution No. 27-2021 on two separate days, authorize its adoption on the first reading, and have it read by title only; seconded by Mrs. Hale. Voice vote. Motion carried.

The Clerk of Council read Emergency Resolution No. 27-2021 by title only.

Mrs. McElfresh moved to adopt Emergency Resolution No. 27-2021; seconded by Mr. Hickman. Roll call vote: six ayes. Motion carried.

Resolution No. 28-2021. A Resolution authorizing a change order to Graybach, LLC in the amount of \$29,912.08 for 601 South Main Street.

Mr. Brock advised this is a change order for the HVAC systems at the new police facility to allow for heat in the front of the building.

Mrs. McElfresh moved to consider this the first reading of Resolution No. 28-2021 and have it read by title only; seconded by Mrs. Hale. Voice vote. Motion carried.

The Clerk of Council read Resolution No. 28-2021 by title only.

Mrs. McElfresh moved to approve the first reading of Resolution No. 28-2021; seconded by Mrs. Hale. Roll call vote: six ayes. Motion carried.

Resolution No. 29-2021. A Resolution authorizing membership in the Houston-Galveston Area Cooperative Purchasing Program.

Mr. Brock stated this allows the City to join into a purchase cooperative. Chief Centers advised this allows the Fire Department to purchase the same brand of SCBA's and can share parts if needed with the City of Middletown and Liberty Township.

Mrs. McElfresh moved to consider this the first reading of Resolution No. 29-2021 and have it read by title only; seconded by Mr. Hickman. Voice vote. Motion carried.

The Clerk of Council read Resolution No. 29-2021 by title only.

Mrs. McElfresh moved to approve the first reading of Resolution No. 29-2021; seconded by Mrs. Hale. Roll call vote: six ayes. Motion carried.

Resolution No. 30-2021. A Resolution authorizing the City Manager to enter into an agreement by and between the City of Monroe and Cintas for the rental of uniforms for the Department of Public Works.

Mr. Brock explained this is for uniforms for the union employees of the Public Works Department with no increase. Mr. Morton added that there was no price increase and they also included the names on the shirts and saved money on the contract for the next five years.

Mrs. McElfresh moved to consider this the first reading of Resolution No. 30-2021 and have it read by title only; seconded by Mr. Hickman. Voice vote. Motion carried.

The Clerk of Council read Resolution No. 30-2021 and have it read by title only.

Mrs. McElfresh moved to approve the first reading of Resolution No. 30-2021; seconded by Mrs. Hale. Roll call vote: six ayes. Motion carried.

Consideration of Motion accepting the December 2020 Finance Reports as submitted.

Mrs. McElfresh asked why we are just now approving December 2020 Finance Reports in May of 2021. Mr. Brock explained it takes much longer to close out the year and took longer because of the CARES Act funding. Mrs. McElfresh would like to make sure she is not looking at six months in arrears and looking at figures in as real time as possible. Mr. Brock replied that is why the five-year forecast is provided quarterly to Council.

Mrs. McElfresh moved to accept the December 2020 Finance Reports as submitted; seconded by Mr. Hickman. Voice vote. Motion carried.

Mr. Hickman asked about two residents that put vinyl on their homes and asked if there was anything Council could do for these residents so they don't have to pay \$300 to apply for a variance. He felt it was the City's mistake since both residents contacted the City prior to putting vinyl on their homes.

Law Director Callahan advised that he and Mr. Chesar have been discussing this matter and trying to work through this issue to figure out how to resolve this quickly and correctly.

Mr. Hickman asked for an update on the truck traffic on Todhunter. Law Director Callahan replied that is one of the subjects for executive session this evening.

Mr. Hickman moved to bring back the ordinance regarding grass clippings at the next meeting; seconded by Mrs. Hale.

Discussion.

Mayor Frentzel asked if there is a way we could look into the enforcement portion as well. Law Director Callahan stated that anything that someone places in the roadway that causes a dangerous situation to a pedestrian, vehicle, or animal and the enforcement of the ordinance falls on the administration. If someone gets cited into Mayor's Court under this ordinance we will look at the facts and prosecute as need be.

Voice vote. Motion carried.

Administrative Reports

- Discussion related to the AEP Proposal for a Renewable Energy Aggregation

Mr. Brock brought up the subject of aggregation specifically, for electric cost. He explained that Council would put the options for aggregation on the ballot to opt in or opt out. AEP has approached Mr. Brock on renewable energy that include wind and solar. They would be building those to meet our energy needs that is available to residents and businesses. This is just the supply of energy and not the distribution. This gives the opportunity to move to a renewable energy source at a lower cost. If Council would like to consider they could have AEP come to a meeting to explain it further. It was the consensus of Council to hear more about this.

- **Executive Session** – to consider confidential information related to the marketing plans, specific business strategy, production techniques, trade secrets, or personal finance statements of an application for economic development assistance; sale of property; and review of negotiations with public employees concerning their compensation or other terms and conditions of their employment.

Mrs. McElfresh moved to adjourn into executive session to consider confidential information related to the marketing plans, specific business strategy, production techniques, trade secrets, or personal finance statements of an application for economic development assistance, sale of property, review of negotiations with public employees concerning their compensation or other terms and conditions of their employment; and pending or imminent court action; seconded by Mr. Hickman. Roll call vote: six ayes. Motion carried.

Council adjourned into executive session at 7:56 p.m.

Mrs. McElfresh moved to reconvene into regular session; seconded by Mrs. Hale. Voice vote. Motion carried.

Council reconvened into regular session at 10:16 p.m.

Adjournment

Mrs. Hale moved to adjourn; seconded by Mrs. McElfresh. Voice vote. Motion carried.

The regular Council meeting adjourned at 10:16 p.m.

Respectfully submitted,

Angela S. Wasson, MMC
Clerk of Council

City of Monroe
Finance Committee of Council
April 27, 2021

The Finance Committee of Council met at 5:45 p.m. on April 27, 2021. This meeting was held remotely pursuant to Ohio Revised Code Section 121.221.

Present: Jason Frentzel, Mayor; Keith Funk, Vice Mayor; William J. Brock, City Manager; Karen Ervin, Director of Finance; Deborah Armitage, Assistant Finance Director; Kacey Waggaman, Assistant City Manager; and Angela S. Wasson, Assistant to the City Manager/Clerk of Council.

Mayor Frentzel asked about the graph showing the amount collected for 2020 versus what we budgeted or expected for revenue and there is about an \$800,000 difference. Mrs. Ervin explained that it is predominately the withholdings.

Mr. Funk recalled we were cutting a lot of budget figures trying to prepare for the impact of COVID and asked if that was enough as we look at how we closed out in 2020. Mr. Brock felt that it made the transition a lot smoother and was beneficial as you look out in years to come. We took the right steps.

Mrs. Ervin reported that based on the policy that we have in place we have cash reserves set up for the General Fund, Fire and EMS Levy Fund, Police Law Enforcement Fund, Capital Improvement Fund, and the G.O. Bond Debt Retirement Fund. Specifically, for the General Fund we set a minimum and maximum and for the two property tax levy funds we just set a minimum. For the Capital Fund we said we are going to cover any capital improvements we do for the upcoming year. For debt we said we are going to cover at least half of next year's payment. These are the target reserve numbers. When we set this policy up we had five years to achieve our target balances. Looking at the General Fund you will see our revenue is right in the middle of our target of where we wanted it to be. Fire and EMS and Police Law Enforcement are not at our target. We are probably going to come back to the Committee with a policy amendment based on these two because we think we are double counting the transfers out of the General Fund to cover these two.

Mr. Brock explained if you look at the General Fund you are transferring a certain amount down to those Fire and EMS Funds. We have to make sure to keep a sufficient fund balance, but if some of that fund balance we are keeping in the General Fund is too high because we are going to be accounting for it in the Fire and EMS Funds. That is also going to be part of a conversation that we need to have as we take a look at those funds and how we want to fund them overall. You have the General Fund and the different sources of revenue for police and fire now. We need to make sure we are identifying those true fund sources such as what you heard from the Fire Chief earlier this year. He would like to take a look at his levy fund and what that does. We do not want to be in a position where we are keeping funds away from needed uses out of that General Fund just because we have this policy where we may be double counting some of those funds. This is the first year of the policy and we need to take a closer look and understand it.

Mayor Frentzel recalled Mrs. Ervin saying it would take us five years to get this up and running and he did not want to go too fast and keep making revisions after we have already set the policy.

Mr. Brock pointed out that sometimes appropriations can be confusing. It is not always the cash balance you are looking at.

Based on the temporary appropriations, Mrs. Ervin advised the minimum we needed to cover in the Capital Improvement Funds was \$282,000. We left \$926,000. It seems like a lot, but there were some projects that were planned that didn't get completed. Once we prepared the permanent budget we added in a lot of those Capital items.

Mr. Brock advised that number is going to a lot harder to attain in the future because we are going to get that five year capital project amount and we will have a better understanding of what the needs of this City are from that document. We will need to make sure we have the flexibility to attain that. It is going to balance out because as Council considers advertising those Capital Projects in that five year plan we need to understand how to set aside those funds to make that happen.

Mrs. Ervin advised that one half of the payment for next year in the General Obligation Debt Fund is approximately \$409,000 and we have achieved about \$370,000. Overall, we did really good about being fiscally responsible. This is something she will provide every year.

Referring to the \$926,000, Mayor Frentzel asked if the \$926,000 is still a good number considering all of the projects that we were looking at or are we still below what is needed. Mrs. Ervin replied that the fund balance is below, but that has been accounted for in this year's budget from transfers from the General Fund. We can move that now or wait until what Capital Improvement Council has approved. The budgeted amount is \$3.1 million.

As an update on the Water Rate Study, Mrs. Ervin reported that she, along with the City Manager's office and Gary Morton, met with the consultant and they are still working through that. The consultant needed some guidance before they completed the rest. That should be forthcoming in the next couple of months with a projection on the water rates.

Mayor Frentzel asked how are we doing with delinquent utilities. Mrs. Ervin advised that letters have been going out and, as of the last Council meeting no payment plans have been set up; however, people have been paying in full.

In looking at the various funds, Mrs. Ervin pointed out the Cash Position report that has a lot of funds that need to be maintained separately. As she is looking through these funds she recommended that the Street Fund and the Motor Vehicle License Tax Fund be combined. Their purposes are identical and both in the Public Works Department. Mrs. Ervin noted that they will still have the same tracking mechanism on the revenue. There was no objection from the Committee to combine these funds.

The Finance Committee meeting adjourned at 6:10 p.m.

Respectfully submitted,

Angela S. Wasson, MMC
Clerk of Council

City of Monroe
Public Works Committee of Council
April 29, 2021

The Public Works Committee of Council met at 5:32 p.m. on April 29, 2021. This meeting was held remotely pursuant to Ohio Revised Code Section 121.221.

Present were: Tom Callahan, Council Member; Anna Hale, Council Member; William J. Brock, City Manager/City Engineer; Gary Morton, Director of Public Works; Kacey L. Waggaman, Assistant City Manager; and Angela S. Wasson, Clerk of Council/Assistant to the City Manager.

Mr. Morton stated that the purpose of the meeting is to discuss staffing, facility, and equipment needs of the Public Works Department. Mr. Morton gave the following presentation.

The different areas under the Department of Public Works are: administration, water maintenance, storm water maintenance, street maintenance, parks maintenance, facility maintenance, cemetery maintenance, and engineering.

Public Works Role in the City of Monroe

The role Public Works plays in the City of Monroe is all encompassing. Public Works touches all aspects of the City.

- We provide clean and safe streets for our residents, our guests, the traveling public and most importantly our safety services.
- We provide clean and safe drinking water to our residents, our businesses and again to our safety services.
- We provide clean, well groomed and safe parks for our residents and their families to enjoy. Our Disc Golf Course is known throughout the Tri-State as one of the best and most difficult places to come play.
- We provide support to every Department in the City organization by handling or assisting in Facility Maintenance. We maintain all of the City's HVAC systems and networks, we provide cleaning support throughout most of the City facility's. We provide whatever support may be needed within the organization.
- We provide two clean and well-maintained cemeteries so our residents and their families have a place to visit their loved ones who have passed on.
- We provide engineering services so that we hold accountable the developers that are building and growing our City. We provide the updates needed to continuously improve our always aging infrastructure.
- We provide many more services throughout the City such as Storm Water Collection and enforcing mandates of the Ohio EPA which we are required to do to protect our streams and rivers.

Staffing Needs by Division

Breakdown of Current and Proposed Employees

Current Employees = 28

- Director of Public Works
- Assistant Director of Public Works
- City Engineer- Part Time
- Public Works Administrative Assistant
- GIS Analyst
- Engineering Tech.
- Street Superintendent
- Water Superintendent
- (5) Crew Leaders
- (15) Operator/Laborers

Proposed Employees = 45

- City Engineer – Full Time. Mr. Brock is our current City Engineer as well as City Manager and he does not have the time to dedicate his time as City Engineer with his full time duties as City Manager. We have attempted to find a City Engineer without luck. We will continue to try to look.
- Engineering Technician. We would like to add another one as our Engineering Technician is unable to keep up. He is dealing with developers and builders daily and he doesn't have the time to deal with the Capital Improvement Projects. Therefor, these projects fall on the responsibility of the Director of Public Works that spends at least 60% of his time in the engineering area.
- Parks Superintendent. Depending on Council's direction, we may want to look at adding a Parks Superintendent to allow more focus on the parks, as well as a Parks Planner to plan summer programs for kids.
- Crew Leaders. We currently have five and would like to get to seven.
- Operator/Laborers. We currently have 15 and would like to get to 25 to add two additional full time crews.
- Certified ASE Mechanic. We need a mechanic as we have to send out our large repairs. Some of our smaller repairs are handled in-house and we get by as best as we can. We are sending more repairs out than we ever have as the employees are needed to be out on other projects.

Water Maintenance Crew

The City Water Distribution system is comprised of 95 miles of water main. This is enough pipe to stretch from I-75 & SR 63 in Monroe to 10 miles south of Georgetown, Kentucky. Pipe sizes range from 6" to 12". There are roughly 800 fire hydrants and over 2000 water main valves. There are 4,534 water services to maintain. We get utility locate requests every day through OUPS that we are required to be marked. All of this with four employees and their scheduled time off is not manageable. We have one Crew Leader and three Operator/Laborers.

We need to grow the Water Maintenance Division by two employees. This will allow us to dedicate one person to handle all of our utility locates and meter reading while allowing the Crew Leader and the other crew members to focus on system maintenance. We are mandated by the EPA to exercise valves and flush hydrants on an annual basis. We currently are not able to do any of this work due to current work load in the department. Another issue is the seniority within the department. With the amount of vacation time earned by employee's, it hard to maintain the needed staffing level. He would like to increase the Operator/Laborers to five. Mr. Morton would like to add the additional staff as soon as possible.

