

# **Regular City Council Meeting**

## **July 27, 2015**

### **Agenda**

**7:30 p.m.**    **Call to Order**  
**Pledge of Allegiance**  
**Roll Call**  
**Approval of Minutes:**    **July 27, 2015**  
**Approval of Bills: NONE**  
**Approval of Agenda**  
**Public Comment**

#### **I. Old Business**

- 1)    First Reading of Amendment to Ordinance: Chapter 14 - Animals – To Allow For and To Provide Regulations on the Keeping of Female Chickens (Hens)

#### **II. New Business**

- 1)    Consider Amendment to Safebuilt Professional Services Agreement
- 2)    Consider adopting resolution related to preservation of the City's trees and setting and limiting the standards for the trimming and removal of trees and other vegetation on public and private property including within registered easements.
- 3)    Consider bids to for the replacement of the Police Station Roof and authorize accepting the bid from the low bidder.
- 4)    Consider bids to for the purchase of a new fire truck to replace the 1996 KME engine currently in service known as Engine 1 and authorize accepting the Pierce Saber bid with the Chassis payment option, .class A foam system, Tool mounting, loose equipment, compartment, and cab customization options for a total purchase price of \$478,683.00
- 5)    Consider resolution authorizing the City as the Act 51 Agency for the joint Safe Routes to School grant in partnership with the South Lyon Community Schools, Lyon Township and the Road Commission of Oakland County.
- 6)    Consider authorizing the Mayor to sign the required Fiduciary Letter of Commitment for the Safe Routes to School Grant
- 7)    Consider Purchase of an Xtreme XV6000 Vac Leaf Collector
- 8)    Consider Purchase of a 2016 DPW Salt/Plow Dump Truck

#### **IV. Manager's Report**

#### **V. Council Comments**

#### **VI. Adjournment**

The City of South Lyon  
Regular City Council Meeting  
July 13, 2015

Mayor Wallace called the meeting to order at 7:30 p.m.  
Mayor Wallace led those present in the Pledge of Allegiance.

PRESENT: Mayor Tedd Wallace  
Council Members: Dixon, Kivell, Kopkowski, Kramer, Rzyzi, and Wedell  
Also Present: City Manager Ladner, Department Head Martin, Chief Collins, Chief Kennedy, Attorney Wilhelm and Clerk/Treasurer Deaton

MINUTES

CM 7-1-15 MOTION TO APPROVE MINUTES

Motion by Kivell, supported by Wedell  
Motion to approve minutes as presented

VOTE: MOTION CARRIED UNANIMOUSLY

BILLS

Councilman Wedell stated looking at the expenditure and revenue reports, it looks like the City will come out pretty good. Councilman Wedell asked if the Bricco payment will be the last one. City Manager Ladner stated she is working with HRC to find out why we are still getting bills for Bricco, but that will not be the last one. She stated there is still money in the DWRF fund for these payments.

CM 7-2-15 MOTION TO APPROVE BILLS

Motion by Wedell, supported by Dixon  
Motion to approve bills as presented

VOTE: MOTION CARRIED UNANIMOUSLY

AGENDA

City Manager Ladner stated she would like to add an item for the purchase of property of 390 S. Lafayette. She further stated we received information on this late Friday afternoon. That property is located in the downtown area, and it was foreclosed on by the County Treasurer. We have the first right

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of refusal and she would like Council to consider this. Mayor Wallace stated we only have until the 21<sup>st</sup> of July to make a decision. City Manager Ladner stated she would like it added as item #8.

#### CM 7-3-15 MOTION TO APPROVE THE AMENDED AGENDA

Motion by Kopkowski, supported by Kramer  
Motion to approve agenda as amended

VOTE: MOTION CARRIED UNANIMOUSLY

#### PUBLIC COMMENT

Carl Richards of 390 Lenox stated he would like to thank the Fire Department and the HVA for getting him to the hospital in a desperate situation. He further stated he would like to thank the DPW for the beautiful condition of the City for the 4<sup>th</sup> of July weekend. He further stated he would like to thank the City for the new bench that was installed at the pocket park by the barber shop.

Ryan Lare of 716 Grand Court stated he would like to thank the South Lyon Fire and Police Department for the quick response to a house fire in his subdivision. He stated he could not be prouder.

#### OLD BUSINESS

##### 1. Commission Resignations/Appointments:

City Manager Ladner stated Anne Levy is resigning from the Cultural Arts Commission. Tammy Impullitti has applied for the vacant position. She further stated she does not live in the City, but that is not a requirement, and she will be a great addition to the Commission, she has experience in the arts and in volunteerism.

#### CM 7-4-15 MOTION TO APPROVE THE APPOINTMENT TO THE CULTURAL ARTS COMMISSION

Motion by Kivell, supported by Rzyzi  
Motion to approve the appointment of Tammy Impullitti to the Cultural Arts Commission

VOTE: MOTION CARRIED UNANIMOUSLY

Mayor Wallace stated Elizabeth Philes has resigned from the Historical Society due to family commitments. He further stated he would like to appoint James Race in her place. Mayor Wallace stated James Race will be a great addition. He would like to contribute and has been a long time resident. James Race of 996 Hearthside stated he would like to contribute to the City and the Historical Society. Councilman Kivell asked if he had anything to do with the Yankee Museum. Mr. Race stated he was a Department Manager there, in the membership department. He stated they were able to help

boost membership to 2,000 nationwide, the fees were all revenue which helped to purchase the new building they are currently in.

CM 7-4-15 MOTION TO APPROVE APPOINTMENT TO HISTORICAL COMMISSION

Motion by Wallace, supported by Wedell

Motion to appoint James Race to the Historical Commission

VOTE:

MOTION CARRIED UNANIMOUSLY

2. Consider requesting the DDA Board begin the process to identify specific project properties and undertake the process of preparing to apply for the 2016 Michigan Blight Elimination Program

City Manager Ladner stated the DDA is very interested in this program. She stated it assists with eliminating Blight in the Downtown area. It helps with the elimination of Blight as well as the refurbishment of structures in the downtown area, and there are a few buildings downtown that need to be refurbished or eliminated. She stated the grant application is due in June of each year, therefore the DDA will have a year to have the application ready, and for them to decide which buildings they would like to target. Councilman Kivell asked if there is a way to wrestle property away from bad landlords. City Manager Ladner stated the grant will put State resources behind us, as well as some finances for eminent domain and legal resources. Councilman Rzyzi stated he is glad to see the blight issue is finally being addressed and he would like the City to take a hard stance on this.

CM 7-5-15 MOTION TO APPROVE THE DDA TO APPLY FOR THE 2016 BLIGHT ELIMINATION GRANT

Motion by Kivell, supported by Rzyzi

Motion to allow the DDA and the City to take necessary steps to move forward with applying for the 2016 Blight Elimination Grant

VOTE:

MOTION CARRIED UNANIMOUSLY

3. Consider ratification of the IUOE Union Contract for July 2015- July 2018

City Manager Ladner stated she apologizes the red lined copy wasn't included in the packet. Mayor Wallace asked City Attorney Wilhelm if he is comfortable with the current contract. Attorney Wilhelm stated another attorney from his firm participated with the change in language and he is comfortable with it.



CM 7-6-15 MOTION TO APPROVE THE IUOE UNION CONTRACT FOR JULY 2015-JULY 2018

Motion by Kivell, supported by Kramer

Motion to approve the IUOE union contract from July 1, 2015 to July 1, 2018

VOTE: MOTION CARRIED UNANIMOUSLY

4. Consider authorizing request for reimbursement from Oakland County West Nile Virus Program

Department Head Martin stated this is the 14<sup>th</sup> year the City has participated with this program. The first step for this program is to attend seminars, then the application. The purchase and distribution for mosquito briquettes that we drop in the sewer drains to help kill the mosquito larvae. He stated the final step is for the City Council to pass a resolution supporting the program, and we will then get our money back. We are being reimbursed for the mosquito repellent briquets, and the mosquito wipes, for \$1,546.18.

CM 7-7-15 MOTION TO APPROVE THE WEST NILE VIRUS FUND PROGRAM REIMBURSEMENT RESOLUTION

Motion by Kramer, supported by Kopkowski

Motion to approve West Nile Virus Fund Program resolution to Oakland County

VOTE: MOTION CARRIED UNANIMOUSLY

5. Consider approving the application for Whipple Street Block Party- Not an action item

Mayor Wallace asked why this is on the Agenda if it is not an actionable item. Chief Collins stated he submitted this for information purposes only for the Council. He further stated there have never been any problems with this long standing block party. Mayor Wallace stated they did have to change the date due to the Blues, Brews and Brats being the first weekend in August.

6. Review information regarding Historic Commission Heritage Days Application- Not an action item

City Manager Ladner stated she added this to the agenda to let the public know about the new event, and to allow someone from the Historical Depot to give more information. Larry Ledbetter of 11343 Clovis Point stated he is the president of the Historical Commission. He stated Heritage Day will be like an old fashioned country fair. The objective is to bring people to the museum; there will be a pig roast,



as well as a flea market type event to gain revenue. He thinks the highlight will be the fellowship tent where people can sit and listen to the barbershop quartet. He further stated this is not directed at the children as much as Depot Day is. This is more of a relaxing quiet day for the Community. They are hoping to have many more in the future. It begins at 9:00 a.m. on the 18<sup>th</sup> of July.

#### 7. Review the City Manager's Goals and Objectives for FY 2015-2016

City Manager Ladner stated she presented the Council with her list of goals in January, but she has expanded on that. She summarized a list of goals and objectives she has for this year, which includes completing the major IT projects. She stated she would also like to improve the customer service experience at City Hall by improving forms and access to forms online to reduce the necessary time for residents to complete their processes.

City Manager Ladner stated she also plans on seeking permission from Council to seek grants at least once per quarter. She stated she would like to rebrand the City of South Lyon by working with a local graphic artist to develop a new logo for the City including a new flag, and the re-design of the City website.

City Manager Ladner stated she plans on successfully applying for and receiving the Safe Routes to School Grant in conjunction with the South Lyon Schools, Lyon Township and the Road Commission for Oakland County.

City Manager Ladner stated she plans on implementing the Roadway Asset Management plan including the development of a 5 and 10 year long range goal to improve or maintain City controlled streets to minimum PASER rating of 5.

City Manager Ladner stated she also plans on bringing a plan to Council to resolve the MERS unfunded liability and new hire liability issues and bring long term pension costs into alignment with reasonable investment strategies for the future.

City Manager Ladner stated she would also like to implement a sidewalk replacement/construction cost share program to increase the pedestrian friendly reputation of the City.

Mayor Wallace stated he spoke with Lannie Young from Lyon Township regarding the sidewalks that are needed for the Safe Routes to School program, and he pointed out the Township needs to install sidewalk. Mayor Wallace further stated he doesn't want the City to pay for the Townships sidewalks.

Councilman Kivell asked if the grant would include any money for land acquisition because streets such as Marjorie Ann doesn't have room for sidewalks. City Manager Ladner stated the funding does provide funding for land acquisition, but that will be an issue for Lyon Township. Councilman Kivell stated he would just like to make sure our money isn't contributed to Lyon Township, and he was just stating that it will be easier for Lyon Township to build their sidewalks as long as they have funds for the land acquisition. Councilman Kivell asked what the City Manager thinks the matching money will be for the grants she plans on applying for. City Manager Ladner stated 20-25% is the norm. She further stated it depends if it is a public grant or private. The public grants match number is higher. Councilman Kivell stated he would like the City Manager to keep Council in the loop regarding the MERS unfunded liability issue. Councilmember Kopkowski stated during the City Managers review, most Council members stated they were concerned with the morale in office at City Hall, and she is surprised that improving



morale isn't part of her goals. City Manager Ladner stated she began having meetings with staff last week and she is working on the issues. Councilmember Kopkowski asked if there is a goal of doing something about the vacant buildings, and does that have anything to do with rebranding the City. City Manager Ladner stated she was hoping to hire a full time person for Economic Development, but she is happy to add economic development goals to her list. She further stated rebranding the City includes beautifying the City. Councilman Rzyzi stated he has spoken with a few business owners and they have yet to meet the City Manager. He further stated he would like her to go to each business introducing herself a few times a month. City Manager Ladner stated she will be happy to do that. Councilman Rzyzi stated he would also like her to not rely on the City Attorney as much to help lower costs.

#### 8. 390 S. Lafayette

City Manager stated 390 S Lafayette was foreclosed on by the Oakland County Circuit Court for property taxes. The total amount of the tax foreclosure is \$58,475.07. The City has the first right of refusal to purchase this property for public purpose, which could be a park, to offer for redevelopment, or to demolish the blighted building that is there. She further stated we have to act by the 21<sup>st</sup> of July. Knowing that we have a blighted building there, she has been working with our Code Enforcement Officer and the Building Department, she has been working with the City Attorney to look at what our options are. She stated this building is not in the Downtown District, but it is in the downtown authority district. She said our planner stated in the future it will be in the downtown district. She has also spoken with our planner regarding our options of what may be built there. City Manager Ladner stated the property owner adjacent to the property is also interested in purchasing the property. Councilman Kramer stated he is for this, but as far as this resolution is concerned, do we have to be specific with what our intentions are? Attorney Wilhelm stated it will not limit the City's options. Councilman Kramer asked what the restrictions are for that lot. Attorney Wilhelm stated we could do residential on a separate level, but he hasn't looked at any similar restrictions. Councilmember Kopkowski asked with our zoning setbacks, will that not make it impossible to build on this lot? City Manager Ladner stated in our current zoning yes, but in our zoning amendments, it will not be. Councilman Kivell stated he just wanted to say, our Planner doesn't decide what is going to go on there, Council does. He stated, he asked for the envelope for this property was over a year ago, and never got an answer. The notion that this property needs to be demolished is presumptuous. It takes away some potential opportunities. If we demolish the building, and if the CBD transformed, it will put the City on the hook to supply parking spaces. Everyone else in that area supplied their own parking. He further stated there is a lot of speculation, he is on board with this, but he wants to make sure the City is protected, and to make sure someone who doesn't have the best intentions get in control of the property. City Manager Ladner stated if we purchase the property it will come out of the Land Acquisition fund. Councilman Kivell stated there are more discussions that will need to take place before we decide what to do with the property. Building Inspector Dennis Smith stated the foundation is in very bad shape, as well as damage from animals and mold. Discussion was held regarding the language of the resolution. It was the consensus of Council to remove the word demolish from the presented resolution.



CM 7-8-15 MOTION TO APPROVE RESOLUTION TO PURCHASE TAX FORECLOSED PROPERTY AT 390 S LAFAYETTE

Motion by Kramer, supported by Kivell

Motion to approve resolution to purchase tax foreclosed property at 390 S Lafayette as provided For under MCL 211.78m (1)

VOTE: MOTION CARRIED UNANIMOUSLY

MANAGERS REPORT

City Manager Ladner stated the concert in the park Friday night will be Rich Eddy's and the Leggo movie will be playing in the park Saturday night. She further stated she is in the office all week and will be attending the Chamber ribbon cutting on Friday at 4:00. City Manager Ladner stated Blues, Brews and Brats will be on Saturday August 1<sup>st</sup>. She further stated she will be attending a conference next week on Wednesday and Thursday.

COUNCIL COMMENTS

Councilmember Dixon stated she has asked the City Manager to place an item on the Agenda in August for the hydrants in Colonial Acres Phase 4 to dedicate to the City. She further stated she will not be running for her Council seat in November, but she would like to thank everyone that signed her petition. Councilman Kramer stated at the presentation he forgot to thank Amy Allen, the director of the South Lyon Rec Authority, as well as Linda Graham who is the director of the Senior Center.

Councilman Rzyzi stated he is excited about the first South Lyon Heritage Day. He further stated Paul Baker Park looks beautiful and he would like to thank the Four Seasons Garden Club. He stated on August 11<sup>th</sup> there will be a DIA event with a string quartet. Councilman Rzyzi stated it is refreshing to see different organizations teaming with the City and would like to see more of that.

Councilman Kivell stated Norbert Hope passed away and he was a 35 year electrical inspector for the City. He further stated he was an asset to our community and a very stable helpful man. He was always willing to help anyone.

Mayor Wallace stated he attended the Injured Soldier event on Saturday, there were 350 motorcycles there. This group is different than Wounded Soldiers. This group is based here in South Lyon. This group makes sure they are able to go fishing, go hunting and do things they may not have the opportunity to do normally. They recently purchased a 200 acre ranch up north, and are always looking for donations. The last Wednesday night car show was spectacular. Everyone was really excited about it. Mayor Wallace stated he would like to thank Maggie Kurtzweil for her work in Paul Baker Park.



ADJOURNMENTCM 7-8-15 MOTION TO ADJOURN

Motion by Kivell, supported by Kopkowski

Motion to adjourn at 8:45

VOTE:

MOTION CARRIED UNANIMOUSLY

Respectfully submitted,

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Tedd Wallace Mayor

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Lisa Deaton Clerk/Treasurer

## **AGENDA NOTE**

Old Business: Item #1

**MEETING DATE:** July 27, 2015

**PERSON PLACING ITEM ON AGENDA:** Lynne Ladner, City Manager

**AGENDA TOPIC:** First reading of amendment to ordinance: Chapter 14 - Animals – To Allow For and to Provide Regulations on the Keeping of Female Chickens (Hens)

### **EXPLANATION OF TOPIC:**

At the June 8<sup>th</sup> meeting Mieki Giles approached the City Council with a request that the City consider amending their ordinance to the keeping of chickens (hens) in the City Limits in residential areas. Since that time, the City Attorney and the Planning Consultant have worked on a draft ordinance to allow for this activity and to provide regulations.

**MATERIALS ATTACHED AS SUPPORTING DOCUMENTS:** Draft copy of the amended ordinance.

**POSSIBLE COURSES OF ACTION:** Approve/Do Not Approve the first reading of the amended ordinance.

### **RECOMMENDATION:**

**SUGGESTED MOTION:** Motion by \_\_\_\_\_, supported by \_\_\_\_\_ that this be the first reading of the proposed Amendment of Chapter 14 Chapter 14 - Animals – To Allow For and to Provide Regulations on the Keeping of Female Chickens (Hens).



ORDINANCE NO. \_\_-15

CITY OF SOUTH LYON  
OAKLAND COUNTY, MICHIGAN

AN ORDINANCE TO AMEND THE CITY OF SOUTH LYON CODE OF ORDINANCES, CHAPTER 14 - ANIMALS – TO ALLOW FOR AND TO PROVIDE REGULATIONS ON THE KEEPING OF FEMALE CHICKENS (HENS)

THE CITY OF SOUTH LYON ORDAINS:

**PART I. Amendment to Chapter 14, Article I.** Chapter 14– Animals, Article I - General, Section 14-4 Domestic animals and fowl is amended as follows:

Sec. 14-4. - Domestic animals and fowl.

No person shall keep or house any animals or domestic fowl within the city except dogs, cats, birds, fowl or animals commonly classified as pets unless permitted pursuant to the provisions of this Chapter.

**PART II. Amendment to Chapter 14.** Chapter 14 – Animals is amended to add the following Article V - Female Chickens (Hens):

ARTICLE V. - FEMALE CHICKENS (HENS)

Sec. 14.94. - Keeping Female Chickens (Hens) in Single-Family Residential Districts.

Any person residing in a detached single-family structure in a Single-Family Residential District in the city may keep female chickens (hens) in compliance with the following standards:

- (a) A maximum of \_\_\_\_\_ chickens are permitted for personal use only and not for any business or commercial use.
- (b) Roosters and male chickens are prohibited.
- (c) Slaughtering is prohibited.
- (d) Chickens shall be provided, and remain within, at all times, a fully enclosed coop and fenced enclosure, with a maximum area of 300 square feet for both, meeting the standards of Section 102-437. - Fences.
- (e) The following coop requirements must be met:
  - i. Minimum size of 4 square feet per chicken.
  - ii. Must be fully enclosed, except for the opening leading to additional fenced area (if included) and designed, constructed, repaired and

maintained so as to prevent rats, mice, or vermin from being harbored underneath, inside, or by the enclosure or coop.

- iii. Must be designed, constructed, maintained and repaired to be clean, dry, odor free and kept in a neat and sanitary condition and in compliance with all city ordinances.
  - iv. May not be located within any side or front yard and may not be any closer than twenty-five (25) feet from any dwelling on a neighboring property or ten (10) feet from any property line.
  - v. Remains subject to standards of Section 102-431. - Accessory buildings, structures and uses, except setbacks and maximum size, which shall meet those identified above.
- (f) A sketch plan must be submitted along with a permit application indicating the location of the enclosure and coop or other structure(s), along with any associated fencing, all dimensions and the setbacks from the property lines, and identification of materials.
  - (g) All feed and other items associated with the keeping of chickens that are likely to attract or become infested shall be so protected so as to prevent rats, mice, and vermin from gaining access to or coming to contact with them.
  - (h) Removal or appropriate disposal of droppings is required (information to be provided on permit). Droppings not used for composting or fertilizer shall be removed.
  - (i) All provisions of this Code relating to noise, odor, and sanitation, including the provisions of this article, shall apply to the keeping of chickens under this section.
  - (j) A permit must be obtained from the City along with payment of a permit fee set by City Council to ensure continued compliance with the above standards. Permits shall be for one year and shall be renewable for one year periods. A permit shall provide a limited license for the activity, and no vested zoning rights shall arise from the issuance of a permit. Permits are non-transferrable and do not run with the land.
  - (k) Failure to remain in compliance with these standards and the provisions of this section shall be deemed a civil infraction and may result in revocation of a permit.
  - (l) Notwithstanding the issuance of a permit by the City, private restrictions on the use of property shall remain enforceable and take precedence over a permit. Private restrictions include but are not limited to deed restrictions, condominium master deed restrictions, neighborhood association by-laws, and covenant deeds. A permit issued to a person whose property is subject to private restrictions that prohibit the keeping of chickens is void. The interpretation and enforcement of the private restriction is the sole responsibility of the private parties involved.



**PART III. Severability.** Should any division, section, subsection, clause, or phrase of this Ordinance be declared by the courts to be invalid, the validity of the Ordinance as a whole, or in part, shall not be affected other than the part invalidated.

**PART IV. Savings Clause.** The amendment of the City of South Lyon Code of Ordinances set forth in this Ordinance does not affect or impair any act done, offense committed, or right accruing, accrued, or acquired or liability, penalty, forfeiture or punishment, pending or incurred prior to the amendment of the City of South Lyon Code of Ordinances set forth in this Ordinance.

**PART V. Repealer.** All other Ordinances or parts of Ordinances in conflict herewith are hereby repealed only to the extent necessary to give this Ordinance full force and effect.