Storm Water Maintenance Crew

Currently, our Storm Water Division is responsible for cleaning and repairing catch basins, maintaining City-owned detention basins, street sweeping and host of other storm water related activities. They are also responsible for managing our annual storm water permit that is mandated by the Ohio EPA. The Storm Water Division maintains more than 70 miles of storm water piping, 2,858 catch basins and another 660 structures with these four people. We currently have one Crew Leader and three Operator/Laborers. He would like to increase the Operator/Laborers to five. Responsibilities will not change for the storm water division with the addition of two employees. Two additional employees will allow the crew separate into smaller groups and accomplish more work or come together as one for the larger projects. There is an unimaginable amount of work to do in our storm water system. The system is aging and the lack of proper inspections that was done in some the in the 90's is coming back to haunt us now. We are seeing complete subdivisions failing when it comes to the catch basin construction.

Street/Facility Maintenance Crews Combined

We currently have three Crew Leaders and nine Operator/Laborers. Currently, these 12 employees take care of streets, parks, facilities and cemeteries. We are constantly stretched thin due to work load and employee scheduled time off. The City's continued growth has surpassed what our crews are able to handle on a daily basis. The Street Department maintains over 240 lane miles of road, roadside mowing, asphalt repairs, asphalt maintenance as well many other tasks. For facilities we assist and maintain 21 buildings. Mr. Morton is proposing to combine all street division work and facility maintenance division work together. These three crews would work within these divisions unless otherwise necessary to help out where needed in other divisions. With the amount of work that is necessary to maintain the 240 streets and over 210 lane miles of roadway, we are not currently able to keep up proper maintenance. We are almost solely reactionary because we cannot focus on the maintenance necessary to maintain the infrastructure.

Parks/Cemetery Maintenance

Current staffing level is three Crew Leaders and nine Operator/Laborers. Currently, these 12 employees take care of streets, parks, facilities and cemeteries. We are constantly stretched thin due to work load and employee scheduled time off. The City's continued growth has surpassed what our crews are able to handle on a daily basis.

With Council's direction being to develop our parks infrastructure, it is imperative that our Parks Division grow quickly. With Bicentennial coming online by the end of 2021, we have to assess the needs of our crews. We will need to add an additional four man crew in 2022 to keep up with the additional work load that is going to be created by this park. We will also need to budget extra money in 2022 for crew trucks, an all-terrain utility vehicle, as well as other miscellaneous equipment to be able to service our parks system. We would like to bring the mowing of the parks back in-house to regain the quality control, but with current staffing we cannot keep up with the work load. Once again, we are reacting to issues rather than being proactive in our maintenance due to staffing shortages. We need in the parks and cemeteries is two Crew Leaders and six Operator/Laborers.

Engineering

The current staffing level is a Public Works Director, City Engineer (part-time), and Engineering Technician. Currently the City Manager is also acting as our City Engineer. In 2020, Public Works advertised for an Engineer of Record to act as our Engineer. Bids came in much higher than expected and we were forced to continue with a part time Engineer. With one Engineering Technician, we are not able to keep up with all of the plan review and inspections. Between private development and City capital improvement projects, the Director of Public Works is also playing the role of inspector as well as leading the Engineering Department in terms of working with consulting engineers to design projects and managing all contracts on City sponsored projects.

In 2021 or 2022, we need to fill the role of City Engineer. The City Manager is understandably unable to allow the necessary time to the role of Engineer. With this, Public Works staff is unable to move forward with the development of certain items as well as not being able to give timely answers to other Engineers, developers, as well as staff. We need an additional Engineering Technician so we can properly inspect and enforce our engineering standards. With the Director of Public Works trying to be an Inspector as well, he is not always able to be on job sites at critical times.

Facility Needs

Current Land Situation

Currently on Holman Ave the City owns three parcels of land totaling 7.423 acres. 1000 Holman sits on two parcels totaling 5.923 acres and 980 Holman sits on 1.5 acres. There is an easement for the property located behind us that split the two properties so they cannot be combined. There is also a drainage ditch that runs through the property that will need to be relocated if we were to try to rebuild on this site. There is also grading challenges with some fairly steep elevation changes across the property.

With the size of building that will be required to house Public Works, the 5.9 acres is just not enough land to work with. We still need land for a new salt storage structure and a lay down area for materials. If Council decides we need to stay in this location, we desperately need to try to purchase all or part of the 35 acres that is currently for sale which surrounds tree side of our property. If we purchase all 35 acres, it would allow us to use the property as dumping site for

many tears on the top half of the property. We could then stop dumping at Mound Cemetery. We will always need a dump site for our spoils as we dig throughout the City making repairs.

Proposed New Facility

The new building is designed to have a mechanics bay with a large lift and small lift. It would have a wash bay and add a sign shop. Currently, we order and pay for all of our street signs and this would give us a sign shop where we could make our own signs. It is challenging not to have all of the people in one space. Right now, we have 1000 Holman, 980 Holman, and the water building on Union Road. This building will not fit on the current land we have without relocating the drainage ditch that flows through the middle of our property, even then elevation changes on the property will make it difficult and very expensive to build a new salt storage building. Due to the topography the proposed building will not fit on our current lot without moving the drainage ditch.

Current Administrative Offices

This administrative office was added on to the facility in 2008. We have long out grown this space for our administration staff. The 980 Holman building was purchased to take the overflow of staff. It is difficult at times to not have all staff in one location.

We have 22 men that work out of the 1000 Holman building. We have this bathroom and one more with just one toilet for them to use. There are multiple times per day that bathrooms are unavailable for the needs of staff.

In this building, our break room also acts as our training room. We are not able to hold trainings or have all of our staff in the building at the same time. Currently, we have employees that have to sit in maintenance bays when getting their morning job assignments.

Current Shop

During the heavy rains this morning, water was leaking through the bottom of the building. Due to the nature of our work, plow trucks come into the heated shop frozen and covered in salt. As they thaw, the brine water runs towards the doors and overtime has rusted the bottom of the building away from the foundation. I had received a quote last year and it would cost about \$120,000.

Outdoor Area at 1000 Holman Avenue

We need a larger volume of storage for our salt brine. We also need a salt brine system. We currently get our salt brine from the old water plant. Once that property is sold, we will no longer have the ability to have salt brine without buying a system.

We do not have enough inside storage to keep things such as these implements for our skid loaders. In this picture, there is around \$50,000.00 worth of equipment sitting out in the rain, heat and snow. It causes premature failure of the equipment.

All of the asphalt around the facility is in complete failure.

Current Salt Barns

Our current salt barns are old and dilapidated. They are on the verge of falling over. The barn on the left holds about 600 tons of salt, the barn on the right holds about 600 tons of salt. To avoid salt shortages, we need to hold about 3000 tons of salt. This gives a two year supply of salt based on average winters. In bad winters this would eliminate salt shortages.

The side walls of the barns are bowing out due to the excessive weight pushing out on the walls that are not structurally designed for this type of weight. The back wall of the barn has completely blown out. There is a 4' gap where the gable and wall meet. Rain gets in and causes the salt to pack and clump.

Equipment Needs

Additional Equipment

With the growth of the department comes the need for additional equipment. As crews are added, we will need to grow the fleet as well.

- Each crew will need a service truck and pick-up truck for their daily use.
- We are transitioning away from 1-ton trucks and going to mid-sized dumps for the crews. This allows them to also be functional for snow plow operations as well.
- As of this moment, we have 14 large and medium duty trucks. We will need to get this number to 20 over the several years. This will allow us to have multiple crews for snow events and also allow us to create more snow routes which will in-turn improve our efficiency and effectiveness in our plowing operations
- We will need to add other equipment such as another excavator and skid loader to help support the additional staff.

Mr. Morton is very proud of the Public Works Department and stated that they take on a lot of projects that most Public Works Department's will not take on. We have a need for a lot of equipment. Sometimes we cannot do the jobs we need to do because we do not have the equipment.

Mrs. Hale asked if anyone knew the cost was for the 35 acres in that area and Mr. Brock advised we would have to ask the property owner what they are asking for the property. Mrs. Hale stated the Public Works Department does a great job and we have the best snow removal around. Within your budget for 2021 can you hire a certain amount of employees. Mr. Morton there is none budgeted in 2021, but I would like to hire in 2022. The water rate study will consider the additional employees in the water department. We will be working on the 2022 budget very soon. Some of the equipment is budgeted for in 2021 and we will be bringing that to Council for approval. He recognizes it is a long process, but we need to start catching up. We have to start looking at all of this because we are going to continue to grow.

Mr. Callahan asked if anything should be repaired before we move forward. Mr. Morton replied that we may have to repair some of it because some of it will fall down. Mr. Callahan noted the salt building needs to be looked at right away and around the building where it is rusted out. Mr. Callahan asked if so much of the building could be cut off and put a wall of concrete near the door to keep it from rusting further. Mr. Morton advised it was approximately \$100,000 to just repair the bottom couple of feet. Mr. Callahan stated you would just be putting a band-aid on the problem rather than fixing it.

Several options were discussed and Mr. Morton pointed out that they only want to do this one time and make sure it takes into consideration the existing and future needs.

Mr. Morton reported that we are trying to replace at least one dump truck per year, but we cannot hold onto these trucks for 10 plus years. We have one that was slated to be traded in four years ago and that didn't happen. It will cost \$13,000 to repair, but even with the repair being made we will not get \$13,000 out of it. When we bring these trucks to Council for replacement they do not have a lot of miles on them, but the salt will eat away at the truck and when they reach 10 years old we will not get much money for them when we paid over \$100,000 for it. It is the environment that these trucks are used for. If you ordered two this year they will not be in until 2022.

The Public Works Committee meeting adjourned at 6:56 p.m.

Respectfully submitted,

Angela S. Wasson, MMC
Clerk of Council

City of Monroe
Public Involvement Committee of Council
May 5, 2021

The Public Involvement Committee of Council met at 5:30 p.m. on May 5, 2021. This meeting was held remotely pursuant to Ohio Revised Code Section 121.221.

Present were: Christina McElfresh, Council Member; Jason Frentzel, Mayor; Anna Hale, Council Member; William J. Brock, City Manager/City Engineer; Brian Perkins, Assistant Director of Public Works; Joshua King, Patrol Officer; Angela S. Wasson, Clerk of Council/Assistant to the City Manager; Jesse Catanzaro, Director of Personnel and Business Operations with the Monroe Local School District; Nancy Hutton with the Nathaniel Sackett Chapter, Daughters of the American Revolution; Kim Mullally with the Monroe Lions Club; and Judy Shillinglaw with the Monroe Historical Society.

Memorial Day

Mr. Catanzaro will follow up with the Band and Choir Director to see if there is anyone available to be present during the ceremony.

Mr. Brock will need to know how many members of Council will be present to read the roll call of Veterans.

The Committee had no objection to moving forward with the Memorial Day Ceremony at 10 a.m. on May 31, 2021, at Veterans Memorial Park.

Fourth of July Fireworks

Mrs. Wasson reported that she already has a contract with Rozzi Fireworks and we just need a recommendation from the Committee to Council if we are moving forward and the amount to spend.

It was the recommendation of the Committee to move forward with the Fourth of July Fireworks on July 4th in the amount of \$10,000.

Ms. Mullally advised that the Monroe Lions Club is planning on moving forward with a Light Up the Sky event with COVID guidelines in place. She did have questions on the capacity of the park. Officer King will check on the capacity.

Officer King advised that most of the traffic comes in at the entrance off of South Main Street.

Mrs. Shillinglaw announced that the Monroe Historical Society will have the log cabin open during that time.

Ms. Mullally stated it would be a scaled down event with a beer tent and making sure that they stay within the Health Department guidelines.

Mrs. McElfresh asked what the guidelines are for gatherings. Mr. Brock explained that groups of ten is permitted provided these groups stay six feet apart. He further explained that we will give notification

to the Department of Health and they will provide notification back of what they want to see during these events.

Mr. Brock felt it would be good that the Public Works Department put up signage on the guidelines and hand sanitizer stations throughout the park.

Mayor Frentzel inquired if the Monroe Lions Club had planned on utilizing buses to assist people going back and forth from the park. Mr. Catanzaro will check with Petermann to see if this is an option.

Fourth of July Parade

Mrs. Wasson will put an article on the City's website and social media seeking individuals and/or organizations that would want to organize the parade.

Monument

Mrs. Wasson reported that she received updated drawings and an estimate for the monument with the City seal to be placed on East Avenue property where the former water tower was located next to the United Methodist Church. Mrs. Wasson noted that this is included in the budget.

Mr. Perkins advised that a footer would be poured three or four feet in the ground to support the weight of the monument. Mrs. Wasson noted that the cost of the monument came in at \$14,155.00; however, that did not include the cost of the footer.

The Committee recommended that Council proceed with the monument in the amount of \$14,155.00.

Roundtable

Mrs. Wasson brought up Officer King's request from the last Public Involvement Committee meeting for \$1,000 out of the Public Involvement Fund to pay for the band during the Food Truck Fair on May 20th. The Committee had no objection taking this money out of the Public Involvement Fund.

Mrs. McElfresh requested that the Public Involvement Committee meet monthly. It was the consensus of the Committee to meet at least once per month.

Officer King may be able to have some hand sanitizing stations donated for some of the events coming up.

The Public Involvement Committee meeting adjourned at 6:43 p.m.

Respectfully submitted,

Angela S. Wasson, MMC
Clerk of Council

ORDINANCE NO. 2021-15

AN ORDINANCE COMBINING THE STREET FUND AND THE MOTOR VEHICLE LICENSE TAX FUND.

WHEREAS, both the Street Fund and the Motor Vehicle License Tax Fund are authorized to be used for the same purposes pursuant to the Ohio Revised Code; and

WHEREAS, to simplify the chart of accounts, Council desires to combine the two funds into one based on the recommendation of the Director of Finance.

NOW, THEREFORE, BE IT ORDAINED BY THE COUNCIL OF THE CITY OF MONROE, STATE OF OHIO, THAT:

SECTION 1: The Street Fund and the Motor Vehicle License Tax Fund are hereby combined and shall only be known as the Street Fund and closing the Motor Vehicle License Tax Fund.

SECTION 2: This measure shall take effect and be in full force from and after the earliest period allowed by law.

PASSED: _____

ATTEST:

APPROVED:

Clerk of Council

Mayor



FINANCE DEPARTMENT

To: Finance Committee

From: Director of Finance

Date: April 27, 2021

Subject: Combining the Street Fund and the MVLT Fund

Background

	Street Fund (2210)	MVLT Fund (2230)
Origination	Has been in existence for many years.	Created in 1987
Purpose	Used to maintain the City's public highways, streets, roads, and bridges	Records the local permissive motor vehicle license tax collected by Butler and Warren Counties on behalf of the City
Budgeted By	Public Works Department	Public Works Department
Source of Revenue	Gas tax, motor vehicle registration fees, charges for service (Lemon Township & special assessments related to excess weeds)	Local motor vehicle license tax

AUTHORIZED EXPENDITURES

Per the related Ohio Revised Code sections, both the Street Fund and the MVLT Fund are authorized for use in the same purposes:

- To pay the costs and expenses of enforcing and administering this tax
- To plan, construct, reconstruct, improve, maintain, and repair public roads, highways, and streets, including State highways
- To purchase, erect, and maintain traffic lights and signals and traffic signs/markers on such highways
- To pay debt payments for street projects.

Historically, the MVLT has been used to purchase road salt as well as for other ancillary costs related to the City's roads, highways, and streets.

Recommendation

As we continue to review the City's various funds, we have noted an opportunity to combine the Street Fund and the MVLT Fund since they are authorized for the same expenditures. This will decrease the number of funds that the City has to budget and monitor, thereby reducing the time needed to manage these funds. Also, a combined fund will encourage a clearer budget when evaluating the overall cost of the City's road, highway, street, and bridge systems.

Next Steps:

If Finance Committee agrees with combining these two funds, we ask for a recommendation from the Committee, and then we will bring legislation to the next appropriate City Council meeting.

ORDINANCE NO. 2021-16

AN ORDINANCE ACCEPTING REAL PROPERTY CONTAINING 1.3427 ACRES, MORE OR LESS, FROM PARK 63, LIMITED, AS FURTHER DESCRIBED HEREIN TO BE USED FOR PUBLIC PURPOSES.

WHEREAS, the developer of the Park 63 Industrial Park has offered a residual parcel of ground as a donation to the City; and

WHEREAS, Council desires to accept said donated real property as an incentive for future growth.

NOW, THEREFORE, BE IT ORDAINED BY THE COUNCIL OF THE CITY OF MONROE, STATE OF OHIO, THAT:

SECTION 1: Council hereby accepts real property containing 1.3427 acres, more or less, from Park 63, Limited, known as Parcel No. C1800017000024 and further described on Exhibit "1" attached hereto and made a part hereof.

SECTION 2: This measure shall take effect and be in full force from and after the earliest period allowed by law.

PASSED: _____

ATTEST:

APPROVED:

Clerk of Council

Mayor

First Reading: _____

EXHIBIT A

Legal Description

1.3427 Acre Parcel

Being a parcel of land situated in the City of Monroe, Butler County, Ohio; Section 29, Township 3 East, Range 3 North and being part of Lot 3325 of Lot No. 3325 of Park 63 Industrial Subdivision, as recorded in Volume 3026, Page A of the Butler County Records Office and also being part of Registered Land Certificate No. 4754 and being more particularly described as follows:

Commencing at the centerline of State Route 63 where it intersects with the northerly extension of Salzman Road, said point also being the north line of Section 29; thence leaving the centerline of State Route 63 and the north line of Section 29 on the centerline of Salzman Road South 05°33'10" West, 1426.46 feet; thence leaving said centerline North 84°26'50" West, 419.99 feet to an iron pin found on the west line of said Lot No. 3325; thence on the lines of said Lot No. 3325 on the following courses: 1) North 5°33'10" East, 349.10 feet to an iron pin found on the south line of the property conveyed to Crystal Partners Limited Liability Company by deed recorded in O.R. 6086, page 1604; 2) on said south line North 73°33'31" West, 979.41 feet to an iron pin set at the northwest corner of a 1.800 acre property conveyed to KLH Enterprises, LTD by deed recorded in O.R. 6525, Page 36 , said point being the **REAL POINT OF BEGINNING** of the parcel herein described; thence leaving the lines of said Lot No. 3325 on the west line of said 1.800 acre property conveyed to KLH Enterprises, LTD South 5°37'25" West, 420.57 feet to an iron pin set

on the right of way line of Edison Drive; thence on said right of way line North 84°22'35" West, 134.93 feet to an iron pin set on the west line of said Lot No. 3325, also the southeast corner of the property conveyed to JSW Enterprises LTD by deed recorded in Book 7500, Page 658; thence leaving said right of way line on the lines of said Lot No. 3325 on the following courses: 1) on the east line of said property conveyed to JSW Enterprises LTD North 5°37'25" East, 446.35 feet to an iron pin set on the said south line of the property conveyed to Crystal Partners Limited Liability Company; 2) on said south line South 73°33'31" East, 137.37 feet to the **REAL POINT OF BEGINNING** containing 1.3427 acres more or less and being subject to all easements of record.

The above description is based on a field survey performed under the direct supervision of Daniel J. Binz, 6547 Brooks Road, Harrison Ohio, 45030, 513-202-0525, Ohio Registered Surveyor No. 7058 dated July 23, 2015.

"Recorded in Plat Book Volume 57, Page 116"

Being part of Lot No. 3325 city of Monroe as recorded in Volume 3026, Page "A" of the Butler County Recorders Office and leaving a balance in Lot 3325 of 0.0000 acres.



CLARK BLVD

EDISON DR

Monroe

WRIGHT DR

WESTHEIMER DR

SALZMAN RD

Lemon

ORDINANCE NO. 2021-17

AN ORDINANCE SUPPLEMENTING SECTION 412.01(A)(1) OF THE CODIFIED ORDINANCES TO SPECIFICALLY INCLUDE GRASS CLIPPINGS.

WHEREAS, Section 412.01(a)(1) prohibits persons from placing or knowingly dropping upon any part of a highway, lane, road, street, or alley any tacks, bottles, wire, glass, nails, or other articles which may damage or injure any person, vehicle, or animal traveling along or upon the highway; and

WHEREAS, Council deems it necessary to specifically include grass clippings within this prohibition.

NOW, THEREFORE, BE IT ORDAINED BY THE COUNCIL OF THE CITY OF MONROE, STATE OF OHIO, THAT:

SECTION 1: Section 412.01 (a) (1) of the Codified Ordinance is hereby supplemented to read as follows:

“(a) (1) No person shall place or knowingly drop upon any part of a highway, lane, road, street, or alley any tacks, bottles, wire, glass, nails, grass clippings, or other articles which may damage or injure any person, vehicle, or animal traveling along or upon the highway, except such substances that may be placed upon the roadway by proper authority for repair or construction thereof.”

SECTION 2: This measure shall take effect and be in full force from and after the earliest period allowed by law.

PASSED: _____

ATTEST:

APPROVED:

Clerk of Council

Mayor

First Reading: _____



TRUCK SALES | SERVICE | PARTS | LEASING

1770 Wapakoneta Fisher Rd | Wapakoneta, OH 45895
419-738-9684 | Fax 419-738-2370

stoops.com

May 13, 2021

City of Monroe
1000 Holman Dr.
Monroe, Ohio 45050

Attn: Jason Holbrook

Stoops Western Star of Ohio is please to quote the following attached Western Star Chassis and freightliner Chassis as part of the ODOT 023-21 Bid/ CO-OP purchasing plan governed by ORC section 9:48:

Truck quotes:

A) 2023 Western Star 4700SF Single Axle, 330 HP, Allison 3000RDS	Total State Bid Price	\$93,621.00
	Trade-in; 2010 International 7400	<u>-15,000.00</u>
		\$78,621.00
B) 2023 Freightliner M2 106 Single Axle, 325 HP, Allison 3500RDS	Total State Bid Price	\$78,042.00
	Trade-in; 2010 International 4300	<u>-10,000.00</u>
		\$68,042.00

Total chassis cost A & B= \$146,663.00

Trade-ins our based on: Make, model, year, how truck is equipped, rust and reconditions cost.
Current market trends and when trade will be received. (in this case, approximately a year from now).
*Trades shall be in same condition as view in good running condition.

5-year Municipal finance option;

\$146,663.00 x .21502968 payment factor = \$31,536.90 payment (5 equal annual payments)

*Body equipment can be financed with trucks.

The first payment is due at signing with additional payments due on annual anniversaries of the signing.

If I can be of further service, please give me a call at 419-738-9684, Thank You!

Best regards,


David Hibner

Sales Manager



Western Star is the unmatched leader
for Durability and Dependability

Accepted By:

Date _____

Prepared for:
Jason Holbrook
MONROE CITY OF ODOT
COOP
1000 HOLMAN DR

MONROE, OH 45050
Phone: 513-630-7966

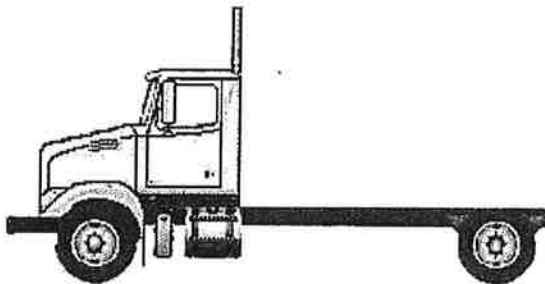
Prepared by:
Dave Hibner
STOOPS WESTERN STAR OF
OHIO
1770 WAPAK FISHER RD
WAPAKONETA, OH 45895
Phone: 419-230-9684

A proposal for
MONROE CITY OF ODOT CO-OP Purchasing
Contract 023-21

Prepared by
STOOPS WESTERN STAR OF OHIO
Dave Hibner

May 13, 2021

Western Star 4700SF



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

Application Version 11.6.205
Data Version PRL-23T.015
Monroe 470SF 42121



05/13/2021 2:07 PM

Page 1 of 19

Prepared for:
 Jason Holbrook
 MONROE CITY OF ODOT
 COOP
 1000 HOLMAN DR

 MONROE, OH 45050
 Phone: 513-630-7966

Prepared by:
 Dave Hibner
 STOOPS WESTERN STAR OF
 OHIO
 1770 WAPAK FISHER RD
 WAPAKONETA, OH 45895
 Phone: 419-230-9684

Q U O T A T I O N

4700 SET-FORWARD FRONT AXLE CHASSIS

SET FORWARD AXLE - TRUCK
 CUM L9 330 HP @ 2200 RPM; 2200 GOV RPM, 1000 LB-
 FT @ 1200 RPM
 ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH
 PTO PROVISION
 RS-23-160 23,000# R-SERIES SINGLE REAR AXLE
 30,000# FLAT LEAF SPRING REAR SUSPENSION WITH
 HELPER AND RADIUS ROD
 DETROIT DA-F-16.0-5 16,000# FL1 71.0 KPI/3.74 DROP
 SINGLE FRONT AXLE

16,000# FLAT LEAF FRONT SUSPENSION
 110 INCH BBC STEEL CONVENTIONAL CAB
 4275MM (168 INCH) WHEELBASE
 7/16X3-9/16X11-1/8 INCH STEEL FRAME
 (11.11MMX282.6MM/0.437X11.13 INCH) 120KSI
 1000MM (39 INCH) REAR FRAME OVERHANG
 PARTIAL INNER FRAME REINFORCEMENT AT FRONT
 SUSPENSION
 BODY COMPANY INSTALLED ADDITIONAL FRONT
 FRAME REINFORCEMENT FOR SNOW PLOW

		PER UNIT	TOTAL
VEHICLE PRICE	TOTAL # OF UNITS (1)	\$ 92,954	\$ 92,954
EXTENDED WARRANTY		\$ 0	\$ 0
DEALER INSTALLED OPTIONS		\$ 0	\$ 0
CUSTOMER PRICE BEFORE TAX		\$ 92,954	\$ 92,954

TAXES AND FEES

FEDERAL EXCISE TAX (FET)	\$ (223)	\$ (223)
TAXES AND FEES	\$ 0	\$ 0
OTHER CHARGES	\$ 380	\$ 380

TRADE-IN

TRADE-IN ALLOWANCE	\$ (0)	\$ (0)
---------------------------	--------	--------

BALANCE DUE	(LOCAL CURRENCY)	\$ 93,111	\$ 93,111
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COMMENTS: If built after January 1 this truck will be a 2023 model.

GHG17 emission mandate \$ 510

Total Price \$93,621

Do to worldwide demand and shortages projected delivery on is approximately ten to twelve months.

APPROVAL:

Please indicate your acceptance of this quotation by signing below:

Customer: X _____ Date: ____ / ____ / ____

Daimler Truck Financial

Financing that works for you.

See your local dealer for a competitive quote from Daimler Truck Financial, or contact us at Information@dtfoffers.com.

Daimler Truck Financial offers a variety of finance, lease and insurance solutions to fit your business needs. For more information about our products and services, visit our website at www.daimler-truckfinancial.com.



Prepared for:
 Jason Holbrook
 MONROE CITY OF ODOT
 COOP
 1000 HOLMAN DR

 MONROE, OH 45050
 Phone: 513-630-7966

Prepared by:
 Dave Hibner
 STOOPS WESTERN STAR OF
 OHIO
 1770 WAPAK FISHER RD
 WAPAKONETA, OH 45895
 Phone: 419-230-9684

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

	Description	Weight Front	Weight Rear
Price Level			
	WESTERN STAR 4700 PRL-23T (EFF:01/21/20)		
Data Version			
	SPECPRO21 DATA RELEASE VER 015		
Vehicle Configuration			
	4700 SET-FORWARD FRONT AXLE CHASSIS	9,100	6,570
	2023 MODEL YEAR SPECIFIED		
	SET FORWARD AXLE - TRUCK		
	TRAILER TOWING PROVISION AT END OF FRAME WITH SAE J560	10	10
	LH PRIMARY STEERING LOCATION		
General Service			
	TRUCK/TRAILER CONFIGURATION		
	DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
	UTILITY/REPAIR/MAINTENANCE SERVICE		
	GOVERNMENT BUSINESS SEGMENT		
	DIRT/SAND/ROCK COMMODITY		
	TERRAIN/DUTY: 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 : 16000.0 lbs.		
	EXPECTED REAR DRIVE AXLE(S) LOAD : 23000.0 lbs.		
	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 39000.0 lbs.		
	EXPECTED GROSS COMBINATION WEIGHT : 50000.0 lbs.		