**PART VI. Effective Date; Publication.** The provisions of this Ordinance shall become effective fifteen (15) days after its adoption and shall be published within fifteen (15) days of its adoption by publication of a brief notice in a newspaper circulated in the City, stating the date of enactment and the effective date of the ordinance, a brief statement as to the subject matter of this Ordinance and such other facts as the Clerk shall deem pertinent, and that a copy of the Ordinance is available for public use and inspection at the office of the City Clerk.

Made, Passed and Adopted by the South Lyon City Council this \_\_\_\_ day of \_\_\_\_\_, 2015.

\_\_\_\_\_  
Tedd M. Wallace, Mayor

\_\_\_\_\_  
Lisa Deaton, City Clerk

Certificate of Adoption

I hereby certify that the foregoing is a true and complete copy of the ordinance adopted at the regular meeting of the South Lyon City Council held on the \_\_\_\_ day of \_\_\_\_\_, 2015.

\_\_\_\_\_  
Lisa Deaton, City Clerk

Adopted:  
Published:  
Effective:

# **AGENDA NOTE**

**New Business: Item #**

**MEETING DATE:** July 27, 2015

**PERSON PLACING ITEM ON AGENDA:** City Manager

**AGENDA TOPIC:** Consider amending SAFEbuilt Professional Services Contract

**EXPLANATION OF TOPIC:** Attached is an amendment to our current contract with SAFEbuilt to provide additional professional services in the areas of Plumbing, Mechanical, and Electrical Inspection and Plan Review Services. The reason for bringing this amendment to the council is our current Plumbing and Mechanical Inspector Dave Murray has informed the City of his intention to retire effective July 30, 2015. In order to provide the same consistent level of service that we have always had with Dave while not incurring additional overhead costs it makes the most sense to amend our existing contract with SAFEbuilt to add the professional services that he was providing to our current contract. At the same time it seems prudent to also include our electrical inspection and plan review services in the SAFEbuilt contract.

While the City is content with its current electrical inspector, he currently serves several other communities and townships and while it there is not a pressing need to make a change in these services it is prudent to consolidate all the services of the Building Department into a single contract which will provide a single resource and potentially reduce the time it takes to complete plan reviews and inspections for projects.

**MATERIALS ATTACHED AS SUPPORTING DOCUMENTS:** Contract amendment and Dave Murray's retirement letter

**POSSIBLE COURSES OF ACTION:** Approve/Do Not Approve the contract amendment.

**RECOMMENDATION:** Approve the contract amendment.

**SUGGESTED MOTION:** Moved by, \_\_\_\_\_ seconded by, \_\_\_\_\_ amend the contract with SAFEbuilt to include Plumbing, Mechanical and Electrical Inspection and Plan Review Services for a rate of 75% of the permit fee.

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## AMENDMENT TO PROFESSIONAL SERVICES AGREEMENT

**Amendment to the Professional Services Agreement** effective March 29, 2015, between the City of South Lyon, Michigan, ("City") and SAFEbuilt Michigan, Inc., whom has merged into and consolidated with SAFEbuilt Michigan, LLC, ("SAFEbuilt").

Agreement Amendment Effective Date: August 01, 2015

Exhibit A – Scope of Services is hereby amended to include:

- ✓ SAFEbuilt will provide Plumbing, Mechanical and Electrical Inspection and Plan Review Services
- ✓ Plumbing and Mechanical Inspections will be provided on Tuesday, Wednesday, and Thursday between the hours of 8:00 am and 5:00 pm – excluding City holidays
- ✓ Electrical Inspections will be provided on Monday, Wednesday, and Friday between the hours of 8:00 am and 5:00 pm – excluding City holidays
- ✓ Services will be provided utilizing Act 54 registered professional in the appropriate discipline

Exhibit B – Fee Schedule for Services is hereby amended to include:

Services	Percentage of Fees
Plumbing, Mechanical and Electrical Inspection and Plan Review Services	75% of the permit fee

- ✓ SAFEbuilt fees are all inclusive with no separate billing for wages/benefits, mileage, vehicle expenses, etc...

**The original Agreement, Exhibits and terms shall remain in effect.**

IN WITNESS HEREOF, the undersigned have caused this Amendment to be executed in their respective names on the dates hereinafter enumerated.

City of South Lyon, Michigan

SAFEbuilt Michigan, LLC

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Signature

Name: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

July 23, 2015

Lynne Ladner  
City of South Lyon  
335 S. Warren  
South Lyon, MI 48178

Ms. Ladner,

This is to inform you that I will be retiring as Plumbing & Mechanical inspector for the City of South Lyon effective Thursday, July 30, 2015.

David R. Murray

A handwritten signature in cursive script, reading "David R. Murray". The signature is written in dark ink and is positioned below the printed name.



# **AGENDA NOTE**

**New Business: Item # 1**

**MEETING DATE:** July 27, 2015

**PERSON PLACING ITEM ON AGENDA:** Councilman Rzyzi

**AGENDA TOPIC:** Resolution Regarding DTE Tree Trimming

**EXPLANATION OF TOPIC:** Attached is a resolution related to the preservation of the City's trees and setting and limiting the standards for the trimming and removal of trees and other vegetation on public and private property including within registered easements.

**MATERIALS ATTACHED AS SUPPORTING DOCUMENTS:** Resolution

**POSSIBLE COURSES OF ACTION:** Approve/Do Not Approve the resolution

**RECOMMENDATION:**

**SUGGESTED MOTION:** See attached resolution.

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**CITY OF SOUTH LYON  
OAKLAND COUNTY, MICHIGAN**

**RESOLUTION NO. \_\_-2015**

**A RESOLUTION URGING DTE ENERGY TO CEASE THE  
GROUND-TO-SKY TREE TRIMMING PROGRAM**

**Whereas**, the South Lyon City Council is aware of a recent directive from the Michigan Public Service Commission (MPSC) to DTE Energy and Consumers Energy to implement a new tree trimming program in 2015 to reduce the number of power outages caused by falling trees and branches near power lines. DTE is calling their new program "Ground-to-Sky"; and

**Whereas**, electric service in South Lyon is provided by DTE Energy; and

**Whereas**, DTE Energy has interpreted this directive with an extreme interpretation and proceeded with such aggressive measures in other communities, resulting in drastic tree removal and a loss of numerous mature trees and other vegetation due to the clear-cutting methods; and

**Whereas**, while the South Lyon City Council recognizes the need for the community to have reliable electric service, it also places high value on its existing tree canopy and other vegetation, which is vital in maintaining South Lyon's Tree City USA designation and adds character and property values of South Lyon; and

**Whereas**, the South Lyon City Council believes that while appropriate measures need to be taken by DTE Energy to reduce possible impediments from maintaining reliable electric service by keeping the power lines running through the city clear from trees and branches, such efforts should be done in coordination with each respective community in order to prevent the unnecessary loss of existing canopy; and

**Whereas**, it is a concern that the substantial removal of trees and other vegetation results in unremoved branches, stumps and other related debris, which not only gives a blighted appearance, but exacerbates the visual impact to the area; and

**Whereas**, the South Lyon City Council desires to communicate its concerns related to the Ground-to-Sky program and offer recommendations to DTE Energy and request they review their Ground-to-Sky program and develop a program that is less drastic.

**Now Therefore, Be It Resolved**, the South Lyon City Council urges DTE Energy to immediately end the Ground-to-Sky program and to initiate a careful review and analysis of what is reasonable and necessary to provide sustainable power and incorporate the following comments into consideration:

- a. While falling trees and branches have contributed to loss of electrical services primarily during storms, a clear-cutting approach is unreasonable and goes well beyond what is necessary to achieve the stated concerns and beyond what the MPSC has directed.
- b. Any tree removal or trimming techniques should err on the side of minimizing the removal of any trees, shrubs, groundcover under lines that do not threaten power



lines or have the characteristics that would allow them to grow and interfere with the overhead lines.

- c. DTE Energy shall continue to adhere to the established professional tree trimming standards.
- d. DTE Energy shall contact the City of South Lyon not less than 15-days before work is planned to begin to review the proposed trimming and/or removal schedules in order to determine an appropriate arrangement for each respective site.
- e. DTE Energy shall be required to make provisions for the replacement of trees and other vegetation that they remove from public property.
- f. DTE Energy must secure the appropriate approvals and/or authorizations for work to be done on private property and outside of any easements.

At a regular meeting of the City of South Lyon City Council, a motion was made by Council Member \_\_\_\_\_, supported by Council Member \_\_\_\_\_, to adopt the above resolution.

Ayes:  
Nays:  
Absent:

RESOLUTION DECLARED [ADOPTED/FAILED] on this 27th day of July, 2015.

#### CERTIFICATION

I certify that this resolution was duly adopted by the City Council of the City of South Lyon on July 27, 2015.

Lisa Deaton  
City Clerk  
South Lyon

# AGENDA NOTE

New Business: Item #2

**MEETING DATE:** July 27, 2015

**PERSON PLACING ITEM ON AGENDA:** Police Chief

**AGENDA TOPIC:** Police Station Roof Replacement

**EXPLANATION OF TOPIC:** The original roof on the police station is over twenty-four years old, and at the end of its serviceable life. Interior damage to the building has been caused by roof leaks. The budget for FY 2015 – 2016 includes funds for roof replacement. Bids have been obtained from three roofing companies, and it has been recommended that the roof replacement is scheduled as soon as possible to prevent further damage to the building.

**MATERIALS ATTACHED AS SUPPORTING DOCUMENTS:** Memo from Lt. Sovik, Bids from: Tittle Brothers Construction - \$22,995; Chess Roofing & Siding - \$21,450; Home Pro Roofing \$15,370.

**POSSIBLE COURSES OF ACTION:** Approve/Do Not Approve the roof replacement.

**RECOMMENDATION:** Approve the roof replacement by the low bidder – Home Pro Roofing.

**SUGGESTED MOTION:** Motion by \_\_\_\_\_, supported by \_\_\_\_\_ to accept the bid by Home Pro Roofing to replace the roof on the police station at a cost of \$15,370; plus \$35.00 per 4' X 8' sheet of decking, (over 10 sheets), if needed.

07/27/15



# **SOUTH LYON POLICE DEPARTMENT MEMORANDUM**

**Subject: Roof Replacement – Main Police Building**

**To: Chief Collins**

**From: Lt. Sovik**

**Date: April 8, 2015**

**Chief Collins,**

Attached are estimates from three roofing companies: Home Pro Roofing, Chess Roofing & Siding, and Tittle Bros Construction. I met with representatives from each company during their inspection of the current roof and found each of them to be very knowledgeable. At one time or other, they either showed me samples or provided me with literature about their products.

All three companies offer a limited lifetime warranty on materials and lifetime workmanship warranty. Other than the shingle manufacturer (Owens Corning / GAF), all three companies are very similar in products and services.

Of the three quotes, Home Pro Roofing (Shannon Eifert) offered their Premium Pro Package at a price at \$15,370. This price included 10 free 4X8 wood replacement sheets and \$35 per additional sheet if necessary. Home Pro Roofing offers Owens Corning shingles, whereas the other two companies offer GAF products.

Chess Roofing (Gethin Jones) provided three different package prices: 24,090 for the GAF Designer Series, \$21,450 for the GAF American Harvest Series, and \$18,810 for the GAF Timberline HD. The basic difference in price varies depending on the type of shingle and type of underlayment used.

**Tittle Bros. (Joe Grooms) offered two different packages: Gold and Silver Series in which both utilize Timberline HD GAF shingles (same as Chess Roofing). The Gold Series estimate is \$22,995 and the Silver Series is \$22,495. When I indicated that another company offered the same GAF warranty on their products, he almost became argumentative and stated that I needed to make sure that the other company is a certified elite GAF Master Elite Contractor, because their company is one of the very few in the state to have that particular certification. He attempted to “knock down” the other company as opposed to selling me on his products and services.**

**From my personal experience having worked in the roofing industry, the difference in materials varies slightly from manufacturer to manufacturer, but overall quality is very comparable.**

**My recommendation would be to contract with Home Pro Roofing at \$15,370. I performed a computer background check on the owner / operator Shannon Eifert. I was unable to locate any police contacts in our entire network. He has been licensed (2103192040) with the state of Michigan since 2008 with current expiration of 05/31/2017. I was unable to locate any complaints filed against him with the Better Business Bureau. He is willing to appear before Council and answer any questions or concerns they may have.**

**I believe going with Home Pro Roofing is the most prudent course of action given our pricing options.**

**All estimates were submitted with the understanding that the project would take place after the start of the 2015-16 FY budget.**



This Contract made this 14<sup>th</sup> day of October, 2014, by and between Home Pro Exteriors and

Name South Lyon Police Dept. ("Buyer") Phone \_\_\_\_\_  
Address 219 Whipple St. City South Lyon zip \_\_\_\_\_

The title of Buyer's property appears in the name of same Governing Authority city or township: same  
The Company agrees to apply the work described below, located at same

### Standard Package:

- Complete tear off, clean up and haul away the scraps.
- Full landscaping protection.
- Product: \_\_\_\_\_
- Color: \_\_\_\_\_
- Ice guard on all eaves & valleys.
- Single coverage valley system
- Standard felt underlayment over any remaining exposed decking.
- New pipe boots with ice guard.
- Roof ventilation:  
Ridge vent \_\_\_\_\_  
Pot vents \_\_\_\_\_
- Pre flash & seal all extrusions and along any walls.
- Final clean up with wheel magnet.
- 10 yr. Workmanship Guarantee

\$ \_\_\_\_\_

### Home Pro Package:

- Complete tear off, clean up and haul away the scraps.
- Full landscaping protection.
- Product: \_\_\_\_\_
- Color: \_\_\_\_\_
- Upgraded Ice Shield Membrane on all eaves, valleys and along walls.
- Double coverage seam valleys
- Home Pro custom underlayment over any remaining exposed decking.
- New pipe boots with Ice Shield Membrane.
- Roof ventilation:  
Ridge vent \_\_\_\_\_  
Pot vents \_\_\_\_\_
- Pre flash & seal all extrusions and along any walls.
- Final clean up with wheel magnet.
- Lifetime Workmanship Guarantee

\$ \_\_\_\_\_

### Premium Pro Package:

- Complete tear off, clean up and haul away the scraps.
- Full landscaping protection.
- Product: Owens Corning Duration w/ Preferred System Warranty
- Color: \_\_\_\_\_
- Upgraded Ice Shield Membrane on all eaves, valleys and along walls.
- Double coverage seam valleys.
- Home Pro custom underlayment over any remaining exposed decking.
- New pipe boots with Ice Shield Membrane.
- Roof ventilation:  
Ridge vent All Peaks  
Pot vents \_\_\_\_\_
- Pre flash & seal all extrusions and along any walls.
- Final clean up with wheel magnet.
- Lifetime Workmanship Guarantee

\$ 15,370

Additional work to be done: Install/replace any warped or rotted roof decking, install Brown 1 1/2 drip metal flashing around perimeter. Any wood decking replacement above 10 sheets will be \$35 per sheet additional.

Roof Package to be installed: Premium Pro Job Price \$ 15,370 Down Payment \$ 0

Terms: The balance of \$ 15,370 will be due at the completion of the job.

Company Guarantee: For a period of ☐ 5 years / ☐ 10 years / ☒ Lifetime after the date of completion of this Contract, the company agrees to correct or repair any conditions causing a leak in the roof which is attributed to faulty workmanship. This Guarantee is transferable to a new owner for the remainder of the guarantee period.

Buyers Right to Cancel: If you do not want the goods or services in this Contract, you may cancel this Contract by mailing a notice to the Company. This notice must say that you do not want the goods or services and must be mailed before midnight of the Third (3<sup>rd</sup>) business day after you sign this Contract. The notice shall be deemed effective when postmarked, by first class mail, United States Postal Service. This notice must be mailed to 9901 E. Grand River Ave. Brighton, MI 48116

Limitation of Damages: There are no implied warranties of merchantability or fitness for a particular purpose in connection with any sale of products under this contract. The only warranties applicable to such sales shall be with those expressly set forth in writing by the Company. Such express warranties shall be in lieu of any other warranties, whether express or implied. The Company's liability for any defective products or service or damages caused by the same, shall be limited to replacing the Product. Under no circumstances shall the Company be liable for incidental or consequential damages related to the defective Products or service.

Home Pro Exteriors license #2104201960

BUYER(s): \_\_\_\_\_

COMPANY REP.: Shamon Eifert 810-986-6000

Brighton (810) 225-9080

East Lansing (517) 349-3144

*Pricing is good through  
July 15<sup>th</sup> 2015  
Shm Eifert*



# Tittle Brothers

## CONSTRUCTION

### 866-ROOF-112

TittleBrothers.com



THREE LOCATIONS TO SERVE YOU BETTER

787 Southfield Road  
Lincoln Park, MI 48146  
(313) 382-6186

15720 Fort Street  
Southgate, MI 48195  
(734) 225-2525

Main Fax:  
(313) 382-3458

3101 Broadmoor Ave. SE  
Kentwood, MI 49512  
(616) 288-9932

ROOFING • SIDING • WINDOWS • CHIMNEYS • MASONRY • PORCHES • GUTTERS • ADDITIONS

To: South Lyon P.D. 219 Whipple St South Lyon, MI	Referred By: Facebook	Date: 1/26/15
	Work Phone: 248-437-1773	Cell Phone:

We hereby submit specifications and estimates for House / Garage:  
Tittle Brothers Construction Incorporated is a GAF Factory Certified Master Elite Contractor.

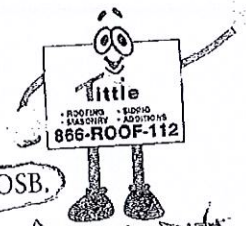
Homeowner to cover and prep attic. Also remove all breakables off the walls.  
Tittle Brothers Construction will protect house and landscaping with plywood and tarps.  
Tear off all layers of roofing shingles. 3 Free sheets 7/16 4x8 O.S.B.

Replace any bad wood as needed. Wood costs \$2.50 per foot of 1x6 and or \$45 per sheet of 7/16" OSB.  
Install new metal step flashing around chimney, if necessary, and all flashing walls  
Install new Aluminum Soil Stack Flanges around all plumbing stacks.

Thorough clean up and haul away all roofing debris, run nail magnet around yard.

Propose GAF Weather Stopper Integrated Roofing System as follows:

1. Installation of GAF Weather Watch Leak Barrier standard 6' at Eaves and Valleys and 3' at Flashing Walls & Chimneys.
2. Installation of GAF Shingle-Mate Roof Deck Protection on all exposed Roof Deck.
3. Installation of GAF Pro-Start Starter Strip Shingles on all Eaves for maximum wind warranties.
4. Proper Installation of GAF Shingles with proper nail placement. Six (6) nails per shingle.
5. Proper GAF Exhaust Ventilation System to meet or exceed local building codes.
6. Installation of GAF Timberline Hip & Ridge Cap Shingles to enhance the look of your roof and protect against leaks.



Gutters & Downspouts. \$1670.00

Commercial

PLATINUM SERIES	GOLD SERIES	SILVER SERIES
<input type="checkbox"/> Timberline Ultra HD <input type="checkbox"/> Grand Sequoia <input type="checkbox"/> SlateLine <input type="checkbox"/> Camelot II <input type="checkbox"/> Country Mansion II <input type="checkbox"/> _____  Deck Armor: _____ Golden Pledge Warranty: _____  Metal Valley: _____ Snow Country Ridge Vent: _____ SSB 960 Can Vents: _____ Drip Edge Color: _____  Shingle Type: _____ Color: _____ Total Investment: \$ _____	<input checked="" type="checkbox"/> Timberline HD <input type="checkbox"/> American Harvest <u>50 YR WARRANTY</u> <u>\$23,745.00</u> <u>\$1750.00 coupon</u> <u>\$22,995.00</u>  System Plus Warranty Included Golden Pledge Warranty: <u>\$500.00</u> <u>LAD reinforcement 500.00</u> <u>coupon</u> <u>Total Cost \$22,995.00</u> Snow Country Ridge Vent: <u>yes</u> SSB 960 Can Vents: _____ Drip Edge Color: <u>TBD</u>  Shingle Type: <u>Timberline HD</u> Color: <u>TBD</u> Total Investment: \$ _____	<input checked="" type="checkbox"/> GAF Natural Shadow  Generic System Basic Underlayments <u>\$22,495.00</u>  10 Yr. Workmanship Warranty Included 30 Yr. Material Warranty Included  Ridge Vents: <u>yes</u> Can Vents: _____ Drip Edge Color: <u>TBD</u>  Shingle Type: <u>Timberline HD</u> Color: <u>TBD</u> Total Investment: \$ _____

By encompassing the GOLD or PLATINUM SERIES we are offering limited lifetime warranty on all materials and lifetime workmanship warranty. Taxes and permits included.