Prepared for:
 Jason Holbrook
 MONROE CITY OF ODOT
 COOP
 1000 HOLMAN DR

 MONROE, OH 45050
 Phone: 513-630-7966

Prepared by:
 Dave Hibner
 STOOPS WESTERN STAR OF
 OHIO
 1770 WAPAK FISHER RD
 WAPAKONETA, OH 45895
 Phone: 419-230-9684

Description	Weight Front	Weight Rear
Truck Service		
FRONT PLOW/END DUMP BODY		
EXPECTED TRUCK BODY LENGTH : 11.0 ft		
NO MFR'S/BODY TYPE IDENTIFICATION		
Tractor Service		
VAN TRAILER		
SINGLE (1) TRAILER		
Engine		
CUM L9 330 HP @ 2200 RPM; 2200 GOV RPM, 1000 LB-FT @ 1200 RPM	-850	-70
Electronic Parameters		
75 MPH ROAD SPEED LIMIT		
CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT		
PTO MODE ENGINE RPM LIMIT - 700 RPM		
PTO MODE BRAKE OVERRIDE - SERVICE BRAKE APPLIED		
PTO RPM WITH CRUISE SET SWITCH - 700 RPM		
PTO RPM WITH CRUISE RESUME SWITCH - 700 RPM		
PTO MODE CANCEL VEHICLE SPEED - 5 MPH		
PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND		
PTO MINIMUM RPM - 700		
REGEN INHIBIT SPEED THRESHOLD - 5 MPH		
Engine Equipment		
2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/GHG21 CONFIGURATION		
2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD CORNER OF DRIVER DOOR)		
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	10	
DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE		

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Description	Weight Front	Weight Rear
(3) DTNA GENUINE, AGM STARTING AND CYCLING, MIN 2190CCA, 570RC, THREADED STUD BATTERIES		
PASSENGER SEAT BATTERY BOX VENTED TO OUTSIDE OF CAB		
BATTERY BOX MOUNTED UNDER PASSENGER SEAT		
WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		
PLASTIC BATTERY BOX COVER		
POSITIVE LOAD DISCONNECT WITH DASH MOUNTED CONTROL SWITCH	8	
POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER	2	
LOW VOLTAGE BATTERY DISCONNECT AT 12.3 VOLTS FOR ISOLATED CIRCUITS WITH LOCAL ALARM		
CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE		
AIR COMPRESSOR DISCHARGE LINE		
ELECTRONIC ENGINE INTEGRAL WARNING AND DERATE PROTECTION SYSTEM		
CUMMINS ENGINE INTEGRAL BRAKE WITH VARIABLE GEOMETRY TURBO ON/OFF	20	
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 DASH MOUNTED REGENERATION REQUEST SWITCH		
10 FOOT 06 INCH (126 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT		
RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP		
6 GALLON DIESEL EXHAUST FLUID TANK		
100 PERCENT DIESEL EXHAUST FLUID FILL		
STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING		
LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION		
STAINLESS STEEL AFTERTREATMENT DEVICE/MUFFLER/TAILOPIPE SHIELD		

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Description	Weight Front	Weight Rear
HORTON DRIVEMASTER ADVANTAGE ON/OFF FAN DRIVE		
AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED		
CUMMINS SPIN ON FUEL FILTER		
COMBINATION FULL FLOW/BYPASS OIL FILTER		
1300 SQUARE INCH ALUMINUM RADIATOR	-20	
MOUNTING FOR FIREWALL MOUNTED SURGE TANK		
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		
RADIATOR DRAIN VALVE		
NO RADIATOR/OIL PAN GUARD	-5	
PHILLIPS-TEMRO 1000 WATT/115 VOLT BLOCK HEATER	4	
NO OIL PREHEATER		
CHROME ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR		
ALUMINUM FLYWHEEL HOUSING		
ELECTRIC GRID AIR INTAKE WARMER		
DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC SWITCH	-35	

Transmission

ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	-230	-130
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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 6, AVAILABLE
 FOR 3000/4000 PRODUCT FAMILIES ONLY

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Description	Weight Front	Weight Rear
S1 PERFORMANCE PRIMARY SHIFT SCHEDULE, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
S2 PERFORMANCE 2 SECONDARY SHIFT SCHEDULE, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
1950 RPM PRIMARY MODE SHIFT SPEED		
1800 RPM SECONDARY MODE SHIFT SPEED		
MAXIMUM ENGINE SPEED FOR PTO ENGAGEMENT 2600 RPM		
MAXIMUM ENGINE SPEED FOR PTO OPERATION 3000 RPM		
MAXIMUM OUTPUT SPEED FOR PTO OPERATION 4000 RPM - ALLISON 5TH GEN TRANSMISSIONS		
ELECTRONIC TRANSMISSION WIRING TO CUSTOMER INTERFACE CONNECTOR		
CUSTOMER INSTALLED CHELSEA 280 SERIES PTO		
PTO MOUNTING, RH SIDE OF MAIN TRANSMISSION		
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, IN RADIATOR END TANK		
TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK		
SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)		

Front Axle and Equipment

DETROIT DA-F-16.0-5 16,000# 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
 CONMET CAST IRON FRONT BRAKE DRUMS
 FRONT OIL SEALS
 VENTED FRONT HUB CAPS WITH WINDOW,
 CENTER AND SIDE PLUGS - OIL

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Description	Weight Front	Weight Rear
STANDARD SPINDLE NUTS FOR ALL AXLES		
MERITOR AUTOMATIC FRONT SLACK ADJUSTERS		
STANDARD KING PIN BUSHINGS		
TRW THP-60 POWER STEERING WITH RCH45 AUXILIARY GEAR	90	
POWER STEERING PUMP		
4 QUART POWER STEERING RESERVOIR		
OIL/AIR POWER STEERING COOLER		
SYNTHETIC 40/50W FRONT AXLE LUBE		
Front Suspension		
16,000# FLAT LEAF FRONT SUSPENSION		
GRAPHITE BRONZE BUSHINGS WITH SEALS - FRONT SUSPENSION		
FRONT SHOCK ABSORBERS		
Rear Axle and Equipment		
RS-23-160 23,000# R-SERIES SINGLE REAR AXLE		-2,310
5.63 REAR AXLE RATIO		
IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		
MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES	-30	-30
DRIVER CONTROLLED TRACTION DIFFERENTIAL - SINGLE REAR AXLE		20
(1) DRIVER CONTROLLED DIFFERENTIAL LOCK REAR VALVE FOR SINGLE DRIVE AXLE		
INDICATOR LIGHT AND BUZZER 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		
BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S)		
CONMET CAST IRON REAR BRAKE DRUMS		
REAR BRAKE DUST SHIELDS		5
REAR OIL SEALS		
WABCO TRISTOP D LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS		-20

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	Description	Weight Front	Weight Rear
	MERITOR AUTOMATIC REAR SLACK ADJUSTERS		
	CURRENT AVAILABLE SYNTHETIC 75W-90 REAR AXLE LUBE		
Rear Suspension			
	30,000# FLAT LEAF SPRING REAR SUSPENSION WITH HELPER AND RADIUS ROD		150
	SPRING SUSPENSION - NO AXLE SPACERS		
	STANDARD AXLE SEATS IN AXLE CLAMP GROUP		
	FORE/AFT CONTROL RODS		
Brake System			
	WABCO 4S/4M ABS WITH TRACTION CONTROL, WITH ATC OFF-ROAD SWITCH		
	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES		
	FIBER BRAID PARKING BRAKE HOSE		
	STANDARD BRAKE SYSTEM VALVES		
	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE		
	WABCO SYSTEM SAVER HP WITH INTEGRAL AIR GOVERNOR AND HEATER		
	AIR DRYER MOUNTED INBOARD ON LH RAIL		
	ALUMINUM AIR BRAKE RESERVOIRS; CUSTOMER ACCEPTS TANKS MOUNTED PERPENDICULAR TO RAIL	-5	-5
	PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS		
Trailer Connections			
	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		
Wheelbase & Frame			
	4275MM (168 INCH) WHEELBASE		
	7/16X3-9/16X11-1/8 INCH STEEL FRAME (11.11MMX282.6MM/0.437X11.13 INCH) 120KSI	-10	190

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Description	Weight Front	Weight Rear
PARTIAL INNER FRAME REINFORCEMENT AT FRONT SUSPENSION	195	-5
BODY COMPANY INSTALLED ADDITIONAL FRONT FRAME REINFORCEMENT FOR SNOW PLOW		
1000MM (39 INCH) REAR FRAME OVERHANG		
FRAME OVERHANG RANGE: 31 INCH TO 40 INCH	40	-160
24 INCH INTEGRAL FRONT FRAME EXTENSION	135	-10
CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 87.09 in		
CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 84.09 in		
CALC'D FRAME LENGTH - OVERALL : 259.4		
FRAME HEIGHT TOP FRONT UNLADEN : 43.45 in		
FRAME HEIGHT TOP FRONT LADEN : 40.57 in		
FRAME HEIGHT TOP REAR UNLADEN : 41.94 in		
FRAME HEIGHT TOP REAR LADEN : 39.33 in		
CALCULATED FRAME SPACE LH SIDE : 61.87 in		
CALCULATED FRAME SPACE RH SIDE : 130.71 in		
CALC'D SPACE AVAILABLE FOR DECKPLATE : 80.78 in		
SQUARE END OF FRAME		
STANDARD WEIGHT ENGINE CROSSMEMBER		
STANDARD CROSSMEMBER BACK OF TRANSMISSION		
STANDARD MIDSHIP #1 CROSSMEMBER(S)		
STANDARD REARMOST CROSSMEMBER		
HEAVY DUTY SUSPENSION CROSSMEMBER		10
STANDARD WEIGHT REAR SUSPENSION CROSSMEMBER		

Chassis Equipment

14 INCH CHROMED STEEL BUMPER
 NO LICENSE PLATE MOUNTING
 FRONT ANTI-SPRAY CAB MOUNTED MUDFLAPS
 GRADE 8 THREADED HEX HEADED FRAME
 FASTENERS
 EXTERIOR HARNESSES WRAPPED IN
 ABRASION TAPE

Fuel Tanks

Application Version 11.6.205
 Data Version PRL-23T.015
 Monroe 470SF 42121



05/13/2021 2:07 PM

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Prepared for:
 Jason Holbrook
 MONROE CITY OF ODOT
 COOP
 1000 HOLMAN DR

 MONROE, OH 45050
 Phone: 513-630-7966

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 Dave Hibner
 STOOPS WESTERN STAR OF
 OHIO
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Description	Weight Front	Weight Rear
60 GALLON/227 LITER ALUMINUM FUEL TANK - LH		
25 INCH DIAMETER FUEL TANK(S)		
POLISHING OF FUEL/HYDRAULIC TANK(S) WITH POLISHED STAINLESS STEEL BANDS		
FUEL TANK(S) FORWARD		
POLISHED STEP FINISH		
FUEL TANK CAP(S)		
DAVCO 245 FUEL/WATER SEPARATOR WITH 12 VOLT HEAT AND WATER IN FUEL SENSOR	20	
EQUIFLO INBOARD FUEL SYSTEM		
HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		
Tires		
MICHELIN X WORKS Z 315/80R22.5 20 PLY RADIAL FRONT TIRES	100	
CONTINENTAL HDC3 11R22.5 16 PLY RADIAL REAR TIRES		96
Hubs		
CONMET PRESET PLUS PREMIUM IRON FRONT HUBS		
CONMET PRESET PLUS PREMIUM IRON REAR HUBS		
Wheels		
ALCOA ULTRA ONE 89U64X 22.5X9.00 10-HUB PILOT 5.99 INSET ALUMINUM FRONT WHEELS	-28	
ALCOA LVL ONE 88267X 22.5X8.25 10-HUB PILOT ALUMINUM DISC REAR WHEELS		-112
FRONT WHEEL MOUNTING NUTS		
REAR WHEEL MOUNTING NUTS		
Cab Exterior		
110 INCH BBC STEEL CONVENTIONAL CAB		
WESTERN STAR STAINLESS STEEL CAB SKIRT		
AIR CAB MOUNTS WITH CHECK VALVE		
REPTO DRIVELINE ACCESS IN CAB FLOOR WITH RACEWAY		
NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE		
FRONT FENDERS		
2 INCH FENDER EXTENSIONS	5	

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Description	Weight Front	Weight Rear
LH AND RH EXTERIOR GRAB HANDLES WITH RUBBER INSERTS AND RH INTERIOR GRAB HANDLE MOUNTED TO A POST		
STATIONARY BRIGHT FINISH GRILLE		
CHROME HOOD MOUNTED AIR INTAKE GRILLE		
GALVANEALD STEEL SEVERE SERVICE CAB		
FIBERGLASS HOOD		
HOOD OPENING ASSIST		
DUAL ROUND AIR HORNS, SINGLE BASE, MOUNTED UNDER CAB		
DUAL ELECTRIC HORNS		
ALL UNIT(S) KEYED ALIKE WITH CUSTOMER SPECIFIED KEY NUMBER D420		
SINGLE RECTANGULAR H4 HALOGEN HEADLIGHTS WITH BRIGHT BEZELS		
LED MARKER LAMPS		
WIRING AND SWITCH FOR CUSTOMER FURNISHED SNOW PLOW LAMPS WITH DUAL CONNECTIONS AT BUMPER		
DAYTIME RUNNING LIGHTS		
INTEGRAL STOP/TAIL/BACKUP LIGHTS		
STANDARD FRONT TURN SIGNAL LAMPS		
DUAL AERO BRIGHT FINISH HEATED DUAL AXIS 1-PIECE MOTORIZED MIRRORS WITH LIGHTS, LH AND RH REMOTE AND INTEGRAL CONVEX MIRRORS	20	
CAB MOUNTED MIRRORS		
102 INCH EQUIPMENT WIDTH		
DUAL BRIGHT FINISH HEATED CONVEX MIRRORS WITH MANUAL ADJUSTMENT AND DUAL AXIS FOR 1-PIECE PRIMARY MIRRORS		
RH DOWN VIEW MIRROR		
STANDARD SIDE/REAR REFLECTORS		
STAINLESS STEEL EXTERIOR SUN VISOR	28	
17.5X35 INCH TINTED REAR WINDOW		
TINTED DOOR GLASS		
RH AND LH ELECTRIC POWERED WINDOWS	4	
2-PIECE ROPED-IN HEATED WIPER PARK SOLAR GREEN GLASS WINDSHIELD		
2 GALLON WINDSHIELD WASHER RESERVOIR WITH FLUID LEVEL INDICATOR, MOUNTED UNDER CAB, WITH REMOTE FILL		

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	Description	Weight Front	Weight Rear
Cab Interior			
	SMOKY MOUNTAIN GRAY VINYL PREMIUM INTERIOR		
	BLACK HARD TRIM		
	BASE LEFT HAND DOOR TRIM		
	BASE RIGHT HAND DOOR TRIM		
	BLACK MATS WITH DOUBLE INSULATION		
	DASH MOUNTED ASH TRAY AND LIGHTER, DRIVER SIDE		
	FORWARD ROOF MOUNTED CONSOLE		
	LH AND RH DOOR MAP POCKETS		
	(2) COAT HOOKS ON BACKWALL OF CAB		
	(1) DOUBLE CUP HOLDER WITH CELL PHONE HOLDER LH OR RH DASH		
	TWO-TONE CHARCOAL UPPER/COOL GRAY LOWER SOFT TOUCH WING DASH WITH BLACK DRIVER SIDE COSMETIC UNDER DASH COVER		
	5 LB. FIRE EXTINGUISHER	10	
	HEATER, DEFROSTER AND AIR CONDITIONER WITH CONSTANT OUTLET TEMPERATURE CONTROL		
	HVAC DUCTING WITH FOAM MAIN FRESH AIR FILTER		
	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH		
	STANDARD HEATER PLUMBING WITH BALL SHUTOFF VALVES		
	VALEO HEAVY DUTY A/C REFRIGERANT COMPRESSOR		
	RADIATOR MOUNTED AIR CONDITIONER CONDENSER		
	BINARY CONTROL, R-134A		
	CAB INSULATION		
	AUTOMATIC SELF-RESET CIRCUIT BREAKERS/FUSES IN DASH POWER DISTRIBUTION BOXES AND FUSES IN AUXILIARY POWER DISTRIBUTION BOXES		
	DOOR ACTIVATED DOME LIGHT, UNDER DASH LIGHT AND LH AND RH DOOR MOUNTED COURTESY LIGHTS		
	CAB DOOR LATCHES WITH MANUAL DOOR LOCKS		

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Description	Weight Front	Weight Rear
TRIANGULAR REFLECTORS KIT WITHOUT FLARES SHIPPED LOOSE IN CAB	10	
BASIC HIGH BACK AIR SUSPENSION DRIVER SEAT WITH 1 CHAMBER AIR LUMBAR, INTEGRATED CUSHION EXTENSION AND REAR CUSHION TILT		
BATTERY BOX MID BACK NON SUSPENSION PASSENGER SEAT		
INBOARD DRIVER SEAT ARMREST, NO PASSENGER SEAT ARMREST	2	
MORDURA CLOTH DRIVER SEAT		
MORDURA CLOTH PASSENGER SEAT		
3 POINT DRIVER AND PASSENGER SEAT BELT RETRACTORS		
ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN		
4-SPOKE 18 INCH (450MM) BLACK STEERING WHEEL WITH SWITCHES		
DRIVER AND PASSENGER INTERIOR SUN VISORS		

Instruments & Controls

NON-ADJUSTABLE SUSPENDED PEDALS		
ELECTRONIC ACCELERATOR CONTROL		
BRIGHT ARGENT FINISH GAUGE BEZELS		
ROYAL ROSEWOOD MATTE FINISH DRIVER INSTRUMENT PANEL		
ROSEWOOD VINYL MATTE FINISH CENTER INSTRUMENT PANEL INSERT		
LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM		
2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES		
INTAKE MOUNTED AIR RESTRICTION INDICATOR WITH GRADUATIONS		
87 DB TO 112 DB SELF-ADJUSTING BACKUP ALARM		3
ELECTRONIC CRUISE CONTROL WITH CONTROLS ON STEERING WHEEL SPOKES		
KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY		
ICU4ME DRIVER MESSAGE CENTER WITH GRAPHICAL DISPLAY, BLACK FACE GAUGES, DIAGNOSTICS AND DATA LINKED		

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Description	Weight Front	Weight Rear
HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH		
2 INCH ELECTRIC FUEL GAUGE		
PROGRAMMABLE RPM CONTROL - ELECTRONIC ENGINE		
CUSTOMER INTERFACE CONNECTOR LOCATED BETWEEN SEATS WITH CAPS		
ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE		
2 INCH TRANSMISSION OIL TEMPERATURE GAUGE		
ELECTRONIC OUTSIDE TEMPERATURE SENSOR DISPLAY IN DRIVER MESSAGE CENTER		
(1) DASH MOUNTED PTO SWITCH WITH INDICATOR LAMP FOR CUSTOMER INSTALLED PTO	10	
ELECTRIC ENGINE OIL PRESSURE GAUGE		
TOP OF DASH NAVIGATION PREP WITH POWER AND GROUND		
AM/FM/WB WORLD TUNER RADIO WITH BLUETOOTH, USB AND AUXILIARY INPUTS, J1939	10	
ROOF/OVERHEAD CONSOLE MOUNTED RADIO		
(4) RADIO SPEAKERS IN CAB		
POWER AND GROUND WIRING FOR CB RADIO IN OVERHEAD CONSOLE		
ROOF/OVERHEAD CONSOLE CB RADIO PROVISION		
MULTI-BAND AM/FM/WB/CB LH MIRROR MOUNTED ANTENNA SYSTEM		
ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITH ODOMETER		
STANDARD VEHICLE SPEED SENSOR WITH ADDITIONAL SIGNAL FOR CUSTOMER USE LOCATED BETWEEN DRIVER AND PASSENGER SEATS		
ELECTRONIC 3000 RPM TACHOMETER		
NO VEHICLE PERFORMANCE MONITOR	-5	
TELEMATICS PREWIRE WITH POWER, GROUND AND J1939 AT CUSTOMER INTERFACE CONNECTOR		
IGNITION SWITCH CONTROLLED ENGINE STOP		

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	Description	Weight Front	Weight Rear
	FOUR EXTRA SWITCHES IN DASH HARDWIRE SWITCH #1,ON/OFF LATCHING, 20 AMPS IGNITION WIRED TO CUSTOMER INTERFACE CONNECTOR HARDWIRE SWITCH #2,ON/OFF LATCHING, 20 AMPS IGNITION WIRED TO CUSTOMER INTERFACECONNECTOR HARDWIRE SWITCH #3,ON/OFF LATCHING, 20 AMPS IGNITION WIRED TO CUSTOMER INTERFACECONNECTOR HARDWIRE SWITCH #4,ON/OFF LATCHING, 20 AMPS IGNITION WIRED TO CUSTOMER INTERFACECONNECTOR BW TRACTOR PROTECTION VALVE TRAILER HAND CONTROL BRAKE VALVE 2 INCH TURBO AIR PRESSURE GAUGE DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY AND ARCTIC TYPE BLADES MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SW WITH HEADLIGHT/MRKR LT INTERRUPTER SWITCHES ON STEERING WHEEL & DASH SW FOR CUSTOMER FURNISHED SNOWPLOW LTS TWO VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR SELF CANCELING TURN SIGNAL SWITCH, HEADLAMP HIGH/LOW AND FLASH, WASH/WIPE/INTERMITTENT PACIFIC INSIGHT ELECTRONIC FLASHER		
Design	PAINT: ONE SOLID COLOR		
Color	CAB COLOR A: L0006EY WHITE ELITE EY CAB INTERIOR PAINTED SAME AS CAB COLOR BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT		
Certification / Compliance	U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS		
Secondary Factory Options			

Prepared for:
 Jason Holbrook
 MONROE CITY OF ODOT
 COOP
 1000 HOLMAN DR
 MONROE, OH 45050
 Phone: 513-630-7966

Prepared by:
 Dave Hibner
 STOOPS WESTERN STAR OF
 OHIO
 1770 WAPAK FISHER RD
 WAPAKONETA, OH 45895
 Phone: 419-230-9684

Description	Weight Front	Weight Rear
DEALER HAS BEEN ADVISED OF AND ACCEPTED RESPONSIBILITY FOR MODIFICATIONS DUE TO POSSIBLE PTO/CHASSIS INTERFERENCE		

Raw Performance Data

CALCULATED EFFECTIVE BACK OF CAB TO
 REAR SUSPENSION C/L (CA) : 84.09 in
 CALC'D SPACE AVAILABLE FOR DECKPLATE :
 80.78 in

TOTAL VEHICLE SUMMARY

Weight Summary

	Weight Front	Weight Rear	Total Weight
Factory Weight ⁺	8615 lbs.	4202 lbs.	12817 lbs.
Total Weight ⁺	8615 lbs.	4202 lbs.	12817 lbs.

(+) Weights shown are estimates only.

If weight is critical, contact Customer Application Engineering.

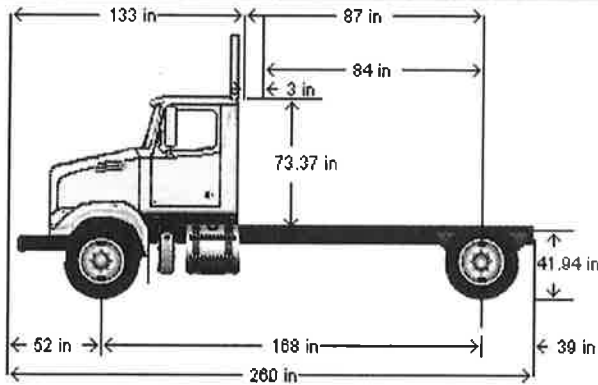
(***) All cost increases for major components (Engines, Transmissions, Axles, Front and Rear Tires) and government mandated requirements, tariffs, and raw material surcharges will be passed through and added to factory invoices.

Prepared for:
Jason Holbrook
MONROE CITY OF ODOT
COOP
1000 HOLMAN DR

MONROE, OH 45050
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OHIO
1770 WAPAK FISHER RD
WAPAKONETA, OH 45895
Phone: 419-230-9684

DIMENSIONS



VEHICLE SPECIFICATIONS SUMMARY - DIMENSIONS

Model.....	4700SF
Wheelbase (545)	4275MM (168 INCH) WHEELBASE
Rear Frame Overhang (552)	1000MM (39 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).....	110 INCH BBC STEEL CONVENTIONAL CAB
Sleeper (682)	NO SLEEPER BOX/SLEEPERCAB
Exhaust System (016).....	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE

TABLE SUMMARY - DIMENSIONS

Prepared for:
 Jason Holbrook
 MONROE CITY OF ODOT
 COOP
 1000 HOLMAN DR

MONROE, OH 45050
 Phone: 513-630-7966

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Dimensions	Inches
Bumper to Back of Cab (BEC)	133.2
Bumper to Centerline of Front Axle (BA)	52.0
Min. Cab to Body Clearance (CB)	3.0
Back of Cab to Centerline of Rear Axle(s) (CA)	87.1
Effective Back of Cab to Centerline of Rear Axle(s) (Effective CA)	84.1
Back of Cab Protrusions (Exhaust/Intake) (CP)	4.0
Back of Cab Protrusions (Side Extenders/Frim Tab) (CP)	3.0
Back of Cab Protrusions (CNG Tank)	3.0
Back of Cab Clearance (CI)	3.0
Back of Cab to End of Frame	123.5
Cab Height (CH)	73.4
Wheelbase (WB)	163.3
Frame Overhang (OH)	33.4
Overall Frame Length	253.4
Overall Length (OAL)	253.7
Rear Axle Spacing	3.0
Unladen Frame Height at Centerline of Rear Axle	41.9

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

W.A. Jones

Truck Bodies and Equipment

Columbia City, IN

www.wajonestruckequipment.com

4/20/2021

City of Monroe

Attn: Jason Holbrook

Single Axle Plow Package

Per Monroe Sourcewell Contract# 080114-MTE

Snow Plow

Monroe Model MPJ39R10 Reversible Snow Plow

39"x10' Torsion Trip Edge Moldboard

"J" Style Moldboard for Reduced Blowback

10 GA Stainless Steel Moldboard

Right Hand Mailbox Trim

Rubber Snow Deflector

36" Cable Core Plow Markers

(6) ½" Flame Cut Ribs

4"x4"x3/4" Bottom Angle

Wausau Style Drive Frame with 4"x16" Outboard Cylinders

Built In level Lift with double chain lift

Standard Cutting Edge

Parking Jack

Monroe Model QCP Pin and Loop adapter with Swivel Plate

Plow Hitch

Monroe Model MC2075 Drop Pin Quick Hitch

4" Double Acting Lift Cylinder

Telescopic Lift Beam

Full Sideplate Hitch Reinforcement

OEM Bumpers Cut and Re-Installed

Central Hydraulic System

Certified Power Load Sense System

Chelsea Constant Mesh PTO

Danfoss 75CC Load Sense Piston Pump

Freedom 2.2 Spreader Controller

Electric Joysticks

MDC Console with Armrest and 6 Backlit LED Switches

30 Gallon Stainless Steel Valve Mount Tank

1171 South Williams Dr.
Columbia City, IN 46725
Phone: 260-244-7661

www.wajonestruckequipment.com

W.A. Jones

Truck Bodies and Equipment

Columbia City, IN

www.wajonestruckequipment.com

Pressure Relief Valve Installed on Hitch
Stainless Steel Hydraulic lines run to front and rear
Stainless Steel Quick Couplers
System Fully Tested and Pre Calibrated
Final Calibration Upon Delivery

Dump Body

Monroe FFDS-DA 11' Stainless Steel Combination Dump Body

7 GA 201 Stainless Steel Construction
Crossmemberless Understructure
¼" Stainless Steel Floor with ¼" AR400 Overlay
Double Bar Chain Conveyor-One bar every chain link
Extended Grease Tubes for Auger Bearings
¼" AR400 Conveyor Cover Plate
Dirt Shedding Upper and Lower Rails
34" Side Height
Single Horizontal Side Brace
Six Panel Tailgate Bracing
Double Acting Air Release Tailgate
Flame Cut Tailgate Hardware
24"x84" Stainless Cabshield Fully Welded with Light Housings
Stainless Steel Slide Out Side Ladder
Body Props
(2) Grab Handles Shipped Loose and Placed as needed
Black Poly Liner Installed to Top of Frame Rails Under Body
Tuck Away Spinner Assembly with Adjustable Baffles and 20" Spinner Disc

Hoist

Mailhot 25 Ton Class 50 Telescopic Hoist
Double Acting (power up, power down)
12" Doghouse in front of body
Greaseable Stainless Steel Hinge Pins
Mounted and Installed

1171 South Williams Dr.
Columbia City, IN 46725
Phone: 260-244-7661

www.wajonestruckequipment.com

W.A. Jones

Truck Bodies and Equipment

Columbia City, IN

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Electrical

ABL Heated LED Plow lights Mounted on Hood with Stainless Brackets (plug type connector, not hard wired)

Soundoff Signal LED Strobe Package

(6) Amber LED Strobes Mounted in Cabshield (Boxed) Facing Front, Sides and Rear Each Side

(2) Amber LED Strobes Mounted in Rear Corner Posts

(2) LED Stop/Tail/Turn Lights Mounted in Rear Corner Posts

(2) LED Back Up Lights Mounted in Rear Corner Posts

(2) 4" LED Spinner Lights Installed Inside on Frame Rails Facing Outward

Power Distribution Panel Installed inside back of cab

Pre Wetting System

Monroe PWS Pre Wetting System

100 gallon frame mounted tank

Stainless Steel Mounting Hardware

Certified Power Closed Loop Pre Wet Pump

Spray at Spinner

Installed

Pintle Plate

3/4" Pintle Plate Fully Welded

20 Ton Pintle Hook with 8 hole adjustment

7 Way PIN Trailer Plug

(2) 1" D-Rings

Chassis OEM Taillights Installed Outside of Pintle Plate and Recessed

Miscellaneous

Hardwood Sideboards Painted Color of Your Choice

Poly Fenders with Stainless Brackets

Stainless Steel Shovel Holder

Red and White Reflective Tape on Lower Rub rails and Tailgate

Chassis Frame Rails and Underside of Dump Body Undercoated

Stainless Steel Swinging Mudflap Brackets with Mudflaps

Total Package Price \$92,842.00

1171 South Williams Dr.
Columbia City, IN 46725
Phone: 260-244-7661

www.wajonestruckequipment.com

W.A. Jones

Truck Bodies and Equipment

Columbia City, IN

www.wajonstruckequipment.com

Option:

Heavy Duty Dual Receiver Spinner Assembly All Stainless **ADD \$1,118.00**

The above pricing includes all delivery charges. The chassis supplied for this quote requires a 84" CA with front frame extension, clean frame rails, PTO provision, and stationary grille. Due to current Federal Emissions Standards, WA Jones will not be held responsible for any chassis that requires exhaust modification. WA Jones will not be held responsible for relocating chassis components that interfere with mounted equipment unless prior documentation is received prior to order.