## Quote

Chess Roofing & Siding,  
LLC  
www.chessroofing.us,  
<br/>1119 Earl Blvd.,  
<br/>Ferndale, MI, 48220,  
United States  
(248) 398-1050

Gethin Jones  
(313) 492-2311  
gethin@chessroofing.us

**Contact:** LT Chris Sovik  
Job #10281 - LT Chris Sovik(SL PD)  
219 Whipple St,  
South Lyon, MI, 48178, United States

**Estimate No:** 1331  
**Estimate Date:** 1/19/2015

Item Name	Description	Amount
GAF Designer Series	Acquire City Building Permit and required inspections Remove all layers of shingles from entire house, clean-up and haul away debris Install upgraded ventilation system for proper attic air circulation Install GAF Weather Watch Water & Ice Shield Leak Barrier on gable edges Install 6' GAF Weather Watch Water & Ice Shield Leak Barrier on all eave edges Install GAF Value Collection Lifetime Designer year warranty shingle Install GAF premium synthetic Deck Armor breathable underlayment Install GAF Pro-Starter strip on all eaves and rake edges Install GAF 50 year warranty vent pipe covers Install GAF Weather Watch water & ice shield around all roof protrusions Install GAF TimberTex premium ridge cap shingle on all hip and ridge areas Install GAF water & ice shield in all valleys and walls Install new counter flashing where needed including chimneys Install new aluminum drip edge on all eave and rake edges Chimney flashing to be cut into brick and mortar Install new sheeting at \$55.00 per sheet as needed Install new 1" x 6" as needed at \$4.00 per ft as needed A GAF Certified Chess Roofing & Siding crew will do the installation GAF System Plus Transferable Factory Warranty for the roof will apply	\$24,090.00
		Sub Total: \$24,090.00
		<b>Total: \$24,090.00</b>

Comments:



## Quote

Chess Roofing & Siding,  
LLC  
www.chessroofing.us,  
<br/>1119 Earl Blvd.,  
<br/>Ferndale, MI, 48220,  
United States  
(248) 398-1050

Gethin Jones  
(313) 492-2311  
gethin@chessroofing.us

**Contact:** LT Chris Sovik  
Job #10281 - LT Chris Sovik(SL PD)  
219 Whipple St,  
South Lyon, MI, 48178, United States

**Estimate No:** 1330  
**Estimate Date:** 1/19/2015

Item Name	Description	Amount
GAF American Harvest Series	<p>Acquire City Building Permit and required inspections</p> <p>Total property protection of homeowners' and neighbors' place</p> <p>Remove all layers of shingles from entire house, clean-up and haul away roof related debris</p> <p>Delivery of all materials supplied by Chess roofing and Siding</p> <p>Deteriorated plywood decking will be replace at \$2.00 per square foot</p> <p>Install upgraded ventilation system for proper attic air circulation.</p> <p>Install GAF Weather Watch Water &amp; Ice Shield Leak Barrier on gable edges</p> <p>Install 6' GAF Weather Watch Water &amp; Ice Shield Leak Barrier on all eave edges</p> <p>Install GAF Timberline American Harvest 50 year warranty shingle</p> <p>Install GAF premium synthetic Tiger Paw breathable underlayment</p> <p>Install GAF Pro-Starter strip on all eaves and rake edges</p> <p>Install GAF 50 year warranty vent pipe covers</p> <p>Install GAF Weather Watch water &amp; ice shield around all roof protrusions</p> <p>Install GAF TimberTex premium ridge cap shingle on all hip and ridge areas</p> <p>Install GAF water &amp; ice shield in all valleys and walls</p> <p>Install closed cut valley with one roll (3) water and ice shield</p> <p>Install new counter flashing where needed including chimneys</p> <p>Install new aluminum drip edge on all eave and rake edges</p> <p>Chimney flashing to be cut into brick and mortar</p> <p>Install new sheeting at \$55.00 per sheet as needed</p> <p>Install new 1" x 6" as needed at \$4.00 per ft as needed</p> <p>A GAF Certified Chess Roofing &amp; Siding crew will do the installation</p> <p>GAF System Plus Transferable Factory Warranty for the roof</p>	\$21,450.00
		Sub Total: \$21,450.00
		<b>Total: \$21,450.00</b>

Comments:





## Quote

Chess Roofing & Siding,  
LLC  
www.chessroofing.us,  
<br/>1119 Earl Blvd.,  
<br/>Ferndale, MI, 48220,  
United States  
(248) 398-1050

Gethin Jones  
(313) 492-2311  
gethin@chessroofing.us

**Contact:** LT Chris Sovik  
Job #10281 - LT Chris Sovik(SL PD)  
219 Whipple St,  
South Lyon, MI, 48178, United States

**Estimate No:** 1327  
**Estimate Date:** 1/14/2015

Item Name	Description	Amount
GAF Timberline HD	<p>Acquire City Building Permit and required inspections</p> <p>Remove all layers of shingles from entire house, clean-up and haul away debris</p> <p>Install upgraded ventilation system for proper attic air circulation</p> <p>Install GAF Weather Watch Water &amp; Ice Shield Leak Barrier on gable edges</p> <p>Install 6' GAF Weather Watch Water &amp; Ice Shield Leak Barrier on all eave edges</p> <p>Install GAF Timberline HD 50 year warranty shingle</p> <p>Install premium synthetic Rhino breathable underlayment</p> <p>Install GAF Pro-Starter strip on all eaves and rake edges</p> <p>Install GAF 50 year warranty vent pipe covers</p> <p>Install GAF Weather Watch water &amp; ice shield around all roof protrusions</p> <p>Install GAF Seal A Ridge premium ridge cap shingle on all hip and ridge areas</p> <p>Install GAF water &amp; ice shield in all valleys and walls</p> <p>Install new counter flashing where needed including chimneys</p> <p>Install new aluminum drip edge on all eave and rake edges</p> <p>Chimney flashing to be cut into brick and mortar</p> <p>Install new sheeting at \$55.00 per sheet as needed</p> <p>Install new 1" x 6" as needed at \$4.00 per ft as needed</p> <p>Install new fascia @ \$5.00 per foot as needed.</p> <p>A GAF Certified Chess Roofing &amp; Siding crew will do the installation</p> <p>GAF System Plus Transferable Factory Warranty for the roof will apply</p>	\$18,810.00
		Sub Total: \$18,810.00
		<b>Total: \$18,810.00</b>

Comments:

# AGENDA NOTE

New Business: Item #3

**MEETING DATE:** July 27, 2015

**PERSON PLACING ITEM ON AGENDA:** Fire Chief Mike Kennedy

**AGENDA TOPIC:** Purchase of new fire engine

**EXPLANATION OF TOPIC:** The purchase of a new fire engine was budgeted for in the FY16 budget. This engine will replace a 1996 KME engine. SLFD staff has been working with several apparatus manufacturers over the last two years to craft a bid specification that used standard build options but would also suit identified SLFD needs. Based on these discussions with apparatus manufacturers, \$550,000.00 was budgeted for this apparatus purchase.

In June 2015, a sealed bid notice was published in Hometown Media in full accordance with City of South Lyon bid procedures. The bid was also sent to Pierce, KME, HME, Sutphen, and Crimson fire apparatus manufacturers. On Friday, July 10, 2015, the sealed bid opening occurred with three companies submitting four bids. All of the bid prices were based on a cash purchase. Each bid packet is over one hundred pages. The bid packets are available upon request at the fire station if a City Council member would like to review them.

Pierce (Saber chassis) \$468,708.00

HME \$494,928.00

KME \$511,000.00

Pierce (Enforcer chassis) \$522,917.00

As a point of reference, SLFD Engine 2 (2008 KME) cost \$528,113.43 with another \$67,343.42 in interest payments. The reason the new bids came in lower than Engine 2 is that Engine 2 had numerous custom features, which required specialized engineering.

The bid proposal did request that bidders offer a purchase price for the existing Engine 1. Due to low purchase price offers, it is recommended that SLFD sell Engine 1 outside of this purchase proposal.

Upon review of the bids, I am recommending the purchase of the Pierce Saber. Pierce had quoted a price of \$468,708.00, but I am requesting the approval of the below funding for this apparatus.



Pierce Saber fire engine	\$468,708.00
Chassis payment option: Pay for the chassis upon construction. Pay for the chassis \$287,127.00 in approximately four months after the order is placed and a credit of \$8,613.00 will be provided on the final invoice.	- \$8,613.00
Pierce Husky Class A foam system	\$8,588.00
Tool mounting, loose equipment, compartment, and cab customization.	\$10,000.00
<b>TOTAL AUTHORIZATION REQUESTED</b>	<b>\$478,683.00</b>

**MATERIALS ATTACHED AS SUPPORTING DOCUMENTS:** Bid posting, received cost proposals, and line drawing of Pierce Saber fire pumper.

**POSSIBLE COURSES OF ACTION:** Approve/do not the authorization of not to exceed \$478,683.00 for a Pierce Saber fire pumper and related equipment.

**RECOMMENDATION:** Approve the authorization of not to exceed \$478,683.00 for a Pierce Saber fire pumper and related equipment.

**SUGGESTED MOTION:**

Motion by \_\_\_\_\_, supported by \_\_\_\_\_ to approve the authorization of not to exceed \$478,683.00 for a Pierce Saber fire pumper and related equipment.

Home (./) / Legal and Accepting

## Legal and Accepting

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(http://classifieds.hometownlife.com  
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CITY OF SOUTH LYON NOTICE SEALED  
BIDS REQUESTED The City of South Lyon  
is accepting SEALED BIDS for a ONE  
CUSTOM 1500 G.P.M./ TOP MOUNT  
PUMPER WITH 10 INCH RAISED ROOF of  
which met the provided specifications. Sealed  
bid proposals will be received by the City of  
South Lyon in the office of the City Clerk, 335  
S. Warren, South Lyon, Michigan 48178.  
Bids are to be received by 2:00 P.M.  
prevailing local time on Friday, July 10, 2015



and shall be clearly marked as "ONE  
CUSTOM 1500 G.P.M./ TOP MOUNT  
PUMPER WITH 10 INCH RAISED ROOF".  
Specifications may be obtained by emailing  
Fire Chief Mike Kennedy [mkenedy@  
southlyonfire.com](mailto:mkenedy@southlyonfire.com) or in person from the City  
Clerk at 335 South Warren Street, South  
Lyon, MI 48178. Published: June 11, 2015  
LO-0000246081


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SEALED BIDS REQUESTED The City of South Lyon is accepting  
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(<http://classifieds.hometownlife.com/>) | Legal and Accepting  
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/category.php?place=Announcements&posit=Legal+and+Accepting](http://classifieds.hometownlife.com/category.php?place=Announcements&posit=Legal+and+Accepting))

CITY OF SOUTH LYON STATE OF  
MICHIGAN PROBATE COURT COUNTY OF  
PUBLICATION OF HEARING FILE NO.  
14-2664NC In the matter of Nicole Rebecca  
Dehar TO ALL INTERESTED PERSONS ...

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Accepting](http://classifieds.hometownlife.com/item.php?id=2493721&place=Announcements&posit=Legal and Accepting))

 (<http://twitter.com/home?status=CITY OF SOUTH LYON STATE>

# PROPOSAL FOR FURNISHING FIRE APPARATUS

July 10, 2015

City of South Lyon  
217 Whipple Street  
South Lyon, MI 48178

The undersigned is prepared to manufacture for you, upon an order being placed by you, for final acceptance by Pierce Manufacturing, Inc., at its home office in Appleton, Wisconsin, the apparatus and equipment herein named and for the following prices:

One (1) Pierce Saber Pumper per enclosed alternate Pierce Saber Pumper Proposal \$ 468,708.00  
including exceptions, clarifications and options.

Please see the Option Section for pre-payment options, requested trade-in value  
and other requested options.

Total \$ 468,708.00


Said apparatus and equipment are to be built and shipped in accordance with the specifications hereto attached, delays due to strikes, war, or intentional conflict, failures to obtain chassis, materials, or other causes beyond our control not preventing, within about 9 months after receipt of this order and the acceptance thereof at our office at Appleton, Wisconsin, and to be delivered to you at South Lyon, Michigan.

The specifications herein contained shall form a part of the final contract, and are subject to changes desired by the purchaser, provided such alterations are interlined prior to the acceptance by the company of the order to purchase, and provided such alterations do not materially affect the cost of the construction of the apparatus.

The proposal for fire apparatus conforms with all Federal Department of Transportation (DOT) rules and regulations in effect at the time of bid, and with all National Fire Protection Association (NFPA) Guidelines for Automotive Fire Apparatus as published at the time of bid, except as modified by customer specifications. Any increased costs incurred by first party because of future changes in or additions to said DOT or NFPA standards will be passed along to the customers as an addition to the price set forth above.

Unless accepted within 15 days from date, the right is reserved to withdraw this proposition.

Pierce Manufacturing, Inc.

By:   
AUTHORIZED SALES REPRESENTATIVE  
Todd L. Lincoln



PERFORM. LIKE NO OTHER.



## OPTIONS

1. Trade-In Option: We will offer **\$20,000.00** for the unit. The 1996 KME must be maintained if the offer is accepted between the acceptances and when the new Pierce is placed in service. In addition to be 1996 KME being maintained, it is also important that the unit is received in in-service condition with no major leaks in the engine, transmission, transfer case, axles, pump, etc. The vehicle service/maintenance records along with current year (2016) passing pump test report is also required.
2. Pre-Payment Option: The following are a couple pre-payment options available:
  - a. 100% Pre-Payment Option: Pay for the unit upfront with a City of South Lyon Purchase order and deduct a total of **\$18,298.36** from the bid total. The total amount to be sent to Pierce would be **\$450,409.64**. A 100% Performance Bond will be provided.
  - b. Chassis Payment Option: Pay for the Chassis upon construction. Pay for the chassis, **\$287,127.00** in approximately 4 months after the order is placed and a credit of **\$8,613.00** will be provided on the final invoice.
3. A demonstration discount will not be offered.
4. We have provided an alternate bid with a build-to-order Pierce Saber Pumper, not a pre-built stock unit.
5. Pierce HUSKY 3 foam System plumbed to three (3) outlets (both speedlays and front outlet) with auto refill, 20 gallon foam cell (non-reducing water cell) and LED foam level gauge @ **\$8,588.00**.
6. Pierce Hercules Compressed Air Foam System (140 CFM hydraulic driven) to be plumbed to three (3) outlets (both speedlays and front outlet) @ **\$26,468.00**.
7. Foam/CAFS Training: This training is provided by Pierce certified foam/CAFS trainer and will be conducted at The City of South Lyon for three (3) days @ **\$3,590.00**.
8. Generator: To have a Smart Power 8kW generator installed at Halt Fire after delivery, please **deduct \$ 2,100.00** from the bid total. We have installed several generators after delivery. The installation is the same approved procedures at if it was completed at Pierce and warranties are the same, but you save money. Grand Blanc and Brighton are just a couple examples of new Pierce units in which Halt installed the generator after delivery and saving budget money at the same time.



## PROPOSAL TO FURNISH FIRE APPARATUS

Date: July 10, 2015

To: **City of South Lyon Fire Department**

Dear Sirs:

We hereby propose and agree to furnish, after your acceptance of this proposal and the proper execution and approval of the accompanying contract, the following apparatus and equipment:

One (1) HME Ahrens-Fox Pumper on an HME Custom Four Door Cab & Chassis with all equipment as described in the attached HME proposal, for the sum of:

Four Hundred Ninety-Four Thousand, Nine Hundred Twenty-Eight dollars and no/cents  
(\$494,928.00)

Only those items detailed in our proposal will be provided.

All of which are to be built in accordance with the HME, Incorporated proposed specifications attached, and which are made a part of this agreement and contract, to deliver 240 calendar days after date of receipt and approval of contract, properly executed, subject to all causes beyond our control.

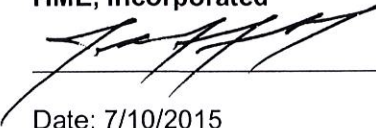
The amount named in this proposal shall remain firm for a period of 60 days from the date of same. All state, federal and local taxes are not included above. Any applicable taxes are to be paid by customer upon registration and licensing of vehicle. It is understood by both the Seller and the Buyer that Change Orders executed after contract acceptance may delay delivery. It is understood by both the buyer and the seller that Change Orders executed after contract acceptance may increase or decrease the price. The purchase price herein is based upon all applicable state and federal manufacturing law, regulations, orders, mandates and standards in effect as of the date of this Agreement (hereinafter "Standards") such as, for example, the Standards mandated by the National Fire Protection Association, tentative interim amendments to the National Fire Protection Association Standard, Underwriters Laboratories of Canada, and the US Environmental Protection Agency. The purchase price shall be subject to increase due to any state or federal Standards that are adopted, issued or mandated following the date of this Agreement that require the apparatus(es) described above to be manufactured and/or delivered in compliance with such Standard(s)

This Sales Contract in order to be effective and binding upon Seller must be signed and accepted by an authorized officer of HME, Incorporated. The effective date of this Sales Contract will be the date it is signed and accepted by HME, Incorporated.

All checks must be made payable to HME, Incorporated only and delivered to HME, Incorporated at its offices in Wyoming, Michigan. Under no circumstances shall payment be made to a dealer or any one else as Sellers agent. HME, Incorporated is the only authorized payee. Any representation that payment is to be made to any other party is absolutely unauthorized.

Official ownership documents shall remain property of the seller until the purchase price is paid in full. Upon receipt of payment, ownership documents shall be forwarded to the purchaser.

Respectfully submitted,  
**HME, Incorporated**

  
Date: 7/10/2015

We agree to accept the above proposal:  
**City of South Lyon**

\_\_\_\_\_  
Date: \_\_\_\_/\_\_\_\_/\_\_\_\_





Top Mount Pumper  
Stainless Steel Body

## City of South Lyon

1500 GPM Top Mount Pump  
850 Gallon Water Tank

### Options

The following options may be added in any combination.

- 1) Trade in for 1996 KME engine - No Bid
- 2) Cash Payment  
100% cash payment at contract signing deduct (\$6,248.00)  
80% cash payment at contract signing deduct (\$4,998.00)  
50% cash payment at contract signing deduct (\$3,124.00)
- 3) Demo Discount - No Bid
- 4) Stock Unit - Unfortunately there is not a stock unit that would have these unique requirements of the specifications.
- 5) Add Class A Foam - Add a FoamLogix 2.1A foam system, external foam cell and foam level gauge, add \$7,782.00
- 6) Add Class A CAFS system - Add a Hale CAFS Pro system with a FoamLogix 5.0 class A foam system, external foam cell and foam gauge. This option will also lengthen the pump panel by 13" longer. Add this option for \$60,477.00

### Additional Options

Front suction to be Elkhart brand in lieu of Akron brand, deduct (\$661.00)

The light tower shall have six (6) weatherproof, 750 watt, 120 volt quartz halogen lights on the light tower in lieu of the LED light heads, deduct (\$10,500.00)



## APPARATUS PROPOSAL

DATE: JULY 9, 2015

FOR: CITY OF SOUTH LYON, OFFICE OF CITY CLERK

MAILING ADDRESS: 335 S. WARREN STREET

SOUTH LYON

OAKLAND

MICHIGAN

48178

(City)

(County)

(State)

(Zip)

Bidder hereby proposes to manufacture and furnish to Purchaser, subject to Purchaser's acceptance of the Bidder's proposal and the proper execution of the appropriate contract, the following apparatus and equipment to be built in accordance with the attached specifications, whether purchase is made via KME contract or customer purchase order.

Quantity: ONE (1) KME Model: PREDATOR CUSTOM 1500 GPM TOP MOUNT W/ 10' RAISED ROOF

For the sum of FIVE HUNDRED ELEVEN THOUSAND AND NO/100 Dollars each.

**PRE-PAYMENT DISCOUNTS & LEASE PURCHASE PROGRAMS ARE ATTACHED**

**TOTAL: \$511,000.00**

Delivery is to be made subject to all clauses of the attached contract, within approximately 330-380 calendar days, from preconstruction meeting. Company will not be liable for any delay, failure to make delivery, or other default due to strikes or labor unrest, war, riot, federal, state or local government action, fire, flood or other disaster or acts of God, accidents, breakdown of machinery, lack of or inability to obtain materials, parts or supplies, or any other causes or circumstances beyond the reasonable control of Company which prevent or hinder Company's manufacture and/or delivery of the Apparatus. The Bidder's right to withdraw this proposal, if not accepted within sixty (60) days from the above date is hereby acknowledged.

Respectfully submitted by

Charles J. Payette  
Sales Representative

Payette Sales & Service, Inc.

Company

27250 Kitty Hawk Suite B

Address

Grosse Ile, MI. 48138

City, State, Zip

888.676.FIRE

Phone Number

KME Fire Apparatus

Apparatus Manufacturer

One Industrial Complex

Address

Nesquehoning, PA. 18240

City, State, Zip

800.235.3928

Phone Number

KME-Kovatch Organization

One Industrial Complex, Nesquehoning, PA 18240 USA

(800) 235-3928 Toll Free ▪ (570) 669-9461 Ph ▪ kme@kovatch.com ▪ www.kovatch.com



**KME FIRE APPARATUS  
1500 GPM CUSTOM TOP MOUNT PUMPER  
PROPOSAL FOR THE**



City Of South Lyon Fire Department  
MIKE KENNEDY  
FIRE CHIEF, City of South Lyon  
217 Whipple Street  
South Lyon, MI 48178

**OPTIONS:**

**KME Prepay options:**

	<u>Discount</u>
100% Prepay	\$18,338
90% Prepay	\$16,504
75% Prepay	\$13,753
50% Prepay	\$9,169
25% Prepay	\$4,584

For your consideration Payette Sales and Service will offer to purchase your 1996 KME top mount custom Renegade pumper with all the permanently attached items, warning lights, generator, light tower reels, ect. Ladders, suction hose rechargeable lights. The truck shall be in good working condition and pass a current pump test certification. We will offer to purchase the truck when the new KME truck is accepted and in service (\$16,000.00).

Class "A" foam system Hale Foam Logix 2.1 add \$5,221.00.

Class "A" CAFS Hale QMAX-CAFS-PRO 750 GPM @ 210 CFM add \$59,829.00

# PROPOSAL FOR FURNISHING FIRE APPARATUS

July 10, 2015

City of South Lyon  
217 Whipple Street  
South Lyon, MI 48178

The undersigned is prepared to manufacture for you, upon an order being placed by you, for final acceptance by Pierce Manufacturing, Inc., at its home office in Appleton, Wisconsin, the apparatus and equipment herein named and for the following prices:

One (1) Pierce Enforcer Pumper per enclosed Pierce Enforcer Pumper Proposal including exceptions, clarifications and options.	\$ 522,917.00
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Please see the Option Section for pre-payment options, requested trade-in value and other requested options.	
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Total \$	522,917.00
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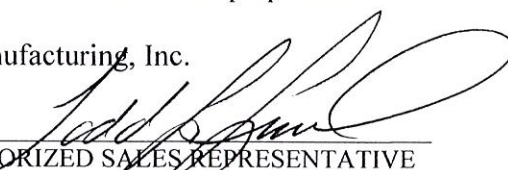
Said apparatus and equipment are to be built and shipped in accordance with the specifications hereto attached, delays due to strikes, war, or intentional conflict, failures to obtain chassis, materials, or other causes beyond our control not preventing, within about 9 months after receipt of this order and the acceptance thereof at our office at Appleton, Wisconsin, and to be delivered to you at South Lyon, Michigan.

The specifications herein contained shall form a part of the final contract, and are subject to changes desired by the purchaser, provided such alterations are interlined prior to the acceptance by the company of the order to purchase, and provided such alterations do not materially affect the cost of the construction of the apparatus.

The proposal for fire apparatus conforms with all Federal Department of Transportation (DOT) rules and regulations in effect at the time of bid, and with all National Fire Protection Association (NFPA) Guidelines for Automotive Fire Apparatus as published at the time of bid, except as modified by customer specifications. Any increased costs incurred by first party because of future changes in or additions to said DOT or NFPA standards will be passed along to the customers as an addition to the price set forth above.

Unless accepted within 15 days from date, the right is reserved to withdraw this proposition.

Pierce Manufacturing, Inc.