We appreciate the opportunity to provide you with a quote for this project. Please feel free to contact me with any questions.

Regards,

Paul Sackett
Municipal Sales Representative
614-595-7394 mobile
paulsackett@wajonstruckequipment.com

1171 South Williams Dr.
Columbia City, IN 46725
Phone: 260-244-7661

www.wajonstruckequipment.com



TRUCK SALES | SERVICE | PARTS | LEASING

1770 Wapakoneta Fisher Rd | Wapakoneta, OH 45895
419-738-9684 | Fax 419-738-2370

stoops.com

May 13, 2021

City of Monroe
1000 Holman Dr.
Monroe, Ohio 45050

Attn: Jason Holbrook

Stoops Western Star of Ohio is please to quote the following attached Western Star Chassis and freightliner Chassis as part of the ODOT 023-21 Bid/ CO-OP purchasing plan governed by ORC section 9:48:

Truck quotes:

A) 2023 Western Star 4700SF Single Axle, 330 HP, Allison 3000RDS	Total State Bid Price	\$93,621.00
	Trade-in; 2010 International 7400	<u>-15,000.00</u>
		\$78,621.00
B) 2023 Freightliner M2 106 Single Axle, 325 HP, Allison 3500RDS	Total State Bid Price	\$78,042.00
	Trade-in; 2010 International 4300	<u>-10,000.00</u>
		\$68.042.00

Total chassis cost A & B= \$146,663.00

Trade-ins our based on: Make, model, year, how truck is equipped, rust and reconditions cost.
Current market trends and when trade will be received. (in this case, approximately a year from now).

*Trades shall be in same condition as view in good running condition.

5-year Municipal finance option;

\$146,663.00 x .21502968 payment factor = \$31,536.90 payment (5 equal annual payments)

*Body equipment can be financed with trucks.

The first payment is due at signing with additional payments due on annual anniversaries of the signing.

If I can be of further service, please give me a call at 419-738-9684, Thank You!

Best regards,


David Hibner

Sales Manager



*Western Star is the unmatched leader
for Durability and Dependability*

Accepted By:

Date _____

Prepared for:
Jason Holbrook
CITY OF MONROE
233 South Main St
Monroe, OH 45050
Phone: 513-539-7374

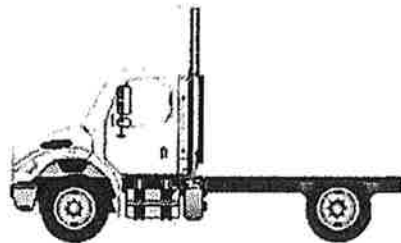
Prepared by:
Dave Hibner
Stoops Freightliner - Lima
598 E. Hanthorn Rd.
Lima, OH 45804
Phone: 419-228-4334

A proposal for
CITY OF MONROE
ODOT 023-21 Contract /CO-OP Purchasing Pricing

Prepared by
Stoops Freightliner - Lima
Dan Neeley & Dave Hibner
419-230-9684

April 14, 2021

Freightliner M2 106
2023 Model



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



Prepared for:
Jason Holbrook
CITY OF MONROE
233 South Main St
Monroe, OH 45050
Phone: 513-539-7374

Prepared by:
Dave Hibner
Stoops Freightliner - Lima
598 E. Hanthorn Rd.
Lima, OH 45804
Phone: 419-228-4334

QUOTATION

SET BACK AXLE - TRUCK
CUM B6.7 325 HP @ 2400 RPM, 2600 GOV, 750 LB/FT @
1800 RPM
ALLISON 3500 RDS AUTOMATIC TRANSMISSION WITH
PTO PROVISION
DETROIT DA-RS-19.0-4 19,000# R-SERIES SINGLE REAR
AXLE
21,000# 52 INCH VARIABLE RATE MULTI-LEAF SPRING
REAR SUSPENSION WITH LEAF SPRING
HELPER

DETROIT DA-F-10.0-3 10,000# FF1 71.5 KPI/3.74 DROP
SINGLE FRONT AXLE
12,000# DUAL TAPERLEAF FRONT SUSPENSION
106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL
CAB
3800MM (150 INCH) WHEELBASE
5/16X2-1/2 3X10-1/8 INCH STEEL FRAME
(7.94MMX257.2MM/0.312X10.13 INCH) 50KSI
1600MM (63 INCH) REAR FRAME OVERHANG
BODY COMPANY INSTALLED ADDITIONAL FRONT
FRAME REINFORCEMENT FOR SNOW PLOW

		PER UNIT	TOTAL
VEHICLE PRICE	TOTAL # OF UNITS (1)	\$ 77,332	\$ 77,332
EXTENDED WARRANTY		\$ 200	\$ 200
DEALER INSTALLED OPTIONS		\$ 0	\$ 0
CUSTOMER PRICE BEFORE TAX		\$ 77,532	\$ 77,532

TAXES AND FEES

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

TRADE-IN

TRADE-IN ALLOWANCE	\$ (0)	\$ (0)
--------------------	--------	--------

BALANCE DUE	(LOCAL CURRENCY) \$	77,532	\$ 77,532
	2023 Model, Federal GHG emission mandate	510	510
	Total State Bid Price	\$ 78,042	\$ 78,042

COMMENTS: orders must be received by July 30th, 2021

APPROVAL: This truck will be built after the end of the year.

Please indicate your acceptance of this quotation by signing below:

Customer: X _____ Date: ____ / ____ / ____

Daimler Truck Financial

Financing that works for you.

See your local dealer for a competitive quote from Daimler Truck Financial, or contact us at Information@dtfoffers.com.

Daimler Truck Financial offers a variety of finance, lease and insurance solutions to fit your business needs. For more information about our products and services, visit our website at www.daimler-truckfinancial.com.



Prepared for:
Jason Holbrook
CITY OF MONROE
233 South Main St
Monroe, OH 45050
Phone: 513-539-7374

Prepared by:
Dave Hibner
Stoops Freightliner - Lima
598 E. Hanthorn Rd.
Lima, OH 45804
Phone: 419-228-4334

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Prepared for:
 Jason Holbrook
 CITY OF MONROE
 233 South Main St
 Monroe, OH 45050
 Phone: 513-539-7374

Prepared by:
 Dave Hibner
 Stoops Freightliner - Lima
 598 E. Hanthorn Rd.
 Lima, OH 45804
 Phone: 419-228-4334

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

	Description	Weight Front	Weight Rear
Price Level			
	M2 PRL-20M (EFF:04/30/19)		
Data Version			
	SPECPRO21 DATA RELEASE VER 024		
Interior Convenience/Driver Retention Package			
	INTERIOR CONVENIENCE PACKAGE WITH CB PROVISION		
Vehicle Configuration			
	M2 106 CONVENTIONAL CHASSIS	5,709	3,503
	2023 MODEL YEAR SPECIFIED		
	SET BACK AXLE - TRUCK		
	STRAIGHT TRUCK PROVISION		
	LH PRIMARY STEERING LOCATION		
General Service			
	TRUCK CONFIGURATION		
	DOMICILED, USA (EXCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
	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		
	MEDIUM TRUCK WARRANTY		
	EXPECTED FRONT AXLE(S) LOAD : 8000.0 lbs		
	EXPECTED REAR DRIVE AXLE(S) LOAD : 18000.0 lbs		
	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 26000.0 lbs		



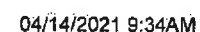
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 598 E. Hanthorn Rd.
 Lima, OH 45804
 Phone: 419-228-4334

Description	Weight Front	Weight Rear
Truck Service		
FRONT PLOW/END DUMP BODY		
EXPECTED TRUCK BODY LENGTH : 0.0 ft		
HENDERSON		
EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES : 32.0 in		
Engine		
CUM B6.7 325 HP @ 2400 RPM, 2600 GOV, 750 LB/FT @ 1800 RPM		
Electronic Parameters		
75 MPH ROAD SPEED LIMIT		
CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT		
PTO MODE ENGINE RPM LIMIT - 1100 RPM		
PTO MODE BRAKE OVERRIDE - SERVICE BRAKE APPLIED		
PTO RPM WITH CRUISE SET SWITCH - 700 RPM		
PTO RPM WITH CRUISE RESUME SWITCH - 800 RPM		
PTO MODE CANCEL VEHICLE SPEED - 0 MPH		
PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND		
FUEL DOSING OF AFTERTREATMENT ENABLED IN PTO MODE-CLEANS HYDROCARBONS AT HIGH TEMPERATURES ONLY		
PTO MINIMUM RPM - 700		
REGEN INHIBIT SPEED THRESHOLD - 5 MPH		
Engine Equipment		
2016-2019 ONBOARD DIAGNOSTICS/2010 EPA/CARB/FINAL GHG17 CONFIGURATION		
NO 2008 CARB EMISSION CERTIFICATION		
STANDARD OIL PAN		
ENGINE MOUNTED OIL CHECK AND FILL		
ONE PIECE VALVE COVER		
SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER AND UNDER HOOD BLEND AIR DOOR		
DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE		

Prepared by:
Dave Hibner
Stoops Freightliner - Lima
598 E. Hanthorn Rd.
Lima, OH 45804
Phone: 419-228-4334

Application Version 11.2.313
Data Version PRL-20M.024
City of Monroe 26000 GVWR



Prepared for:
 Jason Holbrook
 CITY OF MONROE
 233 South Main St
 Monroe, OH 45050
 Phone: 513-539-7374

Prepared by:
 Dave Hibner
 Stoops Freightliner - Lima
 598 E. Hanthorn Rd.
 Lima, OH 45804
 Phone: 419-228-4334

Description	Weight Front	Weight Rear
STAINLESS STEEL AFTERTREATMENT DEVICE/MUFFLER/TAILOPIPE SHIELD		
AIR POWERED ON/OFF ENGINE FAN CLUTCH		
AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED		
CUMMINS SPIN ON FUEL FILTER		
FULL FLOW OIL FILTER		
700 SQUARE INCH ALUMINUM 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		
RADIATOR DRAIN VALVE		
NO RADIATOR/OIL PAN GUARD	-5	
PHILLIPS-TEMRO 750 WATT/115 VOLT BLOCK HEATER	4	
BLACK PLASTIC ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR		
ALUMINUM FLYWHEEL HOUSING		
ELECTRIC GRID AIR INTAKE WARMER		
DELCO 12V 29MT STARTER WITH INTEGRATED MAGNETIC SWITCH		
Transmission		
ALLISON 3500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	200	60
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 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		

Prepared for:
 Jason Holbrook
 CITY OF MONROE
 233 South Main St
 Monroe, OH 45050
 Phone: 513-539-7374

Prepared by:
 Dave Hibner
 Stoops Freightliner - Lima
 598 E. Hanthorn Rd.
 Lima, OH 45804
 Phone: 419-228-4334

Description	Weight Front	Weight Rear
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		
ENGINE BRAKE RANGE PRESELECT RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
ENGINE BRAKE RANGE ALTERNATE PRESELECT RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
FUEL SENSE 2.0 DISABLED - PERFORMANCE - TABLE BASED		
DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES		
MAXIMUM ENGINE SPEED FOR PTO ENGAGEMENT 900 RPM		
MAXIMUM ENGINE SPEED FOR PTO OPERATION 2600 RPM		
MAXIMUM OUTPUT SPEED FOR PTO ENGAGEMENT 3500 RPM		
MAXIMUM OUTPUT SPEED FOR PTO OPERATION 3500 RPM - ALLISON 5TH GEN TRANSMISSIONS		
VEHICLE INTERFACE WIRING CONNECTOR WITHOUT BLUNT CUTS, AT END OF FRAME		
ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR FIREWALL MOUNTED		
CUSTOMER INSTALLED CHELSEA 277 SERIES PT O		
PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION		
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, IN RADIATOR END TANK		

Prepared for:
Jason Holbrook
CITY OF MONROE
233 South Main St
Monroe, OH 45050
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Prepared by:
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Description	Weight Front	Weight Rear
TRANSMISSION OIL CHECK AND FILL WITH CROSSOVER TO CLEAR LH PTO AND DIRECT MOUNT PUMP		
SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)		
Front Axle and Equipment		
DETROIT DA-F-10.0-3 10,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE		
MERITOR 15X4 Q+ CAM FRONT BRAKES		
NON-ASBESTOS FRONT BRAKE LINING		
CONMET CAST IRON FRONT BRAKE DRUMS		
FRONT BRAKE DUST SHIELDS	5	
FRONT OIL SEALS		
VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL		
STANDARD SPINDLE NUTS FOR ALL AXLES		
MERITOR AUTOMATIC FRONT SLACK ADJUSTERS		
TRW THP-60 POWER STEERING		
POWER STEERING PUMP		
2 QUART SEE THROUGH POWER STEERING RESERVOIR		
MINERAL SAE 80/90 FRONT AXLE LUBE		
Front Suspension		
12,000# DUAL TAPERLEAF FRONT SUSPENSION	42	
MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION		
FRONT SHOCK ABSORBERS		
Rear Axle and Equipment		
DETROIT DA-RS-19.0-4 19,000# R-SERIES SINGLE REAR AXLE		-20
5.56 REAR AXLE RATIO		
IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		
MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES	-20	-20
DRIVER CONTROLLED TRACTION DIFFERENTIAL - SINGLE REAR AXLE		
(1) DRIVER CONTROLLED DIFFERENTIAL LOCK REAR VALVE FOR SINGLE DRIVE AXLE		

Prepared for:
Jason Holbrook
CITY OF MONROE
233 South Main St
Monroe, OH 45050
Phone: 513-539-7374

Prepared by:
Dave Hibner
Stoops Freightliner - Lima
598 E. Hanthorn Rd.
Lima, OH 45804
Phone: 419-228-4334