By:   
AUTHORIZED SALES REPRESENTATIVE  
Todd L. Lincoln





## OPTIONS

1. Trade-In Option: We will offer **\$20,000.00** for the unit. The 1996 KME must be maintained if the offer is accepted between the acceptances and when the new Pierce is placed in service. In addition to be 1996 KME being maintained, it is also important that the unit is received in in-service condition with no major leaks in the engine, transmission, transfer case, axles, pump, etc. The vehicle service/maintenance records along with current year (2016) passing pump test report is also required.
2. Pre-Payment Option: The following are a couple pre-payment options available:
  - a. 100% Pre-Payment Option: Pay for the unit upfront with a City of South Lyon Purchase order and deduct a total of **\$22,738.56** from the bid total. The total amount to be sent to Pierce would be **\$500,178.44**. A 100% Performance Bond will be provided.
  - b. Chassis Payment Option: Pay for the Chassis upon construction. Pay for the chassis, \$287,127.00 in approximately 4 months after the order is placed and a credit of \$8,613.00 will be provided on the final invoice.
3. A demonstration discount will not be offered.
4. We have provided an alternate bid with a build-to-order Pierce Saber Pumper, not a pre-built stock unit.
5. Pierce HUSKY 3 foam System plumbed to three (3) outlets (both speedlays and front outlet) with auto refill, 20 gallon foam cell (non-reducing water cell) and LED foam level gauge @ **\$8,588.00**.
6. Pierce Hercules Compressed Air Foam System (140 CFM hydraulic driven) to be plumbed to three (3) outlets (both speedlays and front outlet) @ **\$26,468.00**.
7. Foam/CAFS Training: This training is provided by Pierce certified foam/CAFS trainer and will be conducted at The City of South Lyon for three (3) days @ **\$3,590.00**.
8. Generator: To have a Smart Power 8kW generator installed at Halt Fire after delivery, please **deduct \$ 2,100.00** from the bid total. We have installed several generators after delivery. The installation is the same approved procedures at if it was completed at Pierce and warranties are the same, but you save money. Grand Blanc and Brighton are just a couple examples of new Pierce units in which Halt installed the generator after delivery and saving budget money at the same time.

# **AGENDA NOTE**

**New Business: Item # 5**

**MEETING DATE:** July 27, 2015

**PERSON PLACING ITEM ON AGENDA:** Lynne Ladner, City Manager

**AGENDA TOPIC:** Consider resolution authorizing the City as the Act 51 Agency for the joint Safe Routes to School grant in partnership with the South Lyon Community Schools, Lyon Township and the Road Commission of Oakland County.

**EXPLANATION OF TOPIC:** SR2S requires an Act 51 Agency as part of the granting process. The SR2S Committee has requested that the City of South Lyon be the Act 51 Agency.

**MATERIALS ATTACHED AS SUPPORTING DOCUMENTS:** Proposed resolution

**POSSIBLE COURSES OF ACTION:** Approve/Do Not Approve Authorizing the Mayor to Sign the Fiduciary Letter of Commitment

**RECOMMENDATION:** Approve/Do Not Approve resolution authorizing the City as the Act 51 Agency for the joint Safe Routes to School grant in partnership with the South Lyon Community Schools, Lyon Township and the Road Commission of Oakland County.

**SUGGESTED MOTION:** See attached resolution

07/27/15



**CITY OF SOUTH LYON  
OAKLAND COUNTY, MICHIGAN**

**RESOLUTION NO. \_\_-2015**

A RESOLUTION TO ESTABLISH A REQUEST FOR FUNDING,  
DESIGNATE AN AGENT, ATTEST TO THE EXISTENCE OF FUNDS  
TO CARRY OUT VARIOUS INFRASTRUCTURE PROJECTS AND  
COMMIT TO IMPLEMENTING A MAINTENANCE PROGRAM FOR  
INFRASTRUCTURE FUNDED BY THE SAFE ROUTES TO SCHOOL  
PROGRAM

WHEREAS, the Safe Routes to School program, a federally funded program administered in Michigan by the Michigan Department of Transportation (MDOT).

WHEREAS, the City of South Lyon ("City"), in partnership with the South Lyon Community School District, the Charter Township of Lyon and the Road Commission of Oakland County (collectively the "Partnering Entities"), is applying for funds through MDOT from the Safe Routes to School program to construct certain infrastructure projects within the City, including sidewalks, crosswalks and ADA improvements, to enable and encourage children to safely walk and bike to school.

WHEREAS, MDOT requires a formal commitment from the public agency that will be receiving these funds and will be implementing and maintaining these infrastructure projects for the partnering entities.

NOW, THEREFORE, BE IT RESOLVED THAT, the City has authorized Lynne Ladner, South Lyon City Manager, to act as agent on behalf of the partnering entities to request Safe Routes to School funding, to act as the applicant's agent during the project development, and to sign a project agreement upon receipt of a funding award.

BE IT FURTHER RESOLVED THAT, the City, on behalf of the partnering entities, attests to the existence of, and commits to, the funds necessary to carry out the project, including engineering for design and construction, permit fees, administration costs, and cost overruns.

BE IT FURTHER RESOLVED THAT, the City, on behalf of partnering entities, commits to owning operating, funding and implementing a maintenance program over the design life of the facilities constructed with Safe Routes to School funding.

At a regular meeting of the City of South Lyon City Council, a motion was made by Council Member \_\_\_\_\_, supported by Council Member \_\_\_\_\_, to adopt the above resolution.

Ayes:

Nays:

Absent:

RESOLUTION DECLARED [ADOPTED/FAILED] on this \_\_\_\_ day of \_\_\_\_\_, 2015.

#### CERTIFICATION

I certify that this resolution was duly adopted by the City Council of the City of South Lyon on \_\_\_\_\_, \_\_\_, 2015.

Lisa Deaton  
City Clerk  
South Lyon



# **AGENDA NOTE**

**New Business: Item # 6**

**MEETING DATE:** July 27, 2015

**PERSON PLACING ITEM ON AGENDA:** Lynne Ladner, City Manager

**AGENDA TOPIC:** Consider Authorizing the Mayor to Sign the Required Fiduciary Letter of Commitment for the Safe Routes to School Grant

**EXPLANATION OF TOPIC:** Attached is a draft Fiduciary Letter of Commitment for the Safe Routes to School grant.

**MATERIALS ATTACHED AS SUPPORTING DOCUMENTS:** Draft letter

**POSSIBLE COURSES OF ACTION:** Approve/Do Not Approve Authorizing the Mayor to Sign the Fiduciary Letter of Commitment

**RECOMMENDATION:** Approve/Do Not Approve Authorizing the Mayor to Sign the Fiduciary Letter of Commitment

**SUGGESTED MOTION:** Moved by \_\_\_\_\_, seconded by \_\_\_\_\_, to authorize the Mayor to sign the Safe Routes to School Fiduciary Letter of Commitment.

07/27/15

July 23, 2015

Safe Routes to School Office  
Michigan Fitness Foundation  
P.O. Box 27187  
Lansing, MI 48909

To whom it may concern:

The City of South Lyon is committed to serving as the fiduciary organization for the noninfrastructure programming requested in South Lyon Community Schools Safe Routes to School application. We understand that funding for all noninfrastructure activities will be distributed on a cost-reimbursement basis and that:

1. A contract must be in place between a selected applicant (or its designated fiduciary) and the Michigan Fitness Foundation before any expenses are eligible for reimbursement.
2. Reimbursement is initiated by the applicant/fiduciary through a reporting process, which includes a progress report, invoice, personnel expense detail, non-personnel expense detail, and all back-up documentation and receipts.
3. The reimbursement process can take up to 90 days once an accurate reporting packet is submitted.
4. Before the final reimbursement is made, a final progress report must be submitted that addresses intended outcomes, actual outcomes, lessons learned, how others can benefit from your project, and next steps for SR2S.

Please address any questions regarding this commitment to Lynne Ladner, City Manager at City of South Lyon, MI at 248-437-1735, [lladner@southlyonmi.org](mailto:lladner@southlyonmi.org).

Sincerely,

Tedd Wallace  
Mayor  
City of South Lyon



# AGENDA NOTE

New Business Item #: 6

**MEETING DATE:** July 27, 2015

**PERSON PLACING ITEM ON AGENDA:** Robert J. Martin, Department of Public Works

**AGENDA TOPIC:** Purchase of an Xtreme XV6000 Vac Leaf Collector

## **EXPLANATION OF TOPIC:**

For the last 25 years the City has been removing leaves throughout the community each fall and as you know it is a very labor intensive job utilizing 6-8 weeks minimum each season. One of the largest problem is the amount of trees vs. the fact that we only have one (1) vac leaf collector. We try to complete the job (with residential cooperation, upkeep and maintenance) with our one and only 14 year old vac leaf collector.

For this reason, in FY 2015-2016 we have budgeted for the purchase of a second vac leaf collector. This will enable us to have two (2) crews operating at one time and we will be able to complete this job in a timely manner. We have sent out three (3) bid requests and have seen these units firsthand. In FY 2015-2016; \$35,000.00 is currently in this Line Item for the purchase of a new vac leaf collector. After looking at three (3) units, we feel that the Xtreme XV6000 Vac Leaf Collector will meet our needs. The price of this unit is **\$32,910.00**.

I bring this to Council now so we can take delivery of this unit prior to this year's leaf season. Service is available in Auburn Hills, Michigan and the other two (2) quotes are from out of state.

## **MATERIALS ATTACHED AS SUPPORTING DOCUMENTS:**

Quotes and photos from the three (3) vendors and of each unit are attached.

<b>Xtreme XV6000 Vac Leaf Collector</b>	<b>\$32,910.00</b>
Tarco Leaf Loaders	\$35,185.00
Titan Leaf Pro	\$34,004.00

## **POSSIBLE COURSES OF ACTION:**

To approve or not approve the purchase of an Xtreme XV6000 Vac Leaf Collector for the price of **\$32,910.00**.

**RECOMMENDATION:**

To purchase an Xtreme XV6000 Vac Leaf Collector from Bell Equipment Company for the amount of **\$32,910.00**.

<u><b>Xtreme Vac Leaf Collector</b></u>	<u><b>Tarco Leaf Loaders</b></u>	<u><b>Titan Leaf Pro</b></u>
<b>\$32,910.00</b>	<b>\$35,185.00</b>	<b>\$34,004.00</b>

**SUGGESTED MOTION:** Motion by \_\_\_\_\_, supported by \_\_\_\_\_ to approve the purchase of an Xtreme Vac Leaf Collector from Bell Equipment Company for the price of **\$32,910.00**.

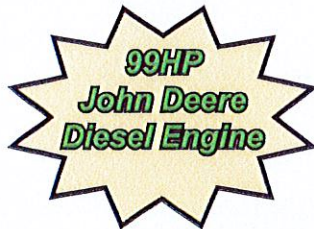


# XV6000

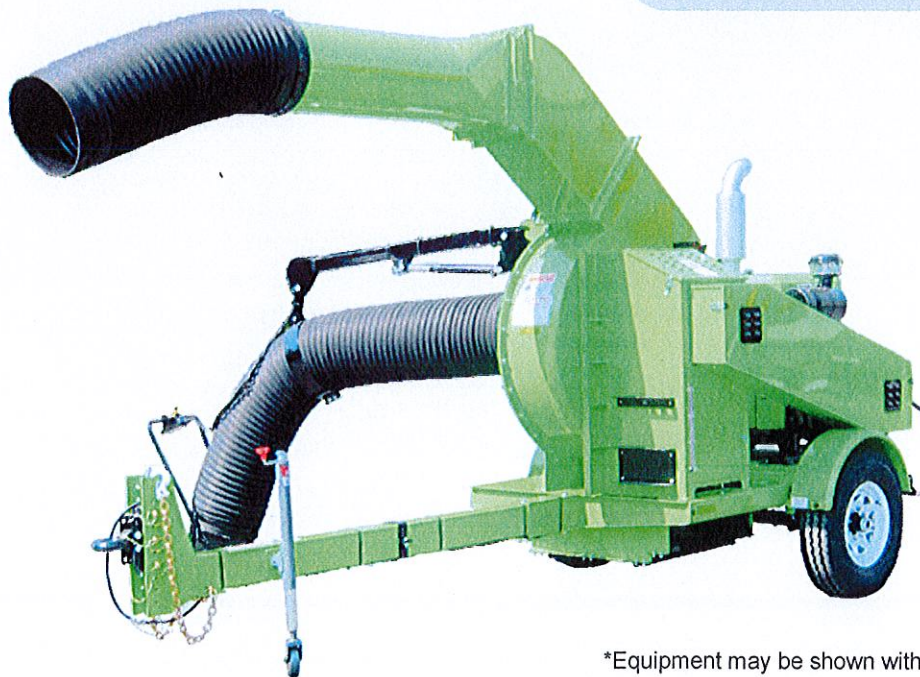
## Belt Driven Leaf Collector



*The Xtreme choice of professional landscapers and municipalities*



- John Deere Diesel Engine  
99HP turbo diesel
- Belt Driven  
prolongs engine and PTO life
- 38" Diameter Impeller  
unsurpassed suction
- Hydraulic Hose Boom  
easier leaf vacuuming



\*Equipment may be shown with add on options and colors.

[www.xtremevac.com](http://www.xtremevac.com)



OLD DOMINION BRUSH CO., INC.  
5118 Glen Alden Drive, Richmond, VA 23231  
1-800-446-9823

PROPOSAL # 06/30/15RT1  
City of South Lyon  
South Lyon, MI

DATE: June 30, 2015  
ATTN: Doug Buers



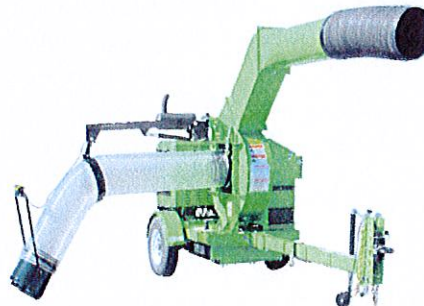
MODEL	DESCRIPTION	MSRP
XV600	32" diameter suction impeller with six 3/8" thick T-1 steel blades 4-groove power band belt drive for suction impeller 16" diameter x 120" urethane suction hose with steel nozzle 16" diameter x 48" long rubber exhaust hose Hydraulic hose boom powered by an electric/hydraulic pump John Deere 4045TF290 diesel 4 cylinder engine rated for 74 HP IT4 13" clutch assembly with a 2.25" diameter PTO shaft 44-gallon polyethylene fuel tank Engine controls with Murphy safety shut down system 1/4" thick trailer deck with channel members on the ends Single 6,000 pound rubber Torflex axle with EZ lube hubs ST225-75-R15 radial tires mounted on steel wheels and steel fenders Electric brakes with break-away actuator LED type DOT lights and aoval LED amber flasher light at rear HD height adjustable pintle eye with three quick release pins Parking jack with 5" swivel castor wheel All components pre-painted prior to assembly - standard color is white	\$ 28,000.00
Options		
	2 axis (up/down & left/right) hose boom with central hydraulics	\$ 5,400.00
	School Bus Yellow paint color other than standard white	\$ 600.00
	Total Equipment Cost:	\$ 34,000.00
	NJPA 7% Discount:	\$ (2,380.00)
	NET Equipment Cost:	\$ 31,620.00
	Transportation cost from Richmond, VA at \$2/mile 645	\$ 1,290.00
	<b>TOTAL DELIVERED COST PER UNIT:</b>	<b>\$ 32,910.00</b>

Lead-time is approximately 60 days ARO



Contract #060612-ODB

MAKE PURCHASE ORDER OUT TO:  
BELL EQUIPMENT  
78 NORTH POINTE DRIVE  
LAKE ORION, MI 48359



Thank you, *Rick Timmerman*



SPECIFICATIONS			THE WINDY SERIES	
Model	Windy 100	Windy 400		
Air Handling Capacity	16,000 - 22,000 CFM	24,600 CFM		
Suction Housing (10 Gauge)	1/4" Thick A.R. Steel Replaceable Liners	1/4" Thick A.R. Steel Replaceable Liners		
Suction Impeller	30" or 33" Diameter Fan T-1 Steel Construction 6 Blades - 3/8" T1 3/16" Convex Back Plate	36" Diameter Fan T-1 Steel Construction 6 Blades - 3/8" T1 3/16" Convex Back Plate		
Suction Case Size	47" Diameter 46" High & 14" Wide	56" Diameter 53" High & 16" Wide		
Power Transmission	48 Grip Notched Power Band	5V Grip Notched Power Band		
Hydraulic Hose Boom	2-Way (Standard) 4-Way	2-Way (Standard) 4-Way		
Trailer Lighting Package	Standard	Standard		
John Deere Diesel Engine	4045T: 80 HP @ 2500 rpm	4045T: 99 HP @ 2500 rpm		
Hose Size	16" Diameter	16" Diameter		
Paint Colors	Yellow or White (Standard) Special Paint (Optional)	Yellow or White (Standard) Special Paint (Optional)		

Other sizes and dimensions are available, please consult with your TARCO® representative.

Distributed By:

Manufactured By:



678 Wilbur Ave.  
Greenwich, New York 12834  
Phone: 518-584-4400 | Fax: 518-584-6630  
Email: info@FMFAB3.com  
www.FMFAB3.com



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# TARCO®

INDUSTRIAL | COMMERCIAL | MUNICIPAL  
LEAF LOADERS

**FORT MILLER FAB3**

**WINDY SERIES**

Trailer mounted vacuum leaf loaders  
outfitted for your seasonal needs.

## THE WINDY SERIES

518-584-4400 [www.FMFAB3.com](http://www.FMFAB3.com)



# BROWN EQUIPMENT CO., INC.

P.O. Box 9799  
Fort Wayne, IN 46899-9799  
PH: 800-747-2312 FX:260-478-1475  
www.brownequipment.net  
doug@brownequipment.net

Mr. Doug Buers  
Public Works  
South Lyon, MI  
dbuerssouthlyon@hotmail.com

## Sales Quotation

Quote Number: 000060615SL

Date 7/6/2015  
Quote Expires on:  
10/4/2015

Salesperson  
Scott Brown

Part #	Description	Cost	Qty	Extend
	<b>TARCO Windy 100 Leaf Loader</b> Curb Side Pickup 45 Degree Discharge Angle with Flexible 16" Dia. Discharge Hose Replaceable Slip-in Liners, 1/4" abrasion resistant steel Clean-out Door w/safety switch 33" Diameter Impellor with 3/8" T-1 steel blades 4B Grip Notched Power Band Belt Drive HD 16" x 8' Pick-up Hose w/16" steel nozzle Suction Hose w/quick disconnect John Deere 4045T Tier III Diesel Engine, 80 hp Radiator Screen 13" Industrial Spring Loaded Auto-Clutch 12V Battery 30 Gallon Fuel Tank w/sight gauge Rubber Mounted Tachometer, Hourmeter, Ammeter, Oil Pressure and Temperature Gauge Engine Safety Shutdowns (Oil & Temp) Electric/Hydraulic Four Way Hose Boom Electric Brakes Fenders Telescopic Trailer Tongue Manual Parking Jack w/5" castor wheel DOT Lighting, Red/White Reflective Tape Two 4" dia. Amber Flashing Lights Rake and Tool Rake Yellow  F.O.B.: South Lyon, MI			\$35,185.00

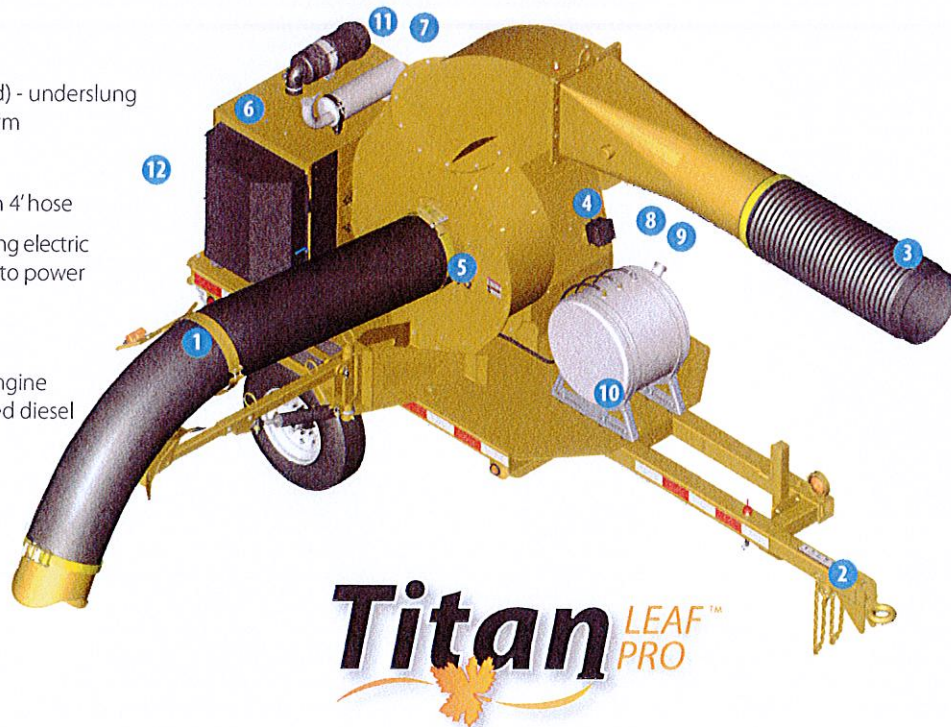
Sub-Total	\$35,185.00
Tax	
Total	\$35,185.00

LV-10000

## TITAN LEAF PRO - STANDARD MODEL

### STANDARD FEATURES

- 1 Manual pickup (right hand) - underslung collection hose support arm
- 2 Manual jack
- 3 Rigid discharge snout with 4' hose
- 4 Single function double acting electric over hydraulic power unit to power pickup arm up and down
- 5 30" fan
- 6 84 H.P. Kubota® 3620 CC Engine turbo charged liquid cooled diesel engine
- 7 8" engine sheave
- 8 8.5" fan sheave
- 9 123" belt set (5)
- 10 35 gallon aluminum fuel tank with built in gauge
- 11 NACD hand clutch
- 12 Radiator Screen



**Titan** LEAF PRO

UNIT SHALL ALSO COME STANDARD WITH 16" DIAMETER SUCTION AND DISCHARGE HOSE, SAFETY INTERLOCK DEVICE, PINTLE LOOP HITCH, SAFETY CHAINS, TRAILER PLUG, ADJUSTABLE TONGUE, 7000 LB AXLE ASSEMBLY INCLUDING TRAILER BRAKES WITH DEDICATED BATTERY FOR BREAK AWAY SYSTEM, NATIONAL ASSOCIATION OF TRAILER MANUFACTURERS CERTIFICATION, 102" WIDE TOWING WIDTH. ONE YEAR STANDARD MANUFACTURERS WARRANTY.

Prices are F.O.B. Dixon, Illinois - Prices and specifications are subject to change without notice.  
TITAN LEAF SOLUTIONS manufactured by Bonnell Industries, Inc. | Toll Free 800.851.9664 | [www.titanleafpro.com](http://www.titanleafpro.com)



3901 3 Mile Rd NW  
Grand Rapids, MI 49534  
www.fredricksonsupply.com



# Quote

Date: 7/8/2015

To: City of South Lyon  
Attn: Doug Buers  
520 Ada Street

Ship to: SAME

Qty	Item #	Description	Price
1.00		<b>Titan Leaf Pro + with the following features and options:</b>	
		Dual safety interlock sytem on intake nozzle and belt guard	
		16" diameter pickup hose with 3-function huydraulically controlled pickup arm	
		Manual jack	
		16" diameter rigid discharge snout with 4' hose	
		Single function double acting electric controls for arm	
		32" fan with 5 belt drive system	
		99 H.P. John Deere 4045T engine	
		8" engine sheave	
		8.5" fan sheave	
		50 gallon aluminum fuel tank with a built in gauge	
		NACD hand clutch	
		14,000-pound 3" adjustable pintle eye with safety chains	
		DOT compliant lighting and markings	
		12-volt battery with electrical system and battery drain protector	
		7,000-pound axle with electric trailer brakes	
		<b>Total</b>	\$34,004.00
		<b>OPTION:</b>	
		Proportional joystick controller without seat	<b>Add</b> \$12,237.00
		Wireless proportional control without seat	<b>Add</b> \$2,058.00

Pricing includes all PDI charges, freight, and delivery to above location.

PREPARED BY:

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John Maurer  
810-701-7490  
[john@fredricksonsupply.com](mailto:john@fredricksonsupply.com)

APPROVED BY:

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# AGENDA NOTE

New Business Item #: 7

**MEETING DATE:** July 27, 2015

**PERSON PLACING ITEM ON AGENDA:** Robert J. Martin, Department of Public Works

**AGENDA TOPIC:** Purchase of a 2016 DPW Salt/Plow Dump Truck

## **EXPLANATION OF TOPIC:**

In 2013 a large dump truck (T-10) was removed from the fleet after 20 years of service. This unit was sold on the Michigan Inter-governmental Trade Network (MITN) in 2014. In FY 2015-2016 we have budgeted for a replacement of this vehicle. These trucks are used not only for plowing and salting of City streets, but for hauling of leaf vacuums, dirt, leaf hauling, sweeping debris hauled to the dump and many more jobs. We usually secure three (3) separate bids for large items purchased. In place of this process, we used the MITN bidding system in which the bidding is already completed through the cooperative. Wolverine Freightliner received the bid.

Item #1 is the Rochester Hills Municipal acting on behalf of the Cooperative and a list of 28 communities that are members.

## **MATERIALS ATTACHED AS SUPPORTING DOCUMENTS:**

This quote contains two (2) parts the cab and chassis. The bid from Wolverine Freightliner includes all the specifications the City needs for an efficient plow truck that is used throughout the year for the price of **\$85,456.00**. See attached Items #2 and #3 for the cab and chassis bid.

We need to outfit the truck with snow plow equipment, lights and a box. This will be done through Knapheide Truck Equipment for the price of **\$78,525.00**. See attached Item #4 for the for the snowplow equipment bid.

In FY 2015-2016 the department budgeted \$165,000 for a salt/plow truck. The total cost of this vehicle is **\$163,981.00**.

We did seek another bid and found a demo through Heights Machinery for the amount of \$169,258.00 (this price is higher than our bid by **\$4,258.00**).

## **POSSIBLE COURSES OF ACTION:**

To approve or not approve the purchase of a 2016 DPW Salt/Plow Dump Truck from Wolverine Freightliner and equip the vehicle with snow plowing equipment, lights and a box from Knapheide Truck Equipment.



**RECOMMENDATION:**

To purchase a 2016 DPW Salt/Plow Dump Truck from Wolverine Freightliner for the price of **\$85,456.00** and equip the vehicle with snow plowing equipment, lights and a box from Knapheide Truck Equipment for the price of **\$78,525.00** for a total vehicle cost of **\$163,981.00**.

**SUGGESTED MOTION:** Motion by \_\_\_\_\_, supported by \_\_\_\_\_ to approve the purchase of a cab and chassis from Wolverine Freight Liner and equip it with attachments from Knapheide Truck Equipment for a total cost of **\$163,981.00**.



ITEM #1



107 S. Groesbeck • Mt. Clemens, MI 48043 • (586) 783-2444 FAX (586) 469-8054

## **ROCHESTER HILLS MUNICIPAL COOPERATIVE MEMBER LIST**

The Cooperative came into existence October 2013. The City of Rochester Hills acting on behalf of the Cooperative's original (9) Members entered into a contractual agreement with Wolverine Freightliner – Eastside. Wolverine is to provide truck cab & chassis's per the requested specifications under the agreed upon terms and conditions of the agreement.

Following are Agencies who are Members of the Cooperative as of June 30 2015 –

- |                                 |                           |
|---------------------------------|---------------------------|
| 1) City of Rochester Hills      | 26) Oakland University    |
| 2) City of Troy                 | 27) City of New Baltimore |
| 3) City of Farmington Hills     | 28) City of Ferndale      |
| 4) City of Warren               |                           |
| 5) City of Auburn Hills         |                           |
| 6) City of Midland              |                           |
| 7) City of Madison Heights      |                           |
| 8) City of St Clair Shores      |                           |
| 9) City of Rochester            |                           |
| 10) City of Huntington Woods    |                           |
| 11) City of Dearborn            |                           |
| 12) City of Southfield          |                           |
| 13) City of Ypsilanti           |                           |
| 14) Township of Clinton         |                           |
| 15) City of Farmington          |                           |
| 16) City of Livonia             |                           |
| 17) City of Dearborn Heights    |                           |
| 18) City of Royal Oak           |                           |
| 19) City of Bloomfield Hills    |                           |
| 20) Township of Canton          |                           |
| 21) City of Grosse Pointe Farms |                           |
| 22) City of Roseville           |                           |
| 23) City of Ann Arbor           |                           |
| 24) City of Wixom               |                           |
| 25) Township of Huron           |                           |

Ken Malkowski  
Government Sales Manager





107 S. Groesbeck • Mt. Clemens, MI 48043 • (586) 783-2444 FAX (586) 469-8054

July 7, 2015

City of South Lyon  
RE: RH Co-op Truck Pricing

Attn: Mr. Bob Martin,

Following is Freightliner Chassis pricing information as per your request.  
Pricing and conditions are as per the Rochester Hills Co-op Award Agreement.  
Please reference RFP-RH-13-30 dated 8/8/13 and all related documents.

SINGLE AXLE 39,000# GVW CHASSIS

Truck Chassis.....	\$83,114.00
2015 Model Year.....	750.00
2016 Model Year.....	1,200.00
Yellow SS Cab.....	N/C
Coolant Filter.....	89.00
Delete Hood Hatches.....	< 361.00 >
Drivers Seat, (3) Chamber.....	134.00
Diff Lock.....	<u>530.00</u>

TOTAL: \$85,456.00

Ken Malkowski  
Government Sales Manager

Prepared for:  
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Prepared by:  
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 Phone: 313-849-0800

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

Data Code	Description	Weight Front	Weight Rear
<b>Price Level</b>			
PRL-05D	SD PRL-05D (EFF:03/8/13)		
<b>Data Version</b>			
DRL-001	SPECPRO21 DATA RELEASE VER 001		
<b>Vehicle Configuration</b>			
001-176	108SD CONVENTIONAL CHASSIS	6,920	3,770
004-214	2014 MODEL YEAR SPECIFIED		
002-004	SET BACK AXLE - TRUCK		
019-002	STRAIGHT TRUCK PROVISION		
003-001	LH PRIMARY STEERING LOCATION		
<b>General Service</b>			
AA1-002	TRUCK CONFIGURATION		
AA6-002	DOMICILED, USA (EXCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
A85-010	UTILITY/REPAIR/MAINTENANCE SERVICE		
A84-1GM	GOVERNMENT BUSINESS SEGMENT		
AA4-010	DIRT/SAND/ROCK COMMODITY		
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS		
AB1-008	MAXIMUM 8% EXPECTED GRADE		
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE		
995-1A0	FREIGHTLINER SD VOCATIONAL WARRANTY		
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 16000.0 lbs		
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 23000.0 lbs		
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 39000.0 lbs		





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Data Code	Description	Weight Front	Weight Rear
<b>Truck Service</b>			
AA3-073	BELLY PLOW BODY WITH HIGH GROUND CLEARANCE		
<b>Engine</b>			
101-2XE	CUM ISL 300 HP @ 2000 RPM, 2200 GOV RPM, 860 LB/FT @ 1300 RPM		
<b>Electronic Parameters</b>			
79A-075	75 MPH ROAD SPEED LIMIT		
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT		
79K-007	PTO MODE ENGINE RPM LIMIT - 1100 RPM		
79P-002	PTO RPM WITH CRUISE SET SWITCH - 700 RPM		
79Q-003	PTO RPM WITH CRUISE RESUME SWITCH - 800 RPM		
79S-001	PTO MODE CANCEL VEHICLE SPEED - 5 MPH		
79U-007	PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND		
80G-002	PTO MINIMUM RPM - 700		
80J-002	REGEN INHIBIT SPEED THRESHOLD - 5 MPH		
<b>Engine Equipment</b>			
99C-013	2013 ONBOARD DIAGNOSTICS/2010 EPA/CARB/GHG14		
99D-010	NO 2008 CARB EMISSION CERTIFICATION		
13E-001	STANDARD OIL PAN		
105-015	OIL FILL AND DIPSTICK LOCATED FOR ENHANCED SERVICEABILITY		
014-099	SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER		
124-1D7	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE		
292-1D7	(3) ALLIANCE MODEL 1131, GROUP 31, 12 VOLT MAINTENANCE FREE 2850 CCA THREADED STUD BATTERIES		
290-017	BATTERY BOX FRAME MOUNTED		
281-001	STANDARD BATTERY JUMPERS		
282-006	BATTERY BOX FRAME MOUNTED LH SIDE 60 INCHES AFT OF CAB		
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		



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Data Code	Description	Weight Front	Weight Rear
289-011	NON-POLISHED BATTERY BOX COVER WITH 3/16 INCH TETHER ON FORWARD SIDE OF COVER/BOX		
293-058	POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT	8	
295-029	POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER	2	
107-032	CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE		
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM		
016-1C0	RH OUTBOARD FRAME MOUNTED VERTICAL AFTERTREATMENT SYSTEM ASSEMBLY WITH TOPSTACK	65	65
28F-002	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH		
239-026	10 FOOT 06 INCH (126 INCH+0/-5 INCH) EXHAUST SYSTEM HEIGHT		
237-1CU	RH CURVED TOPSTACK		
23U-001	6 GALLON DIESEL EXHAUST FLUID TANK	-40	-20
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL		
23Y-002	DIESEL EXHAUST FLUID PUMP MOUNTED AFT OF DIESEL EXHAUST FLUID TANK		
43X-003	LH FORWARD FACE OF DIESEL EXHAUST FLUID TANK 24 TO 28 INCHES BACK OF CAB		
43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP		
242-001	STAINLESS STEEL AFTERTREATMENT DEVICE/MUFFLER/TAILOPIPE SHIELD		
273-018	HORTON DRIVEMASTER ON/OFF FAN DRIVE		
276-002	AUTOMATIC FAN CONTROL WITH DASH SWITCH AND INDICATOR LIGHT, NON ENGINE MOUNTED		
110-003	CUMMINS SPIN ON FUEL FILTER		
118-008	COMBINATION FULL FLOW/BYPASS OIL FILTER		
266-028	1200 SQUARE INCH ALUMINUM RADIATOR		
103-004	ANTIFREEZE TO -34F, NOAT EXTENDED LIFE COOLANT		
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT		
172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES		



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Data Code	Description	Weight Front	Weight Rear
270-016	RADIATOR DRAIN VALVE		
360-016	1310 ADAPTER FLANGE FOR FRONT PTO PROVISION	10	
132-004	ELECTRIC GRID AIR INTAKE WARMER		
155-058	DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC SWITCH		
<b>Transmission</b>			
342-582	ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	-110	-35
<b>Transmission Equipment</b>			
343-339	ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV		
84B-012	ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES		
84C-022	PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 5, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
84D-022	SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 5, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
353-022	VEHICLE INTERFACE WIRING WITH BODY BUILDER CONNECTOR MOUNTED BACK OF CAB		
34C-001	ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR FIREWALL MOUNTED		
341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN		
345-003	PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED		
97G-005	TRANSMISSION PROGNOSTICS - DISABLED 2013		
370-015	WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK		
346-003	TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK		
35T-001	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)		
<b>Front Axle and Equipment</b>			
400-1AA	MFS-16-143A 16,000# FL1 SINGLE FRONT AXLE	240	
402-030	MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		

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Data Code	Description	Weight Front	Weight Rear
403-002	NON-ASBESTOS FRONT BRAKE LINING		
419-023	CONMET CAST IRON FRONT BRAKE DRUMS		
427-001	FRONT BRAKE DUST SHIELDS	5	
409-021	SKF SCOTSEAL PLUS XL FRONT OIL SEALS		
408-001	VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL		
416-022	STANDARD SPINDLE NUTS FOR ALL AXLES		
405-003	HALDEX AUTOMATIC FRONT SLACK ADJUSTERS		
406-001	STANDARD KING PIN BUSHINGS		
536-012	TRW TAS-85 POWER STEERING	40	
539-003	POWER STEERING PUMP		
534-015	2 QUART SEE THROUGH POWER STEERING RESERVOIR		
533-001	OIL/AIR POWER STEERING COOLER	5	
40T-002	SYNTHETIC 75W-90 FRONT AXLE LUBE		
<b>Front Suspension</b>			
620-004	16,000# FLAT LEAF FRONT SUSPENSION	260	
619-004	GRAPHITE BRONZE BUSHINGS WITH SEALS - FRONT SUSPENSION		
410-001	FRONT SHOCK ABSORBERS		
<b>Rear Axle and Equipment</b>			
420-051	RS-23-160 23,000# R-SERIES SINGLE REAR AXLE		180
421-614	6.14 REAR AXLE RATIO		
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		
386-074	MXL 176T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES		
423-020	MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
433-002	NON-ASBESTOS REAR BRAKE LINING		
434-003	STANDARD BRAKE CHAMBER LOCATION		
451-023	CONMET CAST IRON REAR BRAKE DRUMS		
425-002	REAR BRAKE DUST SHIELDS		5
440-021	SKF SCOTSEAL PLUS XL REAR OIL SEALS		
426-056	HALDEX LIFESEAL LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS WITH ORANGE ALERT		
428-003	HALDEX AUTOMATIC REAR SLACK ADJUSTERS		



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Data Code	Description	Weight Front	Weight Rear
41T-002	SYNTHETIC 75W-90 REAR AXLE LUBE		
<b>Rear Suspension</b>			
622-1H0	HENDRICKSON PRIMAAX EX 23,000# REAR AIR SUSPENSION		160
621-125	HENDRICKSON PRIMAAX 10.00" RIDE HEIGHT		
431-003	AXLE CLAMPING GROUP		
888-047	MANUAL DUMP VALVE FOR AIR SUSPENSION WITHOUT GAUGE		
87D-006	INDICATOR LIGHT FOR EACH REAR SUSPENSION CONTROL SWITCH		
910-004	DUAL AIR REAR SUSPENSION LEVELING VALVES		
623-002	TRANSVERSE CONTROL RODS		
439-004	REAR SHOCK ABSORBERS - ONE AXLE (AIR RIDE SUSPENSION)		
<b>Brake System</b>			
490-100	WABCO 4S/4M ABS WITHOUT TRACTION CONTROL		
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES		
904-001	FIBER BRAID PARKING BRAKE HOSE		
412-001	STANDARD BRAKE SYSTEM VALVES		
46D-002	STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM		
413-002	STD U.S. FRONT BRAKE VALVE		
432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE		
480-083	WABCO SS-1200 PLUS AIR DRYER WITH INTEGRAL AIR GOVERNOR AND HEATER		
479-015	AIR DRYER FRAME MOUNTED		
460-1AE	STEEL AIR TANKS MOUNTED FOR MAX GROUND CLEARANCE, (BELLY PLOW - AA3-073)		
477-004	PULL CABLES ON ALL AIR RESERVOIR(S)		
<b>Trailer Connections</b>			
335-004	UPGRADED CHASSIS MULTIPLEXING UNIT		
<b>Wheelbase &amp; Frame</b>			
545-442	4425MM (174 INCH) WHEELBASE		
546-102	7/16X3-9/16X11-1/8 INCH STEEL FRAME (11.11MMX282.6MM/0.437X11.13 INCH) 120KSI	240	130
548-803	BODY COMPANY INSTALLED ADDITIONAL FRONT FRAME REINFORCEMENT FOR SNOW PLOW		

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Data Code	Description	Weight Front	Weight Rear
552-030	1600MM (63 INCH) REAR FRAME OVERHANG		
55W-006	FRAME OVERHANG RANGE: 61 INCH TO 70 INCH	-20	60
549-002	24 INCH INTEGRAL FRONT FRAME EXTENSION	140	-20
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 108.45 in		
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 105.45 in		
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 302.16		
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE : 108.45 in		
FSS-0LH	FRAME SPACE LH SIDE : 64.75 in		
FSS-0RH	FRAME SPACE RH SIDE : 124.65 in		
553-001	SQUARE END OF FRAME		
587-003	REAR TOW HOOKS		10
550-001	FRONT CLOSING CROSSMEMBER		
559-003	LIGHTWEIGHT HEAVY DUTY ALUMINUM ENGINE CROSSMEMBER	-12	
562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)		
572-001	STANDARD REARMOST CROSSMEMBER		
565-002	HEAVY DUTY SUSPENSION CROSSMEMBER		30
<b>Chassis Equipment</b>			
556-997	OMIT FRONT BUMPER, CUSTOMER INSTALLED SPECIAL BUMPER, DOES NOT COMPLY WITH FMCSR 393.203	-110	
558-001	FRONT TOW HOOKS - FRAME MOUNTED	15	
551-002	HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS		
<b>Fuel Tanks</b>			
204-192	50 GALLON/189 LITER RECTANGULAR ALUMINUM FUEL TANK - LH		
218-005	RECTANGULAR FUEL TANK(S)		
215-005	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS		
212-011	FUEL TANK(S) FORWARD - RAISED MOUNTING		
664-001	PLAIN STEP FINISH		
205-001	FUEL TANK CAP(S)		
122-077	ALLIANCE FUEL FILTER/WATER SEPARATOR WITH HEATED BOWL AND PRIMER PUMP		
216-020	EQUIFLO INBOARD FUEL SYSTEM		



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 Ken Malkowski  
 WOLVERINE FREIGHTLINER  
 107 SOUTH GROESBECK  
 HIGHWAY  
 MOUNT CLEMENS, MI 48043  
 Phone: 313-849-0800

Data Code	Description	Weight Front	Weight Rear
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		
<b>Tires</b>			
093-1R8	GOODYEAR G289 WHA 315/80R22.5 20 PLY RADIAL FRONT TIRES	86	
094-1KR	GOODYEAR G282 MSD 11R22.5 16 PLY RADIAL REAR TIRES		92
529-998	TIRE QTY - PUSHER AXLE: 0		
530-998	TIRE QTY - TAG AXLE: 0		
<b>Hubs</b>			
418-045	CONMET PRE-SET BEARING IRON FRONT HUBS		
450-045	CONMET PRE-SET BEARING IRON REAR HUBS		
<b>Wheels</b>			
502-579	MAXION WHEELS 10041 22.5X9.00 10-HUB PILOT 5.25 INSET 5-HAND STEEL DISC FRONT WHEELS	50	
505-545	MAXION WHEELS 90260 22.5X8.25 10-HUB PILOT 2-HAND HD STEEL DISC REAR WHEELS		48
<b>Cab Exterior</b>			
829-1A5	108 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB		
650-008	AIR CAB MOUNTS		
648-002	NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE		
754-017	BOLT-ON MOLDED FLEXIBLE FENDER EXTENSIONS	10	
678-001	LH AND RH GRAB HANDLES		
646-041	STATIONARY BLACK GRILLE		
65X-004	BLACK HOOD MOUNTED AIR INTAKE GRILLE		
644-006	FIBERGLASS HOOD WITH ACCESS HATCHES	10	
690-002	TUNNEL/FIREWALL LINER		
727-066	DUAL 26 INCH RECTANGULAR POLISHED ALUMINUM AIR HORNS ROOF MOUNTED	4	
726-001	SINGLE ELECTRIC HORN		
728-002	DUAL HORN SHIELDS		
657-1CV	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME WITH (4) KEYS		
575-001	REAR LICENSE PLATE MOUNT END OF FRAME		
312-068	HALOGEN COMPOSITE HEADLAMPS WITH BLACK BEZELS		

Prepared for:  
 Lisa Cummins  
 City of Rochester Hills  
 1000 Rochester Hills Driv  
 Rochester, MI 48309  
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Data Code	Description	Weight Front	Weight Rear
302-074	SMALL LED AERODYNAMIC MARKER LIGHTS WITH OUTER (2) WIRED TO BATTERY DISCONNECT SWITCH		
294-1A4	INTEGRAL LED STOP/TAIL WITH INCANDESCENT BACKUP LIGHTS		
300-015	STANDARD FRONT TURN SIGNAL LAMPS		
744-1BC	DUAL WEST COAST BRIGHT FINISH HEATED MIRRORS WITH LH AND RH REMOTE		
797-001	DOOR MOUNTED MIRRORS		
796-001	102 INCH EQUIPMENT WIDTH		
743-204	LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS		
729-001	STANDARD SIDE/REAR REFLECTORS		
677-062	FIXED CAB MOUNTED STEPS LH AND RH FOR CAB ENTRY, BELLY PLOW BODY WITH HIGH GROUND CLEARANCE DOES NOT COMPLY FMCSR 399		
768-043	63X14 INCH TINTED REAR WINDOW		
661-004	TINTED DOOR GLASS LH AND RH WITH TINTED OPERATING WING WINDOWS		
654-003	MANUAL DOOR WINDOW REGULATORS		
663-029	1-PIECE TINTED CURVED BONDED WINDSHIELD WITH HEATED WIPER BLADE PARK AREAS		
659-021	2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, FRAME MOUNTED, WITH REMOTE FILL		
<b>Cab Interior</b>			
707-1AK	OPAL GRAY VINYL INTERIOR		
055-002	INTERIOR CONVENIENCE PACKAGE		
706-016	MOLDED DOOR PANEL WITH UPPER VINYL INSERTS		
708-016	MOLDED DOOR PANEL WITH UPPER VINYL INSERTS		
772-006	BLACK MATS WITH SINGLE INSULATION		
785-004	DASH MOUNTED ASH TRAY(S) WITHOUT LIGHTER		
691-014	FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS AND ADDITIONAL CENTER COMPARTMENT WITHOUT NETTING		
696-012	CENTER STORAGE CONSOLE MOUNTED ON BACKWALL	20	
742-007	(2) CUP HOLDERS LH AND RH DASH		