Description	Weight Front	Weight Rear
BLINKING LAMP WITH EACH MODE SWITCH, DIFFERENTIAL UNLOCK WITH IGNITION OFF, ACTIVE <5 MPH		
MERITOR 16.5X7 Q+ CAST SPIDER HEAVY DUTY CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
NON-ASBESTOS REAR BRAKE LINING		
BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S)		
CONMET CAST IRON REAR BRAKE DRUMS		
REAR BRAKE DUST SHIELDS		5
REAR OIL SEALS		
WABCO TRISTOP D LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS		
MERITOR AUTOMATIC REAR SLACK ADJUSTERS		
MINERAL SAE 80/90 REAR AXLE LUBE		
Rear Suspension		
21,000# 52 INCH VARIABLE RATE MULTI-LEAF SPRING REAR SUSPENSION WITH LEAF SPRING HELPER		100
SPRING SUSPENSION - NO AXLE SPACERS		
STANDARD AXLE SEATS IN AXLE CLAMP GROUP		
Brake System		
AIR BRAKE PACKAGE		
WABCO 4S/4M ABS		
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		
RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE		
WABCO SYSTEM SAVER HP WITH INTEGRAL AIR GOVERNOR AND HEATER		
AIR DRYER MOUNTED INBOARD ON LH RAIL		
STEEL AIR BRAKE RESERVOIRS MOUNTED INSIDE RAIL; CUSTOMER ACCEPTS TANKS MOUNTED IN REAR OVERHANG/REAR SUSPENSION		

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Description	Weight Front	Weight Rear
CLEAR FRAME RAILS FROM BACK OF CAB TO FRONT REAR SUSPENSION BRACKET BOTH RAILS OUTBOARD		
PULL CABLES ON ALL AIR RESERVOIR(S)		
Trailer Connections		
PRIMARY CONNECTOR/RECEPTACLE WIRED FOR COMBINATION STOP/TURN, CENTER PIN POWERED THROUGH IGNITION WITH STOP SIGNAL PREWIRE PACKAGE		
SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME	5	5
UPGRADED CHASSIS MULTIPLEXING UNIT		
UPGRADED BULKHEAD MULTIPLEXING UNIT		
Wheelbase & Frame		
3800MM (150 INCH) WHEELBASE		
5/16X2-1/2 3X10-1/8 INCH STEEL FRAME (7.94MMX257.2MM/0.312X10.13 INCH) 50KSI	-230	60
BODY COMPANY INSTALLED ADDITIONAL FRONT FRAME REINFORCEMENT FOR SNOW PLOW		
1600MM (63 INCH) REAR FRAME OVERHANG		
FRAME OVERHANG RANGE: 61 INCH TO 70 INCH		
CALC'D BACK OF CAB TO REAR SUSP C/L (CA) :		
84.06 in		
CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 81.06 in		
CALC'D FRAME LENGTH - OVERALL : 251.57		
CALCULATED FRAME SPACE LH SIDE : 22.39 in		
CALCULATED FRAME SPACE RH SIDE : 160.76 in		
CALC'D SPACE AVAILABLE FOR DECKPLATE :		
84.45 in		
SQUARE END OF FRAME		
FRONT CLOSING CROSSMEMBER		
LIGHTWEIGHT HEAVY DUTY ALUMINUM ENGINE CROSSMEMBER	-12	
STANDARD CROSSMEMBER BACK OF TRANSMISSION		
STANDARD MIDSHIP #1 CROSSMEMBER(S)		
STANDARD REARMOST CROSSMEMBER		
STANDARD SUSPENSION CROSSMEMBER		

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Description	Weight Front	Weight Rear
Chassis Equipment		
THREE-PIECE 14 INCH CHROME STEEL BUMPER WITH COLLAPSIBLE ENDS, SPACED 3 INCHES FORWARD	30	
BUMPER MOUNTING FOR SINGLE LICENSE PLATE		
FENDER AND FRONT OF HOOD MOUNTED FRONT MUDFLAPS		
HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS		
Fuel Tanks		
50 GALLON/189 LITER SHORT RECTANGULAR ALUMINUM FUEL TANK - LH	20	
RECTANGULAR FUEL TANK(S)		
POLISHING OF FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS		
FUEL TANK(S) FORWARD		
POLISHED STAINLESS STEEL STEP FINISH		
FUEL TANK CAP(S)		
DETROIT FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR, HAND PRIMER AND 12 VOLT PREHEATER	-5	
EQUIFLO INBOARD FUEL SYSTEM		
HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		
Tires		
BRIDGESTONE R284 ECOPIA 295/75R22.5 16 PLY RADIAL FRONT TIRES	2	
CONTINENTAL HDL2 295/75R22.5 14 PLY RADIAL REAR TIRES		36
Hubs		
CONMET PRESET PLUS PREMIUM IRON FRONT HUBS		
CONMET PRESET PLUS PREMIUM IRON REAR HUBS		
Wheels		
ACCURIDE 42644 ACCU-LITE 22.5X8.25 10-HUB PILOT 5.79 INSET ALUMINUM DISC FRONT WHEELS	-60	
ACCURIDE 42644 ACCU-LITE 22.5X8.25 10-HUB PILOT ALUMINUM DISC REAR WHEELS		-120
FRONT WHEEL MOUNTING NUTS		

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Description	Weight Front	Weight Rear
REAR WHEEL MOUNTING NUTS		
NYLON WHEEL GUARDS FRONT AND REAR ALL INTERFACES		
Cab Exterior		
106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB		
AIR CAB MOUNTING		
2-1/2 INCH FENDER EXTENSIONS	10	
LH AND RH GRAB HANDLES		
STATIONARY PAINTED FULL GRILLE FOR CHASSIS WITHOUT INTEGRAL FRONT FRAME EXTENSIONS	10	
CHROME HOOD MOUNTED AIR INTAKE GRILLE		
FIBERGLASS HOOD		
SINGLE 14 INCH ROUND HADLEY AIR HORN UNDER LH DECK	4	
SINGLE ELECTRIC HORN		
SINGLE HORN SHIELD		
DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME WITH (4) KEYS		
KEY QUANTITY OF 2		
REAR LICENSE PLATE MOUNT END OF FRAME		
INTEGRAL HEADLIGHT/MARKER ASSEMBLY		
LED AERODYNAMIC MARKER LIGHTS		
HEADLIGHTS ON WITH WIPERS, WITH LOW BEAM DAYTIME RUNNING LIGHTS		
INTEGRAL LED 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		
STANDARD SIDE/REAR REFLECTORS		
63X14 INCH TINTED REAR WINDOW		
TINTED DOOR GLASS LH AND RH WITH TINTED NON-OPERATING WING WINDOWS		
RH AND LH ELECTRIC POWERED WINDOWS, PASSENGER SWITCHES ON DOOR(S)	4	

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Description	Weight Front	Weight Rear
1-PIECE BONDED HEATED WIPER PARK SOLAR GREEN GLASS WINDSHIELD		
2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, FRAME MOUNTED		
Cab Interior		
OPAL GRAY VINYL INTERIOR		
MOLDED PLASTIC DOOR PANEL WITHOUT VINYL INSERT WITH ALUMINUM KICKPLATE LOWER DOOR		
MOLDED PLASTIC DOOR PANEL WITHOUT VINYL INSERT WITH ALUMINUM KICKPLATE LOWER DOOR		
BLACK MATS WITH SINGLE INSULATION		
DASH MOUNTED ASH TRAY(S) WITHOUT LIGHTER		
FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS WITHOUT NETTING		
(2) CUP HOLDERS LH AND RH DASH		
GRAY/CHARCOAL WING DASH		
SMART SWITCH EXPANSION MODULE		
2-1/2 LB. FIRE EXTINGUISHER	5	
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		
DOVE DOOR ACTIVATED LH AND RH, DUAL READING LIGHTS, FORWARD CAB ROOF		
LH AND RH ELECTRIC DOOR LOCKS		
(1) 12V POWER SUPPLY (1) DUAL 2.1 AMP USB CHARGER IN DASH		
TRIANGULAR REFLECTORS WITHOUT FLARES	10	

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Description	Weight Front	Weight Rear
PREMIUM HIGH BACK AIR SUSPENSION DRIVER SEAT WITH 3 CHAMBER AIR LUMBAR, INTEGRATED CUSHION EXTENSION, FORWARD AND REAR CUSHION TILT, ADJUSTABLE SHOCK ABSORBER	70	
BASIC HIGH BACK NON SUSPENSION PASSENGER SEAT		
DUAL DRIVER SEAT ARMRESTS, NO PASSENGER SEAT ARMRESTS	4	
LH AND RH INTEGRAL DOOR PANEL ARMRESTS		
BLACK MORDURA CLOTH DRIVER SEAT COVER		
BLACK MORDURA CLOTH PASSENGER SEAT COVER		
BLACK SEAT BELTS		
ADJUSTABLE TILT AND TELESOPING STEERING COLUMN	10	
4-SPOKE 18 INCH (450MM) STEERING WHEEL		
DRIVER AND PASSENGER INTERIOR SUN VISORS		

Instruments & Controls

GRAY DRIVER INSTRUMENT PANEL
 GRAY CENTER INSTRUMENT PANEL
 BLACK GAUGE BEZELS
 LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM
 2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES
 INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS
 97 DB BACKUP ALARM
 ELECTRONIC CRUISE CONTROL WITH SWITCHES ON AUXILIARY GAUGE PANEL (B DASH PANEL)
 KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY
 ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED
 HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH
 2 INCH ELECTRIC FUEL GAUGE
 PROGRAMMABLE RPM CONTROL - ELECTRONIC ENGINE

3



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Description	Weight Front	Weight Rear
ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE		
2 INCH TRANSMISSION OIL TEMPERATURE GAUGE		
ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY		
CUSTOMER FURNISHED AND INSTALLED PTO CONTROLS		
ELECTRIC ENGINE OIL PRESSURE GAUGE		
OVERHEAD INSTRUMENT PANEL		
AM/FM/WB WORLD TUNER RADIO WITH BLUETOOTH AND USB AND AUXILIARY INPUTS, J1939	10	
DASH MOUNTED RADIO		
(2) RADIO SPEAKERS IN CAB		
AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF		
POWER AND GROUND WIRING PROVISION OVERHEAD		
CB WIRING ONLY TO ROOF/OVERHEAD CONSOLE; NO MOUNTING PROVISION		
ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER		
STANDARD VEHICLE SPEED SENSOR WITH ADDITIONAL SIGNAL FOR CUSTOMER USE LOCATED BETWEEN DRIVER AND PASSENGER SEATS		
ELECTRONIC 3000 RPM TACHOMETER		
IDLE LIMITER, ELECTRONIC ENGINE		
PRE-TRIP LAMP INSPECTION, ALL OUTPUTS FLASH, WITH SMART SWITCH		
DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY		
SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY PROGRAMMED TO SLOWEST SPEED WITH PARK BRAKE SET		
MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH AND DUAL CONNECTORS AND SWITCH FOR CUSTOMER FURNISHED SNOW PLOW LIGHTS, LOW BEAMS OFF WITH HIGH BEAMS		
ONE VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR		



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	Description	Weight Front	Weight Rear
	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE		
	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS		
Design			
	PAINT: ONE SOLID COLOR		
Color			
	CAB COLOR A: L0006EY WHITE ELITE EY		
	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT		
	STANDARD E COAT/UNDERCOATING		
Certification / Compliance			
	U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS		
Secondary Factory Options			
	CORPORATE PDI CENTER IN-SERVICE ONLY		
Raw Performance Data			
	CALC'D FRAME LENGTH - OVERALL : 251.57		
	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 81.06 in		
	CALC'D SPACE AVAILABLE FOR DECKPLATE : 84.45 in		
Sales Programs			
	NO SALES PROGRAMS HAVE BEEN SELECTED		

TOTAL VEHICLE SUMMARY

Weight Summary			
	Weight Front	Weight Rear	Total Weight
Factory Weight*	5917 lbs	3652 lbs	9569 lbs
Total Weight*	5917 lbs	3652 lbs	9569 lbs

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Extended Warranty

TOWING: 1 YEAR/UNLIMITED MILES/KM EXTENDED TOWING
COVERAGE \$550 CAP FEX APPLIES

(+) Weights shown are estimates only.

If weight is critical, contact Customer Application Engineering.

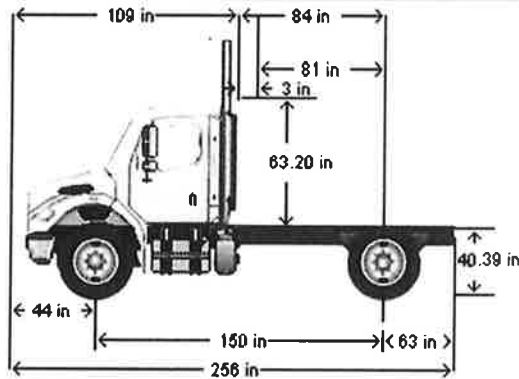
(***) All cost increases for major components (Engines, Transmissions, Axles, Front and Rear Tires) and government mandated requirements, tariffs, and raw material surcharges will be passed through and added to factory invoices.



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DIMENSIONS



VEHICLE SPECIFICATIONS SUMMARY - DIMENSIONS

Model.....	M2106
Wheelbase (545)	3800MM (150 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).....	106 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)	109.3
Bumper to Centerline of Front Axle (BA)	43.7
Min. Cab to Body Clearance (CB)	3.0
Back of Cab to Centerline of Rear Axle(s) (CA)	84.1
Effective Back of Cab to Centerline of Rear Axle(s) (Effective CA)	81.1
Back of Cab Protrusions (Exhaust/Intake) (CP)	0.0
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	147.0
Cab Height (CH)	63.2
Wheelbase (WB)	149.6
Frame Overhang (OH)	63.0
Overall Length (OAL)	256.3
Rear Axle Spacing	0.0
Unladen Frame Height at Centerline of Rear Axle	40.4

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



HENDERSON

PRODUCTS, INC.

2177 STATE ROUTE 19
BUCYRUS, OH 44820
PHONE: 419-617-7509
FAX: 563-927-7106

CUSTOMER QUOTE

Page 1
Quote #148165
Rev #27

To: CITY OF MONROE, OH
Attn: JASON HOLBROOK
Quote Date: 5/17/2021
Valid Until: 6/16/2021

Quoted By: Jim Heiberger
Phone: 419-617-7509
Cell: 5639291140
Fax:
Email: jheiberger@hendersonproducts.com

Quoted:
2021 SNOW AND ICE PACKAGE

Henderson Products is pleased to present the following quote. Please contact us if you have any questions.