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Data Code	Description	Weight Front	Weight Rear
680-007	GRAY/CHARCOAL WING DASH		
860-004	SMART SWITCH EXPANSION MODULE		
700-002	HEATER, DEFROSTER AND AIR CONDITIONER	70	
701-001	STANDARD HVAC DUCTING		
703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH		
170-015	STANDARD HEATER PLUMBING		
130-033	DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR		
702-002	BINARY CONTROL, R-134A		
739-033	STANDARD INSULATION		
285-013	SOLID-STATE CIRCUIT PROTECTION AND FUSES		
280-007	12V NEGATIVE GROUND ELECTRICAL SYSTEM		
324-011	DOME DOOR ACTIVATED LH AND RH, DUAL READING LIGHTS, FORWARD CAB ROOF		
655-001	CAB DOOR LATCHES WITH MANUAL DOOR LOCKS		
284-023	(1) 12 VOLT POWER SUPPLY IN DASH		
756-1J3	BASIC HIGH BACK AIR SUSPENSION DRIVER SEAT WITH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION	30	
760-1DC	BASIC HIGH BACK NON SUSPENSION PASSENGER SEAT		
711-004	LH AND RH INTEGRAL DOOR PANEL ARMRESTS		
758-025	GRAY MORDURA CLOTH DRIVER SEAT COVER		
761-025	GRAY MORDURA CLOTH PASSENGER SEAT COVER		
763-012	3 POINT HIGH VISIBILITY ORANGE RETRACTOR DRIVER AND PASSENGER SEAT BELTS		
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN	10	
540-015	4-SPOKE 18 INCH (450MM) STEERING WHEEL		
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS		

#### Instruments & Controls

732-003	WOODGRAIN DRIVER INSTRUMENT PANEL
734-003	WOODGRAIN CENTER INSTRUMENT PANEL
68J-998	NO SWITCH BLANK - INSTRUMENT PANEL
870-001	BLACK GAUGE BEZELS
486-001	LOW AIR PRESSURE LIGHT AND BUZZER

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Data Code	Description	Weight Front	Weight Rear
840-002	2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES		
198-003	DASH MOUNTED AIR RESTRICTION INDICATOR WITH GRADUATIONS		
149-017	ELECTRONIC CRUISE CONTROL WITH SWITCHES ON AUXILIARY GAUGE PANEL (B DASH PANEL)		
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY		
811-011	ODOMETER/TRIP/HOUR/DIAGNOSTIC/VOLTAGE DISPLAY: 1X7 CHARACTER, 26 WARNING LAMPS, DATA LINKED, ICU3		
160-025	DIAGNOSTIC INTERFACE CONNECTOR, 9 PIN, SAE J1939, LOCATED BELOW DASH		
844-001	2 INCH ELECTRIC FUEL GAUGE		
148-003	PROGRAMMABLE RPM CONTROL - ELECTRONIC ENGINE		
33U-998	NO CUSTOMER DEFINED WIRING FUNCTION		
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE		
864-005	TRANSMISSION OIL TEMPERATURE INDICATOR LIGHT		
830-017	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY		
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE		
35M-998	NO WRG-BDY MULTIPLEX EXPNSN UNIT		
746-1A2	AM/FM/WB RADIO WITH FRONT AUXILIARY INPUT	10	
747-001	DASH MOUNTED RADIO		
750-002	(2) RADIO SPEAKERS IN CAB		
753-001	AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF	2	
810-027	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER		
812-001	ELECTRONIC 3000 RPM TACHOMETER		
162-002	IGNITION SWITCH CONTROLLED ENGINE STOP		
329-091	(6) IGN CONTROLLED EXTRA SWITCHES WITH IND LIGHTS WIRED TO POWER DIST BOX WITH RELAYS PROVIDING 20 AMPS PER CIRCUIT TO JUNCTION BLOCK AND 1 CIRCUIT AT 30 AMPS		
44R-998	NO ON/OFF LATCHING SMARTPLEX SWITCH		
44S-998	NO ON/OFF MOMENTARY SMARTPLEX SWITCH		
44T-998	NO ON/OFF/ON LATCHING SMARTPLEX SWITCH		





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Data Code	Description	Weight Front	Weight Rear
44U-998	NO ON/OFF/ON MOMENTARY SMARTPLEX SWITCH		
44V-998	NO PRE-DEFINED SMARTPLEX INDICATOR LAMPS		
44W-998	NO UNDEFINED SMARTPLEX INDICATOR LAMPS		
836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY		
660-008	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY		
304-039	MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH AND DUAL CONNECTORS AND SWITCH FOR CUSTOMER FURNISHED SNOW PLOW LIGHTS, LOW BEAMS OFF WITH HIGH BEAMS		
882-009	ONE VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR		
299-013	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE		
298-039	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS		

#### Design

065-000 PAINT: ONE SOLID COLOR

#### Color

980-5F6 CAB COLOR A: L0006EB WHITE ELITE BC  
 986-020 BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT  
 962-962 MAXION WHEELS W POWDER WHITE (N0006EA) FRONT WHEELS/RIMS  
 966-962 MAXION WHEELS W POWDER WHITE (N0006EA) REAR WHEELS/RIMS

#### Certification / Compliance

996-001 U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS

#### Secondary Factory Options

99B-998 NO MODIFICATION CENTER SHIPPING INSTRUCTIONS

### TOTAL VEHICLE SUMMARY

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### Weight Summary

	Weight Front	Weight Rear	Total Weight
Factory Weight <sup>+</sup>	7960 lbs	4475 lbs	12435 lbs
Dealer Installed Options	0 lbs	0 lbs	0 lbs
Total Weight <sup>+</sup>	7960 lbs	4475 lbs	12435 lbs

### Extended Warranty

WAG-053 TOWING EXTENDED/ROADSIDE SERVICE WARRANTY, 2  
 YEAR/UNLIMITED MILES/KM, \$550 CAP

### Dealer Installed Options

		Weight Front	Weight Rear
1	CUMMINS ENGINE ESC 5 YEAR - 100,000 MILE WITH ATS	0	0
2	ALLISON TRANS ESC 5 YEAR - UNLIMITED MILES	0	0
Total Dealer Installed Options		0 lbs	0 lbs

(+) Weights shown are estimates only.

If weight is critical, contact Customer Application Engineering.





Item # 4

**KNAPHEIDE TRUCK EQUIPMENT**

**1200 South Averill Avenue \* FLINT, MI 48503 \* 800-589-9100 \* FAX 855-629-4643**

**\*\*\*\*\* Quality for over 50 years \*\*\*\*\***

**June 11, 2015**

**City of South Lyon DPW  
520 ada st.  
South Lyon , Michigan 48178**

**Attention: Doug Buers Phone: 248-437-4006 Fax: 248-437-0449**

PO#:	Salesman:	Terms: NET 30 DAYS	VIN:
Truck Year:	Make:	Model: single axle	C/A: 108"
Chassis Available:	Delivery Promise:	FOB: CUSTOMER	

**QUOTATION**

**FURNISH AND INSTALL THE FOLLOWING EQUIPMENT TO THE CITY OF SOUTH LYON PUBLISHED SPECIFICATIONS "SIX YARD DUMP TRUCK":**

**HENDERSON MARK-E** cross-memberless type dump body.

**DIMENSIONS**

Capacity to be 6.5-8.2 cubic yards.  
Inside length of 10 feet.  
Inside width to be 84"  
Side height of 30 inches.  
Tailgate height of 38 inches.  
Headsheet height of 48 inches.

**SIDES & HEADSHEET**

Sides, front, and tailgate to be constructed from 409 stainless steel.  
One-piece sides & headsheet to be 7 ga.  
Side panels must wrap under floor 9-1/2" for added strength.  
10 ga. boxed top rail, horizontal side brace, and bottom rub rail are all seamless and sloped outward.  
Horizontal side brace shall be full box section. Brace formed into side not acceptable.  
One-piece full depth tapered front corner posts, one-piece to floor for strength, with 2" sideboard pockets.

7 ga. 5-3/4" x 12" full depth rear corner posts are tied to an 8" structural channel rear apron. This joint is further reinforced with a 1/4" plate which helps prevent flexing in this critical area and strengthens latch assembly.  
All welding is to be continuous, for strength and corrosion resistance. Skip welding is not acceptable.  
Formed-in doghouse to extend a maximum of 12" into the body.

Cylinder shall not extend in front of body when lowered. This is to minimize overall truck length and turning radius.



### **FLOOR**

One-piece seamless 3/16" AR400 steel (200,000 psi tensile strength). No exception.

4" floor to side radius.

Cross members are not allowed, to prevent wash boarding and cracking of floor, and for easy cleaning.

One-piece 8" I-beam long sills.

Maximum 12" mounting height for lower center of gravity for safety.

### **TAILGATE**

7 ga. tailgate sheet.

Full perimeter boxing with all horizontal edges sloped outward. Shall have one 10 ga. sloped horizontal brace that is flush with the perimeter boxing.

Flush mount, 1/2" flame cut pivots.

Heavy duty offset hinge plates, 1" flame cut.

3/4" latch hooks with 3/8" latch plates.

1-1/4" Hot Rolled upper and lower pins.

Pivot points include stainless steel bushings to reduce seizing.

Air tailgate release with spring over center latch utilizing an air brake chamber for reliability. Tailgate must remain locked even if air pressure is lost.

### **HOIST:**

Single cylinder, front trunnion mount; Lift point must be at the bottom of the body for stability. Trunnion lift point must be by an oscillating collar to reduce cylinder side loading, and premature seal wear. Must utilize u-cup type seals. Adjustable packing nuts not acceptable. Must utilize bronze pistons and glands. Cylinder surface must be immersed in oil when retracted. Largest cylinder stage must be at the bottom for stability. Inverted cylinder is not acceptable.

N.T.E.A. Class 50. 21.5 ton capacity.

3-stage cylinder, 90" stroke with a 4" minimum first stage dia.

Wear and corrosion resistant Nitrated cylinder tubes. Chrome plated or polished cylinders not acceptable. Hoist must be double acting (power down) to facilitate lowering over center body.

Minimum 2-year cylinder warranty.

Connecting pivots to have replaceable greaseless composite bushings.

Oscillating cylinder collar.

### **SUBFRAME & REAR HINGE ASSEMBLY**

Hinges must hold body long sills over truck frame with body raised, and truck moving.

Stainless steel 1-1/2" diameter hinge pins. Replaceable greaseless composite bushings for a minimal pin-to-bushing clearance and for maximum stability. No



Cylinder shall not extend in front of body when lowered. This is to minimize overall truck length and turning radius.



## **FLOOR**

One-piece seamless 3/16" AR400 steel (200,000 psi tensile strength). No exception.

4" floor to side radius.

Cross members are not allowed, to prevent wash boarding and cracking of floor, and for easy cleaning.

One-piece 8" I-beam long sills.

Maximum 12" mounting height for lower center of gravity for safety.

## **TAILGATE**

7 ga. tailgate sheet.

Full perimeter boxing with all horizontal edges sloped outward. Shall have one 10 ga. sloped horizontal brace that is flush with the perimeter boxing.

Flush mount, 1/2" flame cut pivots.

Heavy duty offset hinge plates, 1" flame cut.

3/4" latch hooks with 3/8" latch plates.

1-1/4" Hot Rolled upper and lower pins.

Pivot points include stainless steel bushings to reduce seizing.

Air tailgate release with spring over center latch utilizing an air brake chamber for reliability. Tailgate must remain locked even if air pressure is lost.

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Minimum 2-year cylinder warranty.

Connecting pivots to have replaceable greaseless composite bushings.

Oscillating cylinder collar.

## **SUBFRAME & REAR HINGE ASSEMBLY**

Hinges must hold body long sills over truck frame with body raised, and truck moving.

Stainless steel 1-1/2" diameter hinge pins. Replaceable greaseless composite bushings for a minimal pin-to-bushing clearance and for maximum stability. No

exception. 6" x 4" x 3/8" structural angle hinge with 2-1/2" solid hinge blocks.  
**No exception.** 4" structural channel sub frame.



#### **LIGHT PACKAGE:**

All lighting shall be L.E.D. type including four red rear, two side mounted red rear reflectors, and two side mounted amber front reflectors. One piece sealed wiring harness. Rubber mounted, shock resistant I.C.C. 3-light cluster, amber warning lights, four rear facing one above and below the s/t/t and backup lights, two each side of body in rub rail, one at front, and one at rear of body, all lighting to terminate with weather pack type connectors.

#### **MISCELLANEOUS:**

22" x 84" 10 ga. 409 stainless steel cabshield.

Grip-strut step on lower rub rail and horizontal side brace, above driver side rear tire.

Polycarbonate fenders with mud flaps over rear wheels

2" x 8" oak side-boards.

Furnish a dump body vibrator.

One pair of rear-mounted tow hooks.

OSHA electric backup alarm.

#### **PAINT PREPARATION:**

All surfaces to be high-pressure cleaned & phosphated.

Primed with an epoxy ester primer - underside to be primed black.

Finish painted with polyurethane paint **black**.

#### **HYDRAULIC SYSTEM:**

The purpose of these specifications is to describe a hydraulic system of the preferred type and design to operate the equipment on the vehicle. All manufacturers' names and part numbers are included for descriptive purposes. If alternate types and / or styles of systems are to be bid it will be the bidder's responsibility to obtain approval before the bid opening. The hydraulic pump will be driven live off of the engine's crankshaft through an automotive style drive shaft. The drive shaft will consist of an shaft assembly, flange yoke, end yoke, and all necessary parts for connecting the hydraulic pump to the PTO adapter supplied by the chassis manufacturer. The driveline shall be Spicer 1310 series assembled with proper angle and phasing for optimum operation.

Pump shall be mounted to a 6" structural channel crossmember that shall be bolted, not welded, to the truck front frame extension, for easy serviceability. Hydraulic hoses with JIC fittings shall be used. Black iron pipe and elbows are not acceptable. All high pressure lines shall use o-ring type fittings, pipe thread not acceptable. All hoses and control cables shall be securely fastened with rubber-coated steel clamps, and shall be protected with rubber grommets



wherever they pass over sharp edges. All quick couplers shall be stainless steel, poppet style, with dust covers. No exception.

The hydraulic pump will be a variable displacement, piston pump with all cast iron construction. The pump will feature individual adjustments for main and



standby pressure and feature a one piece input shaft. Pump size will be minimum 74 cc. The input shaft will be at least 1.25 inches in diameter and the pump will be ported with flange style connections. Minimum suction line size 2.0 inches. The pump will be a Sauer-DanFoss model FRL074. The hydraulic valve will be a sectional, spool type valve of cast iron construction with a nominal flow rating of 30 gpm and a inlet /work port pressure drop not to exceed 150 psi. The valve will feature individual pressure and flow compensation for each section. Sections will be provided for the operation of:

Double-acting hoist, front plow with double-acting lift and power angling, underbody scraper with power up/down and power reversing, and tail gate sand and salt spreader. A pilot operated main relief will be incorporated into the inlet as well. The valve will be a Sauer-DanFoss PVG32. The control valve will be operated via sealed push / pull type cable assemblies. Cables will feature stainless steel construction with polyethylene conduit and Teflon liner. In cab control handles will be stacked together in a console tower and feature individual markings displaying the function of each handle, control levers will match existing South Lyon trucks. The console shall also include a panel for all electrical switches and warning lights, and incorporate the dual know manual spreader control. All cables are to be routed away from extreme heat and shielded from abrasion. The valve will be mounted inside the truck between the driver and passenger seat. The main valve enclosure will be stainless steel with a top panel that is removable for easier access. The system will be protected by a cartridge type return filter mounted to the top of the reservoir. The filter will feature a 10-micron element, 25 psi bypass, dual inlet ports with O-ring threads and a steel element can. Filter element will be a water removal type. One additional element will be provided at the time of delivery.

#### **Hydraulic and Fuel Tanks:**

D.O.T. certified 60 gallon diesel fuel tank, and a 40 gallon hydraulic oil reservoir mounted back of cab in heavy duty cradle, with steel straps to secure tanks. 7 ga. steel. Oil reservoir to have flange for tank-mounted return filter, chrome breather cap with filter screen, 2.0" suction port, 1.25" return port on bottom, 5" combination temperature/sight gauge, drain plug. Oil reservoir shall have a 100 micron suction strainer. Fuel tank shall be FWH tested and certified, and shall have raised filler neck with screw-on cap, sending unit for fuel gauge with no moving parts that will sense fuel level to within 2" of tank bottom, drain plug.

#### **Front Bumper:**

10" structural steel tapered front bumper will be provided with cut outs for front tow hooks this bumper replaces the O.E.M. bumper, and will provide protection for front of truck, and support for front reversible plow.





### **Snow Plow Hitch:**

Henderson Low profile Quick Hitch

Hitch frame height of 34-5/8" from top of hitch to center of connection pin. Hitch frame width 26" with pin centers at 30.5". The snow plow coupling device must be of the quick attach and release design. The receiver opening must be tapered and allow misalignment when connecting plow to truck. Receiver boxes shall be fabricated from 1/2" plate and welded to 4" x 4" x 1/2" vertical structural angles. Hitch frame members are 1/2" x 4" x 4" structural angle. This hitch is low profile for access to the truck's engine compartment. The lift arm and lift frame shall be designed to accept either a 3" or 4" lift cylinder with nitrided cylinder tube. Cylinders pins are to be 1" cold rolled steel. Self-storing lift arm, accomplished by pulling one 1" pin and folding the cylinder up, allows you to re-pin to store. The telescopic lift arm shall be manufactured of 4" x 4" x 3/8" square outer tubing and 3" x 3" x 3/8" square inner tubing. The lifting plate shall be 3/8" x 4" flat material and have two banjo-type chain eyes able to accept 1/2" chain as well as the weight of the plow. The plow portion of the quick hitch must have a 2-point locking mechanism on 30-1/2" or 33 1/2" centers. MC 7 x 22.7 lbs channel by 34 1/2" in length. The locking devices shall be two 1 1/2" square and shall lock behind the fixed welded pin in the truck hitch frame. Decoupling shall be accomplished by removal of a vertical pin and the tripping of a lever which automatically opens the receptacles and allows the truck to back away from the plow unit. The plow portion of the Quick hitch shall be affixed to the frame with a 1 1/2" grade 8 bolt. The plow portion of the quick hitch shall swivel horizontally, allowing the plow to follow the variations in the road surface. Snow plow lights mounted to stainless steel laser cut brackets, on truck hood/fenders, high enough to clear snow plow blade, with switch on dash. The plow power up/down hydraulic circuit shall incorporate a plow balance system. This system shall be adjustable to maintain a preset (adjustable) weight on the cutting edge of the front plow, allowing the plow to ride over obstructions and return to plowing position without any driver input. The balance valve shall be full load sensing and be engaged or disengaged by a cab mounted switch. The valve shall not require an operator to turn it on or off when raising or lowering the front snow plow.

### **Front Plow:**

This specification shall describe a **HENDERSON SNOWFOE series reversible snow plow with cutting edge trip**. This unit shall also consist of twin hydraulic reversing cylinders, stainless steel moldboard, adjustable cutting edge trip, and continuous seam welding.

### **MINIMUM MOLDBOARD REQUIREMENTS:**



Height of moldboard must be 36", Length of moldboard must be 10', Integral shield moldboard, cutting path at 35° for a 10' length must be 98", 10 GA 201ss rolled moldboard with eight (8) 1/2" x 3 1/2" flame cut ribs for extra strength and rigidity. All welds must be continuous (skip welds not acceptable) Trip edge backer angle must be 4" x 4" x 3/4". Bottom moldboard angle must be constructed of 4" x 3" x 1/2" angle.



Top moldboard angle must be constructed of 3-1/2" x 2-1/2" x 3/8" with holes to allow moisture to escape. Two horizontal braces for added rigidity. The attack angle must be adjustable to 5, 10, and 20 5/8" x 8" one piece rubber cutting edge with AASHO punching-standard. Winter Guard 36" sight markers, one each side of plow, and Winter Guard carbide curb shoes both sides.

#### **TRIP ASSEMBLY:**

Adjustable torsional one piece cutting edge trip springs must have a zero insertion force for increased safety while servicing. Bottom moldboard angle must be 4" x 3" x 1/2". Fully welded to bottom edge of moldboard. 4" x 4" x 3/4" backer angle with (6) 3/4" trip ears welded to angle. Full length trip edge pivot tube, must be constructed of schedule 80, 1.50" OD black pipe. End of each plow cutting edge is to include a 4.5"OD x 1.5" thick curb guard. Cutting edge tripping must be controlled by (5) torsional springs. Springs constructed of a minimum of .75 square bar with 14 active coils. Minimum spring dimensions shall be 3.75OD x 2.25ID x 11.75. Springs must be produced to meet Rockwell C hardness. Hardness shall be produced from oil quenching with a minimum temperature of 1550°F. Spring preload shall be a minimum of 35°. Springs shall have a trip load capability of 8228 INCH-LBS. Typical spring material composition shall be Carbon=.40, Manganese=.70, Phosphorous=.020, sulfur=.020, silicon=.25, chromium=.80, Nickel=1.75, Molybdenum=.25. Three (3) position adjustment on each individual torsion spring on the trip assembly to allow changes in road conditions. Adjustable via factory supplied spring adjustment wrench.

#### **Circle Frame and Push Tube:**

Henderson Hitch with "Level lift" design allows continuous level lift in any position. The push frame tube to be 96" in width constructed of 4"x 4"x 3/8" square tube. Six (6) moldboard to push frame pivot points with 1-1/4" bushing pinning to two (2) 5/8" mounting ears with 1-1/4" diameter pins. (no exceptions). Semi-circle constructed of 3-1/2"x 3-1/2"x 1/2" HR angle with 77.26" span at push-tube. Semi circle is further reinforced from back side of circle to push tube with two (2) 3-1/2"x 3-1/2"x 1-2" HR angle. Semi-circle pivot and reversing cylinders yokes constructed of two (2) HR 1/2" plates. There shall be two (2) reversing stops constructed of 1"x 5" plate welded to circle. Moldboard attack angle brace connection plate are continuously welded to the push frame assembly and constructed of 1/2" plate with a 3"x 10"x 1/2" plate. Twin (2) 3" x 10" x 1-1/2" nitrided hydraulic reversing cylinders are double acting for heavy duty reversing. Reversing cylinders must be located above the circle frame for increased



protection against road debris and for ease of maintenance. Plow mounted cushion valve for reversing cylinders is standard.

**A-Frame:**

A-frame sides constructed of 4" x 13.8# channel welded to 1"x 5"x 33.5" A-frame end plate. End plate to side channels is further reinforced with a 5/8"x 3-1/2"x 22.5" plate.



A-frame to circle frame pivot tongue consists of two (2) 4"x 8.25"x .75" plates with a 1-3/4"x 6.75 Zinc plated pin. Reversing cylinders pin to dual 5/8" thick cylinder mounts on each side of A-frame. 4" x 2" x 10" reversing cylinders, same as lift cylinder.

**PAINT:**

All metal surfaces are to be phosphate washed to remove slag, splatter, oxide and oil residue. Back side of moldboard is powder-coated highway orange for increase paint durability. Front side of moldboard to remain in natural stainless finish. Push frame, a frame and other miscellaneous components are powder-coated black for increase paint durability.

**UNDERBODY SCRAPER:**

This specification shall describe a **HENDERSON UNDERBODY SCRAPER**. This unit shall be of heavy duty construction and all welds on the unit shall be continuous.

**MOLDBOARD:**

Moldboard shall be 10' in length, The moldboard shall be 1" thick x 20" height (40/50 Carbon Steel) Moldboard offset & punched for standard cutting edge (AASHTO top punched). Cutting edge shall be 3/4" x 6" Carbide cutting edge, with Winter Guard wrap around curb guards.

**REVERSING TABLE:**

The reversing table shall be 1" thick and be of one piece construction. The reversing table shall be attached to the truck frame by a 3/4" thick truck mount hanger plate. The reversing table center pin shall be 5" diameter, with two (2) double acting reversing cylinders with 4" bore, 12-1/2" stroke, 2" diameter nitrided rods. The reversing cylinders shall be attached to the reversing table with 2" diameter 1045 cold rolled mounting pins. The scraper shall have unlimited scraper reversing angle of up to 45 degrees.

**HANGER-BOARD ASSEMBLY AND LIFT CYLINDERS:**

One piece 5/8" formed steel hanger board. Hold down blocks shall be 1" diameter and attached with 3 - 1" grade 8 bolts .375" polyurethane hold down wear pads shall be between the reversing circle and hold down blocks. 96" long 2 1/2" moldboard to hanger board hinge shaft shall be supported by four (4) 2-1/2" diameter x 6-1/2" long/ 1045 cold rolled steel hinges with cross bolt retention. The hanger-board shall have folding "D" ring lift eyes for ease of installation and



there shall be two (2) lift cylinders and trip spring canisters. The cylinders shall be 3-1/2" bore x 9" stroke x 2" diameter nitrided rods. The trip springs shall be .87" diameter wire x 5.88 O.D. x 18" long. All pivot points shall be greasable, hydraulic system shall include a scraper cushion valve, and relief valve.



**Tarp System:**

Roll Rite fully automatic electric tarp system. One piece enclosed spool assembly with a built in wind deflector mounted at front of cab protector for protection from loaders. Direct drive, 12 volt electric ball bearing gear motor with hardened steel and bronze gears to roll up tarp. No chains or chain guards acceptable. Gear motor to have 3 year warranty. Tension bow to be provided to tuck front of tarp in behind cab guard to keep wind from getting under tarp. 2-3/4" wide spiral torsion operated side pivot arms to pull tarp over load. Switch to operate tarp, with indicator light on dash, reachable from inside cab or from ground. Heavy duty asphalt tarp, 18 oz. With urethane coating both sides for protection up to 375 degrees. Waterproof.

**A HENDERSON 304** stainless steel 6" TGS tailgate material spreader, capable of spreading free flowing granular materials. This unit shall consist of a 304 stainless steel body, spinner disc, power drive, and all components necessary to make a complete operating unit shall be provided.

**MINIMUM TROUGH REQUIREMENTS:**

7 gauge 304 stainless steel trough and rear panel 1/4" 304 stainless steel end plates with all interior seams welded one piece 304 stainless steel combination cover and upper rear panel The trough cover shall have a 304 stainless steel hinge rod and handle The bottom trough shall hinge providing access to auger The handles for positioning and locking the bottom trough shall be 304 stainless steel Clean out door in bottom of trough opens in combination with top cover to provide access from top and bottom for complete clean out. A 1/4" 304 stainless steel access plate bolted to the trough end plate shall provide the drive motor mount and side access to the auger for ease of replacement or service of the auger All attachment hardware (bolts, nuts) shall be 304 stainless steel. Spreader does not interfere with normal operation of dump body.

**MINIMUM AUGER REQUIREMENTS:**

6" diameter bi-directional flight auger. 1/2" thick bar stock flighting ensuring 3/8" outside edge. Flighting welded to a 2.5" O.D. schedule 40 pipe. Auger supported by 1-1/4" diameter shaft running in greasable anti-friction ball bearings-flange mounted on the outside trough ends. The auger drive motor shaft and idler bearing shaft shall each have a polyurethane insert in the attachment to auger pipe to prevent seizing due to corrosion. Hopper discharge opening to have a 304 stainless steel anti-flow shield preventing free flow of granular material from the trough when the auger is stopped.



**AUGER DRIVE:**

Auger is driven by a high torque, low speed, 18.7 C.I.R. Char-Lynn hydraulic motor (Char-Lynn part #158-1007) Motor is directly coupled to the auger.

**SPINNER ASSEMBLY:**

Polyurethane spinner disk. Directly driven by a high torque, low speed (550 RPM max.) 2.8 C.I.R. Char-Lynn hydraulic motor (Char-Lynn part #101-1313). Spinner motor mounted underneath the spinner on the left center of the trough. Spinner assembly shall be self leveling and kept parallel to road surface at all dump angles without requiring a stabilizer bar attached to the truck frame. 304 stainless steel stationary shield mounted in front of spinner to protect the truck under carriage from thrown material. The spinner mounting bracket, pivoting rod and mounting hardware shall be 304 stainless steel. The spinner shall be adjustable from left to right and easily removable without tools. The spinner assembly shall have two positions of height adjustment.

**TROUGH MOUNTING:**

The mounting brackets for the dump body and spreader trough shall be constructed of 304 stainless steel. Spreader shall have 304 stainless steel quick disconnect mounting pins removable without tools. End spill shields shall be included to mount in the body to eliminate material loss.

**PAINT:**

All metal surfaces are to be high-pressure cleaned with a phosphate solution to remove slag, splatter, oxide, and oil residue. Non-stainless steel parts to be painted industrial enamel black.

**Lighting:**

Truck clearance lights, emergency lights and auxiliary lights and other specified functions such as; reverse light, turn signals, plow clearance light, plow turn signals, plow hi-and low beam, plow dimmer, roof mounted amber mini light bar (Whelen MC23PA), rear strobe(s), scraper lights(s), spreader light(s), low oil light/alarm, body up light/alarm, and fuel sending unit shall be incorporated into a single multi-function harness system. The system shall be capable of connecting any and all of the listed functions to a power source via a main junction box in the cab, on the back wall, using a single harness, without external junction boxes. The wiring shall be protected by an ignition relay and a 65 amp main circuit breaker. Each wire shall be individually identified as to its function at the cab junction box. Wiring harnesses shall utilize weather resistant plug-in type connectors for corrosion resistance, and quick-changeability. There shall be no splices or connections in the harness outside the truck cab. Individual functions shall be operated by a custom switch box. Each switch is rated at 20 amps with an individual magnetic circuit breaker. Lifetime warranty on switches, no exception. The lights shall be the solid state type and have a 100,000 hour life.



span. The switch panel to be back illuminated when vehicle running lights are on. Each switch to be more intensely illuminated when function selected. Switches to be rocker type. One 4" round L.E.D. Work light ( truck light pt#81360 ) shall be mounted behind the driver side rear dump body corner post to illuminate the salt spread pattern, Two 4" round L.E.D. Work lights mounted underneath cab or fuel/hyd tanks as to shine on belly blade one each side, switch on dash.



4  
There shall eight total Truck Lite oblong flush mounted L.E.D. amber warning lights on dump body, two each side in lower body rub rail, one at front, one at rear of body, and four total rear facing mounted outside each rear corner post of the dump body, in stainless steel light wedges, with L.E.D. Truck Lite S/T/T, and back up lights. Body marker, stop/turn/tail, backup, and amber warning lights are to terminate with weather pack type connectors. Stop/turn/tail lights and backup lights shall be mounted outside the rear corner posts of the dump body. Amber lights shall be on top and bottom, with first STT then backup lights between. Stop/turn/tail and all amber lights shall be oval shaped, with polycarbonate lens and sealed housing, rubber grommet mount. LED lights are to include Projection Optics to magnify and concentrate the light at the center point to provide the maximum signal, reflectors to aim and focus the light at the edges, and Lens Diffusion Optics to drive light at wider angles than FMVSS requirements. Rear lights shall be flush mounted in a stainless steel wedge-shaped protective box, solid welded outside the rear corner posts.

**Trailer Hitch:**

Combination pintle hook with 2" ball hitch, with safety chain eyes. Mount 22" from ground to center of hitch. Mount to 3/4" thick steel plate, with holes cut for chassis lights. Reinforce plate to truck frame. Mount chassis lights behind hitch plate for protection.

**GENERAL INFORMATION:**

**WARRANTY:**

Add On Equipment (Dump body, auger, underbody scraper, etc.) 1 yr minimum.

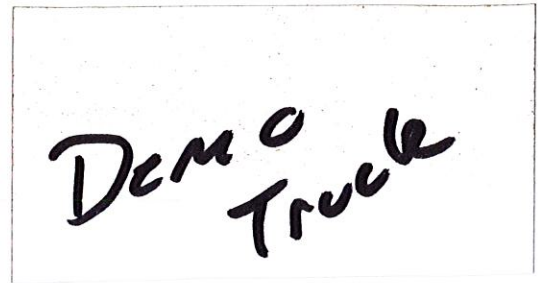
Delivery: Vehicle must be delivered ready to use in no more than 120 days.

Shop Manuals: 1 complete set of shop manuals for all installed equipment shall be included.

Dump body color Stainless steel

**MUNICIPAL PRICE INSTALLED:**

**\$ 78,525.00**



## **HEIGHTS MACHINERY EQUIPPED TRUCK FOR SALE**

Heights Machinery is working with Truck Dealerships to build and promote TURN-KEY truck and equipment packages. These packages are new, not used trucks and equipment.

### **HEIGHTS MACHINERY**

Phone: (231) 267-9300

2015 Freightliner 108SD Municipal

Engine: CUMMINS ISC @ 330 HP

Transmission: Allison 3500 RDS

Front Axle: 18,000

Rear Axle: 23K with 26,000 Springs

Mileage: New

### **D & K TRUCK COMPANY**

Contact: Edward Merrill

Phone: (517) 484-1905 Ext. 129

**Complete Price for Chassis and Installed Equipment**

**\$ 169,258.00**

**Primary Equipment Installed**



Equipment Specifications are provided on following pages



## **SPECIFICATIONS FOR A REAR DISCHARGE MULTI-PURPOSE ALL SEASON BODY**

### **GENERAL:**

The intent of these specifications is to describe a 201Stainless Steel  
**Henderson Munibody II Rear Discharge**, combination dump and spreader body.

### **MINIMUM BODY REQUIREMENTS:**

- Capacity to be (6.2) cubic yards struck, without sideboards and (8.8) cubic yards struck with sideboards.
- Inside length (9')
- The width of the body shall be 96-inches wide to maximize capacity and lower the center of gravity of the unit.
- Side height of 36-inches
- Tailgate height of 48-inches.
- Head sheet height of 54-inches with external doghouse.

### **SIDES & HEADSHEET:**

- One piece sides and floor, which incorporates a 6-inch floor-to-side radius.
- The body floor slopes 22 degrees to the conveyor to facilitate self-cleaning of the body without raising.
- Head-sheet and one-piece sides to be 7-gauge grade 201 stainless steel.
- Head-sheet to be vertical with no slant.
- 10 gauge, 201 stainless steel boxed top rail seamless and sloped inward to shed debris. This design is critical to providing the specified 96-inch body width.
- 4-inch wide sideboard pockets with 11-inch sideboards.
- 12-inch x 4-3/4-inch, 7-gauge 201 stainless steel rear corner posts are tied into a 12-inch rear apron formed from 7-gauge 201 stainless steel. Further reinforcement is provided by a 1/4-inch 201 stainless steel plate that helps prevent flexing in this critical area and strengthens the tailgate latch assembly.
- 201 stainless steel integral platform fenders shall be continuously welded and positioned over wheels of truck chassis.
- Half cab-shield, 10-ga. with 7-ga. ends, stainless steel, welded to head-sheet.

### **HOIST:**

- Front mounted telescopic hoist with external doghouse, minimum 2-year cylinder warranty
- Single cylinder, trunnion mount N.T.E.A. cylinder with wear and corrosion resistant nitrided cylinder tubes. Connecting pivots to have replaceable greaseless composite bushings.
- 5 degree oscillating cylinder collar.

## **SPECIFICATIONS FOR A REAR DISCHARGE MULTI-PURPOSE ALL SEASON BODY**

### **CONVEYOR:**

- 10-inch truck frame to body floor height for lower center of gravity and lower mounting height.
- 7-gauge 201 stainless steel formed inner and 10-gauge 201 stainless steel formed outer longsills.
- Conveyor floor of 1/4-inch AR400, (190,000 PSI yield, 200,000 PSI tensile strength, 400 Brinell Hardness)
- 2-inch diameter drive and idler shafts with 8 tooth sprockets. Drive sprockets are double keyed with 1/2-inch keys to shaft. Sprockets shall be heat treated to Rockwell 50 C hardness.
- Conveyor driven by (1) 25:1 planetary gear case and piston motor driving the rear shaft.
- 28-inch wide conveyor width
- Body integrated 201 stainless steel 15-inch spreader apron.
- Conveyor extends 12-inches beyond tailgate to prevent free flow of granular material.
- D667K pintle chain (24,500 lb. Tensile / strand).
- Conveyor chain has 1/2-inch x 1-1/2-inch crossbars on every other link.

### **SPINNER CHUTE ASSEMBLY:**

- Spinner assembly must be adjustable left to right, front to back, and up and down to assure accurate placement of material on spinner disc to facilitate control of spread pattern.
- Front spinner baffle is adjustable for protection of chassis undercarriage.
- 10-gauge, 20-inch diameter spinner disc to have replaceable-machined hub and (6) 10-gauge, stainless steel bolt-on replaceable spinner vanes for counterclockwise rotation.
- Spinner hydraulic motor shall mount directly on top of spinner disc.
- Motor shall be enclosed in a removable material shedding protective cover.

### **REAR HINGE ASSEMBLY:**

- 6-inch x 8-inch x 1/2-inch formed structural angle welded to truck frame
- 2-inch diameter 303 stainless steel hinge pins connecting to 2-1/2-inch hinge blocks using replaceable greaseless composite bushings for optimal pin-to-bushing clearance.



## **SPECIFICATIONS FOR A REAR DISCHARGE MULTI-PURPOSE ALL SEASON BODY**

### **TAILGATE:**

- 7-gauge, 201 stainless steel tailgate sheet, 65,000-PSI tensile strength, 50,000-PSI yield strength.
- Full perimeter 201 stainless steel boxing with all horizontal edges sloped outward.
- Tailgate must be double acting.
- Shall have (2) 10-gauge 201 stainless steel sloped horizontal braces that are flush with perimeter boxing.
- Flush mount, 1/2-inch stainless steel tailgate pivots
- Heavy duty offset hinge plates, 1-inch stainless steel
- 3/4-inch stainless steel latch hooks with 3/8-inch stainless steel latch plates
- 1-1/4-inch stainless steel upper and lower pins
- 12-inch x 24-inch feed-gate made from 7-gauge 201 stainless steel operates perpendicular to floor.
- The lever-operated feed gate shall be adjustable in 1-inch increments. (2) 1/4-inch diameter stainless steel sliding guides are required for easy movement. The feed gate is positively locked into position with a stainless steel locator pin.
- Dual brake chamber air tailgate latches (one on each side) with over center linkage. Pivot shafts include stainless steel bushings to eliminate seizing.

### **LIGHT PACKAGE:**

- Rubber mounted, shock resistant LED stop / turn / tail lights in each rear corner post including (1) back-up light and (1) amber strobe light per side. Highly visible, yet recessed for protection. (4) red rear, (2) side mounted red rear reflectors, and (2) side mounted amber front reflectors. Includes a one piece sealed wiring harness.

### **OPTIONAL EQUIPMENT INCLUDED ON THIS BODY:**

- Front mount cylinder (No internal doghouse)
- 3/16-inch AR400 steel conveyor cover for chain protection when not spreading
- Integral Stainless Steel Platform Fenders that can incorporate tool boxes or pre-wet tanks
- Underbody pans, stainless steel, to limit material falling on chassis
- LED light kit

### **ADDITIONAL EQUIPMENT OPTIONAL, BUT NOT INCLUDED ON THIS BODY:**

- Sloped steel side boards
- Heavy duty top screens
- Polyurethane spinner disc
- Rear mount asphalt patching pan
- Side mount access ladder

## **SPECIFICATIONS FOR A CENTRAL HYDRAULIC AND CONTROL SYSTEM**

### **GENERAL:**

The intent of these specifications is to describe a Central Hydraulic System and controls for the operation of a Municipal Service Truck. The components listed herein have been chosen for their ability to provide long-term durability and ease of service.

### **PUMP DRIVE:**

- The pump will be direct mounted to a transmission mounted power take off.
- The power take off will be cast iron with internal pressure lubrication, a solenoid operated clutch pack, and a SAE BB 2 bolt-mounting flange with a splined output shaft.
- The PTO will include a Wet Spline mounting flange
- PTO is to be a Chelsea model 278.

### **HYDRAULIC PUMP:**

- The hydraulic pump will be a variable displacement piston pump with load sensing control.
- Pump to feature covered, separate adjustments for stand by and main pressure.
- Pump construction to feature a one-piece drive shaft to promote long-term reliability.
- Pump will include two opposing input shaft seals with vent chamber for Wet Spline mounting.
- Pump displacement to be 75 cc/rev.
- Pump to be a Sauer-Danfoss model 45.

### **HOIST AND PLOW CONTROLS:**

- The hoist and plow functions will be controlled from the cab via proportional, electric, joystick assembly.
- The hoist control will include a neutral lock.
- Controls to be mounted in a floor mounted console that will include an armrest and provision for mounting the spreader control to.
- Control installation to include switch for the plow balance valve and indicator lights for body up and low oil.
- Control console to be a Storm Guard Freedom series.



## **SPECIFICATIONS FOR A CENTRAL HYDRAULIC AND CONTROL SYSTEM**

### **HYDRAULIC VALVE:**

- The hydraulic valve will be a cast iron, sectional type spool valve.
- Valve will feature individual pressure and flow compensation for each section.
- The valve will be rated for a nominal flow of 30 gpm.
- Sections for the hoist, scraper, and scraper swing, plow and plow angle will be shifted via proportional solenoid control. The load sensing shuttle network will be internal and include delrin seats for long-term reliability and ease of replacement.
- Sections will be provided for:
  - Dump Hoist      Double Acting with down relief
  - Scraper Double acting with up and down relief valves
  - Scraper Double acting swing with left and right relief valves
  - Front Plow      Double acting lift
  - Front Plow      Double acting angle
  - Spinner Single acting
  - Feeder Single acting
- Hoist and plow sections will include a manual handle override. Spreader sections will include a screw adjustable manual override.
- The hydraulic valve will include a main relief.
- The Hydraulic valve will be a Sauer-Danfoss model PVG-32.

### **PLOW BALANCE:**

- The system will include a full load sensing plow balance valve.
- The valve will automatically, through system logic, control the weight of the snowplow cutting edge on the road surface.
- Valve is to be designed so that the plow can be lifted and held off the pavement without holding continuously on the raise handle for the plow.
- The balance valve will include an adjusting screw with lock nut to set the cutting edge weight.
- The valve will be solenoid operated and include a lighted switch mounted on the control stand.
- The balance valve will be mounted in the valve enclosure portion of the stainless steel valve mount tank.

## **SPECIFICATIONS FOR A CENTRAL HYDRAULIC AND CONTROL SYSTEM**

### **SPREADER CONTROL:**

- The spreader control will be provided by a programmable microprocessor.
- The controller will include separate, rotary knobs for adjusting the spinner and feeder motors, on screen indication of rate settings, open loop automatic or manual operation, and separate push buttons for pause and blast and open loop liquid capability.
- The spreader control will include a self-diagnostic capability that will display on screen text messages if a fault or loss of accuracy is detected.
- A USB 2.0 port will be included for data downloading and the installation of software updates.
- The Spreader Control is to be a Storm Guard Freedom series model 2.2 with liquid expansion capabilities.

### **FILTERS:**

- **Two filters will protect the system.**
- A 10-micron, tank top mounted return filter with drop tube or diffuser and a 100 mesh suction strainer.
- One additional return filter element will be included at delivery.

### **VALVE MOUNTING:**

- The hydraulic valve will be mounted in an enclosure that fully encloses the hydraulic valve and is part of the oil reservoir package.
- The enclosure will feature a removable access panel held in place by rubber latches.
- All plumbing internal to the enclosure will be SAE tubing and terminate on the enclosure bottom with bulk type JIC fittings.

### **HYDRAULIC RESERVOIR:**

- The reservoir will be above frame mounted and have a capacity of not less than 30 gallons of hydraulic oil.
- Reservoir will include a fill cap with anti splash shield, sight and temp gauge and a float assembly wired to the console to notify the operator of a low oil condition.
- The reservoir will include a tank magnet and drain plug.
- Reservoir to be fabricated from 304 stainless steel and include the valve enclosure.
- Initial fill of AW-32 oil to include antifoam and anti wear package.



## **SPECIFICATIONS FOR A CENTRAL HYDRAULIC AND CONTROL SYSTEM**

### **PLUMBING:**

- The hydraulic system will be plumbed to SAE standards with no black or iron pipe connections or components. National Pipe Thread connections are allowed at the reservoir provided they are dry seal type and sealed with liquid sealant.
- Pressure lines to be SAE100-R16, Return lines to be SAE100-R1, Suction line to be SAE100-R4.
- Front plow angle and spinner couplers to be stainless steel with dust covers.
- Plow angle couplers to include a manual pressure release valve with drain.
- Coupler halves to be reversed for ease of hook up.
- Installation will include a full flow -32 ball valve in the suction line and a -16 high-pressure steel ball valve in the pressure line to shut off oil flow to the valves.

## **SPECIFICATIONS FOR UNDERBODY SCRAPER**

### **GENERAL:**

The intent of this specification shall describe a **Michigan Underbody Scraper** model 201-12. The scraper is to have a 12-foot moldboard.

### **MAINFRAME:**

- Mainframe consists of a one-piece 5/8" thick minimum steel plate, of unitized welded construction, with 1/2" thick steel plate reinforcements.
- Top plate to be solid with no cutouts for the center hinge.
- Top of mainframe must have a minimum of 14" from front to back, of flat-surface-contact with the circle. (Measurement does not include the bend radius on formed units)
- 1" thick x 20.5" solid steel circle clamps on top of 3/8" thick poly wear pads retain the circle to the mainframe
- Outer ends of mainframe and outer hinges to have thrust plates to limit side-to-side movement and wear.
- Hinge shaft to be 2-1/2" in diameter, 96 linear inches in length, and held to the outer hinges with (2) bolts per side at the outer hinges.
- (4) Heavy-Duty welded and reinforced trunnion arms
- Bolt-on, replaceable, and grease-able 2" diameter shock housing pivot pins
- Actuating cylinder hydraulic lines to be stainless steel hydraulic tubing with flared ends and nuts, held in place with beta clamps and easily accessible along the rear edge of the mainframe.
- Hydraulic hoses continue out to the cylinders to allow for actuation and shock absorption.

### **CIRCLE & CENTER PIVOT PIN:**

- One-piece notch-less circle, 1" solid steel, with replaceable center bushing
- Center pin to have a minimum of 6" bearing diameter with (3) remote grease fittings @ 120-degrees apart in the bushing and held in place by (6) 3/4" grade 8 bolts.
- Center pin is hard chrome plated, semi-sealed and piloted to mainframe.
- Circle attaches to mounting plates via (2) 1" x 3" mounting rails welded to the circle with a welded gusset on the outside of each rail and 3/4" grade 8 bolts.
- Standard circle mounting plates to be 3/4" solid steel with a window for access during repair and cleaning. Optional mounting plates available.



## **SPECIFICATIONS FOR UNDERBODY SCRAPER**

### **ACTUATION & SHOCK ASSEMBLY:**

- Moldboard is actuated by (2) double acting cylinders with 2" socatri rods
- Within the shock spring enclosure is a heavy-duty spring with 7/8" diameter wire
- The cylinder and spring are retained in the housing by a square flange retainer and (4) 5/8" grade 8 bolts.

### **MOLDBOARD:**

- 1" thick x 20" tall heat treated carbon steel
- Bottom edge to be offset to accommodate curved, beveled cutting edges
- The hinge line bolts to the moldboard at the outer hinges and at the center hinge
- Integral flame cut grip-step with material flow-through design, welded on left side of moldboard.

### **SCRAPER REVERSE:**

- Reversing of the scraper is accomplished by (2) 4" double acting cylinders with 2" socatri rods.
- Cylinders are attached to the mainframe with (2) 2" diameter pins at each end.
- Front pins are of the shear type design and the rear pins are anchor style pins.
- 2" O.D. shear and anchor reversing pins to be hard chrome plated and full-floating for seizure prevention
- Scraper to have infinite plowing positions up to 45-degrees right and left.

## **DESCRIPTION OF A COMPLETE ELECTRICAL SYSTEM**

### **GENERAL:**

These Specifications describe a typical electric wiring system installed on a municipal snow and ice control truck built by Heights Machinery. The components listed herein have been chosen for their ability to provide long-term durability and ease of service.

### **MAIN WIRING HARNESS:**

The main wiring harness for the signal lights, marker and clearance lights consists of a seven-circuit, color-coded, modular, and flexible sealed system installed on the cab shield and rear sill. This design combines male pin lamps with female connectors. This concept prevents the harness from causing a short circuit if ever disconnected from the lamps due to vibration or road shock.

### **INSTALLATION:**

Terminal Boxes are strategically located to provide easy access for diagnosing purposes. Control cables exiting the cab pass through a rubber grommet or strain relief. Cables are supported and secured within 6 inches of entry / exit by rubber covered clamps or strain relief. Adequate slack is provided for chassis and cab movement. Upon exiting the cab all cables are secured with a strain relief. Preferred method is flex fitting strain relief's mounted to a stainless steel fixing plate. Cables are routed away from all abrasion and heat sources. Cables are secured with proper sized rubber cushioned, bolt through clamps with stainless steel bands and grade 5 stainless steel bolts with nylock nuts. Preferred method to extend wires to rear will be mounting to a dedicated stainless steel structure running parallel between the frame rails. No add-on wiring will be secured to the existing chassis electrical wiring or air lines. Wiring is supported by clamping every 18-inches.

### **BATTERY DISCONNECT**

Unless supplied with the truck, a quarter turn battery disconnect of the type specified by the Michigan Self Insurance pool is supplied to remove all power from the electrical system. This disconnect is mounted in close proximity of the battery box to be accessible without removal of the battery box cover.

### **CIRCUIT BREAKERS**

Circuit breakers when used are of the manual reset type. Automatic reset breakers often mask potential wiring problems and make trouble shooting difficult for technicians. A 150 breaker is mounted in the battery box with stainless steel bolts to supply all final stage wiring and electrical.



Circuit breakers are sized according to component load data and not exceed 10% of normal operating capacity of the component they are installed to protect.

## **DESCRIPTION OF A COMPLETE ELECTRICAL SYSTEM**

### **FUSES:**

Fuses and/or fusible links are installed as needed to protect operating equipment. When used fusible links are marked in accordance with SAE best practices. Fuses and/or fusible links are sized according to component load data and not exceed 10% of normal operating capacity of the component they are installed to protect.

### **ELECTRICAL RELAY DEVICES:**

Where used, all relay devices are of the plug in type. Electrical relay devices are not soldered or hard mounted to any component or circuit board in any power distribution network. Board mounted relays in removable components (i.e. flasher controls, strobe boxes, radios, global positioning communications devices, and spreader controls) are allowable. All relays are high capacity type and include a resistor mounted in parallel to the coil to limit EMI.

### **CONNECTORS:**

Connectors used for all hydraulic and sensor functions are rated minimum IP-68 for exclusion of water. Connectors used for all final stage wiring for accessory devices are soldered and sealed with polyolefin dual wall heat shrink with melt-able sealant. Spade connectors are allowed internal to the vehicle cab provided they are the fully insulated type and assembled with no bare conductor visible. Preferred exterior connectors include M12 with O-ring and Delphi-Packard Weatherpak. All exterior wiring connections include an application of NYK-77 (or equal) dielectric compound regardless of mounting location.

### **LIGHTING:**

Signal lights, marker and clearance lights are LED, unless specified, and of the pin type design to accommodate the cab shield and rear sill harness. Forward and specialty lighting including warning and emergency are truck manufacturer and customer specific as to type and placement. Rectangular front plow lights with integral turn signals, mounted to hood with stainless steel light brackets. Installation however is subject to the guidelines previously set forth in these specifications.

## **SPECIFICATIONS FOR A HENDERSON QUICK HITCH TRUCK AND PLOW PORTION**

### **GENERAL:**

This specification shall describe a **HENDERSON SNOWFOE series QUICK HITCH** (low profile) snow plow hitch. It will consist of both the truck and the plow portions.

### **TRUCK PORTION OF HITCH:**

- Hitch frame height of 33-5/8"
- Hitch frame width is 29" for 33-1/2" pick-up centers
- The snow plow coupling device must be of the quick attach and release design
- The receiver opening must be tapered and allow up to 5" of horizontal misalignment when connecting plow to truck.
- Receiver boxes to be fabricated from 1/2" plate and welded to 4" x 4" x 1/2" vertical structural angles.
- Hitch frame members are 1/2" x 4" x 4" structural angle.
- Hitch is of the low profile design to allow access to the trucks engine compartment.
- The lift arm and lift frame shall designed to accept either a 3" or a 4" lift cylinder retained by 1" cold rolled steel pins.
- Self-storing lift arm accomplished by pulling (1) 1" pin and folding the cylinder up, allowing the operator to re-pin and store the cylinder and the arm to fold flat.
- The telescopic arm shall be manufactured from 4" x 4" x 3/8" square outer tubing and 3" x 3" x 3/8" square inner tubing. The lifting plate shall be 3/8" x 4" flat steel and have (2) banjo-type chain eyes able to accept 1/2" chain as well as the weight of the plow.

### **PLOW PORTION OF HITCH**

- The plow portion of the hitch must have a 2-point locking mechanism on 33-1/2" centers.
- The locking devices shall be (2) 1-1/2" square and shall lock behind the fixed welded pin in the truck hitch frame.
- Uncoupling shall be accomplished by removal of a vertical pin and the tripping of a lever, which automatically opens the receptacles and allows the truck to back away from the plow unit.
- The plow portion of the Quick Hitch shall be affixed to the frame with a 1-1/2" grade 8 bolt.



- The plow portion of the hitch shall swivel horizontally, allowing the plow to follow the variations in the road surface.

## **SPECIFICATIONS FOR A REVERSIBLE SNOW PLOW**

### **GENERAL:**

This specification shall describe a **HENDERSON SNOWFOE** series reversible snowplow. This unit shall also consist of twin hydraulic reversing cylinders, rolled moldboard and continuous seam welding.

### **MINIMUM MOLDBOARD REQUIREMENTS:**

- Henderson Hitch with "Level lift" design allows continuous level lift in any position.
  - Height of moldboard is 36" (measured from the bottom of the cutting edge to under the curl)
  - Length of moldboard is 10-foot
  - Moldboard has Integral Shielding
  - Cutting width at 35° for a 10-foot length is 8-ft. 2"
  - 10-gauge Grade 50 rolled moldboard with (8) 1/2" x 3-1/2" rolled ribs for extra strength and rigidity. Continuous welded one-piece
    - Reinforced 4" x 4" x 3/4" bottom angle
    - 3-1/2" x 2-1/2" x 3/8" top angle
    - Two horizontal braces for added rigidity
    - Attack angle is adjustable to 5°, 10°, and 20°
    - 5/8" x 8" one piece cutting edge with AASHO punching-standard

### **TRIP ASSEMBLY:**

- Full moldboard trip with two external compression springs.
- Trip-spring anchor plates are encased and continuous welded to the push frame providing greater strength.

### **PUSH FRAME:**

- Push frame width is 96"
- Semi-circle is 3-1/2" x 3-1/2" x 1/2" angle welded to 4" x 4" x 3/8" structural tube.
- (5) moldboard-to-push frame pivot points with 1-1/4" bushings pin to (2) 5/8" mounting ears.
- Twin 3" x 10" x 1-1/2" nitrided hydraulic cylinders are double acting for heavy-duty power reversing. Twin reversing cylinders are located above the push frame for protection against road debris.

- Plow-mounted cushion valve (standard)

## **SPECIFICATIONS FOR A REVERSIBLE SNOW PLOW**

### **PAINT:**

- All metal surfaces are to be cleaned to remove slag, splatter, oxide, and oil residue.
- All surfaces are high-pressure cleaned and degreased with phosphate solution prior to painting. Moldboard is primed with a high-quality catalyzed primer and then finished with Highway Orange enamel paint.
- Push frame assembly and hitch components are powder coat painted black.

### **PLOW RUNNING GEAR:**

- (2) Push frame mounted screw jack adjustable running gear with mushroom shoes















***City of South Lyon Fleet Repair***

# Memo

**Date: 7-10-2015**

**To: Bob Martin**

**Cc: file**

**From: Doug**

**Re: Dpw salt / plow truck**

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This is the bid for the Dpw's new salt / plow dump truck. You will only see one price as this truck was already bid out buy a municipal cooperative group which we belong to (MITN) and it allows us to piggy back on it.

This truck is very close to the ones we already have but with 10 years newer technology. At present we have 4 large salt trucks 2000, 2003, and 2-2005's this truck would be replacing the 1994 international that was pulled and sold last year.

With this said here are the quotes for the cab chassis and the body outfitter.

Wolverine Truck- \$85,456.00 cab/chassis

Knapheide truck equipment \$78,525.00 body, plows & salt spreader

Total \$ 163,981.00







# SOUTH LYON POLICE DEPARTMENT

*Lloyd T. Collins*  
Chief



## Memorandum

**Subject:** Drury Lane Block Party

**To:** Lynne Ladner, City Manager

**From:** Chief Lloyd T. Collins

**Date:** July 22, 2015

I have received a permit request for the above-referenced event, scheduled for August 8, 2015, from 12:00 p.m. to 10:00 p.m. The organizer, Ms. Kristin Phillips, obtained signatures from the residents of all homes affected by the requested road closure, (from Drury/Coach House to Drury/Gentry). Copies of the application for permit, and petition are attached for your information.

I have also notified DPW Superintendent Bob Martin of the requested closure, and arranged for delivery of the necessary barricades. The planned event should cause only minimal disruption to normal traffic in the area. The Police Department will monitor the event utilizing regular-duty personnel. Therefore, I have approved the request and have so notified the organizer.

c: Lt. Chris Sovik  
Bob Martin, DPW Superintendent  
Chief Mike Kennedy, SLFD  
Lisa Deaton, Clerk/Treasurer





## SOUTH LYON POLICE DEPARTMENT

219 Whipple  
South Lyon, Michigan 48178  
Ph: (248)437-1773 / Fax: (248)437-0459  
Lloyd T. Collins  
Chief of Police

Rec. 07/22/15  
AC

### BLOCK PARTY APPLICATION

Date Application Submitted: 7-21-15 Requested Block-off Date: Aug 8, 2015  
Applicant / Contact's Name: Kustin Phillips PH #: 248 982 7674  
Applicant Address: 1352 Drury Lane

Block-off Time: 12 noon Block-off removal Time: 10pm  
Street Names to be blocked off: Drury Lane and Coach House Lane  
Drury Lane and Mealey Lane

1) Print ALL LAST NAMES and ADDRESSES participating in the Block Party. (ALL residents within the blocked-off area must agree to the block-off)

Wendy L. Halen 1329 Coach House Ln.  
Jeremy Brown 1331 Drury Lane  
Jon Empie 1337 Drury Lane  
Stephen Thomas 1343 Drury Lane  
[Signature] 1355 Drury Ln 1346 Drury Ln [Signature] Jason Davis  
[Signature] 1361 Drury Ln  
[Signature] 1367 Drury Ln  
Ashok Valady 1364 Drury Ln Ashok Valady

2) ATTACH sheet of paper with SIGNATURES and ADDRESSES of all residents agreeing to the Block Party.

Kustin Phillips  
Applicant's SIGNATURE

APPROVED [✓]

DENIED [ ]

Chief Lloyd T. Collins 07/22/15  
Lloyd T. Collins, Chief of Police

1358 Drury Lane - Steven Campos

1340 Drury Lane - Kara Vitale

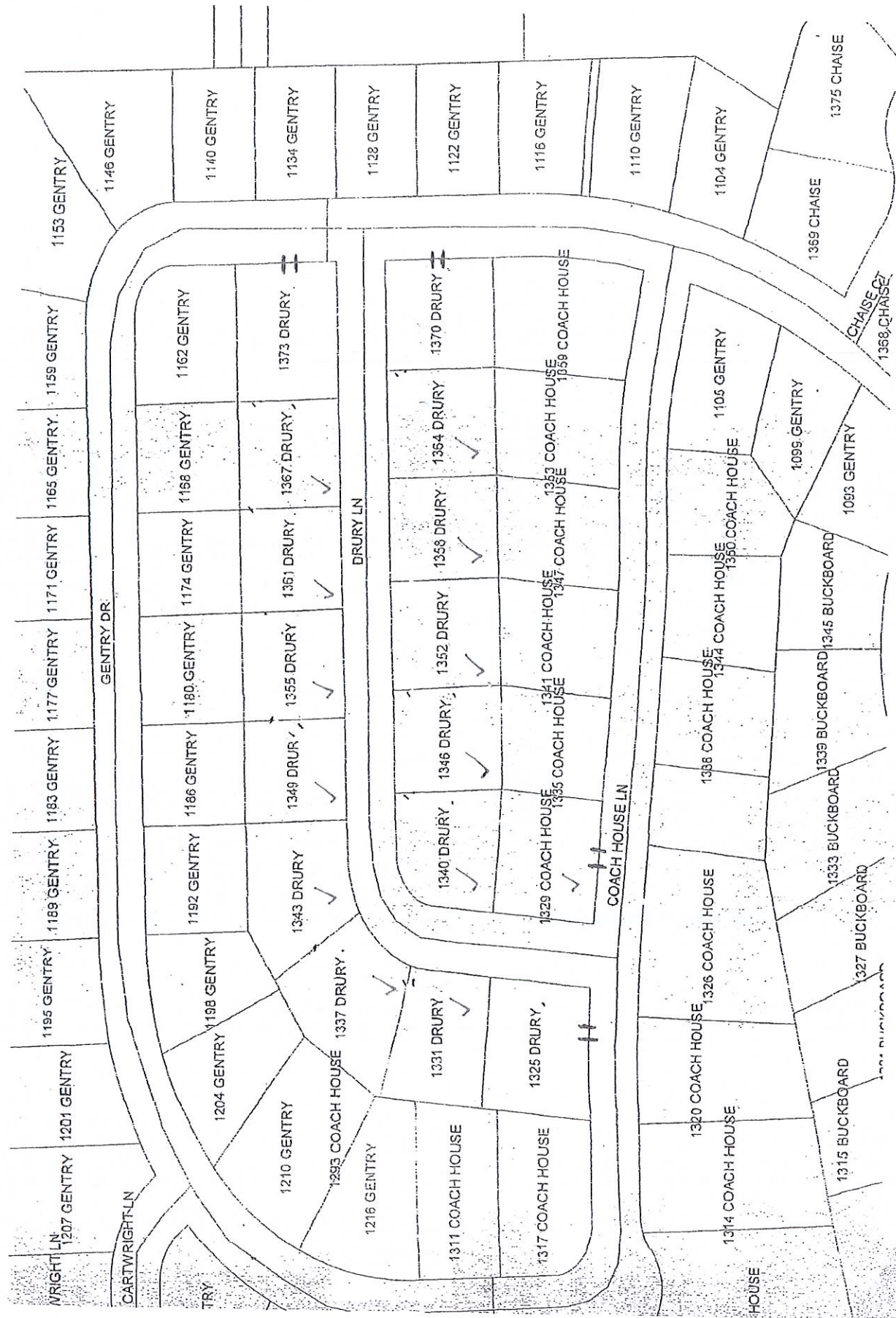
1352 Drury Lane - Kristin Phillips

1349 Drury Lane Ihera Atoikale



To the fullest extent permitted by law the "Drury Lane Pig Roast" agrees to defend, pay on behalf of, indemnify, and hold harmless the City of South Lyon, its elected and appointed officials, employees and volunteers, and others working on behalf of the City of South Lyon against any and all claims, demands, suits, or loss, including all costs connected therewith, for any damages which may be asserted, claimed or recovered against or from the City of South Lyon by reason of personal injury, including bodily injury or death and/or property damage including loss of use thereof, which arises out of, or is in any way connected or associated with this event.

Kristen Phillips  
7-21-15







## South Lyon Area Youth Assistance

**"Strengthening Youth and Families"**

•1000 N. Lafayette • South Lyon, MI 48178 • 248-573-8189

July 15, 2015

Ms. Lynne Ladner  
City Manager  
City of South Lyon  
345 South Warren Street  
South Lyon, MI 48178

Dear Ms. Ladner:

I would like to thank the City of South Lyon for the sponsorship of South Lyon Area Youth Assistance. Because of this continuous sponsorship, our organization can continue to provide many enriching and beneficial programs to our community.

One such program is our annual Summer Enrichment program. This is a six week theater program for elementary and middle school aged children. During the six weeks, the children prepare for a production to be performed on the final two nights of the program. This year, the elementary children will hold their performance on Thursday, July 30<sup>th</sup> at 7:00 p.m. in the auditorium of South Lyon High School. The middle school performance will be held on Friday, July 31<sup>st</sup> at 7:00 p.m. in the auditorium of South Lyon High School.

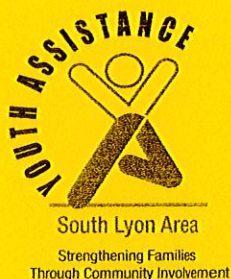
We would be very pleased if you could join us for one or both of the performances. Enclosed is a flyer with more information. If you can attend either performance, please RSVP to me by telephone at 248-573-8189 or e-mail at [brantd@oakgov.com](mailto:brantd@oakgov.com). We look forward to seeing you there!

Sincerely,

Doreen Brant  
Caseworker  
South Lyon Area Youth Assistance

Enclosure





# **South Lyon Youth Assistance**

**presents**

## **The South Lyon Summer Players**



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### **A Night of Fairytales**

**as performed by our Elementary Students**

**Thursday, July 30 - 7pm**



### **Traveling Through the Decades**



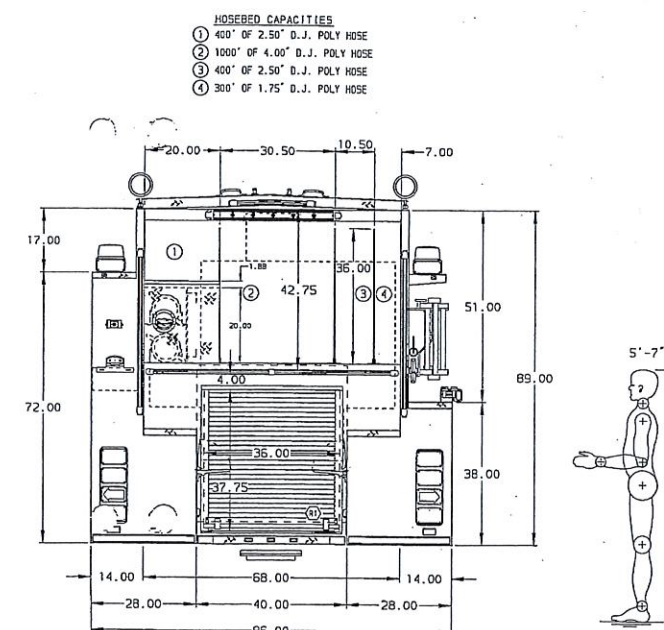
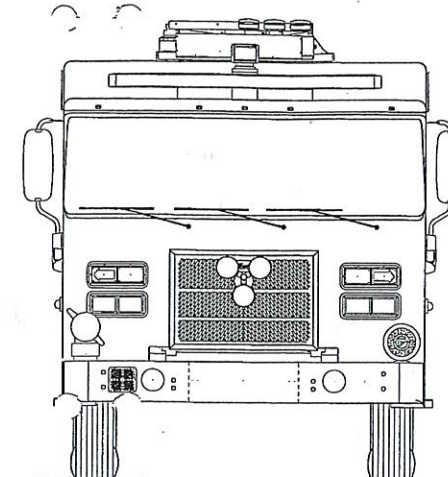
**as performed by our Middle School Students**

**Friday, July 31 - 7pm**

**Please come and enjoy a night of laughter and  
music. A silent auction will take place  
immediately following the performance.**

**Performances will take place at  
South Lyon High School.**





(SIDE ROLL PROTECTION)

SHEET SIZE	SHEET NO.
D	1 of 1