Mid-size reversible snow plow

Plow Length / Height: 10' length / 34" height
Moldboard Sheet Material: 10GA 304SS steel
Moldboard Shield: Integral shield
12" Rubber Deflector: Yes
Backer Bar: Stainless Backer
Install Rubber Deflector: Yes
36" Plastic Side Markers, Pair: Yes
Option 1 Description: ADJUSTABLE TRIP EDGE
Option 2 Description: OCILLATING LOOP PLOW SIDE, PIN & LOOP TRUCK SIDE HITCH
Option 3 Description: PARKING JACK INSTALLED, BUMPER TO FRAME KIT

MARKE SA Dump Body

BODY LENGTH: 10ft BODY LENGTH
SIDE STYLE: STRAIGHT SIDES
SIDE HEIGHT (FROM FLOOR): 24" SIDE HEIGHT
REAR BODY PROFILE: STANDARD STRAIGHT VERTICAL GATE
REAR CORNER POSTS: REAR BOLSTERS 8" ABOVE SIDES
BOARD POCKETS: 2" WIDE BOARD POCKETS
HOIST TYPE: TRN MOUNT TELE HOIST W/ SUBFRM, INTERNAL DOGHOUSE
HOIST CYLINDER/MODEL: MAILHOT CS-SERIES, DOUBLE ACTING, CS90-4.5-3DA
HYDRAULIC PUMP: NO FACTORY SUPPLIED HYDRAULIC PUMP
CYLINDER CRADLE STYLE: STANDARD HOIST CRADLE
INSTALL SUBFRAME AND/OR CYLINDER: SHIP LOOSE - DEALER TO INSTALL
EXTRA BODY PROP: NO EXTRA BODY PROP
HYDRAULIC RESERVOIR: NO RESERVOIR - DEALER TO SUPPLY
FLOOR MATERIAL: 3/16" AR400 FLOOR
FLOOR TO SIDE RADIUS: 5" RADIUS FLOOR TO SIDE
LONGSILL MATERIAL: 5" I-BEAM LONGSILLS (STANDARD SKIP WELD)
SIDES/HEADSHEET MATERIAL: 10GA 201SS SIDES/HEAD
SIDE BRACING TYPE: SINGLE WELD-ON INTERMEDIATE SIDE BRACE
SIDE BRACE MATERIAL: 10GA 201SS SIDE BRACING
TOP RAIL STYLE: FLAT (2" FLAT, THEN SLOPED)
CONTOURED FRONT CORNER POSTS: NO FRONT CORNER POSTS





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CUSTOMER QUOTE

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REAR CORNER POST MATERIAL: 7GA 201SS REAR CORNER POSTS
TAILGATE STYLE: **STANDARD TAILGATE**
TAILGATE SHEET MATERIAL: 10GA 201SS TAILGATE SHEET
TAILGATE BRACING: **SINGLE HORIZONTAL TAILGATE BRACE**
TAILGATE BRACE MATERIAL: 10GA 201SS TAILGATE BRACING
TAILGATE TOP PIVOT HARDWARE: 1-1/4" PINS, 1" PLATES, GREASABLE
TAILGATE LATCH TYPE: **DBL ACTING AIR CYL TG RELEASE, SS BUSHINGS**
TAILGATE RELEASE VALVE: **TAILGATE RELEASE VALVE SUPPLIED WITH INSTALLATION**
TAILGATE PIN LANYARDS: **NO TAILGATE PIVOT PIN LANYARDS**
TAILGATE LIFT LOOP: **TAILGATE LIFT LOOP, CENTER OUTSIDE (SS)**
LATCH JAWS: **LOWER TG LATCH JAWS, GREASABLE**
COAL CHUTE: **COAL CHUTE**
COAL CHUTE TYPE: **WIDE 18" COAL CHUTE (201SS)**
COAL CHUTE QUANTITY: **SINGLE COAL CHUTE**
COAL CHUTE INSTALLED: **COAL CHUTE INSTALLED**
COAL CHUTE LOCATION: **CENTER**
REAR FACE LIGHT HOLES: **(2) OBOURND LIGHT HOLES, EA BOLSTER REAR FACE**
REAR SIDE MARKER LIGHT HOLE: **STD 2.5" SIDE MARKER LIGHT HOLES**
EXTERIOR LIGHT BOXES INSTALLED: **NO EXTERIOR LIGHT BOXES**
LIGHTING PACKAGE: **NO OEM LIGHTING PACKAGE**
BODY HINGE CONSTRUCTION: **STD SUBFRAME INTEGRAL HINGE**
BODY HINGE TYPE: **GREASABLE HINGE BLOCKS**
BODY HINGE PAINT: **YES, REAR HINGE PAINTED @ FACTORY**
PAINT PREPARATION: **SS WASH-NATURAL FINISH, PRIME MILD PARTS (201/304SS BODY)**
CABSHIELD STYLE: **STANDARD WELD ON CABSHIELD**
CABSHIELD MATERIAL: **10GA W/ 7GA END PLATES (201SS)**
CABSHIELD SIZE: **22" X 86" CABSHIELD (1/2 CAB)**
CABSHIELD MOUNTED LIGHT HOLES: **FOUR OVALS, (1) FACING EACH SIDE, (2) FACING FORWARD**
INSTALL CABSHIELD: **CABSHIELD SHIPPED LOOSE, DEALER TO INSTALL**
ASPHALT LIP: **NO ASPHALT LIP**
WALK RAILS: **NO WALKRAILS ON LOWER RUBRAILS**
TARP RAILS: **NO TARP RAILS**
SIDE LADDERS: **(YES) SIDE LADDER - Pick From List Below**
SIDE LADDER MATERIAL: **STAINLESS STEEL LADDER CONSTRUCTION - Pick From List Below**
DRIVER'S SIDE FRONT LADDER: **3 STEP PULL OUT LADDER (201SS)**
INSTALL DRIVER SIDE FRONT LADDER: **NO, SHIP DRIVERS SIDE FRONT LADDER LOOSE**
DRIVER'S SIDE REAR LADDER: **NO DRIVERS SIDE REAR LADDER**
CURBSIDE FRONT LADDER: **NO CURBSIDE FRONT LADDER**
CURBSIDE REAR LADDER: **NO CURB SIDE REAR LADDER**
STEP(S): **NO STEP(S)**
GRAB HANDLES: **NO GRAB HANDLES**
Show Options: **No Additional Options**
Option 1 Description: **6 LIGHT HOLES IN CS - 2 FWD, 2 REAR, 1 FACE EACH SIDE**
Option 2 Description: **LIGHT HOLES AS HIGH AS POSSIBLE**

TGS salt / sand spreader





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CUSTOMER QUOTE

Page 3
Quote #148165
Rev #27

TROUGH MATERIAL: 201SS
AUGER SIZE AND TYPE: 6" dia. auger, direct drive
MOUNTING BRACKETS: Std brackets for 96" wide bodies

Installation Workup

Facility: IDC-OH
Chassis Delivery To Henderson: Truck Dealer/Customer Delivers
Completed Truck Delivery Method: Henderson Delivers (101-160 miles)
Chassis Make: Freightliner
Chassis Model Yr: 2022
Chassis Model: M2-106
Vin Number: NOT YET ASSIGNED
Useable CA/CT: 84
Front Axle Rating: 10,000LB
Rear Axle Rating: 19,000LB
Pump Location: Transmission Mount Pump
Transmission Type: Automatic
Transmission Model: Allison Transmission
Set Back Axle: Yes

Hitch Type: Low Profile or Manual Tilt Type Hitch
Mount Type: Bumper to frame kit from factory, sales to order w/unit
Front Bumper: OEM Bumper Cut and Split
Hitch Options 1: HITCH MOUNTING BRACKETS 144020 X2
Hitch Options 2: MSP PIN AND LOOP MANUAL TILT HTICH CONVERSION

Front Plow Type: Standard Henderson Plow
Plow Markers (Front Plow): IDC Install of fact supplied markers, sales to order w/ unit
Rubber Deflector Install: Supplied/Installed @ Factory, sales to order w/ unit.
Plow Jack Install: Supl'd/Instl'd on plow @ Factory, Sales order with unit

Dump Body Type: Mark E Single Axle
Floor Length: (10') Floor length
Hoist Type: Tele Trun Hoist with Subframe, Internal Doghouse
Cylinder Type: Double Acting
Body Material (Sides/ends): Stainless Steel Type Body Material
Tailgate Release Type: IDC Supplied manual air over air valve
Pressure Protection Valve: Direct to air tank valve (All chassis except Int & Mack)
Cabshield Install: Supl'd by fact, welded to body @ IDC, sales to order w/ unit
Step(s): Supplied and install @ IDC (select from step options below)
Step QTY: 1
Step 1 Type: SS Serrated 18" Step (Rub Rail/Side Brace)
Step 1 Location: Driver Side Front, outside
Grab Handle(s): (2) IDC supplied/installed grab handles (select type below)
Grab Handle 1 Type: SS 17" grab handle





HENDERSON

PRODUCTS, INC.

2177 STATE ROUTE 19
BUCYRUS, OH 44820
PHONE: 419-617-7509
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Grab Handle 2 Type: **SS 17" grab handle**
Ladder(s): **Supplied by factory, Install @ IDC (sales to order w/ unit)**
Ladder Install QTY (Dump): **(1) LADDER INSTALLED @ IDC (LABOR ONLY)**
Ladder Install Style (Dump) 1: **3 Step Pull Out**
Ladder Install Loc 1 (Dump): **Driver Side Front**
Shovel Holder: **(1) IDC Supl'd Spring Loaded SS Shovel Holder w/ SS brckt**
Shovel Holder Loc (1): **Driver side body**
Sideboards: **Wood (Painted Black), supplied/installed by IDC**
Sideboard Spec: **2in. X 12in. SIDEBARDS 164059 X2**

Sideboard Notes:

Body Spec Notes:

Spreader Type: **TGS**
TGS Drive Type: **Hydraulic Drive**
TGS Spinner Configuration: **Single Spinner Install**
TGS Body Type: **Standard straight gate body install**
TGS mounting type: **STD TGS brackets (supplied with unit)**
HYD QD Mount Brackets: **Stainless Steel QD Mount in front of dump body bolster**

Prewet/Liquid System: **Frame Mount Prewet System**
Configuration: **IDC Supplied (sales to quote from vendor)**
Vendor Supplied Kit: **CERTIFIED POWER PUMP BOX MOUNTED VERTICALLY**
Install Location: **Side of Frame Mount**
Drive Configuration: **Hydraulic Drive, Vendor Supplied (sales to quote w/ hyd)**
Controls: **Supplied by IDC (sales to order w/ hyd cntrls)**
Flush Kit: **Supplied by factory, Installed @ IDC (sales to order w/unit)**
Liquid Options 1: **75GAL FRAME MOUNTED TANK**

Liquid Details:

MOUNTED ON CURBSIDE

Chassis Accessories: **Yes (SELECT RELATED OPTIONS BELOW)**
Mudflaps (Rear): **Swinging w/Logo**
Mudflap Type (Rear): **36" Swinging, SS (with LOGO)**
Fenders: **Poly fenders, Full Pair, single axle, SS mount**
Pintle Plate: **Yes (select from options below)**
Pintle Plate Configuration: **3/4" Plate, Blank, SA w/SubFrm (w/3LTC)**
Pintle Plate D-Rings: **Qty (2) 1" D-rings, 50 deg bend**
Pintle Hook: **20 Ton**
Trailer Plug (2): **7 Pin Trailer Plug, Truck end 7-Way RV,new style (municipal)**
Truck Wash: **Complete Truck Wash/Clean/Vac 1**
Warranty: **Standard 1 Year Warranty**
Inspection: **Walk-around meeting only**
Reflective Tape: **Reflective Tape, Henderson Logo (60' Linear)**
Install Touch-up: **Basic Installation Touch-Up**





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Chassis Install Options 1: RECIEVER TUBE INSTALLED BELOW PINTLE HOOK 160122

Electrical: **Yes (SELECT RELATED OPTIONS BELOW)**

Power Distribution Panel: **Power Distribution Panel**

Misc Electrical Supplies: **Req'd Misc Elect Supplies**

Plow Lights: **Plow Lts, ABL, Heated**

Plow Light Brackets: **Plow Lt Brckts, SS, Freightliner M2 Pair**

Worklight(s) QTY: **(QTY 2) Work Lights (Select type below)**

Worklight (1) Type: **LED, Worklight, 4in Round (Optilux)**

Worklight (1) Gen Location: **On rear of body**

Worklight (2) Type: **LED, Worklight, 4in Round (Optilux)**

Worklight (2) Gen Location: **On rear of body**

Cabshield Warning Light Qty: **Qty 6 Lights (Order Holes with Unit)**

Cabshield Warning Lights: **QTY 6, 6" LED Oval Strokes, Amber (order holes w/unit)**

Cabshield Lighting Harness: **Cabshield Warning Lights Only (qty 2-6)**

Rear Dump Bolster (S/T/T): **LED S/T/T/BU, MK3, Grote harness light kit**

OEM Light Remount: **Remount OEM Chassis Lights**

Rear Dump Bolster Strokes: **6" LED Oval Strokes, Amber, 1 PR, (order holes w/unit)**

Back up alarm: **Backup Alarm, 97db**

Body up switch/light: **Supplied with Hydraulics, IDC install**

Brake controller: **Brake Controller, Voyager Brake Controller**

Backbone & Wire Standoffs: **10' Backbone (For SA)**

Electrical Install Opt 1: **TR3 AMBER STROBES MOUNTED BELOW PLOW LIGHTS**

Electrical Install Opt 2: **STROBES TO BE ON A SEPERATE ON/OFF SWITCH**

Electrical Install Opt 3: **P/N 160463 X 2**

Electrical Spec Notes:

Hydraulics: **Full Hydraulic Package**

Hyd Supplier: **Certified (Select Pkg Below)**

Hyd Supplier (Spec): **CERTIFIED POWER QUOTE #18338465**

Controls Type: **Electric Controls**

PTO Type: **Included in Hydraulics Package**

Reservoir Type: **Supplied With Hydraulics**

Valve Enclosure Type: **Supplied With Hydraulics**

Low Oil Indicator: **Yes, included in Hyd Pkg**

Return Filter: **Provided with Hydraulics**

SS Tubing Upgrade: **SA, F&R lines, 6' Frnt, 9' Rr**

Quick Coupler Upgrade: **Standard Quick Couplers**

Hydraulics Notes:





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- *SS QUICK COUPLERS IN HYDRAULICS KIT
- *SS VALVE ENCLOSURE/OIL RESERVOIR COMBO
- *COMBO TANK MOUNTED ROADSIDE
- *FREEDOM 2 ELECTRIC SPREADER CONTROLLER
TO OPERATE SPREADER AND PREWET FUNCTIONS
- *CONSTANT MESH WET SPLINE PTO

IDC Paint Location: **IDC-OH**
Hitch Powder Paint: **Hitch Only (Black)**
Undercoat: **Undercoat (Body Underside & Chassis)**
Paint Code & Color (from color charts):

PWS liquid pre-wetting system

Power Source: **None-No power unit**
Application: **Tailgate spreader**
Product Size: **Tailgate Mounted Prewet**
Control Box: **No Control Box Tanks only**
Pump: **No Pump**
Console: **None-Deduct PWSE Console**
Tank Size: **Single 75 Gal Poly Tank w/plumbing & hardware**
Spray Assembly: **Std Variable Displacement Nozzle Assembly**
Flush Kit: **System flush kit**
Option 1 Description: **SS PREWET TANK MOUNT BRACKETS P/N 150856.201**

Single Package: \$75,563.00

Package(s) : 1

Total: \$75,563.00

Due to current raw material market conditions this
quote includes a surcharge on Henderson equipment.
Quotes exceeding the expressed quote validity
date are subject to surcharge revisions.

Signed: _____

Date: _____

Quote notes:

