

APPENDIX D-4

BENEFICIARY ELIGIBLE MITIGATION ACTION CERTIFICATION

**State of Connecticut
Class 8 Trucks Round 2
June 3, 2020**

APPENDIX D-4
Beneficiary Eligible Mitigation Action Certification

BENEFICIARY ELIGIBLE MITIGATION ACTION CERTIFICATION

Beneficiary _____

Lead Agency Authorized to Act on Behalf of the Beneficiary _____
(Any authorized person with delegation of such authority to direct the Trustee delivered to the Trustee pursuant to a Delegation of Authority and Certificate of Incumbency)

Action Title:	
Beneficiary's Project ID:	
Funding Request No.	<i>(sequential)</i>
Request Type: (select one or more)	<input type="checkbox"/> Reimbursement <input type="checkbox"/> Advance <input type="checkbox"/> Other (specify): _____
Payment to be made to: (select one or more)	<input type="checkbox"/> Beneficiary <input type="checkbox"/> Other (specify): _____
Funding Request & Direction (Attachment A)	<input type="checkbox"/> Attached to this Certification <input type="checkbox"/> To be Provided Separately

SUMMARY

Eligible Mitigation Action <input type="checkbox"/> Appendix D-2 item (specify): _____ Action Type <input type="checkbox"/> Item 10 - DERA Option (5.2.12) (specify and attach DERA Proposal):
Explanation of how funding request fits into Beneficiary's Mitigation Plan (5.2.1):
Detailed Description of Mitigation Action Item Including Community and Air Quality Benefits (5.2.2):
Estimate of Anticipated NOx Reductions (5.2.3):
Identification of Governmental Entity Responsible for Reviewing and Auditing Expenditures of Eligible Mitigation Action Funds to Ensure Compliance with Applicable Law (5.2.7.1):
Describe how the Beneficiary will make documentation publicly available (5.2.7.2).
Describe any cost share requirement to be placed on each NOx source proposed to be mitigated (5.2.8).
Describe how the Beneficiary complied with subparagraph 4.2.8, related to notice to U.S. Government Agencies (5.2.9).

If applicable, describe how the mitigation action will mitigate the impacts of NOx emissions on communities that have historically borne a disproportionate share of the adverse impacts of such emissions (5.2.10).

ATTACHMENTS
(CHECK BOX IF ATTACHED)

- Attachment A Funding Request and Direction.
- Attachment B Eligible Mitigation Action Management Plan Including Detailed Budget and Implementation and Expenditures Timeline (5.2.4).
- Attachment C Detailed Plan for Reporting on Eligible Mitigation Action Implementation (5.2.11).
- Attachment D Detailed cost estimates from selected or potential vendors for each proposed expenditure exceeding \$25,000 (5.2.6). [Attach only if project involves vendor expenditures exceeding \$25,000.]
- Attachment E DERA Option (5.2.12). [Attach only if using DERA option.]
- Attachment F Attachment specifying amount of requested funding to be debited against each beneficiary's allocation (5.2.13). [Attach only if this is a joint application involving multiple beneficiaries.]

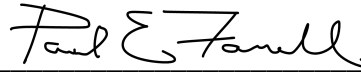
CERTIFICATIONS

By submitting this application, the Lead Agency makes the following certifications:

1. This application is submitted on behalf of Beneficiary _____, and the person executing this certification has authority to make this certification on behalf of the Lead Agency and Beneficiary, pursuant to the Certification for Beneficiary Status filed with the Court.
2. Beneficiary requests and directs that the Trustee make the payments described in this application and Attachment A to this Form.
3. This application contains all information and certifications required by Paragraph 5.2 of the Trust Agreement, and the Trustee may rely on this application, Attachment A, and related certifications in making disbursements of trust funds for the aforementioned Project ID.
4. Any vendors were or will be selected in accordance with a jurisdiction's public contracting law as applicable. (5.2.5)
5. Beneficiary will maintain and make publicly available all documentation submitted in

support of this funding request and all records supporting all expenditures of eligible mitigation action funds subject to applicable laws governing the publication of confidential business information and personally identifiable information. (5.2.7.2)

DATED: _____



Paul E. Farrell
Director of Air Planning

[LEAD AGENCY]

for

[BENEFICIARY]

APPENDIX D-4 – Supplemental Information Beneficiary Eligible Mitigation Action Certification

Beneficiary: State of Connecticut

Lead Agency: Department of Energy and Environmental Protection

In support of funding request No. 8 – Class 8 Local Freight Trucks and Port Drayage Trucks (Large Trucks)

Appendix D-4-Summary

Explanation of how funding request fits into Beneficiary’s Mitigation Plan (5.2.1):

The State of Connecticut (State), pursuant to the 2018 Mitigation Plan, filed with Wilmington Trust (WT) on April 26, 2018, outlined a protocol for the selection of on-road vehicle replacement projects, including replacement of Class 8 Local Freight Trucks and Port Drayage Trucks (Large Trucks), to protect the state's air quality and the health of vulnerable populations. The primary goal of the State’s 2018 Mitigation Plan is to improve and protect ambient air quality by selecting and implementing eligible mitigation projects that will (1) achieve significant and sustained cost effective reductions in Nitrogen Oxide (NO_x) emissions, (2) support statewide energy, environmental and economic development goals and (3) reduce impacts on environmental justice and other impacted communities.

Transportation emissions significantly impact the State’s air quality and attainment designation, being the source of 65% of the State’s NO_x emissions; and 44% of its greenhouse gas (GHG) emissions. The funding identified in the 2018 Mitigation Plan (mitigation funding or mitigation funds) will provide the State an opportunity to mitigate the impact of excess NO_x emissions associated with Class 8 Trucks. Funding this request allows the replacement of forty-two (42) Class 8 trucks with MY 2020 and MY 2021 trucks, which will have immediate and long-lasting benefits for Connecticut's air quality.

Detailed Description of Mitigation Action Item Including Community and Air Quality Benefits (5.2.2):

Connecticut's Class 8 Large Truck Replacement Project will strive to balance the environmental and societal benefits among Connecticut's cities and towns that are impacted by NO_x emissions generated by on-road diesel-fueled vehicles. The expected benefits of the Class 8 Large Truck Mitigation project include reduction in the tons of pollution over the lifetime of the engines/vehicles, specifically NO_x, GHGs, and fine particulates. Decreasing air pollutants leads to improved ambient air quality and human health in communities located in nonattainment areas, areas with historical air quality issues, or in areas that bear a disproportionate share of the air pollution burden. Such communities are often located along highway corridors in urban settings, thoroughfares most frequently travelled by Class 8 trucks. Significant health benefits accrue from reduced public exposure to diesel particulate matter, which the U.S. Environmental Protection Agency (EPA) has classified as a likely human carcinogen. Decreasing the number of work and school days lost to asthma, chronic obstructive pulmonary disease (COPD) and other health conditions aggravated by air pollution benefits the local economy. An additional economic benefit derived from technology advances on the new trucks is improved energy efficiency which saves money by decreasing fuel consumption while reducing engine emissions. The reduction in emissions of the ozone precursor, NO_x, from these projects will be a benefit in a state that is in nonattainment with both the 2008 and 2015 National Ambient Air Quality Standards (NAAQS) for ozone. The selected truck replacement projects will

also decrease diesel particulates in the New York/New Jersey/Connecticut maintenance area for fine particulate matter (PM_{2.5}).

In order to achieve the goal of the 2018 Mitigation Plan, it is a priority to fund sizeable and/or transformative projects designed to achieve the greatest emission reduction for the dollar (i.e. capital cost effectiveness in dollars/ton). To meet this priority, proposals from Bozzuto's, Town of East Hartford (East Hartford), H.I. Stone & Son Inc. (H.I. Stone), R+L Transfer, Inc. (R+L), Sysco Leasing, LLC (Sysco) and USA Hauling & Recycling (USA Waste) were selected for funding under the Class 8 Large Truck Replacement mitigation action category. The Bozzuto's trucks will be used to transport food and household products from Cheshire, CT to retailers in Connecticut, New England, New York and New Jersey. The four (4) East Hartford trucks will be used for the collection and disposal of residential solid waste and recyclables as part of East Hartford's Waste Services Division in the Department of Public Works. The project will enhance air quality by reducing diesel emissions through the replacement of outdated diesel engine technology with newer diesel or compressed natural gas (CNG)-powered equivalents. H.I. Stone will replace two (2) Class 8 diesel trucks with equivalent diesel trucks to be used for various purposes in some of the more congested areas in Connecticut including Waterbury, Hartford, Greenwich and Stamford. The eight new R+L tractors will be operated on pickup and delivery routes during the day and line-haul (i.e. short-haul) routes at night. The tractors are based out of different terminals that serve Hartford, New Haven and Wallingford that each supply clients throughout the State of Connecticut. The fifteen (15) new Sysco trucks will be used to distribute food products to restaurants, healthcare and educational facilities, lodging establishments and other customers throughout Connecticut. USA Waste will replace eight (8) Class 8, diesel-powered refuse trucks with 2020 Model Year (MY) CNG-powered equivalents. The trucks will be used to collect refuse and recyclables in and around Waterbury, New Britain, Hartford, Bridgeport, East Hartford, Bristol, Meriden, Enfield, Naugatuck, and New Haven, CT. There will be a significant reduction in NO_x emissions with the switch from diesel to CNG.

Additionally, all six grant recipients, Bozzuto's, East Hartford, H.I. Stone, R + L, Sysco and USA Hauling, implement anti-idling programs, satisfying a preferential criteria as outlined in the Diesel Mitigation Plan and during the selection process.

Estimate of Anticipated NO_x Reductions (5.2.3):

The estimated emissions were calculated using the EPA's Diesel Emissions Quantifier (DEQ.) For the CNG projects, Argonne National Lab's Alternative Fuel Life-Cycle Environmental and Economic Transportation (AFLEET) tool was used to project the baseline emissions of the new, CNG-powered trucks. The anticipated NO_x emissions reductions from the Class 8 truck mitigation project is 16.12 tons per year (tpy) and lifetime NO_x emissions reduction from this group is 50.12 tpy.

Describe how the Beneficiary will make documentation publicly available (5.2.7.2):

Complete information and documentation will be posted on DEEP's Volkswagen incentive program website at: <https://portal.ct.gov/DEEP/Air/Mobile-Sources/VW/VW-Settlement---Home>; promotional materials will also be posted and cross-linked on DEEP's DERA Grants page at: <https://portal.ct.gov/DEEP/Air/Mobile-Sources/DERA-Grants> and on its [Drive Clean CT](#) Facebook Page.

Describe any cost share requirement to be placed on each NO_x source proposed to be mitigated (5.2.8):

Connecticut's 2018 Mitigation Plan outlines that diesel mitigation funds will provide for non-government owned large trucks:

- Up to 40% of the cost of a repower with a new diesel or alternate fueled engine, including the costs of installation of the engine,

- Up to 25% of the cost of a new diesel or alternate fueled vehicle. The only exception to this limit is for eligible port drayage trucks, which are eligible for up to 50% of the cost of a new diesel or alternate fueled vehicle,
- Up to 60% of the cost of a repower with a new all-electric engine, including the costs of installation of such engine, and charging infrastructure associated with the new all-electric engine; and
- Up to 60% of the cost of a new all-electric vehicle, including charging infrastructure associated with the new all-electric vehicle.

For Government Owned Eligible Class 8 Large Trucks, Beneficiaries may draw funds from the Trust in the amount of:

- Up to 65% of the cost of a repower with a new diesel or alternate fueled engine, including the costs of installation of such engine,
- Up to 65% of the cost of a new diesel or alternate fueled vehicle,
- Up to 65% of the cost of a repower with a new all-electric engine, including the costs of installation of such engine, and charging infrastructure associated with the new all-electric engine; and
- Up to 65% of the cost of a new all-electric vehicle, including charging infrastructure associated with the new all-electric vehicle.

The six projects selected for the second round of the Class 8 Freight Truck Replacement Project include Bozzuto's (five (5) diesel tractors), East Hartford (four (4) refuse trucks), H.I. Stone (two (2) diesel trucks), R+L (eight (8) diesel tractors), Sysco (fifteen (15) heavy duty freight trucks), and USA Hauling & Recycling (two (2) CNG tractors and six (6) CNG refuse trucks). Bozzuto's and H.I. Stone were awarded 25% of the cost of the new trucks, which results in a 75% cost share for each grantee. East Hartford was awarded 60% of the cost of the four refuse trucks, which results in a 40% cost share for East Hartford. Awarded 20% of the cost to replace eight diesel tractors, R+L Transfer will contribute 80% of the cost. Sysco was awarded 22% of the cost of the fifteen new trucks, resulting in a cost share of 78% for Sysco. Awarded 23.6% of the cost to replace eight refuse trucks, USA Hauling will contribute 76.4% of the cost. A total of \$2,307,937.59 has been allocated from Trust funds for this Class 8 trucks replacement mitigation project. The second round of the Class 8 Truck Diesel Mitigation Project will replace a total of forty-two (42) Class 8 diesel trucks.

Describe how the Beneficiary complied with subparagraph 4.2.8, related to notice to U.S. Government Agencies (5.2.9):

On February 22, 2018, within 30 days of the State being named a Beneficiary, the Connecticut Department of Energy and Environmental Protection (DEEP), the State's Lead Agency as designated in accordance with the requirements specified in Appendix D-3, contacted, by U.S. Post and electronic mail, the U.S. Departments of Agriculture and Interior, as specified in subparagraph 4.2.8, plus the Bureau of Indian Affairs, the Defense Department and Bureau of Prisons, all of which have lands in the state.

If applicable, describe how the mitigation action will mitigate the impacts of NO_x emissions on communities that have historically borne a disproportionate share of the adverse impacts of such emissions (5.2.10):

The reduction of NO_x from the Class 8 Trucks portion of Connecticut's transportation sector will improve air quality and protect human health across the state and especially in environmental justice and other underserved communities. The replacement of Class 8 trucks has the potential to positively impact air quality in environmental justice communities because the heavy duty vehicles selected for these grants operate in congested urban areas, collect refuse in environmental justice communities and distressed neighborhoods, and distribute food and household products to retailers in similarly impacted communities

across New England, New York, New Jersey and Pennsylvania. The Bozzuto's project will enhance air quality and have health benefits in neighborhoods along transportation routes. H.I. Stone trucks travel in heavily congested urban areas in Connecticut including Waterbury, Hartford, Greenwich and Stamford; operating on these congested highways in urban areas create excessive idling. The new H.I. Stone trucks will reduce idling and will be equipped with Diesel Particulate Filters (DPFs) and Selective Catalytic Reduction (SCR) that will further reduce NO_x emissions. Replacing diesel refuse trucks, which operate and idle in residential neighborhoods, has immediate benefits to the residents of those neighborhoods; the East Hartford and USA projects will have a positive health impact in many municipalities along those refuse collection routes that are distressed or have been disproportionately impacted by air pollution from diesel vehicles. By converting two of East Hartford's refuse trucks and USA Hauling's fleet from diesel to low emitting CNG refuse trucks, the NO_x reductions from the new refuse trucks will be even greater. Additional technology improvements will allow the refuse truck engines to operate more efficiently and allow the trucks to collect waste faster thus reducing the idle time at each refuse collection stop and increasing on-route productivity. Replacing the Sysco food delivery trucks with the newest generation of clean diesel power decreases pollution in the communities they serve. The project will enhance air quality in the surrounding residential neighborhoods by reducing NO_x emissions by 89% and decreasing fuel consumption. The R+L and Sysco projects will decrease diesel particulates in the New York/New Jersey/Connecticut maintenance area for fine particulate matter resulting in health benefits in neighborhoods along those transportation routes that have been disproportionately impacted by air pollution from diesel vehicles.

The selection criteria prioritized areas that receive a disproportionate quantity of air pollution from diesel fleets such as, but not limited to, ports, rail yards, truck stops, airports, terminals, and bus depots. Since East Hartford and USA Hauling's trucks are heavy duty vehicles that move slowly and idle often, this has an adverse effect on the communities they serve. The replacement refuse trucks run throughout Bridgeport, East Hartford, Meriden, New Haven, Waterbury and the surrounding distressed neighborhoods. The reduction in diesel pollutants from the R+L and Sysco freight trucks will have health benefits for all individuals and neighborhoods along those transportation routes that have been disproportionately impacted by air pollution from diesel vehicles. The areas adjacent to the R+L terminals in Hartford, New Haven and Wallingford as well as the neighborhoods surrounding the Sysco distribution center, located in Hartford county, will experience improved air quality and health benefits from the new trucks. The areas surrounding the distribution center H.I. Stone trucks operate in Hartford and Waterbury which are cities traversed by major highways, thus receiving a disproportionate quantity of air pollution from diesel fleets. Finally, Bozzuto's food distribution trucks travel throughout Connecticut from a location in Cheshire, which is in nonattainment for ozone and a maintenance area for PM_{2.5}, driving through many areas within the state that also bear an increased share of the air pollution burden.

**ELIGIBLE MITIGATION ACTION MANAGEMENT PLAN INCLUDING DETAILED
BUDGET AND IMPLEMENTATION AND EXPENDITURES TIMELINE**

ATTACHMENT B

**PROJECT MANAGEMENT PLAN
PROJECT SCHEDULE AND MILESTONES
CLASS 8 FREIGHT/ LARGE TRUCKS CATEGORY**

Project Management Plan– Project Schedule and Milestones

Milestone	Date
Connecticut submitted its beneficiary form to US District Court, CA Northern District and to the Trustee	October 2017
Connecticut certified as a Designated Beneficiary under the VW Trust	January 29, 2018
Connecticut submitted its final mitigation plan to Wilmington Trust (the Trustee).	April 26, 2018
Request for Round 2 Proposals Announced	August 1, 2019
DEEP Informational Webinar	August 7, 2019
Request for Round 2 Proposals Closing - Application Deadline	September 16, 2019
Round 2 Awards Selected and Notification sent to Awardees/Recipients	November 22, 2019
Recipients enter into Contracts, Purchase Orders	CY 2020, Q1
Class 8 Trucks Delivered	CY 2020, Q2 – Q4
Recipients submit proof of destruction and scrappage documentation	CY 2021, Q1- Q2
DEEP Receives all required invoices and documentation	Upon completion but no later than May 31, 2021*
DEEP reviews, requests corrections if necessary, certifies project completion, and provides reimbursement.	CY2020, Q4 – CY2021, Q1-Q2
DEEP reports to Trustee on status of and expenditures with Mitigation Actions completed and underway	Within 6 months of first disbursement; January 30 and July 30 thereafter

*In light of the current impacts of COVID 19, DEEP may grant extensions to this deadline requested as a result of disruptions in production or other related issues affecting awardees.

Project Budget

Budget Category	Total Approved Project Budget	Share of Total Budget Funded by the Trust	Cost Share (Paid by Recipients)
Equipment Expenditure			
Bozzuto's – Recipient #1	\$700,000.00	\$175,000.00	\$525,000.00
Percentage of Total Project Cost for Recipient #1	100%	25%	75%
East Hartford –Recipient #2	\$ 1,062,980.00	\$ 637,780.00	\$425,200.00
Percentage of Total Project Cost for Recipient #2	100%	60%	40%
H.I. Stone & Son –Recipient #3	\$289,209.02	\$72,302.26	\$216,906.77
Percentage of Total Project Cost for Recipient #3	100%	25%	75%
R + L Transfer – Recipient #4	\$918,600.00	\$183,720.00	\$734,880.00
Percentage of Total Project Cost for Recipient #4	100%	20%	80%
Sysco –Recipient #5	\$1,575,000.00	\$346,500.00	\$1,228,500.00
Percentage of Total Project Cost for Recipient #5	100%	22%	78%
USA Hauling – Recipient #6	\$2,510,000.00	\$591,600.00	\$1,918,400.00
Percentage of Total Project Cost for Recipient #6	100%	23.6%	76.4%
Project Totals	\$7,055,789.02	\$2,006,902.26	\$5,048,886.77
DEEP Administrative ¹	\$301,035.34	\$301,035.34	\$0
Project Totals with DEEP Administrative	\$7,356,824.36	\$2,307,937.59	\$5,048,886.77

¹Subject to Appendix D-2 15% administrative cap

PROJECTED TRUST ALLOCATIONS

PROJECTED TRUST ALLOCATIONS

	2017	2018	2019 - 2020	2020-2021
1. Anticipated Annual Project Funding Request to be paid through the Trust	\$0	\$0	\$0	\$2,307,937.59
2. Anticipated Annual Cost Share	\$0	\$0	\$0	\$5,048,886.77
3. Anticipated Total Project Funding by Year (line 1 plus line 2)	\$0	\$0	\$0	\$7,356,824.36
4. Cumulative Trustee Payments Made to Date Against Cumulative Approved Beneficiary Allocation	\$0	\$0	\$2,852,785.39	\$0
5. Current Beneficiary Project Funding to be paid through the Trust (line 1)	\$0	\$0	\$0	\$2,307,937.59
6. Total Funding Allocated to Beneficiary, inclusive of Current Action by Year (line 4 plus line 5)	\$0	\$0	\$0	\$2,307,937.59
7. Beneficiary Share of Estimated Funds Remaining in the Trust	\$0	\$0	\$0	\$48,278,708.97
8. Net Beneficiary Funds Remaining in Trust, net of cumulative Beneficiary Funding Actions (line 7 minus line 6)	\$0	\$0	\$0	\$45,970,771.38

ATTACHMENT B

ELIGIBLE MITIGATION ACTION MANAGEMENT PLANS

ATTACHMENT B-1

ELIGIBLE MITIGATION ACTION MANAGEMENT PLAN FOR BOZZUTO'S

Bozzuto’s Eligible Mitigation Action Management Plan - 2019

Purpose: The purpose of this project is to replace the five (5) MY 2001-2006 Class 8 trucks listed below with 2021 Model Year (MY) Kenworth T680. The trucks will be used to transport food and household products from Cheshire, CT to retailers in Connecticut, New England, New York and New Jersey. Because of technology advances on the new trucks, the project will enhance air quality by reducing engine emissions and improve engine efficiency by decreasing fuel consumption. The reduction in emissions of the ozone precursor, nitrogen oxides, will be a benefit in a state that is in serious nonattainment with the National Ambient Air Quality Standards for Ozone. The project will also decrease diesel particulates in a New York/New Jersey/Connecticut maintenance area for fine particulate matter and will have health benefits in neighborhoods along those transportation routes that have been disproportionately impacted by air pollution from diesel vehicles.

Unit Number	Vehicle Class or Type of Equipment	Engine Make	Engine Model	Engine Model Year	Vehicle Identification Number(VIN)	Engine Serial Number
2001	Class 8	Caterpillar	C12	1999	2FWYHEDB0YAG05126	2KS19040
2003	Class 8	Detroit	6067MK60	1998	2FWYHZYB5YAG05124	06R0528397
2004	Class 8	Detroit	6067MK60	1998	2FWYHZYB5YAG17516	06R0528395
2005	Class 8	Detroit	6067MK60	1998	2FWYHZYB6YAG18707	06R0568163
2006	Class 8	Detroit	6067MK60	1998	2FWYHZYB6YAG18710	06R0582283

Bozzuto’s, Inc. shall be responsible for all phases of the project including project management services and materials as needed to complete this project. Completion of the project shall include documentation of the scrapping of the replaced trucks.

Project Title: *Bozzuto’s Inc. Fleet Truck Repower*

Description: Following the approval of this Eligible Mitigation Action Management Plan (Plan), Bozzuto’s Inc. (Bozzuto’s) shall begin providing the services outlined in the plan, and continue to provide services through the completion of the project, which will be no later than May 31, 2021 unless extended by DEEP.

1. Funding:

The Connecticut Department of Energy and Environmental Protection (DEEP) is granting \$175,000.00 in 2019 Volkswagen NOx Mitigation Trust funding to Bozzuto’s, the grantee. Bozzuto’s has agreed to contribute an estimated additional \$525,000.00 to the above referenced project through a combination of cash and in kind services, bringing the estimated total value of the project to \$700,000.00. Payment is contingent upon documentation of the completion of the tasks outlined in this Plan.

2. Work Tasks

The Plan is summarized according to the following three tasks:

Task 1: Planning and Procurement

Task 2: Delivery and Scrappage

Task 3: Provide Updates and Information for Semi-Annual and Other Reports as Required

Task 1: Planning and Procurement:

Bozzuto's shall conduct the project, provide oversight and track project progress. To ensure timely completion of the project, Bozzuto's shall include, in this Plan, a work plan with a schedule of expected target dates, milestones, responsible parties and completion dates to achieve specific tasks and accomplishments during the budget and project period. The schedule must be approved and signed by Bozzuto's and DEEP.

Bozzuto's may use their own procurement processes to identify possible vendors for the purchase of the trucks. However, those procurement procedures must reflect all applicable Federal, State and local laws, rules and regulations. The requirements for accessing VW Trust funds require the submission of detailed cost estimates from selected or potential vendors for each proposed expenditure exceeding \$25,000 (Section 5.2 of the Environmental Mitigation Trust Agreement for State Beneficiaries (Mitigation Trust Agreement) between Connecticut, as a State Beneficiary, and Wilmington Trust (Item 3 below).

Task 1 Deliverables:

- Approved work plan with project timeline/schedule
- Estimates or proposals from potential vendors
- Summary of criteria used for selecting Vendor and name of Vendor selected (lowest bid is not required)
- Copy of Purchase Order issued for new trucks
- Documentation of down payments or other up-front payments made for the project

Task 2: Delivery of New Trucks and Scrappage of Replaced Trucks, Completion of Project:

After selecting a Vendor and issuing a Purchase Order for the new trucks, Bozzuto's will track the progress of the manufacturing and outfitting of the new trucks for their intended use. When that process is complete, Bozzuto's shall take delivery of the vehicles.

Bozzuto's shall render the replaced vehicles and their engines inoperable, in accordance with Mitigation Trust Agreement requirements for scrappage under the VW grant. This will include cutting the frames and drilling the engines to render the vehicle inoperable. Bozzuto's shall provide documentation that the vehicles have been scrapped. Bozzuto's shall submit to DEEP an invoice for payment, along with confirmation that the project has been completed.

Task 2 Deliverables:

- Invoice from the Vendor for delivered truck and documentation of payment to Vendor

- Completed copy of Certificate of Engine/Chassis Destruction (See Appendix A)
- Required photographic scrappage documentation for replaced truck:
 - VIN plate
 - Engine plate showing serial number
 - Side profile of vehicle before destruction
 - Cut chassis rails
 - Engine block before drilling
 - Engine block with 3-inch diameter hole
- Confirmation that the project is completed and that the trucks are operating satisfactorily for their intended use
- Completed copy of Final Request for Payment Form with attachments submitted to DEEP for reimbursement under the grant

Task 3: Provide Updates and Information for Quarterly and Other Reports as Required.

Bozzuto's shall provide DEEP with status updates to be included in DEEP's semi-annual reports to Wilmington Trust. Semi-annual progress updates will be requested before the 1st of the month following the end of each half year (i.e., July 1, 2020, and January 1, 2021). Follow-up status reports may be requested after May of 2021. Bozzuto's will also contribute material necessary for a final report upon completion of the project, which shall be no later than May 31, 2021 unless extended by DEEP. Items to be provided may include, but will not be limited to:

- Environmental results;
- Work plan accomplishments;
- Challenges encountered during planning and implementation;
- Emissions reductions;
- Budgetary issues, including funds expended;
- Public relations activities;
- Technical and identification information for vehicles and engines; and
- Jobs preserved or created.

Task 3 Deliverables:

- *Status Updates for Semi-annual Reports*
- *Any required material for Final Report*

3. VW Mitigation Trust Grant Conditions

Bozzuto's commits to comply with the conditions listed in the Mitigation Trust Agreement between Connecticut, as a State Beneficiary, and Wilmington Trust, which is attached as Appendix B.

4. Submission of Materials:

For the purposes of this Plan, all correspondence, summaries, reports, products, requests and invoices shall be submitted to:

Patrice Kelly (Assigned Project Manager)
 Department of Energy and Environmental Protection
 Bureau of Air Management
 79 Elm Street
 Hartford, CT 06106-5127
 E-Mail: patrice.kelly@ct.gov

5. Extensions/Amendments:

Formal written amendment of the agreement is required for changes to the terms and conditions specifically stated in the original agreement and any prior amendments.

Time extensions may be granted, under certain circumstances, upon request. **Otherwise, the Project must be completed by May 31, 2021.**

6. Schedule of Tasks & Payments:

Payments by Wilmington Trust shall allow for use of funds to meet allowable financial obligations incurred in conjunction with this Project and shall be scheduled as follows, provided that the total sum of all grant payments shall not exceed 25% of your project costs up to \$175,000.00.

Schedule of Tasks & Payments

Task & Deliverables	Task Delivery Date	Estimated Budget		
		Wilmington Trust	BOZZUTO'S Cost-Share	Project Total
1. Planning & Procurement: <ul style="list-style-type: none"> Approved work plan with project timeline/schedule Estimates or proposals from potential vendors Summary of criteria used for selecting Vendor and name of Vendor selected 	September 27, 2020	\$0	\$0	\$0
<ul style="list-style-type: none"> Copy of Purchase Order issued for new trucks Documentation of down payments or other up-front payments made for the project 	October-November, 2020	\$0	\$0	\$0
2. Delivery of New Trucks, Scrappage of Replaced Trucks, Completion of Project <ul style="list-style-type: none"> Invoice from the Vendor for delivered trucks and documentation of payment to Vendor 	May 31, 2021	\$0	\$700,000.00	\$700,000.00
<ul style="list-style-type: none"> Completed copy of Certificate of Engine/Chassis Destruction Required photographic scrappage documentation for replaced trucks Confirmation that the project is completed and that the trucks are operating satisfactorily for their intended use Completed copy of Final Request for Payment Form with attachments submitted to DEEP 	May 31, 2021	\$175,000.00	-\$175,000.00	\$0

3. Provide Updates and Information for Semi-Annual and Other Reports				
• Status Update for First Semi-Annual Report	07/01/20			
• Status Update for Second Semi-Annual Report	01/01/21			
• Status Update for Third Semi-Annual Report	07/01/21			
• Status Update for Fourth Semi-Annual Report.	01/01/22	\$0	\$0	\$0
• Status Update for Fifth Semi-Annual Report.	07/01/22			
• Status Update for Sixth Semi-Annual Report.	01/01/23			
• Required material for Final Report (upon completion but no later than 05/31/21)	05/31/21			
Total:		\$175,000.00	\$525,000.00	\$700,000.00

Payment for each task referenced above cannot exceed the budgeted amount for each task. Total Payment shall not exceed a maximum of \$175,000.00, which shall constitute full and complete compensation from the Wilmington Trust for the replacement of 5 Class 8 trucks. The total sum of all payments shall not exceed total funds committed by DEEP.

Payment is contingent upon completion of the tasks outlined in this Plan and providing documentation of compliance with the Mitigation Trust Agreement, between DEEP and Wilmington Trust, which is attached as Appendix B.

Signature, Bozzuto's Authorized Representative  4/21/2020
 Typed Name: Chris Sferruzzo Date

Signature, DEEP Assigned Project Manager  4/22/20
 Typed Name: Patrice P. Kelly Date

ATTACHMENT B-2

ELIGIBLE MITIATION ACTION MANAGEMENT PLAN FOR EAST HARTFORD

Town of East Hartford Eligible Mitigation Action Management Plan

Purpose: The purpose of this project is to replace the four (4) Class 8, diesel-powered refuse trucks listed below with 2020 or later Model Year (MY) diesel or compressed natural gas (CNG)-powered equivalents. The trucks will be used for the collection and disposal of residential solid waste and recyclables as part of East Hartford's Waste Services Division in the Department of Public Works. The project will enhance air quality by reducing diesel emissions through the replacement of outdated diesel engine technology with newer diesel or CNG equivalents. The significant reduction in emissions of the ozone precursor, nitrogen oxides, will be a benefit in a state that is in nonattainment with the National Ambient Air Quality Standards for Ozone. The project will also decrease diesel particulates in the New York/New Jersey/Connecticut maintenance area for fine particulate matter and will have health benefits in neighborhoods along those collection routes that have been disproportionately impacted by air pollution from diesel vehicles.

Unit Number	Vehicle Class or Type of Equipment	Engine Make	Engine Model	Engine Model Year	Vehicle Identification Number (VIN)	Engine Serial Number	Replacement Fuel
1029	Refuse Truck	International	DT466E	1999	1HTSDAAR2YH699339	469JM2U1175069	Diesel
1060	Refuse Truck	Cummins	ISM 320V	2002	1NPZL00X16D716332	E535121676	CNG
1063	Refuse Truck	Cummins	ISM	2007	3BPZL00X88F718128	35201569	CNG
1068	Refuse Truck	Cummins	N14	2000	1HTXHAET31J086662	12004171	Diesel

East Hartford shall be responsible for all phases of the project including project management services and materials as needed to complete this project. Completion of the project shall include documentation of the scrappage of the replaced trucks.

Project Title: *East Hartford Emissions Reductions Initiative*

Description: Following the approval of this Eligible Mitigation Action Management Plan (Plan), East Hartford shall begin providing the services outlined in the plan, and continue to provide services through the completion of the project, which will be no later than May 31, 2021 unless extended by DEEP.

1. Funding:

The Connecticut Department of Energy and Environmental Protection (DEEP) is granting \$637,780.00 in 2018 Volkswagen NOx Mitigation Trust funding to the Town of East Hartford, the grantee. The Town of East Hartford has agreed to contribute an estimated additional \$425,200.00 to the above referenced project through a combination of cash and in kind services, bringing the estimated total value of the project to approximately \$1,062,980.00. Payment is contingent upon documentation of the completion of the tasks outlined in this Plan.

2. Work Tasks

The Plan is summarized according to the following three tasks:

Task 1: Planning and Procurement

Task 2: Delivery and Scrappage

Task 3: Provide Updates and Information for Semi-Annual and Other Reports as Required

Task 1: Planning and Procurement:

East Hartford shall conduct the project, provide oversight and track project progress. To ensure timely completion of the project, East Hartford shall include, in this Plan, a work plan with a schedule of expected target dates, milestones, responsible parties and completion dates to achieve specific tasks and accomplishments during the budget and project period. The schedule must be approved and signed by East Hartford and DEEP.

East Hartford intends to purchase the replacement equipment by engaging Vendors under contract with the Connecticut Department of Administrative Services (DAS) and Sourcewell (formerly the National Joint Powers Alliance or NJPA). DAS and Sourcewell procurement procedures reflect all applicable Federal, State and local laws, rules and regulations, and meet the conditions outlined in the VW Trust Agreement between Connecticut, as a State Beneficiary, and Wilmington Trust (Item 3 below)). East Hartford will provide documentation of any payments made in association with the project.

Task 1 Deliverables:

- Approved work plan with project timeline/schedule
- Estimates or proposals from competing vendors or procurement through a state contract or approved purchasing cooperative
- Summary of criteria used for selecting Vendor and name of Vendor selected (lowest bid is not required)
- Copy of Purchase Order issued for new trucks
- Documentation of down payments or other up-front payments made for the project

Task 2: Delivery of New Trucks and Scrappage of Replaced Trucks, Completion of Project:

After selecting Vendors and issuing Purchase Orders for the new trucks, East Hartford will track the progress of the manufacturing and outfitting of the new trucks for their intended use. When that process is complete, East Hartford shall take delivery of the vehicles.

East Hartford shall render the replaced vehicles and their engines inoperable, in accordance with Mitigation Trust Agreement requirements for scrappage under the VW grant. This will include cutting the frames and drilling the engines to render the vehicle inoperable. East Hartford shall provide documentation that the vehicles have been scrapped. East Hartford shall submit to DEEP an invoice for payment, along with confirmation that the project has been completed.

Task 2 Deliverables:

- Invoice from the Vendor for delivered truck and documentation of payment to Vendor
- Completed copy of Certificate of Engine/Chassis Destruction (See Appendix A)
- Required photographic scrappage documentation for each replaced truck:
 - VIN plate
 - Engine plate showing serial number
 - Side profile of vehicle before destruction
 - Cut chassis rails
 - Engine block before drilling
 - Engine block with 3-inch diameter hole
- Confirmation that the project is completed and that the trucks are operating satisfactorily for their intended use
- Completed copy of Final Request for Payment Form with attachments submitted to DEEP for reimbursement under the grant.

Task 3: Provide Updates and Information for Quarterly and Other Reports as Required.

East Hartford shall provide DEEP with status updates to be included in DEEP's semi-annual reports to Wilmington Trust. Semi-annual progress updates will be requested before the 1st of the month following the end of each half year (i.e., July 1, 2020, and January 1, 2021). Follow-up status reports may be requested after May of 2021. East Hartford will also contribute material necessary for a final report upon completion of the project, which shall be no later than May 31, 2021 unless extended by DEEP. Items to be provided may include, but will not be limited to:

- Environmental results;
- Work plan accomplishments;
- Challenges encountered during planning and implementation;
- Emissions reductions;
- Budgetary issues, including funds expended;
- Public relations activities;
- Technical and identification information for vehicles and engines; and
- Jobs preserved or created.

Task 3 Deliverables:

- *Status Updates for Semi-annual Reports*
- *Any required material for Final Report*

3. VW Mitigation Trust Grant Conditions

East Hartford commits to comply with the conditions listed in the Mitigation Trust Agreement between Connecticut, as a State Beneficiary, and Wilmington Trust, which is attached as Appendix B.

4. Submission of Materials:

For the purposes of this Plan, all correspondence, summaries, reports, products, requests and invoices shall be submitted to:

Danny Ross (Assigned Project Manager)
 Department of Energy and Environmental Protection
 Bureau of Air Management
 79 Elm Street
 Hartford, CT 06106-5127
 E-Mail: danny.ross@ct.gov

5. Extensions/Amendments:

Formal written amendment of the agreement is required for changes to the terms and conditions specifically stated in the original agreement and any prior amendments.

Time extensions may be granted, under certain circumstances, upon request. **Otherwise, the Project must be completed by May 31, 2021.**

6. Schedule of Tasks & Payments:

Payments by Wilmington Trust shall allow for use of funds to meet allowable financial obligations incurred in conjunction with this Project and shall be scheduled as follows, provided that the total sum of all grant payments shall not exceed 60% of your project costs up to \$637,780.00.

Schedule of Tasks & Payments

Task & Deliverables	Task Delivery Date	Estimated Budget		
		Wilmington Trust	East Hartford Cost-Share	Project Total
1. Planning & Procurement: <ul style="list-style-type: none"> • Approved work plan with project timeline/schedule • Estimates or proposals from three potential vendors • Summary of criteria used for selecting Vendor and name of Vendor selected 	December 2019 – January 2020	\$0	\$0	\$0
<ul style="list-style-type: none"> • Copy of Purchase Order issued for new trucks • Documentation of down payments or other up-front payments made for the project 	February-March, 2020	\$0	\$0	\$0
2. Delivery of New Trucks, Scrappage of Replaced Trucks, Completion of Project <ul style="list-style-type: none"> • Invoice from the Vendor for delivered trucks and documentation of payment to Vendor 	December - 2020	\$0	\$1,062,980.00	\$1,062,980.00
<ul style="list-style-type: none"> • Completed copy of Certificate of Engine/Chassis Destruction • Required photographic scrappage documentation for replaced trucks • Confirmation that the project is completed and that the trucks are operating satisfactorily for their intended use • An invoice to DEEP for reimbursement under the grant 	March, 2021	\$637,780.00	-\$637,780.00	\$0
4. Provide Updates and Information for Semi-Annual and Other		\$0	\$0	\$0

Grant 201910672, Mitigation Action Management Plan, 12/19/2019

Reports	07/01/20			
• Status Update for First Semi-Annual Report	01/01/20			
• Status Update for Second Semi-Annual Report	07/01/20			
• Status Update for Third Semi-Annual Report	01/01/22			
• Status Update for Fourth Semi-Annual Report.	07/01/22			
• Status Update for Fifth Semi-Annual Report.	01/01/23			
• Status Update for Sixth Semi-Annual Report.	03/31/21			
• Required material for Final Report (upon completion but no later than 3/31/21)				
Total:		\$637,780.00	\$425,200.00	\$1,062,980.00

Payment for each task referenced above cannot exceed the budgeted amount for each task. Total Payment shall not exceed a maximum of \$637,780.00, which shall constitute full and complete compensation from the Wilmington Trust for the replacement of 4 diesel refuse trucks with 2 newer model diesel refuse trucks and 2 CNG refuse trucks. The total sum of all payments shall not exceed total funds committed by DEEP.

Payment is contingent upon completion of the tasks outlined in this Plan and providing documentation of compliance with the Mitigation Trust Agreement, between DEEP and Wilmington Trust, which is attached as Appendix B.

Signature, East Hartford
Authorized Representative

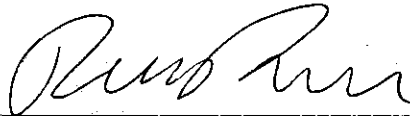


1/6/20

Typed Name: Marcia Leclerc, Mayor

Date

Signature, DEEP Assigned
Project Manager



1/7/20

Typed Name: Danny Ross

Date

Approved as to Form:



Richard Gentile
Assistant Corporation Counsel

ATTACHMENT B-3

ELIGIBLE MITIGATION ACTION MANAGEMENT PLAN FOR H.I. STONE & SON INC.

Eligible Mitigation Action Management Plan

Purpose: The purpose of this project is for H.I. Stone & Son Inc (H.I. Stone) to replace two Class 5 diesel trucks and two Class 8 diesel trucks, described in Appendix A, with equivalent diesel trucks described in Appendix B. The new trucks will be used for various purposes in some of the more congested areas in Connecticut including Waterbury, Hartford, Greenwich and Stamford. Because of technology advances on the new trucks, the project will enhance air quality by reducing engine emissions and improve engine efficiency by decreasing fuel consumption. The reduction in emissions of the ozone precursor, nitrogen oxides, will be a benefit in a state that is in nonattainment with the National Ambient Air Quality Standards for Ozone and in several neighborhoods that have been disproportionately impacted by air pollution from diesel vehicles.

H.I. Stone shall be responsible for all phases of the project including project management services and materials as needed to complete this project. Completion of the project shall include documentation of the scrappage of the replaced trucks.

Project Title: *Replacement of Two Class 8 & Two Class 5 Diesel Trucks*

Description: Following the approval of this Eligible Mitigation Action Management Plan (Plan), H.I. Stone shall begin providing the services outlined in this Plan, and continue to provide services through the completion of the project, which will be no later than May 31, 2021.

1. Funding:

The Connecticut Department of Energy and Environmental Protection (DEEP) is granting a maximum of \$152,161 in 2019 Volkswagen NOx Mitigation Trust funding to H.I. Stone, the grantee. H.I. Stone has agreed to contribute an estimated additional \$456,483 to the above referenced project through a combination of cash and in kind services, bringing the estimated total value of the project to \$608,646. Payment is contingent upon documentation of the completion of the tasks outlined in this Plan.

2. Work Tasks

The Eligible Mitigation Action Management Plan is summarized according to the following three tasks:

Task 1: Planning and Procurement

Task 2: Delivery and Scrappage

Task 3: Provide Updates and Information for Semi-Annual and Other Reports as Required

Task 1: Planning and Procurement:

H.I. Stone shall conduct the project, provide oversight and track project progress. To ensure timely completion of the project, H.I. Stone shall include, in this Plan, a work plan with a schedule of expected target dates, milestones, responsible parties and completion dates to achieve specific tasks and accomplishments during the budget and project period. The schedule must be approved by DEEP and H.I. Stone.

H.I. Stone may use their own procurement processes to identify possible vendors for the purchase of the trucks. However, those procurement procedures must reflect all applicable Federal, State and local laws, rules and regulations. The requirements for accessing VW Trust funds require the submission of detailed cost estimates from selected or potential vendors for each proposed expenditure exceeding \$25,000. This is described in Section 5.2 of the Environmental Mitigation Trust Agreement for State Beneficiaries (Mitigation Trust Agreement) between Connecticut, as a State Beneficiary, and Wilmington Trust, which is attached as Appendix D.

Task 1 Deliverables:

- Approved work plan with project timeline/schedule
- Estimates or proposals from potential vendors
- Summary of criteria used for selecting vendor
- Name and address of vendor selected
- Copy of purchase order issued for new trucks
- Documentation of down payments or other up-front payments made for the project

Task 2: Delivery of New Trucks and Scrappage of Replaced Trucks, Completion of Project:

After selecting a vendor and issuing a purchase order for the new trucks, H.I. Stone will track the progress of the manufacturing and outfitting of the new trucks for their intended use. When that process is complete, H.I. Stone shall take delivery of the vehicles.

H.I. Stone shall render the replaced vehicles and their engines inoperable, in accordance with Mitigation Trust Agreement requirements for scrappage under the VW grant. Disabling the engine consists of cutting, drilling, and at a minimum punching a three inch by three-inch (3" x 3") hole in the engine block. Disabling the chassis consists of cutting completely through the frame/frame-rails on each side of the vehicle at a point located between the front and rear axles.

H.I. Stone shall provide documentation that the vehicles have been scrapped. H.I. Stone shall submit to DEEP an invoice for payment, along with confirmation that the project has been completed.

Task 2 Deliverables:

- Invoice from the vendor for delivered trucks and documentation of payment to vendor
- Completed copy of Certificate of Engine/Chassis Destruction (See Appendix C)
- Required photographic scrappage documentation for replaced trucks, at a minimum, must include:
 - Side profile of vehicle
 - VIN
 - Engine Label with serial number visible
 - Chassis rails cut in half
 - Engine block, prior to hole
 - Engine block, after hole
 - Other pictures as needed

- Confirmation that the project is completed and that the trucks are operating satisfactorily for their intended use
- A Completed copy of the Final Request for Payment Form with attachments to DEEP for reimbursement under the grant

Task 3: Provide Updates and Information for Semi-Annual and Other Reports as Required.

H.I. Stone shall provide DEEP with status updates to be included in DEEP's semi-annual reports to Wilmington Trust. Semi-annual progress updates will be requested before the 1st of the month following the end of each half year (i.e., July 1, 2019, and January 1, 2020). Follow-up status reports may be requested after May of 2021. H.I. Stone will also contribute material necessary for a final report to Wilmington Trust upon completion of the project, which shall be no later than May 31, 2021.

Items to be provided may include, but will not be limited to:

- Environmental results;
- Work plan accomplishments;
- Challenges encountered during planning and implementation;
- Emissions reductions;
- Budgetary issues, including funds expended;
- Public relations activities;
- Technical and identification information for vehicles and engines; and
- Jobs preserved or created.

Task 3 Deliverables:

- Status Updates for Semi-annual Reports
- Any required material for Final Report

3. VW Mitigation Trust Grant Conditions

H.I. Stone commits to comply with the conditions listed in the Mitigation Trust Agreement, between DEEP and Wilmington Trust, which is attached as Appendix D.

4. Submission of Materials:

For the purposes of this Plan, all correspondence, summaries, reports, products, requests and invoices shall be submitted to:

Kathleen Knight (Assigned Project Manager)
Department of Energy and Environmental Protection
Bureau of Air Management
79 Elm Street
Hartford, CT 06106-5127
E-Mail: Kathleen.Knight@ct.gov

5. Extensions/Amendments:

Formal written amendment of the agreement is required for changes to the terms and conditions specifically stated in the original agreement and any prior amendments.

Time extensions may be granted, under certain circumstances, upon request. **Otherwise, the Project must be completed by May 31, 2021.**

6. Schedule of Tasks & Payments:

Payments by the Commissioner shall allow for use of funds to meet allowable financial obligations incurred in conjunction with this Project and shall be scheduled as follows, provided that the total sum of all payments shall not exceed 25% of the total project cost with a maximum cap of \$152,161.00.

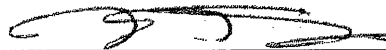
Task & Deliverables	Task Delivery Date	Estimated Budget		
		VW Funds	H.I. Stone Cost-Share	Project Total
1. Planning & Procurement <ul style="list-style-type: none"> Approved work plan with project timeline/schedule Estimates or proposals from potential vendors Summary of criteria used for selecting vendor Name and address of vendor selected 	December 2019 – January 2020	\$0	\$0	\$0
<ul style="list-style-type: none"> Copy of Purchase Order issued for new trucks Documentation of down payments or other up-front payments made for the project 	February - April 2020	\$0	\$0	\$0
2. Delivery of New Trucks, Scrappage of Replaced Trucks, Completion of Project <ul style="list-style-type: none"> Invoice from the vendor for delivered trucks and documentation of payment to vendor 	April – July 2020	\$0	\$608,644	\$608,644
<ul style="list-style-type: none"> Required photographic scrappage documentation for replaced trucks Completed copy of Certificate of Engine/Chassis Destruction Confirmation that the project is completed and that the trucks are operating satisfactorily for their intended use An invoice to DEEP for reimbursement under the grant 	May 31, 2021	\$152,161	-\$152,161	\$0
4. Provide Updates and Information for Semi-Annual and Other Reports <ul style="list-style-type: none"> Status Update for First Semi-Annual Report Status Update for Second Semi-Annual Report Status Update for Third Semi-Annual Report Status Update for Fourth Semi-Annual Report. Status Update for Fifth Semi-Annual Report. Required material for Final Report (upon completion but no later than 5/31/21) 	07/01/20 01/01/21 07/01/21 01/01/22 07/01/22 05/31/21	\$0	\$0	\$0
Total:		\$152,161	\$452,483	\$608,644

Payment for each task referenced above cannot exceed the budgeted amount for each task. Total Payment shall not exceed 25% of the total project cost with a maximum cap of \$152,161, which shall constitute full and complete compensation from the DEEP for the replacement of **2 Class 7 diesel trucks and 2 Class 8 diesel trucks**. The total sum of all payments shall not exceed total funds committed by DEEP.

Payment is contingent upon completion of the tasks outlined in this Plan and providing documentation of compliance with the Mitigation Trust Agreement, between DEEP and Wilmington Trust, which is attached as Appendix D.

Signature,
H.I. Stone & Son Inc

Authorized Representative



12-9-19

Typed Name

Chuck Stone Jr.

Date

Signature,
DEEP Assigned Project
Manager



12/09/2019

Typed Name

Kathleen L Knight

Date

Appendix A: Eligible Trucks to be Replaced

Vehicle Class	Vehicle Type	Engine Make	Engine Model	Engine Model Year	Vehicle Identification Number (VIN)	Engine Serial Number
Class 8	Local Freight	Cummings	L10	1995	1FDYK90L7SVA60368	34764836
Class 8	Local Freight	Cummings	L10	1995	1FDYK90L9SVA60369	34764620
Class 5	Local Freight	Duramax	LB7	2004	1GDE51C1164F508584	AVF03147034
Class 5	Local Freight	Duramax	LLY	2006	1GBE4C3285F504202	51504316

Appendix B: Replacement Vehicle Specifications

Note: Initial specifications for replacement vehicles below is preliminary based on the initial grant application and may change once actual vendor selection is completed.

Vehicle Class	Vehicle Type	Vehicle Make	Vehicle Model	Engine Model	Engine Model Year
Class 8	Tractor	Mack	PI64T	J08E-VB	2020
Class 8	Tractor	Mack	PI64T	J08E-VB	2020
Class 5	Dump Truck	Hino	338	MP8-505C	2020
Class 5	Dump Truck	Hino	338	MP8-505C	2020

ATTACHMENT B-4

ELIGIBLE MITIGATION ACTION MANAGEMENT PLAN FOR R +L TRANSFER

Eligible Mitigation Action Management Plan

Purpose: The purpose of this project is for R + L Transfer, Inc. (R+L) to replace eight Model Year 2004-2007 class 8 diesel tractors, described in Appendix A, with equivalent diesel tractors described in Appendix B. The new tractors will be operated on pickup and delivery routes during the day and line-haul (i.e. short-haul) routes at night. The tractors are based out of different terminals that serve Hartford, New Haven and Wallingford that each serve clients throughout the State of Connecticut. Because of technology advances on the new tractors, the project will enhance air quality by reducing engine emissions and improve engine efficiency by decreasing fuel consumption. The reduction in emissions of the ozone precursor, nitrogen oxides, will be a benefit in a state that is in nonattainment with the National Ambient Air Quality Standards for Ozone. The project will also decrease diesel fine particulate emissions. The reduction in diesel pollutants will have health benefits for all individuals and neighborhoods along those transportation routes that have been disproportionately impacted by air pollution from diesel vehicles.

R + L Transfer shall be responsible for all phases of the project including project management services and materials as needed to complete this project. Completion of the project shall include documentation of the scrapping of the replaced tractors.

Project Title: R + L Transfer, Inc. Connecticut Diesel Emission Mitigation Program Project.

Description: Following the approval of this Eligible Mitigation Action Management Plan (Plan), R + L Transfer shall begin providing the services outlined in this Plan and continue to provide services through the completion of the project, which will be no later than May 31, 2021.

1. Funding:

The Connecticut Department of Energy and Environmental Protection (DEEP) is granting a maximum of \$183,170.00 in Volkswagen NOx Mitigation Trust funding to R + L Transfer, the grantee. R + L Transfer has agreed to contribute an estimated additional \$734,880.00 to the above referenced project through a combination of cash and in-kind services, bringing the estimated total value of the project to \$918,600.00. Payment is contingent upon documentation of the completion of the tasks outlined in this Plan.

2. Work Tasks

The Eligible Mitigation Action Management Plan is summarized according to the following three tasks:

Task 1: Planning and Procurement

Task 2: Delivery and Scrappage

Task 3: Provide Updates and Information for Semi-Annual and Other Reports as Required

Task 1: Planning and Procurement:

R + L Transfer shall conduct the project, provide oversight and track project progress. To ensure timely completion of the project, R+L shall include, in this Plan, a work plan with a schedule of expected target dates, milestones, responsible parties and completion dates to achieve specific

tasks and accomplishments during the budget and project period. The schedule must be approved by DEEP and R + L.

R + L Transfer may use their own procurement processes to identify possible vendors for the purchase of the tractors. However, those procurement procedures must reflect all applicable Federal, State and local laws, rules and regulations. The requirements for accessing VW Trust funds require the submission of detailed cost estimates from selected or potential vendors for each proposed expenditure exceeding \$25,000. This is described in Section 5.2 of the Environmental Mitigation Trust Agreement for State Beneficiaries (Mitigation Trust Agreement) between Connecticut, as a State Beneficiary, and Wilmington Trust, which is attached as Appendix D.

Task 1 Deliverables

R+L agrees to use best efforts to complete the following by the applicable Task Delivery Date set forth in the schedule in Section 6:

- Approved work plan with project timeline/schedule
- Estimates or proposals from potential vendors
- Summary of criteria used for selecting vendor
- Name and address of vendor selected
- Copy of purchase order issued for new tractors
- Documentation of down payments or other up-front payments made for the project

Task 2: Delivery of New Tractors and Scrappage of Replaced Tractors, Completion of Project:

After selecting a vendor and issuing a purchase order for the new tractors, R+L will monitor the progress of the manufacturing and outfitting of the new tractors for their intended use. When that process is complete, R + L will take delivery of the vehicles.

After delivery of the new tractors, R + L shall render the replaced vehicles and their engines inoperable, in accordance with Mitigation Trust Agreement requirements for scrappage under the VW grant. Disabling the engine consists of cutting, drilling, or punching a three inch by three-inch (3" x 3") hole in the engine block. Disabling the chassis consists of cutting completely through the frame/frame-rails on each side of the vehicle at a point located between the front and rear axles.

R + L shall provide DEEP with the documentation listed below in task 2 Deliverables to show that the vehicles have been scrapped. In addition to this documentation, R + L shall submit to DEEP an invoice for payment, along with confirmation that the project has been completed.

Task 2 Deliverables

R+L agrees to use best efforts to complete the following by the applicable Task Delivery Date set forth in the schedule in Section 6:

- Invoice from the vendor for delivered tractors and documentation of payment to vendor
- Completed copy of Certificate of Engine/Chassis Destruction (See Appendix C)

- Required photographic scrappage documentation for each replaced tractor, at a minimum, must include:
 - VIN plate;
 - Engine plate showing serial number;
 - Side profile of vehicle before destruction;
 - Cut chassis rails, (rails cut in half);
 - Engine block, before drilling;
 - Engine block with 3-inch diameter hole;
 - Other pictures as needed;
- Confirmation that the project is completed and that the tractors are operating satisfactorily for their intended use.
- Completed copy of *Final Request for Payment Form* with attachments submitted to DEEP for reimbursement under the grant.

Task 3: Provide Updates and Information for Quarterly and Other Reports as Required.

R + L shall provide DEEP with status updates to be included in DEEP's semi-annual reports to Wilmington Trust. Semi-annual progress updates will be requested before the 1st of the month following the end of each half year (i.e., July 1, 2020, and January 1, 2021). Follow-up status reports may be requested after May of 2021 per the schedule listed in Section 6 and R+L will be given a reasonable amount of time to respond to such requests. R+L will also contribute material necessary for a final report to Wilmington Trust upon completion of the project, which shall be no later than May 31, 2021.

Items to be provided may include, but will not be limited to:

- Environmental results;
- Work plan accomplishments;
- Challenges encountered during planning and implementation;
- Emissions reductions;
- Budgetary issues, including funds expended;
- Public relations activities;
- Technical and identification information for vehicles and engines; and
- Jobs preserved or created.

Task 3 Deliverables

R+L agrees to use best efforts to complete the following by the applicable Task Delivery Date set forth in the schedule in Section 6:

- Status Updates for Semi-annual Reports; and
- Any required material for Final Report.

3. VW Mitigation Trust Grant Conditions

R + L agrees to use is best and reasonable efforts in assisting DEEP with complying with the conditions listed in the Mitigation Trust Agreement, between DEEP and Wilmington Trust, which is attached as Appendix D.

4. Submission of Materials:

For the purposes of this Plan, all correspondence, summaries, reports, products, requests and invoices shall be submitted to:

Sharon Gustave (Assigned Project Manager)
Department of Energy and Environmental Protection
Bureau of Air Management
79 Elm Street
Hartford, CT 06106-5127

E-Mail: sharon.gustave@ct.gov

All requests for Semi-annual reports or other documentation shall be sent to:

Attn: Kevin Cogswell
R+L Carriers, Inc.
600 Gillam Road
Wilmington, OH 45177

E-Mail: kevin.cogswell@rlcarriers.com.

5. Extensions/Amendments:

Formal written amendment of the agreement is required for changes to the terms and conditions specifically stated in the original agreement and any prior amendments.

Time extensions may be granted, under certain circumstances, upon request. **Otherwise, the Project must be completed by May 31, 2021.**

6. Schedule of Tasks & Payments:

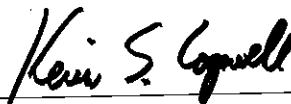
Payments by the Commissioner shall allow for use of funds to meet allowable financial obligations incurred in conjunction with this Project and shall be scheduled as follows, provided that the total sum of all payments shall not exceed 20% of the total project cost with a maximum cap of \$183,720.00.

Task & Deliverables	Task Delivery Date	Estimated Budget		
		VW Funds	R + L Transfer Cost-Share	Project Total
1. Planning & Procurement <ul style="list-style-type: none"> • Approved work plan with project timeline/schedule • Estimates or proposals from potential vendors • Summary of criteria used for selecting vendor • Name and address of vendor selected 	January - March 2020	\$0	\$0	\$0
<ul style="list-style-type: none"> • Copy of Purchase Order issued for new tractors • Documentation of down payments or other up-front payments made for the project 	January - June 2020	\$0	\$0	\$0
2. Delivery of New tractors, Scrappage of Replaced tractors, Completion of Project <ul style="list-style-type: none"> • Invoice from the vendor for delivered tractors and documentation of payment to vendor 	January - December 2020	\$0	\$918,600	\$918,600
<ul style="list-style-type: none"> • Required photographic scrappage documentation for replaced tractors • Completed copy of Certificate of Engine/Chassis Destruction • Confirmation that the project is completed and that the tractors are operating satisfactorily for their intended use • An invoice to DEEP for reimbursement under the grant 	May 31, 2021	\$183,720	-\$183,720	\$0
4. Provide Updates and Information for Semi-Annual and Other Reports <ul style="list-style-type: none"> • Status Update for First Semi-Annual Report • Status Update for Second Semi-Annual Report • Status Update for Third Semi-Annual Report • Status Update for Fourth Semi-Annual Report • Status Update for Fifth Semi-Annual Report • Required material for Final Report (upon completion but no later than 5/31/21) 	07/01/20 01/01/21 07/01/21 01/01/22 07/01/22 05/31/21	\$0	\$0	\$0
Total:		\$183,720	\$734,880	\$918,600

Payment for each task referenced above cannot exceed the budgeted amount for each task. Total Payment shall not exceed 20% of the total project cost with a maximum cap of \$183,720.00, which shall constitute full and complete compensation from the DEEP for the replacement of 8 diesel tractors. The total sum of all payments shall not exceed total funds committed by DEEP.

Payment is contingent upon completion of the tasks outlined in this Plan and providing documentation of compliance with the Mitigation Trust Agreement, between DEEP and Wilmington Trust, which is attached as Appendix D.

Signature,
R + L Transfer Inc.
Authorized Representative
Typed Name

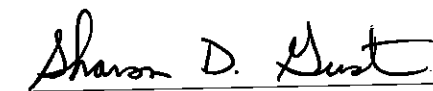


Kevin Cogswell

12/17/2019

Date

Signature,
DEEP Assigned Project
Manager
Typed Name



Sharon Gustave

12/18/2019

Date

Appendix A: Eligible Tractors to be Replaced

Unit Number	Vehicle Class	Engine Make	Engine Model	Engine Model Year	Vehicle Identification Number (VIN)	Engine Serial Number
PS661	Class 8	DETROIT	SERIES 60 (DDEC IV)	2004	1FUBA5CG34LN30990	06R0763568
PS664	Class 8	DETROIT	SERIES 60 (DDEC IV)	2004	1FUBA5CG04LN30994	06R0763911
10093	Class 8	MACKX	A330/350	2004	1M1AE05Y34N017646	3M0474
PS690	Class 8	DETROIT	DDEC III	2005	1FUBA5CG45LU18118	06R0817773
PT242	Class 8	MACKX	A330/350	2005	1M1AK05Y05N006260	4Y1953
PT1349	Class 8	CUMMINS	ISX 450ST	2006	2HSCEAPR86C297584	79125809
PS336	Class 8	MACKX	A330/350	2007	1M1AK01Y07N004274	6E0217
PT1597	Class 8	CUMMINS	ISX 450ST	2007	2HSCNAPR47C566729	79224102

Appendix B: Replacement Vehicle Specifications

Note: Initial specifications for replacement vehicles below are preliminary based on the initial grant application and may change once actual vendor selection is completed.

Unit Number	Vehicle Class	Engine Make	Engine Model	Engine Model Year
PS661	Class 8	Cummins	X15	2020
PS664	Class 8	Cummins	X15	2020
10093	Class 8	Cummins	X15	2020
PS690	Class 8	Cummins	X15	2020
PT242	Class 8	Cummins	X15	2020
PT1349	Class 8	Cummins	X15	2020
PS336	Class 8	Cummins	X15	2020
PT1597	Class 8	Cummins	X15	2020

ATTACHMENT B-5

ELIGIBLE MITIATION ACTION MANAGEMENT PLAN FOR SYSCO LEASING, LLC

Eligible Mitigation Action Management Plan

Purpose: The purpose of this project is for Sysco Leasing, LLC (Sysco) to replace 15 Class 8 diesel trucks, described in Appendix A, with equivalent diesel trucks described in Appendix B. The new trucks will be used to distribute food products to restaurants, healthcare and educational facilities, lodging establishments and other customers throughout Connecticut. Because of technology advances on the new trucks, the project will enhance air quality by reducing engine emissions and improve engine efficiency by decreasing fuel consumption. The reduction in emissions of the ozone precursor, nitrogen oxides, will be a benefit in a state that is in nonattainment with the National Ambient Air Quality Standards for Ozone and in many neighborhoods that have been disproportionately impacted by air pollution from diesel vehicles.

Sysco shall be responsible for all phases of the project including project management services and materials as needed to complete this project. Completion of the project shall include documentation of the scrappage of the replaced trucks.

Project Title: *Early Replacement of 15 Class 8 Diesel Trucks*

Description: Following the approval of this Eligible Mitigation Action Management Plan (Plan), Sysco shall begin providing the services outlined in this Plan, and continue to provide services through the completion of the project, which will be no later than May 31, 2021.

1. Funding:

The Connecticut Department of Energy and Environmental Protection (DEEP) is granting a maximum of \$346,500 in Volkswagen NOx Mitigation Trust funding to Sysco, the grantee. Sysco has agreed to contribute an estimated additional \$1,228,500 to the above referenced project through a combination of cash and in kind services, bringing the estimated total value of the project to \$1,575,000. Payment is contingent upon documentation of the completion of the tasks outlined in this Plan.

2. Work Tasks

The Eligible Mitigation Action Management Plan is summarized according to the following three tasks:

Task 1: Planning and Procurement

Task 2: Delivery and Scrappage

Task 3: Provide Updates and Information for Semi-Annual and Other Reports as Required

Task 1: Planning and Procurement:

Sysco shall conduct the project, provide oversight and track project progress. To ensure timely completion of the project, Sysco shall include, in this Plan, a work plan with a schedule of expected target dates, milestones, responsible parties and completion dates to achieve specific tasks and accomplishments during the budget and project period. The schedule must be approved by DEEP and Sysco.

Sysco may use their own procurement processes to identify possible vendors for the purchase of the trucks. However, those procurement procedures must reflect all applicable Federal, State and local laws, rules and regulations. The requirements for accessing VW Trust funds require the submission of detailed cost estimates from selected or potential vendors for each proposed expenditure exceeding \$25,000. This is described in Section 5.2 of the Environmental Mitigation Trust Agreement for State Beneficiaries (Mitigation Trust Agreement) between Connecticut, as a State Beneficiary, and Wilmington Trust, which is attached as Appendix D.

Task 1 Deliverables:

- Approved work plan with project timeline/schedule
- Estimates or proposals from potential vendors
- Summary of criteria used for selecting vendor
- Name and address of vendor selected
- Copy of purchase order issued for new trucks
- Documentation of down payments or other up-front payments made for the project

Task 2: Delivery of New Trucks and Scrappage of Replaced Trucks, Completion of Project:

After selecting a vendor and issuing a purchase order for the new trucks, Sysco will track the progress of the manufacturing and outfitting of the new trucks for their intended use. When that process is complete, Sysco shall take delivery of the vehicles.

Sysco shall render the replaced vehicles and their engines inoperable, in accordance with Mitigation Trust Agreement requirements for scrappage under the VW grant. Disabling the engine consists of cutting, drilling, or punching a three inch by three inch (3" x 3") hole in the engine block. Disabling the chassis consists of cutting completely through the frame/frame-rails on each side of the vehicle at a point located between the front and rear axles.

Sysco shall provide documentation and photographic evidence that the vehicles have been scrapped. Sysco shall submit to DEEP an invoice for payment, along with confirmation that the project has been completed.

Task 2 Deliverables:

- Invoice from the vendor for delivered trucks and documentation of payment to vendor
- Completed copy of Certificate of Engine/Chassis Destruction (See Appendix C)
- Required photographic scrappage documentation for replaced trucks, at a minimum, must include:
 - Side profile of vehicle
 - VIN
 - Engine Label
 - Chassis rails cut in half
 - Engine block, prior to hole
 - Engine block, after hole
 - Other pictures as needed

- Confirmation that the project is completed and that the trucks are operating satisfactorily for their intended use
- Completed copy of Final Request for Payment Form with attachments submitted to DEEP for reimbursement under the grant

Task 3: Provide Updates and Information for Quarterly and Other Reports as Required.

Sysco shall provide DEEP with status updates to be included in DEEP’s semi-annual reports to Wilmington Trust. Semi-annual progress updates will be requested before the 1st of the month following the end of each half year (i.e., July 1, 2020, and January 1, 2021). Follow-up status reports may be requested after May 2021. Sysco will also contribute material necessary for a final report to Wilmington Trust upon completion of the project, which shall be no later than May 31, 2021.

Items to be provided may include, but will not be limited to:

- Environmental results;
- Work plan accomplishments;
- Challenges encountered during planning and implementation;
- Emissions reductions;
- Budgetary issues, including funds expended;
- Public relations activities;
- Technical and identification information for vehicles and engines; and
- Jobs preserved or created.

Task 3 Deliverables:

- Status Updates for Semi-annual Reports on forms provided by DEEP
- Any required material for Final Report

3. VW Mitigation Trust Grant Conditions

Sysco commits to comply with the conditions listed in the Mitigation Trust Agreement, between DEEP and Wilmington Trust, which is attached as Appendix D.

4. Submission of Materials:

For the purposes of this Plan, all correspondence, summaries, reports, products, requests and invoices shall be submitted to:

Louis Corsino (Assigned Project Manager)
Department of Energy and Environmental Protection
Bureau of Air Management
79 Elm Street
Hartford, CT 06106-5127
E-Mail: louis.corsino@ct.gov

5. Extensions/Amendments:

Formal written amendment of the agreement is required for changes to the terms and conditions specifically stated in the original agreement and any prior amendments.

Time extensions may be granted, under certain circumstances, upon request. **Otherwise, the Project must be completed by May 31, 2021.**

6. Schedule of Tasks & Payments:

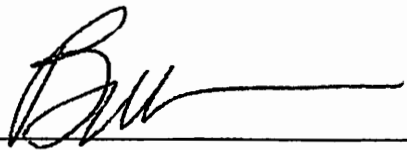
Payments by the Commissioner shall allow for use of funds to meet allowable financial obligations incurred in conjunction with this Project and shall be scheduled as follows, provided that the total sum of all payments shall not exceed 22% of the total project cost with a maximum cap of \$346,500.

Task & Deliverables	Task Delivery Date	Estimated Budget		
		VW Funds	Sysco Cost-Share	Project Total
1. Planning & Procurement <ul style="list-style-type: none"> Approved work plan with project timeline/schedule Estimates or proposals from potential vendors Summary of criteria used for selecting vendor Name and address of vendor selected 	March - April 2020	\$0	\$0	\$0
<ul style="list-style-type: none"> Copy of Purchase Order issued for new trucks Documentation of down payments or other up-front payments made for the project 	May - June 2020	\$0	\$0	\$0
2. Delivery of New Trucks, Scrappage of Replaced Trucks, Completion of Project <ul style="list-style-type: none"> Invoice from the vendor for delivered trucks and documentation of payment to vendor 	July – September 2020	\$0	\$1,575,000	\$1,575,000
<ul style="list-style-type: none"> Required photographic scrappage documentation for replaced trucks Completed copy of Certificate of Engine/Chassis Destruction Confirmation that the project is completed and that the trucks are operating satisfactorily for their intended use An invoice to DEEP for reimbursement under the grant 	May 31, 2021	\$346,500	-\$346,500	\$0
4. Provide Updates and Information for Semi-Annual and Other Reports <ul style="list-style-type: none"> Status Update for First Semi-Annual Report Status Update for Second Semi-Annual Report Status Update for Third Semi-Annual Report Status Update for Fourth Semi-Annual Report. Status Update for Fifth Semi-Annual Report. Required material for Final Report (upon completion but no later than 5/31/21) 	07/01/20 01/01/21 07/01/21 01/01/22 07/01/22 05/31/21	\$0	\$0	\$0
Total:		\$346,500	\$1,228,500	\$1,575,000

Payment for each task referenced above cannot exceed the budgeted amount for each task. Total Payment shall not exceed 22% of the total project cost with a maximum cap of \$346,500, which shall constitute full and complete compensation from the DEEP for the replacement of fifteen Class 8 diesel trucks. The total sum of all payments shall not exceed total funds committed by DEEP.

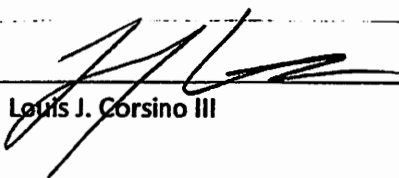
Payment is contingent upon completion of the tasks outlined in this Plan and providing documentation of compliance with the Mitigation Trust Agreement, between DEEP and Wilmington Trust, which is attached as Appendix D.

Signature,
Sysco Leasing, LLC
Authorized Representative
Typed Name


Barbara Green, Vice President of Tax

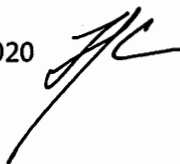
12/17/2019
Date

Signature,
DEEP Assigned Project
Manager
Typed Name


Louis J. Corsino III

12/23/19
Date

Note: Typographical error corrected in Appendix B on 6/3/2020

 6/3/2020

ATTACHMENT B-6

**ELIGIBLE MITIGATION ACTION MANAGEMENT PLAN FOR USA HAULING &
RECYCLING**

USA Waste & Recycling Eligible Mitigation Action Management Plan

Purpose: The purpose of this project is to replace the two (2) Class 8 tractors and six (6) Class 8, diesel-powered refuse trucks listed below with 2020 Model Year (MY) compressed natural gas (CNG)-powered equivalents. The trucks will be used to collect refuse and recyclables in and around Waterbury, New Britain, Hartford, Bridgeport, East Hartford, Bristol, Meriden, Enfield, Naugatuck, and New Haven, CT. The project will enhance air quality by reducing diesel emissions; with the change from diesel to CNG, the significant reduction in emissions of the ozone precursor, nitrogen oxides, will be a benefit in a state that is in nonattainment with the National Ambient Air Quality Standards for Ozone. The project will also decrease diesel particulates in the New York/New Jersey/Connecticut maintenance area for fine particulate matter and will have health benefits in neighborhoods along those collection routes that have been disproportionately impacted by air pollution from diesel vehicles.

Vehicle ID	Vehicle Class or Type of Equipment	Engine Make	Engine Model	Engine Model Year	Vehicle Identification Number (VIN)	Engine Serial Number	VW share of Replacement Cost
D-T-981	Class 8	CAT	3406E	1997	1XPFD9XXWN456267	6TS26183	\$44,782.47
D-F-023	Class 8	CUMMINS	ISM CM570	2001	1NPZL00X62D714151	35045401	\$83,672.51
D-RL-034	Class 8	CAT	C10	2003	1NPAXTOX83D807645	MBJ01739	\$83,672.51
D-T-051	Class 8	CAT	C15	2004	1XPFD9XXWN456267	BXS15836	\$44,782.47
D-T-053	Class 8	CAT	C15	2004	1XP5DB0X75N856620	MXS04304	\$83,672.51
D-RO-052	Class 8	CAT	C13	2004	1NPAXUEX65D837454	KCB05007	\$83,672.51
D-F-075	Class 8	CUMMINS	ISM CM875	2006	3BPZL00X97F717701	35169362	\$83,672.51
D-RO-073	Class 8	CUMMINS	ISC CM850	2006	1NPALU0X27N637266	46661267	\$83,672.51

USA Waste & Recycling (USA Waste) shall be responsible for all phases of the project including project management services and materials as needed to complete this project. Completion of the project shall include documentation of the scrappage of the replaced trucks.

Project Title: 8 CNG Refuse Trucks

Description: Following the approval of this Eligible Mitigation Action Management Plan (Plan), USA Waste shall begin providing the services outlined in the plan, and continue to provide services through the completion of the project, which will be no later than May 31, 2021 unless extended by DEEP.

1. Funding:

The Connecticut Department of Energy and Environmental Protection (DEEP) is granting \$591,600.00 in 2019 Volkswagen NOx Mitigation Trust funding to USA Waste, the grantee. USA

Waste has agreed to contribute an estimated additional \$1,918,400.00 to the above referenced project through a combination of cash and in kind services, bringing the estimated total value of the project to \$2,510,000.00. Payment is contingent upon documentation of the completion of the tasks outlined in this Plan.

2. Work Tasks

The Plan is summarized according to the following three tasks:

Task 1: Planning and Procurement

Task 2: Delivery and Scrappage

Task 3: Provide Updates and Information for Semi-Annual and Other Reports as Required

Task 1: Planning and Procurement:

USA Waste shall conduct the project, provide oversight and track project progress. To ensure timely completion of the project, USA Waste shall include, in this Plan, a work plan with a schedule of expected target dates, milestones, responsible parties and completion dates to achieve specific tasks and accomplishments during the budget and project period. The schedule must be approved and signed by USA Waste and DEEP.

USA Waste may use its own procurement processes to identify possible vendors for the purchase of the trucks. However, those procurement procedures must reflect all applicable Federal, State and local laws, rules and regulations. The requirements for accessing VW Trust funds require the submission of detailed cost estimates from selected or potential vendors for each proposed expenditure exceeding \$25,000 (Section 5.2 of the Environmental Mitigation Trust Agreement for State Beneficiaries (Mitigation Trust Agreement) between Connecticut, as a State Beneficiary, and Wilmington Trust (Item 3 below).

Task 1 Deliverables:

- Approved work plan with project timeline/schedule
- Estimates or proposals from potential vendors
- Summary of criteria used for selecting Vendor and name of Vendor selected (lowest bid is not required)
- Copy of Purchase Order issued for new trucks
- Documentation of down payments or other up-front payments made for the project

Task 2: Delivery of New Trucks and Scrappage of Replaced Trucks, Completion of Project:

After selecting a Vendor and issuing a Purchase Order for the new trucks, USA Waste will track the progress of the manufacturing and outfitting of the new trucks for their intended use. When that process is complete, USA Waste shall take delivery of the vehicles.

USA Waste shall render the replaced vehicles and their engines inoperable, in accordance with Mitigation Trust Agreement requirements for scrappage under the VW grant. This will include cutting the frames and drilling the engines to render the vehicles inoperable. USA Waste shall provide documentation that the vehicles have been scrapped. USA Waste shall submit to DEEP an invoice for payment, along with confirmation that the project has been completed.

Task 2 Deliverables:

- Invoice from the Vendor for delivered truck and documentation of payment to Vendor
- Completed copy of Certificate of Engine/Chassis Destruction (See Appendix A)
- Required photographic scrappage documentation for replaced truck:
 - VIN plate
 - Engine plate showing serial number
 - Side profile of vehicle before destruction
 - Cut chassis rails
 - Engine block before drilling
 - Engine block with 3-inch diameter hole
- Confirmation that the project is completed and that the trucks are operating satisfactorily for their intended use
- Completed copy of Final Request for Payment Form with attachments submitted to DEEP for reimbursement under the grant

Task 3: Provide Updates and Information for Quarterly and Other Reports as Required.

USA Waste shall provide DEEP with status updates to be included in DEEP's semi-annual reports to Wilmington Trust. Semi-annual progress updates will be requested before the 1st of the month following the end of each half year (i.e., July 1, 2020, and January 1, 2021). Follow-up status reports may be requested after May of 2021. USA Waste will also contribute material necessary for a final report upon completion of the project, which shall be no later than May 31, 2021 unless extended by DEEP. Items to be provided may include, but will not be limited to:

- Environmental results;
- Work plan accomplishments;
- Challenges encountered during planning and implementation;
- Emissions reductions;
- Budgetary issues, including funds expended;
- Public relations activities;
- Technical and identification information for vehicles and engines; and
- Jobs preserved or created.

Task 3 Deliverables:

- *Status Updates for Semi-annual Reports*
- *Any required material for Final Report*

3. VW Mitigation Trust Grant Conditions

USA Waste commits to comply with the conditions listed in the Mitigation Trust Agreement between Connecticut, as a State Beneficiary, and Wilmington Trust, which is attached as Appendix B.

4. Submission of Materials:

For the purposes of this Plan, all correspondence, summaries, reports, products, requests and invoices shall be submitted to:

Patrice Kelly (Assigned Project Manager)
 Department of Energy and Environmental Protection
 Bureau of Air Management
 79 Elm Street
 Hartford, CT 06106-5127
 E-Mail: patrice.kelly@ct.gov

5. Extensions/Amendments:

Formal written amendment of the agreement is required for changes to the terms and conditions specifically stated in the original agreement and any prior amendments.

Time extensions may be granted, under certain circumstances, upon request. **Otherwise, the Project must be completed by May 31, 2021.**

6. Schedule of Tasks & Payments:

Payments by Wilmington Trust shall allow for use of funds to meet allowable financial obligations incurred in conjunction with this Project and shall be scheduled as follows, provided that the total sum of all grant payments shall not exceed 25% of your project costs up to \$591,600.00.

Schedule of Tasks & Payments

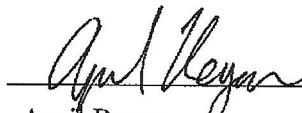
Task & Deliverables	Task Delivery Date	Estimated Budget		
		Wilmington Trust	USA WASTE Cost-Share	Project Total
1. Planning & Procurement: <ul style="list-style-type: none"> • Approved work plan with project timeline/schedule • Estimates or proposals from three potential vendors • Summary of criteria used for selecting Vendor and name of Vendor selected 	February 2020	\$0	\$0	\$0
<ul style="list-style-type: none"> • Copy of Purchase Order Issued for new trucks • Documentation of down payments or other up-front payments made for the project 	February-March, 2020	\$0	\$0	\$0
2. Delivery of New Trucks, Scrappage of Replaced Trucks, Completion of Project	January 2021	\$0	\$2,510,000.00	\$2,510,000.00

<ul style="list-style-type: none"> • Invoice from the Vendor for delivered trucks and documentation of payment to Vendor 				
<ul style="list-style-type: none"> • Completed copy of Certificate of Engine/Chassis Destruction • Required photographic scrappage documentation for replaced trucks • Confirmation that the project is completed and that the trucks are operating satisfactorily for their intended use • Final Request for Payment Form submitted to DEEP for reimbursement under the grant 	May 31, 2021	\$591,600.00	-\$591,600.00	\$0
3. Provide Updates and Information for Semi-Annual and Other Reports <ul style="list-style-type: none"> • Status Update for First Semi-Annual Report • Status Update for Second Semi-Annual Report • Status Update for Third Semi-Annual Report • Status Update for Fourth Semi-Annual Report. • Status Update for Fifth Semi-Annual Report. • Status Update for Sixth Semi-Annual Report. • Required material for Final Report (upon completion but no later than 5/31/21) 	07/01/20 01/01/21 07/01/21 01/01/22 07/01/22 01/01/23 05/31/21	\$0	\$0	\$0
Total:		\$591,600.00	\$1,918,400.00	\$2,510,000.00

Payment for each task referenced above cannot exceed the budgeted amount for each task. Total Payment shall not exceed a maximum of \$591,600.00, which shall constitute full and complete compensation from the Wilmington Trust for the replacement of 8 diesel-powered refuse trucks with 8 CNG-powered refuse trucks. The total sum of all payments shall not exceed total funds committed by DEEP.

Payment is contingent upon completion of the tasks outlined in this Plan and providing documentation of compliance with the Mitigation Trust Agreement, between DEEP and Wilmington Trust, which is attached as Appendix B.

Signature, USA Waste
Authorized Representative

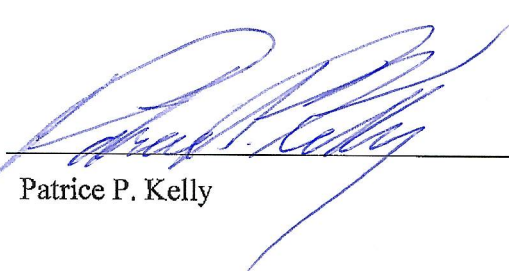


Typed Name: April Regan

4/28/20

Date

Signature, DEEP Assigned
Project Manager



Typed Name: Patrice P. Kelly

4/28/20

Date

ATTACHMENT C

**DETAILED PLAN FOR REPORTING ON ELIGIBLE MITIGATION ACTION
IMPLEMENTATION**

ATTACHMENT C

DETAILED PLAN FOR REPORTING ON ELIGIBLE MITIGATION ACTION IMPLEMENTATION

The Connecticut Department of Energy and Environmental Protection (DEEP) will provide detailed reporting on the Diesel Emissions Mitigation Trust project in two ways:

1. Timely updates to DEEP's Volkswagen (VW) Settlement Information Webpage, and
2. Connecticut's semiannual reporting obligation to Wilmington Trust (the "Trustee")

DEEP maintains a webpage that has been designed to support public access to information relative to the VW Settlement and DEEP's administration of mitigation funds so as to implement the program in an open and transparent manner. DEEP's VW Settlement Information webpage and all supporting information and documentation can be found at: <https://portal.ct.gov/DEEP/Air/Mobile-Sources/VW/VW-Settlement---Admin-Archive>. Timely updates to the webpage as well as direct outreach via email to those who have requested notification will inform the general public on project solicitations, and project status including when the projects identified herein have been completed.

Subparagraph 5.3 of the Environmental Mitigation Trust Agreement for State Beneficiaries details Connecticut's Reporting Obligations" "For each Eligible Mitigation Action, no later than six months after receiving its first disbursement of Trust Assets, and thereafter no later than January 30 (for the preceding six-month period of July 1 to December 31) and July 30 (for the preceding six-month period of January 1 to June 30) of each year, each Beneficiary shall submit to the Trustee a semiannual report describing the progress implementing each Eligible Mitigation Action during the six-month period leading up to the reporting date (including a summary of all costs expended on the Eligible Mitigation Action through the reporting date). Such reports shall include a complete description of the status (including actual or projected termination date), development, implementation, and any modification of each approved Eligible Mitigation Action. Beneficiaries may group multiple Eligible Mitigation Actions and multiple sub-beneficiaries into a single report. These reports shall be signed by an official with the authority to submit the report for the Beneficiary and must contain an attestation that the information is true and correct and that the submission is made under penalty of perjury. To the extent a Beneficiary avails itself of the DERA Option described in Appendix D-2, that Beneficiary may submit its DERA Quarterly Programmatic Reports in satisfaction of its obligations under this Paragraph as to those Eligible Mitigation Actions funded through the DERA Option. The Trustee shall post each semiannual report on the State Trust's public-facing website upon receipt."

DEEP shall, in the semiannual report following the Trustee's initial disbursement of funds as directed by DEEP, describe the progress implementing this Eligible Mitigation Action that will include a summary of all costs expended on the Eligible Mitigation action through the reporting date. The report will also include a complete description of the status, development, implementation (including project schedule and milestone updates), and any modification to the projects under this Eligible Mitigation Action.

ATTACHMENT D

**DETAILED COST ESTIMATES FROM SELECTED OR POTENTIAL VENDORS FOR EACH
PROPOSED EXPENDITURE EXCEEDING \$25,000**

Class 8	Local Freight Truck	International	A26	2020	Diesel	\$105,000.00
Total						\$1,575,000.00

USA Hauling Class 8 Diesel Truck Replacement (Attachment D-6)

Vehicle Class	Vehicle Type	Engine Make	Engine Model	Model year (MY)	Fuel	Cost
Class 8	Tractor	Cummins	ISX12N	2020	CNG	\$190,000.00
Class 8	Tractor	Cummins	ISX12N	2020	CNG	\$190,000.00
Class 8	Refuse Trucks	Cummins	ISX12N	2020	CNG	\$355,000.00
Class 8	Refuse Trucks	Cummins	ISX12N	2020	CNG	\$355,000.00
Class 8	Refuse Trucks	Cummins	ISX12N	2020	CNG	\$355,000.00
Class 8	Refuse Trucks	Cummins	ISX12N	2020	CNG	\$355,000.00
Class 8	Refuse Trucks	Cummins	ISX12N	2020	CNG	\$355,000.00
Class 8	Refuse Trucks	Cummins	ISX12N	2020	CNG	\$355,000.00
Total						\$2,510,000.00

See attached vendor cost estimates for Bozzuto's, East Hartford, H.I. Stone & Son, R + L Transfer, Sysco, and USA Hauling & Recycling Class 8 trucks.

ATTACHMENT D-1

VENDOR ESTIMATE FOR BOZZUTO'S

MILFORD, Connecticut United States 06460

Phone: (203) 876-5010

Fax: (203) 876-5030

Email:

Cheshire, Connecticut United States 06410

Phone: (203) 250-5511

Fax:

Contact Email:

Prepared for:

Model	Description	\$ List	Weight
	T680 Series Conventional Primarily for On-highway tractor applications, it features superior aerodynamics, excellent forward lighting and advanced ergonomics. Elastomer bushed front spring pins & heavy-duty shock absorber brackets. 16mm fasteners from rear cab support to end-of-frame, except tractor taper crossmember. Three vinyl inside sunvisors for LH, RH, and center. Under-dash center console with (2) cup holders, (2) 12V outlets & a storage compartment. Glove box door with locking latch.	202,173	14,892
	T680	0	0
	CARB Idle Emissions Reduction - MX	100	0
	Non-Sleeper w/rear axle capacity less than 59K.	0	0
	General freight	0	0
	Linehaul. Vehicles (trucks or tractors) used in over-the-road freight hauling. Pickup to delivery distance is typically over 300 miles, & annual mileage is typically over 60,000 miles per year. Operation is typically on-highway. Road usage: minimum 1% Class B, do not code for Class D.	0	0
	Reefer van	0	0
	U.S. Domestic Registry, 50-State	0	0

Engine & Equipment

PACCAR MX-13 455 2017 455@1600 1650@900	0	0
with engine brake		
N08000 N717 0.....VSL Expiration Distance (N71		
N08020 N718 155...LRSL Speed Limit (N718)		
N08030 N711 75....MAX Pedal Speed (N711)		
N08200 N052 650...Engine Idle Speed (N052)		
N09020 N015 NO....Enable Retarder During Manua		
N09030 N874 0.....Eng Brk Delay Time (N874)		
N09040 N871 2.....DSC TGT VEH SPD Limit Offset		
N09050 N870 4.....DLS TGT VEH SPD Limit Offset		
N09100 N504 64....CC Max Target Speed (N504)		
N09110 N506 10....CC Min Enable Speed (N506)		
N09120 N509 OFF...Dynamic Cruise Control Enabl		
N09130 N890 MT....Multi Torque in Cruise Contr		
N09200 N695 0.....EIST Expiration Distance (N6		
N09220 N690 5.....EIST Standstill Idle Time (N		
N09230 N689 5.....EIST Parked Max Idle Time (N		
N09240 N692 YES...EIST Engine Load Reset (N692)		
N09250 N693 NO....EIST Engine Load Override (N		
N09260 N688 5.....EIST PTO Max Idle Time (N688)		
N09270 N702 YES...EIST Override in PTO Mode (N		
N09280 N687 40....EIST Ambient Air Temp Overri		
N09290 N686 80....EIST Ambient Air Temp Overri		
N09300 N684 30....EIST Coolant Temp Override		
N09310 N699 YES...EIST Accelerator Position Re		
N09320 N701 YES...EIST Clutch Pedal Reset (N70		
N09330 N700 YES...EIST Foot Pedal Reset (N700		
N09340 N681 YES...EIST Park Brk Reset Enable (
N09350 N726 1900..FIC Max Eng Speed (N726)		
N09360 N071 ON....FIC Enable/Disable (N071)		
N09400 N545 YES...Cab: Accel Active in Cab PTO		
N09410 N578 YES...PTO Remote Pedal Enable (N57		
N09420 N523 6.....Cab: Max Vehicle Speed (N523		
N09430 N520 2000..Cab: Max Eng Spd - Sw Ctrl (
N09440 N519 2000..Cab: Max Eng Spd - Accel Ctr		
N09450 N603 650...Cab: Min Eng Speed (N603)		
N09460 N549 ON A..Cab: Park Brake Interlock (N		
N09470 N546 ON A..Cab: Clutch Interlock (N546)		
N09480 N548 ON A..Cab: Neutral Interlock (N548		
N09490 N550 ON A..Ser Brk Intlk: Pressed = N P		
N09500 N543 DEDIC.Cab: Preset +/- Sw Type (N54		
N09510 N535 800...Cab: Dedicated Preset '-' (N		
N09520 N536 900...Cab: Dedicated Preset '+' (N		
N09530 N553 2000..Rem: Max Eng Spd - Sw/TSC1 C		
N09540 N552 2000..Rem: Max Eng Spd - Cab/Rem A		
N09550 N602 650...REM: Min Eng Spd (N602)		
N09560 N580 ON AD.Remote: Clutch Interlock (N5		

N09570 N582 ON AD.Remote: Neutral Interlock (N
 N09580 N584 ON AD.Ser Brk Intlk: Pressed = No
 N09600 N576 DEDIC.REM: Preset +/- Sw Type (N57
 N09610 N568 800...Remote: Dedicated Preset `~`
 N09620 N569 900...Remote: Dedicated Preset `+`
 N09630 N544 TRQ...Cab: Accel Pedal Type in PTO
 N09640 N538 750...Cab Station: Custom Preset 1
 N09650 N540 850...Cab Station: Custom Preset 2
 N09660 N542 950...Cab: Custom Preset 3 (N542)
 N09670 N571 750...Cab/Rem: Custom Preset 1 (N5
 N09680 N573 850...Cab/Rem: Custom Preset 2 (N5
 N09690 N575 950...Cab/Rem: Custom Preset 3 (N5
 N09700 N581 ON AD.Remote: Custom Interlock (N5
 N09720 N637 3.....Min Speed for DR Shift Aid (
 N09730 N638 1.....Lowest Trans Gear (N638)
 N09740 N639 12.....Highest Trans Gear (N639)
 N09750 N632 None..Offset mode (N632)
 N09760 N618 5.....Driver Reward Veh Spd Bonus
 N09770 N621 -5.....Driver Reward Veh Spd Penalt
 N09780 N537 CNCL..Cab: Custom Preset 1 Functio
 N09790 N539 CNCL..Cab: Custom Preset 2 Functio
 N09800 N541 CNCL..Cab: Custom Preset 3 Functio
 N09810 N570 CNCL..Cab/Rem: Custom Preset1 Func
 N09820 N572 CNCL..Cab/Rem: Custom Preset2 Func
 N09830 N574 CNCL..Cab/Rem: Custom Preset3 Func
 N09840 N547 ON A..Cab: Custom Interlock (N547)

Prospector Version 43.1 Replaces 43.0	0	0
Engine monitoring protection -Derate- PACCAR MX engine parameter.	0	0
Engine parameter: Driveline Protect - torque limiting Paccar MX.	0	0
Gearing Analysis: Fuel Economy fuel efficiency results.	0	0
Customer's Typical Operating Spd: 55 MPH.	0	0
Dealer declines PT Optimization results rear axle ratio selected does not meet Opt goal.	0	0
MX Retarder State Cruise Control On Manual Mode Selecting this code will program the engine controller to make manual mode available when cruise control is on, but not set, and the engine brake switch is on. Manual mode means the engine retarder activates whenever the throttle pedal is not depressed. 2013+	0	0
Enable MX Retarder Auto-Retard Selecting this code will program the engine to utilize the auto retard mode whenever cruise control speed has been set and the engine brake switch is on. The auto-retard mode will control the vehicle speed to an offset from the cruise control set speed via the engine retarder. The offset speed shall be dependent upon customer inputs via the electronic programming work screen. 2013+	0	0
Effective VSL Setting 65.0 MPH (USA)	0	0
Engine Idle Shutdown Timer Enabled	0	0
Enable EIST Ambient Temp Overrule	0	0
Eff EIST NA Expiration Miles Use only with MX and Cummins engines	0	0
Air Compressor: WABCO 25.9 CFM PACCAR MX 2017 440cc Air Compressor	0	0
Air Cleaner: composite firewall mounted PACCAR or Cummins engines	0	0
Fan Hub: Horton On/Off for PACCAR MX	0	0
Cooling module: 1330 square inches. Includes aluminum radiator core, aluminum charge air cooler, translucent surge tank and washer bottle, silicone hoses, and extended life coolant.	0	0
Exhaust: 2017 EPA RH Under DPF/SCR w/ fairing and RH horizontal tailpipe below rail.	0	0
Fuel Filter: Davco 382 Fuel/Water Separator	388	8
Run Aid:None *For Fuel Filter	0	0
Start Aid:None *For Fuel Filter	0	0
Alternator: PACCAR 160 amp, brush type	0	0
Batteries: 3 AGM GP31 THR (925) 2775 CCA. For T680 & T880 in cab battery box only.	470	0

Starter: PACCAR 12 volt electrical system. W/ centralized power distribution incorporating plug-in style relays. Circuit protection for serviceability, 12-volt light system w/circuit protection circuits number & color coded.	0	0
12V low voltage disconnect for starter battery protection.	0	0
J1939 harness (read only)to EOF for body builder. This option allows the customer to read EPA 2010+ engine parameters from their remote station. "Read Only" means you cannot write information to any components on this harness but can only "Read" information from it.	108	0
Decline Driver Performance Assistant (DPA)	0	0
Transmission & Clutch		
PACCAR Transmission: PO-16F112C,12 Speed, 1650 LB FT, with Hill Start Aid. Limited to gears 2 and R2 (reverse) while in PTO mode.	0	0
Clutch: 430mm Self-Adjust Organic, Max Torque 1850 ft-lbs	0	0
Driveline: 1 Meritor RPL25 SD; No Centerbearing Require 3500064 W/Tandem Rear Axles *Replaces code 2408301.	0	0
Aluminum clutch housing	0	0
Front Axle & Equipment		
Meritor MFS12E PLUS 12.5K 3.5in. drop standard track	0	0
Front Brakes: 14.6K Bendix RSD ADB22X Disc brake.	0	0
Splined rotor for front air disc brakes for use with aluminum hubs.	0	0
Integral Knuckle for Air Disc Brake, for use on Meritor MFS PLUS Steer Axle	0	0
Front Hub: aluminum hub pilot 13,200 lbs. 10-Bolt, 11-1/4 in. bolt circle .	0	0
ConMet PreSet Plus Hub package; front axle.	0	0
Hubcap: front vented.	0	0
Slack Adjusters included w/ front axle or brake. Also use w/ disc brakes.	0	0
Front Springs: Taperleaf 12K w/ shock absorbers w/ maintenance-free elastomer spring pin bushings. Standard with rubber pins except for C500 which has threaded pins. Not available on W900L.	0	0
Single power steering gear: 13.2K Sheppard HD94.	0	0
Rear Axle & Equipment		
Dual PACCAR axle rated at 40K, standard track, 9.5 mm housing. Tandem rear axle.	0	0
Rear Axle Ratio - 3.08.	0	0
Rear brakes, Bendix RSD-Compliant ADB22X Disc brake for tandem axle, Max GAWR 46k.	0	0
Splined rotor for dual rear air disc brake for use with aluminum hubs.	0	0
Dual Rear Hubs: Aluminum hub pilot 46K 11-1/4 in. bolt circle.	0	0
ConMet PreSet Plus Hub package; dual rear axle.	0	0
Rear slack adjusters included w/ axle or air disc brakes.	0	0
Spring brakes included w/ dual rear air disc brakes.	0	0
FMVSS-136 Stability Control Schedule Review Chassis meets FMVSS-136 requirements and must be equipped with Electronic Stability Control. Reference Option code placed on order.	0	0
Bendix 4S/4M anti-lock brake system w/ air traction control (ATC) & electronic stability program (ESP) for tractor.	0	0
Bendix Side Object Detection System	1,432	0
BENDIX WINGMAN FUSION ADAPTIVE CC W/ACB	0	0
Driveline: 1 Meritor RPL20 Interaxle; Replacing I/A *Use W/ RPL 25 Main D/L	0	0
Rear suspension: Tandem Kenworth Airglide 400L 40K. 52 in. axle spacing. Air suspension w/ 8.5 in. ride height. Includes single leveling valve. Includes air suspension dump valve.	0	0

Tires & Wheels

Front tires: Yokohama 101ZL 295/75R22.5 16PR	-94	8
Rear Tires: Yokohama 703ZL 295/75R22.5 14PR	-936	128
Rear Tire Quantity: 8	0	0
Front Wheel: Alcoa 88367 22.5x8.25 aluminum with Lvl One [TM] finish, hub-pilot mount. 7,400 lb. maximum rating. Air disc brake compatible.	458	-44
Rear Wheel: Alcoa 88367 22.5x8.25 aluminum with Level One [TM] finish, hub-pilot mount. 7400 lb. maximum rating. Air disc brake compatible. Code is priced per pair of wheels.	1,832	-176
Single Front Axle: 2 wheels Dura-Bright Buffed. Dura-Bright outboard surface of aluminum wheels.	302	0
Dual Rear Axle Wheels: 4 wheels Dura-Bright Buffed. Dura-Bright outboard surface of outer dual or single aluminum wheels.	805	0
Rear Wheel/Rim Quantity: 8	0	0

Frame & Equipment

Frame Rails: 10-5/8 x 3-1/2 x 5/16 in. Steel to 285 in. to 336 in. Truck frame weight is 2.91 lb.-in. per pair of rails. Section modulus is 14.80, RBM is 1,776,000 in.-lbs per rail. Frame rail availability may be restricted based upon application, axle/suspension capacity, fifth wheel setting, or component/dimensional specifications. The results of the engineering review may result in a change to the requested frame rail. If a change is required Kenworth Application Engineering will advise the dealer of the appropriate material specification for a substitute rail.	232	96
Bumper: Aerodynamic, Painted. Requires a bumper setting code.	0	0
50.4 in. Bumper setting. Requires a bumper code.	0	0
Removable Front Tow Hooks: 2.	272	15
1 Holder: For up to 2 removable tow hooks. Frame mounted under hood. Must code for hooks.	80	5
Front mudflaps.	0	0
In-cab steel battery box: under rider seat or in stand alone box. Requires appropriate AGM battery code, which varies by model, and appropriate rider seat code be selected prior to entering the workscreens. Includes 1 battery disconnect switch.	2,037	-8
In-Cab battery box location: Under rider seat.	0	0
Frame access grabhandle(s) LH mounted. Placement and quantity of grabhandles may vary due to FMCSR frame access requirements.	60	0
Medium aluminum frame access deck plate, 36 in.	228	15
Extended frame access step: LH mounted, 2 ladder-type steps. Available when rear of tank extends less than 24 in. behind rear of cab, sleeper, or side extender.	419	28
Cab side skirt: Supports on RH side.	0	0
Fifth Wheel: ILS>40K air Hol FW35M824XL80 24 in. slide, 8 in. height. Air operated king pin release. Outboard mounting angles, 55K vertical rating, LH release. Air slide control valve standard in dash. Accommodates a 2 in. SAE kingpin. Requires some style of trailer connections.	1,022	51
FW rear/fixing setting behind bogie 3 in indicates rearmost setting measured rearward from centerline of tandem or single rear axle	0	0
Rear mudflap arms: Fleet Engineers, FB27 shortie 033-00865. 45 degree angle, polished stainless steel.	162	6
Rear mudflap shields: White plastic antisail w/ Kenworth logo.	0	0
Quarter Fenders: Black Polypropylene w/ painted steel brackets, single post mounted, 21 in. white top flap with logo.	214	43
Top Flange of Rear Frame bent & welded w/o crossmember. Non-towing end-of-frame configuration.	35	0

Fuel Tanks & Equip

Fuel Tank: 100 US gallon 24.5in. aluminum under replace. Class 8 fuel tanks w/ o locking caps include an anti-siphon device on the filler neck.	147	0
Fuel Tank: 90 US gallon 24.5in. aluminum BOC add. Class 8 fuel tanks w/ o locking caps include an anti-siphon device on the filler neck. Multiple tank installations include a fuel equalization system w/ dual draw and return lines with a splitter valve located within 6 inches behind the cab. Single draw and return is an option in some cases.	2,038	108
Medium round DEF tank. 20.7 gallons	198	32

of usable volume. The DEF tank will be located on the side you specified. If you have specific configuration or body builder concerns, please utilize the Custom Frame Layout option. Standard capacity is calculated by fuel capacity of the vehicle and will accommodate two diesel fill-ups for every DEF fill-up. For 1:1 DEF fuel fill ratio, add 7889204.

Standard DEF to fuel fill ratio: 2:1 or greater.	0	0
Anti-siphon device swaged in place. For any number of fuel tanks.	0	0
DEF tank location is on the LH.	0	0
Location: 100 gal fuel tank LH under cab	0	0
Location: 90 gal fuel tank RH behind cab	0	0

Cab & Equipment

Cab: Stamped aluminum cab with panoramic curved glass windshield. Standard with stamped aluminum doors, heavy duty in-swinging hinges, and triple sealed doors. Manufactured using self-piercing rivets and structural adhesive. Includes LED exterior marker lights and turn signals.	0	0
Hood: T680 125 inch BBC With Side of Hood Air Intake.	258	10
Cab HVAC - Day Cab and 40in Sleeper System With Defrost, A/C, and 48,000 BTU/hr Heater. Includes automatic temperature control with one touch defrost operation and dash mounted cab temperature and solar intensity sensors. Pleated fresh air filter and cabin recirculation air filter standard. The Kenworth HVAC system is designed to provide optimal heating and cooling in all operating environments without need for additional insulation. Cab HVAC without sleeper heater AC is available with 40in sleeper.	0	0
Steering wheel: 18 in. 4-spoke.	0	0
Delete Predictive Cruise Control (PCC)	-950	0
Column Mtd TMSN Control W/Retarder Cntrl, RH Side Use with Automated and Automated Manual Transmissions Only	0	0
Adjustable telescoping tilt steering column.	0	0
Key Lock: Customer Specified Tumbler Part Number Includes ignition, cab doors and if applicable, sleeper tool box door. G key will not work on new P lock and ignition	440	0
Dash Mounted Compact Trailer Brake Valve. Self Returning.	0	0
Kenworth Driver Performance Center:5in Full Color high resolution Thin Film Transistor (TFT) active matrix display with advanced driver information including fuel economy performance, outside air temp, clock, odometer and trip, engine hour meter, ignition timer, engine RPM, general truck information, diagnostics, and gear display. All Highline functionality is accessed via the Kenworth MCS providing intuitive control at the driver's fingertips. Also includes Dark Cabin functionality. When activated, the only interior light that will function when a door is opened is the door courtesy lamp.	0	0
Kenworth instrumentation and control package with 9 standard easy-read gauges: includes speedometer, tachometer, fuel gauge, engine coolant temp, engine oil pressure, voltmeter, dual air pressure, air application pressure and DEF gauge. All accessory controls utilize electronically activated solenoids that include advanced vehicle protection interlocks.	0	0
Interior color: Slate Gray	0	0
Interior package: Vantage daycab Includes durable headliner and vinyl sidewalls with geometric patterned trim and anodized aluminum accents throughout. Convenient overhead storage cubbies, full size glove box, two center console cupholders, and large door pad map pocket. Standard LH/RH power windows, electric door locks, interior LED lighting, nighttime-friendly red ambient lighting for dash and footwell, and door mounted courtesy light. Includes two standard 12V power outlets. Driver sunvisor includes strap.	0	0
Rubber floormat	0	0
Driver Seat: GT701 HB with DuraSupreme material. The GT701 is standard with a single air bag, scissor linkage seat suspension. It includes a single chamber lumbar support, 10in Fore/Aft adjustment, 7in Up/Down adjustment, 2.5in pan extension, 51 degree seat back recline, and 16 degree full seat tilt. Includes 3-point matching seat belts. DR seat standard w/ dual armrests.	0	0
Rider Seat: GT100 Battery/Utility Box HB DuraSupreme Material. The GT100 seats are standard with fixed base. Includes 3-point matching seat belts.	-134	9

Seat color: Slate Gray with Gray stitching.	0	0
Driver and Rider Seat Belts: Orange Seat Belts. Replacing standard color.	15	0
Kenworth Radio with AM/FM/WB/USB and Bluetooth	483	4
Base Level Audio System - Daycab:High Performance Door Speakers.	81	2
Telescoping Antenna: Mounted Behind LH Door. Replaces Top-of-Cab Antenna.	79	0
CB installation kit: Center mounted of header. W/header mounted quick release CB mount. One red power post & one black ground post. Includes dual antenna leads located on the mirror brackets. Includes dual antenna & separate speaker.	280	2
Non-self cancelling turn signal: W/column-mounted headlight dimmer switch & intermittent wiper control.	0	0
LH and RH Trip Ledge Rain Deflectors	0	0
Kenworth TruckTech+ The Kenworth Remote Diagnostics system provides the Worlds Best reporting of engine and aftertreatment fault codes, as well as enhanced support for the truck owner through rapid communication of fault severity and recommended actions. This option is Standard on all Kenworths with an MX engine.	0	0
Dual Cab Interior Grabhandles: A Pillar Mounted Dash Wrap and B Pillar Mounted Grabhandles	0	0
Aerodynamic roof fairing for daycab. Optimized for tractor-trailer combinations, includes integral marker lights. Fairing is factory painted and assembled in collapsed position for delivery.	3,809	88
Fairing under cab w/ integral steps.	0	0
Side Extenders: Daycab. Extends 19 inches from Back-of-cab. Panels extend 12 inches, and rubber trailing edge extends 7 inches.	0	0
Kenworth Daylite Door with standard LH/RH electric door locks and LH/RH electric window controls.	0	0
Single air horn under cab.	0	0
Look-Down, Pass. Door, Black 11x6	0	0
Mirror: RH Hood Mounted, Rectangle 8x6, Chrome Heated	249	4
Mirror: LH Hood Mounted, Rectangle 8x6, Chrome Heated	249	4
Aero Mirror: Dual Kenworth Aerodynamic Motorized heated mirrors, 7in X 13in with cab color mirror shell and black mirror arms. Also includes LH/RH heated 6in X 7in convex mirrors. Mirror brackets set for 8-1/2 ft load width. Mirror controls located on driver side door pad.	0	0
Rear cab stationary window 19in x 36in	0	0
3.5in x 11.5in Plastic Records Holder:Mounted On Rear Cab Panel. Not available With Sleeper Or 2 Person Bench Seat.	63	0
One-piece bonded-in windshield with curved glass. Standard.	0	0
Kenworth Cab/Sleeper Air Suspension.	0	0
Lights & Instruments		
Headlamps: Halogen Projector Low Beam, Halogen Complex Reflector High Beam	0	0
Marker Lights: Five LED rectangular, flush mount.	0	0
Turn Signal Lights: Flush mounted LED mounted at top of fender wheel arc	0	0
LED Stop,Turn,Tail: With Two LED Backup Lights and With An LED License Plate.	0	0
Fog Light: With Clear Lens. Does Not Include Rock Screens on T680.	355	4
Dual Flush Floodlights: First Set	137	2
Floodlight Location: Located Low - First Set . This Code To Be Used With Flush-Mount (9052011) or C/I (9058071) Codes Only.	0	0
Marker Lights: Interrupter Switch. Included in Turn Signal For All Models Except T3. The T3 Switch Is In The Dash.	0	0
Polyswitches replacing fuses. Switch will automatically reset after removal of excess load.	48	0

Air Equipment

Air Dryer Bendix AD-IS heated Puraguard	0	0
Moisture ejection valve: Two Bendix DV-2 drain valves on service tanks use w/ AD-IS only. Heated.	323	2
Tractor kit: LH outboard frame-mounted w/ hoesetenna. Includes composite gladhand/light plug holder. Kit includes dash mounted trailer air supply valve, trailer hand control valve, and hoses/fittings for the valves. Dash mounted parking brake valve and tractor protection valve are standard. Air lines are detachable at one end only, light lines are detachable at both ends. Conspicuity components are standard. Use code 9140177 for short hoesetenna option.	-53	-1
Air and light line length 15 feet	0	0
Nylon air tubing in frame & cab, excluding hoses subject to excessive heat or flexing.	0	0
Tectran LK-APK15T 15 STR air & electric lines with ring spring. *Replaces code 9110070	191	0
Slide bar: for air & light lines, cab/sleeper mounted.	50	2
Trailer ABS electric supply through SAE J560 7-pin connector per TMC RP137).	0	0
Standard hoesetenna Bracket Location. Hoesetenna bracket will be located plus or minus six inches from standard location of eight inches.	0	0

Extended Warranty

Base Warranty - PACCAR MX-11 & MX-13 Engine 24 months / 250,000 miles / 400,000 km / 6250 hours.	0	0
Base Warranty - Standard Service Heavy Duty 12 months / 100,000 miles / 160,000 km.	0	0

Miscellaneous

Ship to Dealer. FDD QTY 10 DATE 1/15/2020 FDD QTY 11 DATE 2/1/2020 FDD QTY 10 DATE 2/15/2020	0	0
GHG Secondary Manufacturer: Does Not Apply	0	0
Warning triangle reflector kit: Shipped loose. Kit consists of 3 triangles in plastic carrying case. Not floor mounted.	48	4
One 5 lb. dry chemical type fire extinguisher mounted outboard of driver seat. Class ABC.	139	11
CECU/VECU Electronics Architecture	0	0

Paint

Paint color number(s). N97020 A - L3781 VIPER RED N97600 AIR SHIELD L3781 VIPER RED N97200 FRAME N0001 BLACK N97700 BUMPER L3781 VIPER RED N97800 CH FAIRINGS L3781 VIPER RED	0	0
Bumper Painted Color A	0	0
Chassis Fairings Painted A Color	294	0
Roof Fairing Painted A Color	375	0
Day Cab Premium Paint	200	0
1 - Color Paint - Day Cab Color will be White if no other color is specified.	0	0
Base coat/clear coat. The Kenworth Color Selector contains additional instructions, as well as information on Kenworth paint guidelines and surface finish applications. Kenworth is standard with Dupont Imron Elite paint.	0	0

Total Weight 15354 lb

Prices and Specifications Subject to Change Without Notice.

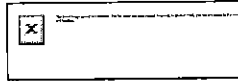
Unpublished options may require review/approval.
Dimensional and performance data for unpublished options may vary from that displayed in PROSPECTOR.

Printed: 1/30/2019 4:08:44 PM	Complete	Model Number: T680 Series Conventional
Effective Date: Jan 1, 2019		Quote/DTPO/CO: Q40630295
Prepared by: ID: JDavey		Version Number: 43.10

ATTACHMENT D-2

VENDOR ESTIMATE FOR EAST HARTFORD

Prepared for:
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Phone: 860-291-7371
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Prepared by:
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A proposal for
Town of East Hartford

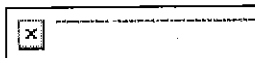
Prepared by
FREIGHTLINER OF HARTFORD
Greg Martinotti

Sep 23, 2019

Freightliner M2 106 – Bulky Waste Truck
Per State Contract #: 14PSX0239

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

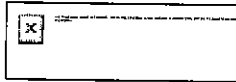
DD8 350 SA Bulky Waste Truck



09/23/2019 1:47 PM

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**QUOTATION - BULKY WASTE TRUCK
 PER STATE CONTRACT #: 14PSX0239**

M2-106 CONVENTIONAL CHASSIS	
SET BACK AXLE - TRUCK	DETROIT DA-F-12.0-3 12,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE
DD8 7.7L 6 CYL SINGLE STAGE 280 HP @ 2200 RPM, 2600 GOV RPM, 800 LB/FT @ 1200 RPM	12,000# DUAL TAPERLEAF FRONT SUSPENSION
ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
RS-21-160 21,000# R-SERIES SINGLE REAR AXLE	5950MM (234 INCH) WHEELBASE
21,000# 52 INCH VARIABLE RATE MULTI-LEAF SPRING REAR SUSPENSION WITH LEAF SPRING HELPER	11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8MM/0.344X10.94 INCH) 120KSI 2600MM (102 INCH) REAR FRAME OVERHANG

ITEM #	TOTAL # OF UNITS (1)	PER UNIT	TOTAL
1H - CHASSIS		\$ 104,469.30	\$ 104,469.30
1J - BODY PACKAGE		\$ 89,105.00	\$ 89,105.00
CUSTOMER PRICE BEFORE TAX		\$ 193,574.30	\$ 193,574.30

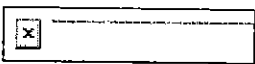
TAXES AND FEES			
TAXES AND FEES		\$ 0	\$ 0
OTHER CHARGES		\$ 0	\$ 0

TRADE-IN			
TRADE-IN ALLOWANCE		\$ (0)	\$ (0)
BALANCE DUE	(LOCAL CURRENCY)	\$ 193,574.30	\$ 193,574.30

- COMMENTS:
- Chassis portion will be invoiced upon delivery to body company. Payment is expected to be received within 30-days of invoice.
 - Body portion will be invoiced upon final acceptable delivery of completed unit is made to The Town.
 - All warranties will not begin until final acceptable delivery of completed unit is made to The Town AND unit is placed into service.

APPROVAL:
 Please indicate your acceptance of this quotation by signing below:

Customer: X _____ Date: ___ / ___ / ___



Prepared for:
 Sal Mennella
 Town of East Hartford
 61 Ecology Drive
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 Mobile: 860-883-8711
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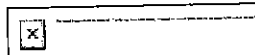


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S P E C I F I C A T I O N P R O P O S A L

Description	Weight Front	Weight Rear
Vehicle Configuration		
M2 106 CONVENTIONAL CHASSIS	5,709	3,503
2020 MODEL YEAR SPECIFIED		
SET BACK AXLE – TRUCK		
STRAIGHT TRUCK PROVISION		
LH PRIMARY STEERING LOCATION		
General Service		
TRUCK CONFIGURATION		
DOMICILED, USA (EXCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
UTILITY/REPAIR/MAINTENANCE SERVICE		
GOVERNMENT BUSINESS SEGMENT		
DIRT/SAND/ROCK COMMODITY		
TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS		
MAXIMUM 8% EXPECTED GRADE		
SMOOTH CONCRETE OR ASPHALT PAVEMENT – MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE		
MEDIUM TRUCK WARRANTY		
EXPECTED FRONT AXLE(S) LOAD: 12000.0 lbs.		
EXPECTED REAR DRIVE AXLE(S) LOAD: 21000.0 lbs.		
EXPECTED GROSS VEHICLE WEIGHT CAPACITY: 33000.0 lbs.		
Truck Service		
FLATBED/PLATFORM BODY WITH LIFT/PULL DEVICE/Crane		
EXPECTED TRUCK BODY LENGTH: 22.5 ft		
EXPECTED TRUCK BODY WIDTH: 96.0 in		
BRAKING-EXPECTED CAB TO BODY CLEARANCE: 7.0 in		
PETERSEN INDUSTRIES		
EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES: 32.0 in		
Engine		
DD8 7.7L 6 CYL SINGLE STAGE 280 HP @ 2200 RPM, 2600 GOV RPM, 800 LB/FT @ 1200 RPM	450	30

DD8 350 SA Bulky Waste Truck



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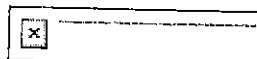
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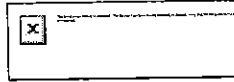
Description	Weight Front	Weight Rear
Electronic Parameters		
68 MPH ROAD SPEED LIMIT		
CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT		
PTO MODE ENGINE RPM LIMIT – 1200 RPM		
PTO RPM WITH CRUISE SET SWITCH – 600 RPM		
PTO RPM WITH CRUISE RESUME SWITCH – 600 RPM		
PTO MODE CANCEL VEHICLE SPEED – 5 MPH		
PTO GOVERNOR RAMP RATE – 250 RPM PER SECOND		
FUEL DOSING OF AFTERTREATMENT ENABLED IN PTO MODE-CLEANS HYDROCARBONS AT HIGH TEMPERATURES ONLY		
ONE REMOTE PTO SPEED		
PTO SPEED 1 SETTING – 700 RPM		
PTO MINIMUM RPM – 600		
ENABLE AUTO ENGINE RPM ELEVATE FOR EXTENDED IDLE		
Engine Equipment		
2016-2019 ONBOARD DIAGNOSTICS/2010 EPA/CARB/FINAL GHG17 CONFIGURATION		
2008 CARB EMISSION CERTIFICATION – CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD CORNER OF DRIVER DOOR)		
STANDARD OIL PAN		
ENGINE MOUNTED OIL CHECK AND FILL		
ONE PIECE VALVE COVER		
SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER		
DR 12V 160 AMP 36-SI BRUSHLESS QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE	10	
(2) DTNA GENUINE, FLOODED STARTING, MIN 2000CCA, 370RC, THREADED STUD BATTERIES	10	
BATTERY BOX FRAME MOUNTED		
STANDARD BATTERY JUMPERS		
SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB		
WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		
NON-POLISHED BATTERY BOX COVER		

DD8 350 SA Bulky Waste Truck



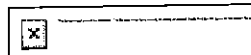
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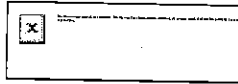


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Description	Weight Front	Weight Rear
CAB AUXILIARY POWER CABLE	5	
POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT	8	
WABCO 20.0 CFM SINGLE CYLINDER AIR COMPRESSOR		
STANDARD MECHANICAL AIR COMPRESSOR GOVERNOR		
AIR COMPRESSOR DISCHARGE LINE		
ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM		
DETROIT MD COMPRESSION BRAKE WITH ON/OFF SWITCH		
RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE	30	25
ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH		
10 FOOT 06 INCH (126 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT		
RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP		
13 GALLON DIESEL EXHAUST FLUID TANK	35	10
100 PERCENT DIESEL EXHAUST FLUID FILL		
LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION		
STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING		
STANDARD DIESEL EXHAUST FLUID TANK CAP		
STAINLESS STEEL AFTERTREATMENT DEVICE/MUFFLER/TAILPIPE SHIELD		
ELECTRONICALLY CONTROLLED VARIABLE SPEED VISCOUS FAN DRIVE		
AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON-ENGINE MOUNTED		
DETROIT ENGINE MOUNTED FUEL/WATER SEPARATOR WITH WATER-IN-FUEL SENSOR AND HAND PRIMER		
FULL FLOW OIL FILTER		
700 SQUARE INCH ALUMINUM RADIATOR		

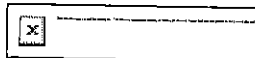


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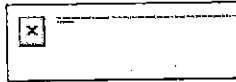


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Description	Weight Front	Weight Rear
ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT		
GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT		
CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES		
RADIATOR DRAIN VALVE		
LOWER RADIATOR GUARD		
PHILLIPS-TEMRO 750 WATT/115 VOLT BLOCK HEATER	4	
CHROME ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR		
ALUMINUM FLYWHEEL HOUSING		
DELCO 12V 35MT STARTER WITH INTEGRATED MAGNETIC SWITCH AND SOLENOID	10	
Transmission		
ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	200	60
Transmission Equipment		
ALLISON VOCATIONAL PACKAGE 146 – AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODEL RDS		
ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES		
PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		



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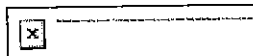


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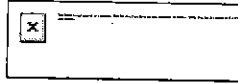
Description	Weight Front	Weight Rear
ENGINE BRAKE RANGE PRESELECT RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
ENGINE BRAKE RANGE ALTERNATE PRESELECT RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
FUEL SENSE 2.0 DISABLED - PERFORMANCE - TABLE BASED		
DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES		
MAXIMUM ENGINE SPEED FOR PTO ENGAGEMENT 1000 RPM		
MAXIMUM ENGINE SPEED FOR PTO OPERATION 1600 RPM		
MAXIMUM OUTPUT SPEED FOR PTO ENGAGEMENT 3000 RPM - ALLISON 5 TH GEN TRANSMISSIONS		
MAXIMUM OUTPUT SPEED FOR PTO OPERATION 3000 RPM - ALLISON 5 TH GEN TRANSMISSIONS		
VEHICLE INTERFACE WIRING CONNECTOR WITHOUT BLUNT CUTS, AT BACK OF CAB		
ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR MOUNTED BACK OF CAB		
CUSTOMER INSTALLED CHELSEA 280 SERIES PTO		
PTO MOUNTING, RH SIDE OF MAIN TRANSMISSION		
MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN		
PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED		
TRANSMISSION PROGNOSTICS - ENABLED 2013		
WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK		
TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK		
SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)		

Front Axle and Equipment

DETROIT DA-F-12.0-3 12,000# FF1 71.5 KPI/3.74
 DROP SINGLE FRONT AXLE

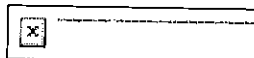


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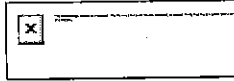


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Description	Weight Front	Weight Rear
MERITOR 16.5X5 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
NON-ASBESTOS FRONT BRAKE LINING		
CONMET CAST IRON FRONT BRAKE DRUMS		
FRONT BRAKE DUST SHIELDS	5	
FRONT OIL SEALS		
VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL		
STANDARD SPINDLE NUTS FOR ALL AXLES		
WABCO LONGSTROKE FRONT BRAKE CHAMBERS		
HALDEX AUTOMATIC FRONT SLACK ADJUSTERS WITH STAINLESS STEEL CLEVIS PINS		
TRW THP-60 POWER STEERING		
POWER STEERING PUMP		
2 QUART SEE THROUGH POWER STEERING RESERVOIR		
SYNTHETIC 75W-90 FRONT AXLE LUBE		
Front Suspension		
12,000# DUAL TAPERLEAF FRONT SUSPENSION	42	
MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION		
FRONT SHOCK ABSORBERS		
Rear Axle and Equipment		
RS-21-160 21,000# R-SERIES SINGLE REAR AXLE		180
5.63 REAR AXLE RATIO		
IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		
MXL 176T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES	25	25
DRIVER CONTROLLED TRACTION DIFFERENTIAL - SINGLE REAR AXLE		
(1) DRIVER CONTROLLED DIFFERENTIAL LOCK REAR VALVE FOR SINGLE DRIVE AXLE		
BLINKING LAMP WITH EACH MODE SWITCH, DIFFERENTIAL UNLOCK WITH IGNITION OFF, ACTIVE <25 MPH		

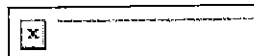


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Description	Weight Front	Weight Rear
MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
NON-ASBESTOS REAR BRAKE LINING		
BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S) WITH AUXILIARY SUPPORT BRACKETS		2
CAST IRON OUTBOARD REAR BRAKE DRUMS		
REAR BRAKE DUST SHIELDS		5
REAR OIL SEALS		
MGM TR-T LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS		
HALDEX AUTOMATIC REAR SLACK ADJUSTERS WITH STAINLESS STEEL CLEVIS PINS		
SYNTHETIC 75W-90 REAR AXLE LUBE		
Rear Suspension		
21,000# 52 INCH VARIABLE RATE MULTI-LEAF SPRING REAR SUSPENSION WITH LEAF SPRING HELPER		100
SPRING SUSPENSION – NO AXLE SPACERS		
STANDARD AXLE SEATS IN AXLE CLAMP GROUP		
REAR SHOCK ABSORBERS – ONE AXLE		40
Brake System		
AIR BRAKE PACKAGE		
WABCO 4S/4M ABS WITH TRACTION CONTROL, WITH ATC OFF-ROAD SWITCH		
REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES		
FIBER BRAID PARKING BRAKE HOSE		
STANDARD BRAKE SYSTEM VALVES		
STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM		
STD U.S. FRONT BRAKE VALVE		
RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE		
WABCO SYSTEM SAVER HP WITH INTEGRAL AIR GOVERNOR AND HEATER		
WABCO OIL COALESCING FILTER FOR AIR DRYER		
AIR DRYER MOUNTED INBOARD ON LH RAIL		



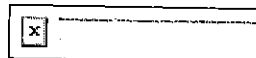
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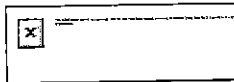
Description	Weight Front	Weight Rear
ALUMINUM AIR BRAKE RESERVOIRS; CUSTOMER ACCEPTS TANKS MOUNTED PERPENDICULAR TO RAIL		
MOUNT PERP TANKS RH WITH FRONT BRACKET A T 47" BOC, USF BRACKET FOR BELOW RAIL TA NK.		
CLEAR FRAME RAILS 36 INCHES FROM BACK OF CAB INSIDE/OUTBOARD/BELOW BOTH FRAME RAILS		
PETCOCK DRAIN VALVES ON ALL AIR TANK(S)		
Trailer Connections		
PRIMARY CONNECTOR/RECEPTACLE WIRED FOR COMBINATION STOP/TURN, CENTER PIN POWERED THROUGH IGNITION WITH STOP SIGNAL PREWIRE PACKAGE		
SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME	5	5
UPGRADED CHASSIS MULTIPLEXING UNIT		
UPGRADED BULKHEAD MULTIPLEXING UNIT		
Wheelbase & Frame		
5950MM (234 INCH) WHEELBASE		
11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8MM/0.344X10.94 INCH) 120KSI	310	120
2600MM (102 INCH) REAR FRAME OVERHANG		
FRAME OVERHANG RANGE: 101 INCH TO 110 INCH	-90	380
CALC'D BACK OF CAB TO REAR SUSP C/L (CA): 168.75 in		
CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA): 161.75 in		
CALC'D FRAME LENGTH - OVERALL: 375.68		
CALCULATED FRAME SPACE LH SIDE: 132.04 in		
CALCULATED FRAME SPACE RH SIDE: 244.8 in		
CALC'D SPACE AVAILABLE FOR DECKPLATE: 168.45 in		
SQUARE END OF FRAME		
FRONT CLOSING CROSSMEMBER		
STANDARD WEIGHT ENGINE CROSSMEMBER		
STANDARD CROSSMEMBER BACK OF TRANSMISSION		
STANDARD MIDSHIP #1 CROSSMEMBER(S)		
STANDARD REARMOST CROSSMEMBER		
STANDARD SUSPENSION CROSSMEMBER		

DD8 350 SA Bulky Waste Truck



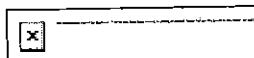
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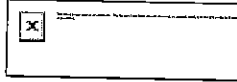


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Description	Weight Front	Weight Rear
Chassis Equipment		
THREE-PIECE 14 INCH STEEL CENTER BUMPER WITH FLEXIBLE PLASTIC ENDS		
BUMPER MOUNTING FOR SINGLE LICENSE PLATE		
FENDER AND FRONT OF HOOD MOUNTED FRONT MUDFLAPS		
HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS		
Fuel Tanks		
50 GALLON/189 LITER SHORT RECTANGULAR ALUMINUM FUEL TANK - LH	-10	
RECTANGULAR FUEL TANK(S)		
PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS		
FUEL TANK(S) FORWARD		
PLAIN STEP FINISH		
FUEL TANK CAP(S)		
DAVCO 245 FUEL/WATER SEPARATOR WITH 12 VOLT HEAT AND ESOC	5	
EQUIFLO INBOARD FUEL SYSTEM		
HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		
Tires		
MICHELIN X WORKS Z 11R22.5 16 PLY RADIAL FRONT TIRES	42	
MICHELIN XDS2 11R22.5 16 PLY RADIAL REAR TIRES		96
Hubs		
CONMET PRESET PLUS PREMIUM IRON FRONT HUBS		
CONMET PRESET PLUS PREMIUM IRON REAR HUBS		
Wheels		
ALCOA LVL ONE 88367X 22.5X8.25 10-HUB PILOT 5.79 INSET ALUMINUM DISC FRONT WHEELS	-50	
ALCOA LVL ONE 88367X 22.5X8.25 10-HUB PILOT ALUMINUM DISC REAR WHEELS		-100

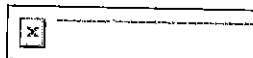


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Description	Weight Front	Weight Rear
POLISHED DISC SIDE FRONT WHEELS WITH DURA-BRIGHT FINISH		
POLISHED OUTER (DISHED SIDE) REAR WHEELS WITH OUTER ONLY DURA-BRIGHT FINISH		
FRONT TIRE/DISC WHEEL STATIC BALANCING WITH LEAD-FREE WEIGHTS		
FRONT WHEEL MOUNTING NUTS		
REAR WHEEL MOUNTING NUTS		
NYLON WHEEL GUARDS FRONT AND REAR ALL INTERFACES		
Cab Exterior		
106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB		
AIR CAB MOUNTING		
NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE		
LH AND RH GRAB HANDLES		
HOOD MOUNTED CHROMED PLASTIC GRILLE		
CHROME HOOD MOUNTED AIR INTAKE GRILLE		
FIBERGLASS HOOD		
HOOD LINER, ADDED FIREWALL AND FLOOR HEAT INSULATION	5	
SINGLE 14 INCH ROUND HADLEY AIR HORN UNDER LH DECK	4	
DUAL ELECTRIC HORNS		
SINGLE HORN SHIELD		
ALL UNIT(S) KEYED ALIKE WITH CUSTOMER SPECIFIED KEY NUMBER FT1013		
REAR LICENSE PLATE MOUNT END OF FRAME		
INTEGRAL HEADLIGHT/MARKER ASSEMBLY WITH CHROME BEZEL		
LED AERODYNAMIC MARKER LIGHTS		
HEADLIGHTS ON WITH WIPERS, WITH DAYTIME RUNNING LIGHTS		
INTEGRAL LED STOP/TAIL/BACKUP LIGHTS		
STANDARD FRONT TURN SIGNAL LAMPS		
DUAL WEST COAST BRIGHT FINISH HEATED MIRRORS WITH LH AND RH REMOTE		
DOOR MOUNTED MIRRORS		
102 INCH EQUIPMENT WIDTH		

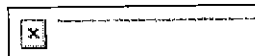


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Description	Weight Front	Weight Rear
LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS		
RH DOWN VIEW MIRROR		
RH AND LH 8 INCH STAINLESS STEEL FENDER MOUNTED CONVEX MIRRORS WITH TRIPOD BRACKETS	8	
STANDARD SIDE/REAR REFLECTORS		
RH AFTERTREATMENT SYSTEM CAB ACCESS WITH POLISHED DIAMOND PLATE COVER		
COMPOSITE EXTERIOR SUN VISOR	10	
63X14 INCH TINTED REAR WINDOW		
TINTED DOOR GLASS LH AND RH WITH TINTED OPERATING WING WINDOWS		
RH AND LH ELECTRIC POWERED WINDOWS, PASSENGER SWITCHES ON DOOR(S)	4	
LOWER RH DOOR WINDOW WITH FRESNEL LENS	7	
1-PIECE TINTED CURVED BONDED WINDSHIELD WITH HEATED WIPER BLADE PARK AREAS		
2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, FRAME MOUNTED		
Cab Interior		
OPAL GRAY VINYL INTERIOR		
MOLDED PLASTIC DOOR PANEL WITHOUT VINYL INSERT WITH ALUMINUM KICKPLATE LOWER DOOR		
MOLDED PLASTIC DOOR PANEL WITHOUT VINYL INSERT WITH ALUMINUM KICKPLATE LOWER DOOR		
BLACK MATS WITH SINGLE INSULATION		
DASH MOUNTED ASH TRAY(S) WITHOUT LIGHTER		
CENTER STORAGE CONSOLE MOUNTED ON BACKWALL	20	
(2) CUP HOLDERS LH AND RH DASH		
GRAY/CHARCOAL WING DASH		
SMART SWITCH EXPANSION MODULE		
2-1/2 LB. FIRE EXTINGUISHER	5	
HEATER, DEFROSTER AND AIR CONDITIONER		
STANDARD HVAC DUCTING WITH SNOW SHIELD FOR FRESH AIR INTAKE		



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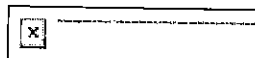
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Description	Weight Front	Weight Rear
MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH		
STANDARD HEATER PLUMBING		
VALEO HEAVY DUTY A/C REFRIGERANT COMPRESSOR		
BINARY CONTROL, R-134A		
PREMIUM INSULATION		
SOLID-STATE CIRCUIT PROTECTION AND FUSES		
12V NEGATIVE GROUND ELECTRICAL SYSTEM		
DOME DOOR ACTIVATED LH AND RH, DUAL READING LIGHTS, FORWARD CAB ROOF		
LH AND RH ELECTRIC DOOR LOCKS		
(1) 12V POWER SUPPLY (1) DUAL 2.1 AMP USB CHARGER IN DASH		
TRIANGULAR REFLECTORS WITHOUT FLARES	10	
PREMIUM HIGH BACK AIR SUSPENSION DRIVER SEAT WITH 3 CHAMBER AIR LUMBAR, INTEGRATED CUSHION EXTENSION, FORWARD AND REAR CUSHION TILT, ADJUSTABLE SHOCK ABSORBER	70	
BASIC HIGH BACK NON-SUSPENSION TOOL BOX PASSENGER SEAT		
DUAL DRIVER SEAT ARMRESTS, NO PASSENGER SEAT ARMRESTS	4	
LH AND RH INTEGRAL DOOR PANEL ARMRESTS		
BLACK MORDURA CLOTH DRIVER SEAT COVER		
BLACK MORDURA CLOTH PASSENGER SEAT COVER		
HIGH VISIBILITY ORANGE SEAT BELTS		
ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN	10	
4-SPOKE 18 INCH (450MM) STEERING WHEEL		
DRIVER AND PASSENGER INTERIOR SUN VISORS		

Instruments & Controls

GRAY DRIVER INSTRUMENT PANEL
 GRAY CENTER INSTRUMENT PANEL
 ENGINE REMOTE INTERFACE WITH PARK BRAKE INTERLOCK
 BLACK GAUGE BEZELS

DD8 350 SA Bulky Waste Truck



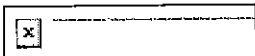
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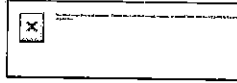


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Description	Weight Front	Weight Rear
LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM		
2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES		
ENGINE COMPARTMENT MOUNTED AIR RESTRICTION INDICATOR WITH GRADUATIONS, WITH WARNING LIGHT IN DASH		
PRECO 1040 87 DB TO 112 DB AUTOMATIC SELF-ADJUSTING BACKUP ALARM		3
ELECTRONIC CRUISE CONTROL WITH SWITCHES ON AUXILIARY GAUGE PANEL (B DASH PANEL)		
KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY WITH ECM STARTER LOCKOUT		
ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED		
HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH		
2 INCH ELECTRIC FUEL GAUGE		
ENGINE REMOTE INTERFACE NOT CONFIGURED		
ENGINE REMOTE INTERFACE CONNECTOR AT BACK OF CAB		
ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE		
2 INCH TRANSMISSION OIL TEMPERATURE GAUGE		
ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY		
(1) DASH MOUNTED PTO SWITCH WITH INDICATOR LAMP - PARK BRAKE INTERLOCK	5	
ELECTRIC ENGINE OIL PRESSURE GAUGE		
OVERHEAD INSTRUMENT PANEL		
SMARTPLEX HUB MODULE WITH OVERHEAD SWITCH MOUNTING, DRIVER SIDE AND CENTER CONSOLE (12 SWITCH SLOTS)	44	
CUSTOMER FURNISHED DIN RADIO PACKAGE	5	
DASH MOUNTED RADIO		
(2) RADIO SPEAKERS IN CAB		
AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF		



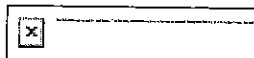
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Description	Weight Front	Weight Rear
POWER AND GROUND WIRING PROVISION OVERHEAD		
ROOF/OVERHEAD CONSOLE CB RADIO PROVISION		
ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER		
STANDARD VEHICLE SPEED SENSOR		
ELECTRONIC 3000 RPM TACHOMETER		
VT-HU CONNECTIVITY PLATFORM HARDWARE		
5 YEARS DETROIT CONNECT BASE PACKAGE (VIRTUAL TECHNICIAN, DETROIT CONNECT PORTAL ACCESS) FOR VT-HU CONNECTIVITY PLATFORM		
IGNITION SWITCH CONTROLLED ENGINE STOP		
PRE-TRIP LAMP INSPECTION, ALL OUTPUTS FLASH, WITH SMART SWITCH		
6 ON/OFF LATCHING SMARTPLEX SWITCHES		
1 ON/OFF MOMENTARY SMARTPLEX SWITCH		
BOOM OUT OF STOW & OUTRIGGER DEPLOYED SMARTPLEX INDICATOR LAMPS		
1-RED, 1-AMBER, 1-GREEN SMARTPLEX INDICATOR LAMPS		
DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY		
SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY PROGRAMMED TO SLOWEST SPEED WITH PARK BRAKE SET		
MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH		
ONE VALVE PARKING BRAKE SYSTEM WITH DASH VALVE CONTROL AUTONEUTRAL AND WARNING INDICATOR		
SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE		
INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS		
Color		
CAB COLOR A: L0006EB WHITE ELITE BC		
BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT		

DD8 350 SA Bulky Waste Truck



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Description	Weight Front	Weight Rear
BUMPER PAINT: FP24812 ARGENT SILVER DUPONT FLEX SUNVISOR PAINTED SAME AS CAB COLOR A STANDARD E COAT/UNDERCOATING		

Certification / Compliance

U.S. FMVSS CERTIFICATION
 HEAVY DUTY REMOVABLE FLOOR MATS
 KENWOOD BLUETOOTH RADIO SYSTEM WITH
 (2) TWO ADDITIONAL SPEAKERS MOUNTED ON
 BACK CORNERS OF CAB

TOTAL VEHICLE SUMMARY

Weight Summary

	Weight Front	Weight Rear	Total Weight
Factory Weight ⁺	6966 lbs.	4484 lbs.	11450 lbs.
Total Weight⁺	6966 lbs.	4484 lbs.	11450 lbs.

Warranty

EW4: DD8 SINGLE/DUAL STAGE 7 YEARS/100,000 MILES/161,000 KM. FEX APPLIES
 TC4: MD MODERATE 7 YEARS/100,000 MILES / 161,000 KM EXTENDED TRUCK COVERAGE. FEX APPLIES
 ALLISON 3000 RDS SERIES TRANSMISSION EXTEND WARRANTY, 5 YEARS/UNLIMITED MILES FEX
 TOWING: 5 YEARS/UNLIMITED MILES/KM EXTENDED TOWING COVERAGE \$550 CAP FEX APPLIES

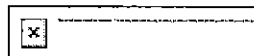
(+) Weights shown are estimates only.
 If weight is critical, contact Customer Application Engineering.

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

Body Package

- Peterson TL3 Bulky Waste Loader
- Heavy Duty Swing Motor
- QuadStick Mechanical Controls

DD8 350 SA Bulky Waste Truck



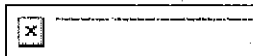
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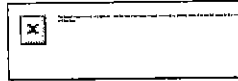


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- Grating Heat Shield (for Dual Controls Only)
- Standard 60" Bucket
- Boom-Up Warning Light & Audible Alarm
- Hose Guards: Head & Valve Bank
- Tandem Pump in lieu of Single 18 GPM Pump
- HD Control Box: Throttle Engine Kill & Horn
- Loader Painted Single Color (Orange)
- Dump Body: HDX-1824 Hardox 1/8" Sides & 3/16" Floor – 18ft 24cy
- PI Self-Winding Load Covering Device (ADD ON)
- Barn Doors for Body
- Wire Loom for Body Wiring
- LED Body Lights (15 Lights Total)
- Amber LED Flashing Lights in Rear Corner Post
- ANZI Z245
- Hydraulic System Filled with Envirollogic Safe Oil
- Ziebart Undercoating for Body & Lift



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A proposal for
Town of East Hartford

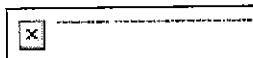
Prepared by
FREIGHTLINER OF HARTFORD
Greg Martinotti

Sep 23, 2019

Freightliner 114SD – Roll Off Truck
Per State Contract #: 14PSX0239

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

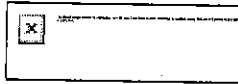
DD13 470 Auto Tri-Axle Roll-Off



09/23/2019 7:40 AM

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**QUOTATION - ROLL OFF TRUCK
 PER STATE CONTRACT #: 14PSX0239**

114SD CONVENTIONAL CHASSIS

SET FORWARD AXLE - TRUCK	20,000# TAPERLEAF FRONT SUSPENSION
DETROIT DD13 12.8L 470 HP @ 1625 RPM, 1900 GOV RPM, 1650 LB/FT @ 975 RPM	114 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
ALLISON 4000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	6850MM (270 INCH) WHEELBASE
RT-46-160 46,000# R-SERIES TANDEM REAR AXLE	1/2X3.64X11-7/8 INCH STEEL FRAME (12.7MMX301.6MM/0.5X11.88 INCH) 120KSI
AIRLINER 46,000# REAR SUSPENSION WITH CHAIN CLEARANCE	1600MM (63 INCH) REAR FRAME OVERHANG
MFS-20-133A 20,000# FL1 71.0 INCH KPI/3.74 INCH DROP SINGLE FRONT AXLE	HENDRICKSON SC20/SCO20 20,000# FL1 STEERABLE 16.5X6 BRAKE INTEGRAL PUSHER AXLE

		PER UNIT	TOTAL
ITEM #: 3A - BASE CHASSIS	TOTAL # OF UNITS (1)	\$ 119,650.00	\$ 119,650.00
ITEM #: 3O - NET CHANGES TO CHASSIS		\$ 19,260.42	\$ 19,260.42
ITEM #: 3Q - BODY PACKAGE		\$ 51,150.00	\$ 51,150.00
CUSTOMER PRICE BEFORE TAX		\$ 190,060.42	\$ 190,060.42

TAXES AND FEES

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

TRADE-IN

TRADE-IN ALLOWANCE	\$	(0)	\$	(0)
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BALANCE DUE	(LOCAL CURRENCY)	\$	190,060.42	\$	190,060.42
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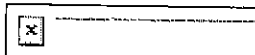
COMMENTS:

- Chassis portion will be invoiced upon delivery to body company. Payment is expected to be received within 30-days of invoice.
- Body portion will be invoiced upon final acceptable delivery of completed unit is made to The Town.
- All warranties will not begin until final acceptable delivery of completed unit is made to The Town AND unit is placed into service

APPROVAL:

Please indicate your acceptance of this quotation by signing below:

Customer: X _____ Date: ___ / ___ / ___



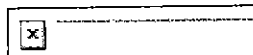
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S P E C I F I C A T I O N P R O P O S A L

Description	Weight Front	Weight Rear
Vehicle Configuration		
114SD CONVENTIONAL CHASSIS	7,934	6,476
2020 MODEL YEAR SPECIFIED		
SET FORWARD AXLE - TRUCK		
TRAILER TOWING PROVISION AT END OF FRAME FOR TRUCK	10	10
LH PRIMARY STEERING LOCATION		
General Service		
TRUCK/TRAILER CONFIGURATION		
DOMICILED, USA (EXCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
UTILITY/REPAIR/MAINTENANCE SERVICE		
GOVERNMENT BUSINESS SEGMENT		
DIRT/SAND/ROCK COMMODITY		
TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS		
MAXIMUM 8% EXPECTED GRADE		
SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE		
FREIGHTLINER LEVEL II WARRANTY		
EXPECTED FRONT AXLE(S) LOAD: 20000.0 lbs.		
EXPECTED REAR DRIVE AXLE(S) LOAD: 46000.0 lbs.		
EXPECTED PUSHER AXLE(S) LOAD: 20000.0 lbs.		
EXPECTED GROSS VEHICLE WEIGHT CAPACITY: 86000.0 lbs.		
Truck Service		
ROLL OFF/ROLL ON BODY		
EXPECTED TRUCK BODY LENGTH: 22.0 ft		
EXPECTED TRUCK BODY WIDTH: 96.0 in		
GALFAB		
Engine		
DETROIT DD13 12.8L 470 HP @ 1625 RPM, 1900 GOV RPM, 1650 LB/FT @ 975 RPM		
Electronic Parameters		
69 MPH ROAD SPEED LIMIT		



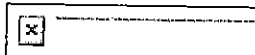
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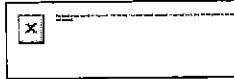
Description	Weight Front	Weight Rear
CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT		
PTO MODE ENGINE RPM LIMIT - 1400 RPM		
PTO MODE CANCEL VEHICLE SPEED - 10 MPH		
PTO MODE RPM INCREMENT - 25 RPM		
FUEL DOSING OF AFTERTREATMENT ENABLED IN PTO MODE-CLEANS HYDROCARBONS AT HIGH TEMPERATURES ONLY		
ONE REMOTE PTO SPEED		
PTO SPEED 1 SETTING - 700 RPM		
ENABLE AUTO ENGINE RPM ELEVATE FOR EXTENDED IDLE		
Engine Equipment		
2016-2019 ONBOARD DIAGNOSTICS/2010 EPA/CARB/FINAL GHG17 CONFIGURATION		
2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD CORNER OF DRIVER DOOR)		
STANDARD OIL PAN		
ENGINE MOUNTED OIL CHECK AND FILL		
SIDE OF HOOD AIR INTAKE WITH DONALDSON HIGH CAPACITY AIR CLEANER WITH SAFETY ELEMENT, FIREWALL MOUNTED		
DR 12V 160 AMP 36-SI BRUSHLESS QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE	10	
(3) DTNA GENUINE, FLOODED STARTING, MIN 3000CCA, 555RC, THREADED STUD BATTERIES		
BATTERY BOX FRAME MOUNTED		
STANDARD BATTERY JUMPERS		
SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB		
WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		
NON-POLISHED BATTERY BOX COVER		
CAB AUXILIARY POWER CABLE	5	
POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT	8	
BW MODEL BA-921 19.0 CFM SINGLE CYLINDER AIR COMPRESSOR WITH SAFETY VALVE		
ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM		

DD13 470 Auto Tri-Axle Roll-Off



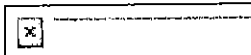
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Description	Weight Front	Weight Rear
JACOBS COMPRESSION BRAKE		
RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE	30	25
ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH		
10 FOOT 06 INCH (126 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT		
RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP		
6 GALLON DIESEL EXHAUST FLUID TANK	-35	-10
100 PERCENT DIESEL EXHAUST FLUID FILL		
STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING		
LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION		
STANDARD DIESEL EXHAUST FLUID TANK CAP		
STAINLESS STEEL AFTERTREATMENT DEVICE/MUFFLER/TAILPIPE SHIELD		
BORG WARNER (KYSOR) REAR AIR ON/OFF ENGINE FAN CLUTCH		
AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON-ENGINE MOUNTED		
DDC SUPPLIED ENGINE MOUNTED FUEL FILTER/FUEL WATER SEPARATOR WITH WATER-IN-FUEL INDICATOR		
FULL FLOW OIL FILTER		
1500 SQUARE INCH ALUMINUM RADIATOR		
ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT		
GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT		
CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES		
HDEP FIXED RATIO COOLANT PUMP AND RADIATOR DRAIN VALVE		
PHILLIPS-TEMRO 1500 WATT/115 VOLT BLOCK HEATER	4	
CHROME ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR		



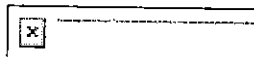
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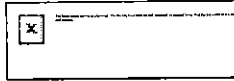
Description	Weight Front	Weight Rear
DELCO 12V MOD 3.175-39MT+ OCP STARTER WITH THERMAL PROTECTION AND INTEGRATED MAGNETIC SWITCH		
Transmission		
ALLISON 4000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	260	100
Transmission Equipment		
ALLISON VOCATIONAL PACKAGE 146 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODEL RDS		
ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES		
PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 3, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
S1 PERFORMANCE PRIMARY SHIFT SCHEDULE, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
S1 PERFORMANCE SECONDARY SHIFT SCHEDULE, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
1800 RPM PRIMARY MODE SHIFT SPEED		
1800 RPM SECONDARY MODE SHIFT SPEED		
FUEL SENSE 2.0 DISABLED - PERFORMANCE - TABLE BASED		
DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES		
MAXIMUM ENGINE SPEED FOR PTO ENGAGEMENT 1000 RPM		
MAXIMUM ENGINE SPEED FOR PTO OPERATION 1400 RPM		
MAXIMUM OUTPUT SPEED FOR PTO ENGAGEMENT 2600 RPM - ALLISON 5TH GEN TRANSMISSIONS		
MAXIMUM OUTPUT SPEED FOR PTO OPERATION 2600 RPM - ALLISON 5TH GEN TRANSMISSIONS		
VEHICLE INTERFACE WIRING CONNECTOR WITHOUT BLUNT CUTS, AT BACK OF CAB		
ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR MOUNTED BACK OF CAB		

DD13 470 Auto Tri-Axle Roll-Off



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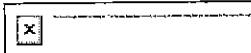
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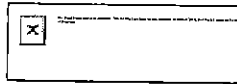
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Description	Weight Front	Weight Rear
CUSTOMER INSTALLED CHELSEA 280 SERIES PTO		
PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION		
MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN		
PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED		
TRANSMISSION PROGNOSTICS - ENABLED 2013		
WATER TO OIL TRANSMISSION COOLER, FRAME MOUNTED		
TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK		
SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)		
Front Axle and Equipment		
MFS-20-133A 20,000# FL1 71.0 INCH KPI/3.74 INCH DROP SINGLE FRONT AXLE	260	
MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES	10	
NON-ASBESTOS FRONT BRAKE LINING		
CONMET CAST IRON FRONT BRAKE DRUMS		
FRONT BRAKE DUST SHIELDS	5	
FRONT OIL SEALS		
SKF SCOTSEAL TF VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL		
STANDARD SPINDLE NUTS FOR ALL AXLES		
WABCO LONGSTROKE FRONT BRAKE CHAMBERS		
HALDEX AUTOMATIC FRONT SLACK ADJUSTERS WITH STAINLESS STEEL CLEVIS PINS		
STANDARD KING PIN BUSHINGS		
TRW THP-60 POWER STEERING WITH RCH45 AUXILIARY GEAR	130	
POWER STEERING PUMP		
4 QUART POWER STEERING RESERVOIR		
OIL/AIR POWER STEERING COOLER		
SYNTHETIC 75W-90 FRONT AXLE LUBE		

Front Suspension

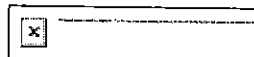


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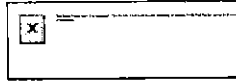


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Description	Weight Front	Weight Rear
20,000# TAPERLEAF FRONT SUSPENSION	200	
MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION		
FRONT SHOCK ABSORBERS		
Rear Axle and Equipment		
RT-46-160 46,000# R-SERIES TANDEM REAR AXLE		420
4.56 REAR AXLE RATIO		
IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		
RPL25SD MERITOR MAIN DRIVELINE	100	100
RPL20 MERITOR INTERAXLE DRIVELINE		
DRIVER CONTROLLED TRACTION DIFFERENTIAL - BOTH TANDEM REAR AXLES		30
(1) INTERAXLE LOCK VALVE, (1) DRIVER CONTROLLED DIFFERENTIAL LOCK FORWARD-REAR AND REAR-REAR AXLE VALVE		
BLINKING LAMP WITH EACH INTERAXLE LOCK SWITCH, INTERAXLE UNLOCK DEFAULT WITH IGNITION OFF		
BLINKING LAMP WITH EACH MODE SWITCH, DIFFERENTIAL UNLOCK WITH IGNITION OFF, ACTIVE <5 MPH, DEACTIVATE >25 MPH		
MERITOR 16.5X8.62 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
NON-ASBESTOS REAR BRAKE LINING		
BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S) WITH AUXILIARY SUPPORT BRACKETS		
CONMET CAST IRON REAR BRAKE DRUMS		-40
REAR BRAKE DUST SHIELDS		10
REAR OIL SEALS		
BENDIX EVERSURE LONGSTROKE HEAVY DUTY 30/36 2-DRIVE AXLES SPRING PARKING CHAMBERS		
HALDEX AUTOMATIC REAR SLACK ADJUSTERS WITH STAINLESS STEEL CLEVIS PINS		
SYNTHETIC 75W-90 REAR AXLE LUBE		
ARVINMERITOR METAL/COMPOSITE FITTING AND U-TUBE REAR AXLE BREATHER(S)		
Rear Suspension		

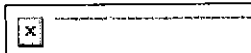


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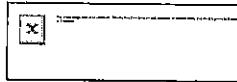


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Description	Weight Front	Weight Rear
AIRLINER 46,000# REAR SUSPENSION WITH CHAIN CLEARANCE		420
AIRLINER HIGH POSITION RIDE HEIGHT		
RESTRAINED AXLE SEATS IN AXLE CLAMP GROUP		
55 INCH AXLE SPACING		
MANUAL DUMP VALVE FOR AIR SUSPENSION WITH GAUGE		
INDICATOR LIGHT FOR EACH REAR SUSPENSION CONTROL SWITCH		
DUAL AIR REAR SUSPENSION LEVELING VALVES		
TRANSVERSE CONTROL RODS		
HEAVY DUTY SUSPENSION OPTION - 23,000#, 46,000#, 69,000# AIRLINER SUSPENSIONS		20
REAR SHOCK ABSORBERS - TWO AXLES (TANDEM) (AIR RIDE SUSPENSION)		
Pusher / Tag Equipment		
HENDRICKSON SC20 COMPOSILITE 20,000# AIR LIFT STEERABLE PUSHER SUSPENSION, 16.5X6 BRAKES AND FL1 AXLE	650	1,205
HENDRICKSON SC20/SCO20 20,000# FL1 STEERABLE 16.5X6 BRAKE INTEGRAL PUSHER AXLE		
(1) DASH VALVE AND (1) GAUGE FOR SINGLE LIFT AXLE		
REVERSE LIFT AXLE WIRING WITH LAST STATE RETENTION WITH IGNITION OFF		
(1) REGULATOR MOUNTED ON CHASSIS FOR SINGLE LIFT AXLE		
HENDRICKSON 16.5X6 CAST SPIDER CAM PUSHER/TAG BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
NON-ASBESTOS PUSHER/TAG BRAKE LINING		
WEBB CAST IRON PUSHER/TAG BRAKE DRUMS		
PUSHER/TAG BRAKE DUST SHIELDS		
PUSHER/TAG OIL SEALS		
VENTED PUSHER/TAG HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL		
HALDEX LONGSTROKE PUSHER/TAG AXLE SERVICE CHAMBERS		
HALDEX AUTOMATIC PUSHER/TAG SLACK ADJUSTERS		



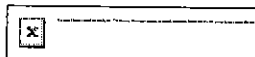
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Description	Weight Front	Weight Rear
HENDRICKSON SC20 COMPOSILITE 20,000# STEERABLE AIR LIFT PUSHER SUSPENSION 54 INCH AXLE SPACING PUSHER/TAG		
Brake System		
WABCO 4S/4M ABS WITH TRACTION CONTROL REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES FIBER BRAID PARKING BRAKE HOSE STANDARD BRAKE SYSTEM VALVES STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM STD U.S. FRONT BRAKE VALVE (2) 3-4.5 PSI RELAY VALVES, ONE FOR TANDEM AXLE AND ONE FOR PUSHER/TAG WABCO SYSTEM SAVER HP WITH INTEGRAL AIR GOVERNOR AND HEATER WABCO OIL COALESCING FILTER FOR AIR DRYER AIR DRYER MOUNTED INBOARD ON LH RAIL STEEL AIR BRAKE RESERVOIRS, NO TRIPLE OR TORPEDO TANKS CLEAR FRAME RAILS FROM BACK OF CAB TO FRONT REAR SUSPENSION BRACKET, BOTH RAILS OUTBOARD PULL CABLES ON ALL AIR RESERVOIR(S) CAB BLOW OUT KIT WITH AIR HOSE AND NOZZLE INSIDE LH CAB ENTRY DOOR	2	
Trailer Connections		
AIR CONNECTIONS TO END OF FRAME WITH GLAD HANDS FOR TRUCK AND DUST COVERS PRIMARY CONNECTOR/RECEPTACLE WIRED FOR COMBINATION STOP/TURN, CENTER PIN POWERED THROUGH IGNITION WITH STOP SIGNAL PREWIRE PACKAGE SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME UPGRADED CHASSIS MULTIPLEXING UNIT		
Wheelbase & Frame		
6850MM (270 INCH) WHEELBASE 1/2X3.64X11-7/8 INCH STEEL FRAME (12.7MMX301.6MM/0.5X11.88 INCH) 120KSI 1600MM (63 INCH) REAR FRAME OVERHANG	920	100

DD13 470 Auto Tri-Axle Roll-Off



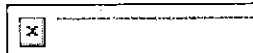
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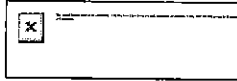


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Description	Weight Front	Weight Rear
FRAME OVERHANG RANGE: 61 INCH TO 70 INCH		
CALC'D BACK OF CAB TO REAR SUSP C/L (CA): 186.54 in		
CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA): 183.54 in		
CALC'D FRAME LENGTH - OVERALL: 349.96		
CALCULATED FRAME SPACE LH SIDE: 106.33 in		
CALCULATED FRAME SPACE RH SIDE: 232.87 in		
CALC'D SPACE AVAILABLE FOR DECKPLATE: 186.54 in		
SQUARE END OF FRAME		
FRONT CLOSING CROSSMEMBER		
STANDARD WEIGHT ENGINE CROSSMEMBER		
STANDARD MIDSHIP #1 CROSSMEMBER(S)		
STANDARD REARMOST CROSSMEMBER		
HEAVY DUTY SUSPENSION CROSSMEMBER		30
Chassis Equipment		
16.5 INCH PAINTED STEEL STRAIGHT BUMPER		
REMOVABLE FRONT TOW HOOKS STORED ON THE CHASSIS FRAME	25	
BUMPER MOUNTING FOR SINGLE LICENSE PLATE		
FENDER AND FRONT OF HOOD MOUNTED FRONT MUDFLAPS		
HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS		
Fuel Tanks		
70 GALLON/264 LITER RECTANGULAR ALUMINUM FUEL TANK - LH	15	5
RECTANGULAR FUEL TANK(S)		
PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS		
FUEL TANK(S) FORWARD		
PLAIN STEP FINISH		
FUEL TANK CAP(S)		
DAVCO 487 FUEL/WATER SEPARATOR WITH ESOC AND 12 VOLT AND 120 VOLT PREHEATER	15	
EQUIFLO INBOARD FUEL SYSTEM		

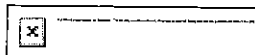


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Description	Weight Front	Weight Rear
HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		
Tires		
MICHELIN XZY-3 425/65R22.5 20 PLY RADIAL FRONT TIRES	196	
MICHELIN X MULTI D 11R24.5 16 PLY RADIAL REAR TIRES		192
MICHELIN XZU-S2 315/80R22.5 20 PLY RADIAL PUSHER/TAG TIRES		100
Hubs		
CONMET PRESET PLUS PREMIUM IRON FRONT HUBS		
CONMET PRESET PLUS PREMIUM IRON REAR HUBS		
CONMET PRESET PLUS PREMIUM IRON PUSHER/TAG HUBS		
Wheels		
ALCOA LVL ONE 82462X 22.5X12.25 10-HUB PILOT 4.68 INSET 10-HAND ALUMINUM DISC FRONT WHEELS	-8	
ALCOA ULTRA ONE 98U63X 24.5X8.25 10-HUB PILOT ALUMINUM REAR WHEELS		-152
ACCURIDE 41012 22.5X9.00 10-HUB PILOT 3.12 INSET 10-HAND ALUMINUM DISC PUSHER/TAG WHEELS		-38
POLISHED DISC SIDE FRONT WHEELS WITH DURA-BRIGHT FINISH		
POLISHED OUTER (DISHED SIDE) REAR WHEELS WITH OUTER ONLY DURA-BRIGHT FINISH		
POLISHED PUSHER/TAG WHEELS; BOTH SIDES OF OUTER WHEELS ONLY		
FORCEMATCH TIRE/WHEEL RUNOUT CHECK/MARK AND STATIC BALANCING - ALL TIRES/WHEELS		
NYLON WHEEL GUARDS FRONT AND REAR ALL INTERFACES		
Cab Exterior		
114 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB		
AIR CAB MOUNTING		
NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE		

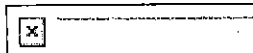


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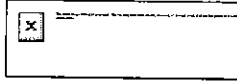


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Description	Weight Front	Weight Rear
FRONT FENDERS		
3-1/2 INCH FENDER EXTENSIONS	15	
LH AND RH GRAB HANDLES		
BRIGHT FINISH RADIATOR SHELL/HOOD BEZEL		
STATIONARY BLACK GRILLE WITH BRIGHT ACCENTS		
CHROME HOOD MOUNTED AIR INTAKE GRILLE		
FIBERGLASS HOOD		
HOOD LINER, ADDED FIREWALL AND FLOOR HEAT INSULATION	5	
SINGLE 14 INCH ROUND HADLEY AIR HORN UNDER LH DECK		
DUAL ELECTRIC HORNS		
SINGLE HORN SHIELD		
ALL UNIT(S) KEYED ALIKE WITH CUSTOMER SPECIFIED KEY NUMBER FT1013		
REAR LICENSE PLATE MOUNT END OF FRAME		
HALOGEN COMPOSITE HEADLAMPS WITH BRIGHT BEZELS		
LED AERODYNAMIC MARKER LIGHTS		
HEADLIGHTS ON WITH WIPERS, WITH LOW BEAM DAYTIME RUNNING LIGHTS		
INTEGRAL LED STOP/TAIL/BACKUP LIGHTS		
STANDARD FRONT TURN SIGNAL LAMPS		
DUAL WEST COAST BRIGHT FINISH HEATED MIRRORS WITH LH AND RH REMOTE		
DOOR MOUNTED MIRRORS		
102 INCH EQUIPMENT WIDTH		
LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS		
RH DOWN VIEW MIRROR		
RH AND LH 8 INCH HEATED STAINLESS-STEEL FENDER MOUNTED CONVEX MIRRORS WITH TRIPOD BRACKETS	12	
STANDARD SIDE/REAR REFLECTORS		
RH AFTERTREATMENT SYSTEM CAB ACCESS WITH PLAIN DIAMOND PLATE COVER		
COMPOSITE EXTERIOR SUN VISOR	10	
63X14 INCH TINTED REAR WINDOW		
TINTED DOOR GLASS LH AND RH WITH TINTED OPERATING WING WINDOWS		

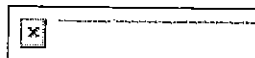


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Description	Weight Front	Weight Rear
RH AND LH ELECTRIC POWERED WINDOWS, PASSENGER SWITCHES ON DOOR(S)	4	
LOWER RH DOOR WINDOW WITH FRESNEL LENS	7	
1-PIECE TINTED CURVED BONDED WINDSHIELD WITH HEATED WIPER BLADE PARK AREAS		
8 LITER WINDSHIELD WASHER RESERVOIR, CAB MOUNTED, WITH FLUID LEVEL INDICATOR		
Cab Interior		
OPAL GRAY VINYL INTERIOR		
MOLDED PLASTIC DOOR PANEL WITHOUT VINYL INSERT WITH ALUMINUM KICKPLATE LOWER DOOR		
MOLDED PLASTIC DOOR PANEL WITHOUT VINYL INSERT WITH ALUMINUM KICKPLATE LOWER DOOR		
BLACK MATS WITH SINGLE INSULATION		
DASH MOUNTED ASH TRAY(S) WITHOUT LIGHTER		
CENTER STORAGE CONSOLE MOUNTED ON BACKWALL	20	
(2) CUP HOLDERS LH AND RH DASH		
GRAY/CHARCOAL WING DASH		
SMART SWITCH EXPANSION MODULE		
2-1/2 LB. FIRE EXTINGUISHER	5	
HEATER, DEFROSTER AND AIR CONDITIONER		
STANDARD HVAC DUCTING WITH SNOW SHIELD FOR FRESH AIR INTAKE		
MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH		
STANDARD HEATER PLUMBING		
VALEO HEAVY DUTY A/C REFRIGERANT COMPRESSOR		
BINARY CONTROL, R-134A		
PREMIUM INSULATION		
SOLID-STATE CIRCUIT PROTECTION AND FUSES		
12V NEGATIVE GROUND ELECTRICAL SYSTEM		
DOME DOOR ACTIVATED LH AND RH, DUAL READING LIGHTS, FORWARD CAB ROOF		
LH AND RH ELECTRIC DOOR LOCKS		

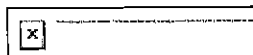


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Description	Weight Front	Weight Rear
(1) 12V POWER SUPPLY (1) DUAL 2.1 AMP USB CHARGER IN DASH		
TRIANGULAR REFLECTORS WITHOUT FLARES	10	
PREMIUM HIGH BACK AIR SUSPENSION DRIVER SEAT WITH 3 CHAMBER AIR LUMBAR, INTEGRATED CUSHION EXTENSION, FORWARD AND REAR CUSHION TILT, ADJUSTABLE SHOCK ABSORBER	70	
BASIC HIGH BACK NON-SUSPENSION TOOL BOX PASSENGER SEAT		
DUAL DRIVER SEAT ARMRESTS, NO PASSENGER SEAT ARMRESTS	4	
LH AND RH INTEGRAL DOOR PANEL ARMRESTS		
BLACK MORDURA CLOTH DRIVER SEAT COVER		
BLACK MORDURA CLOTH PASSENGER SEAT COVER		
HIGH VISIBILITY ORANGE SEAT BELTS		
ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN	10	
4-SPOKE 18 INCH (450MM) STEERING WHEEL		
DRIVER AND PASSENGER INTERIOR SUN VISORS		
Instruments & Controls		
GRAY DRIVER INSTRUMENT PANEL		
GRAY CENTER INSTRUMENT PANEL		
BLACK GAUGE BEZELS		
LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM		
2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES		
ENGINE COMPARTMENT MOUNTED AIR RESTRICTION INDICATOR WITH GRADUATIONS, WITH WARNING LIGHT IN DASH		
PRECO MODEL 360, CONSTANT 107 DB BACKUP ALARM		3
ELECTRONIC CRUISE CONTROL WITH SWITCHES ON AUXILIARY GAUGE PANEL (B DASH PANEL)		
KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY		
ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED		

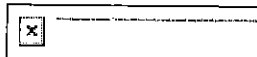


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Description	Weight Front	Weight Rear
HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH		
2 INCH ELECTRIC FUEL GAUGE		
FUEL FILTER RESTRICTION INDICATOR		
EMISSIONS LIMITED IDLE ADJUST		
ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE		
ENGINE OIL TEMPERATURE GAUGE		
2 INCH TRANSMISSION OIL TEMPERATURE GAUGE		
ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY		
(1) DASH MOUNTED PTO SWITCH WITH INDICATOR LAMP	5	
ELECTRIC ENGINE OIL PRESSURE GAUGE		
OVERHEAD INSTRUMENT PANEL		
SMARTPLEX HUB MODULE WITH OVERHEAD SWITCH MOUNTING, DRIVER SIDE AND CENTER CONSOLE (12 SWITCH SLOTS)	44	
CUSTOMER FURNISHED DIN RADIO PACKAGE	5	
DASH MOUNTED RADIO		
(2) RADIO SPEAKERS IN CAB		
AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF		
POWER AND GROUND WIRING PROVISION OVERHEAD		
ROOF/OVERHEAD CONSOLE CB RADIO PROVISION		
ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER		
STANDARD VEHICLE SPEED SENSOR		
ELECTRONIC 3000 RPM TACHOMETER		
VT-HU CONNECTIVITY PLATFORM HARDWARE		
5 YEARS DETROIT CONNECT BASE PACKAGE (VIRTUAL TECHNICIAN, DETROIT CONNECT PORTAL ACCESS) FOR VT-HU CONNECTIVITY PLATFORM		
IGNITION SWITCH CONTROLLED ENGINE STOP		
PRE-TRIP LAMP INSPECTION, ALL OUTPUTS FLASH, WITH SMART SWITCH		
5 ON/OFF LATCHING SMARTPLEX SWITCHES		



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Description	Weight Front	Weight Rear
1 ON/OFF MOMENTARY SMARTPLEX SWITCH 1-RED, 1-AMBER, 1-GREEN SMARTPLEX INDICATOR LAMPS		
BW TRACTOR PROTECTION VALVE		
TRAILER HAND CONTROL BRAKE VALVE		
DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY		
SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY PROGRAMMED TO SLOWEST SPEED WITH PARK BRAKE SET		
MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH		
TWO VALVE PARKING BRAKE SYSTEM WITH DASH VALVE CONTROL AUTONEUTRAL AND WARNING INDICATOR		
SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE		
INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS		

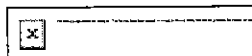
Color
CAB COLOR A: L0006EB WHITE ELITE BC BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT STANDARD BLACK BUMPER PAINT SUNVISOR PAINTED SAME AS CAB COLOR A STANDARD E COAT/UNDERCOATING

Certification / Compliance
U.S. FMVSS CERTIFICATION HEAVY DUTY REMOVABLE FLOOR MATS KENWOOD BLUETOOTH RADIO SYSTEM WITH (2) TWO ADDITIONAL SPEAKERS MOUNTED ON BACK CORNERS OF CAB

TOTAL VEHICLE SUMMARY

Weight Summary	Weight Front	Weight Rear	Total Weight
Factory Weight ⁺	10972 lbs.	9006 lbs.	19978 lbs.

DD13 470 Auto Tri-Axle Roll-Off



09/23/2019 7:40 AM

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Total Weight ⁺	10972 lbs.	9006 lbs.	19978 lbs.
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Warranty

EW4: DD13 VOC \$0 DED 7 YEARS/100,000 MILES/161,000 KM FEX APPLIES
TC4: HD MODERATE 7 YEARS/100,000 MILES / 161,000 KM EXTENDED TRUCK COVERAGE. FEX APPLIES
ALLISON 4000 RDS SERIES TRANSMISSION EXTENDED WARRANTY, 5 YEARS/UNLIMITED MILES FEX
AXLE: FRONT/TANDEM REAR HD MODERATE 5 YEAR/100,000 MILE/161,000 KM EXTENDED AXLE COVERAGE.
TOWING: 5 YEARS/UNLIMITED MILES/KM EXTENDED TOWING COVERAGE \$550 CAP FEX APPLIES

(+) Weights shown are estimates only.

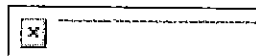
If weight is critical, contact Customer Application Engineering.

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

Body Package

- Galfab OR 75174 T121 (75,000 lbs./22ft) Roll Off Hoist
- Hoist Factory Mounted at Galfab
- 35 GPM Commercial Direct Mount Pump with 2-1/2" Large Gears
- Hot Shift PTO for Automatic Transmission
- Poly Tri-Axle Fenders
- Auxiliary Fold Down Short Stops (Set @102")
- Severe Duty Rear Hinge Package (4" More Bearing Than Comp)
- 48" Large Steel Plate Tool Box
- Heavy Duty Sub Frame
- 1/2" HD Side Mounting Plates
- Two Extra Rear Tail Rollers Incorporated in Tail Section
- 6' Container Guide Sill (All Core Ten Steel)
- Replaceable Roller Shaft's and Rollers
- Truck Light Sealed Lighting System with LED Lights
- 50 Gallon Hydraulic Oil Tank
- Auto Folding ICC Bumper (When Not Optioned with Pup Hitch)
- Auto Container Lock's (Hooker System)
- Hoist Painted Black
- Bronze Bushings on Rollers and All Winching Sheaves
- Five Spool Commercial Hydraulic Valve for Hoist and Cover System
- Automatic Load Hydraulic Cover with Ext Arms and Gantry
- Rear Pintle Plate with 40 Ton Hitch with Air Take Up and Glad Hands

DD13 470 Auto Tri-Axle Roll-Off



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**AUTOMIZER HELPING-HAND
SPECIFICATIONS for Town of East Hartford
CAPACITY 31 CU.YD.**

1- Body capacity

The body has a rounded shape enhancing resistance to deformation, durability and better legal payload.

The minimum capacity of the body, excluding hopper area is: 27 cu.yd
Hopper capacity is: 6.5 cu.yd
The capacity of the tailgate is: 4 cu.yd

2- Body dimensions

The body is rounded for better resistance

The body is tapered (walls and roof) to facilitate the unloading of the material and to increase compaction ratio.

The total taper dimension of the body sides is: 9.5 in
The inside body width at front is: 78 in
The inside body width at rear is: 87 1/2 in
The outside body width is not to exceed: 102 in
The inside body height at front is: 89 in
The inside body height at rear is: 92.5 in
The height tapering is: 3.5 in
The outside body height above frame is: 102 in
The overall length including hopper is: 296 in

3- Body floor construction

The body floor is rounded.

The body floor thickness is: 0.157 in

The body floor steel grade is: Hardox 450

The body floor yield strength is: 175,000 psi

The body long sills dimensions are: HSS tubing 5 x 2 x 1/4 in

The body long sills yield strength is: 50,000 psi

The hopper sump box volume is: 45 gal

The hopper sump box dimensions are: 24 X 19 X 93 in

Crossmember thickness is: 0.250 in

Crossmember steel grade is: CSA G40.21 50W

Crossmember dimensions are: 21 5/8 x 2 15/16 x 8 5/16 in

4- Body side walls construction



**AUTOMIZER HELPING-HAND
SPECIFICATIONS for Town of East Hartford
CAPACITY 31 CU.YD.**

The body walls are rounded and smooth, improving resistance and lightness.

They are in one piece, full length of the body to reduce welding seams.

Body windows are installed on the front wall of the body, to indicate when body is full.

A hinged door is installed to allow operator's access to the hopper on curbside.

Door on street side not accepted

Upper wall corner is rounded for better resistance to compression and stress

Lower body walls thickness is:	10 ga
Lower body walls steel grade is:	ASTM A1011 GR 80
Lower body walls yield strength is:	80 000 psi
Upper body walls thickness is:	12 ga
Upper body walls steel grade is:	ASTM A1011 GR 80
Upper body walls yield strength is:	80 000 psi
The hopper lower sides thickness is:	1/4 in
The hopper lower sides steel grade is:	Hardox 450
The hopper sides yield strength is:	175,000 psi
Dimensions of body windows (2), are:	8 x 8 in
The hopper upper left wall thickness is:	10 ga
The hopper upper right wall thickness is:	10 ga
The hopper walls upper part steel grade is:	ASTM A1011 CS
The hopper access door thickness is:	10 ga
The hopper access door steel grade is:	ASTM A1011 CS
The hopper access door dimensions:	28 5/8 x 44 in
Front bolster thickness is:	12 ga
Front bolsters steel grade is:	ASTM A1011 CS
Front bolsters dimensions are:	5 13/16 x 5 x 4 3/4 in
Rear bolsters thickness is:	0.188 in
Rear bolsters steel grade is:	ASTM A1011 CS
Rear bolsters dimensions are:	7 x 9 x 8 13/16 in

5- Body roof construction

Body roof is rounded and made of high yield steel for maximum resistance to stress

The roof thickness is:	12 ga
The roof steel is:	ASTM A1011 GR 80
The roof yield strength is:	80 000 psi
Rear bolsters steel grade is:	CSA G40.21 50W
Rear bolsters thickness is:	3/16 in
Rear bolsters dimensions are:	6 5/8 x 6 5/8 x 7 7/16 in



**AUTOMIZER HELPING-HAND
SPECIFICATIONS for Town of East Hartford
CAPACITY 31 CU.YD.**

6- Hopper dimensions and construction

The hopper floor is made of abrasion resistant steel.

The hopper floor steel grade is:

Hardox 450

The hopper floor thickness is:

1/4 in

The hopper floor yield strength is:

175,000 psi

Hopper depth curbside is:

40 in

Hopper depth streetside is:

77 in

Hopper length is:

73 in

Hopper width is:

72 in

Follower panels thickness is:

3/16 in

Follower panels steel grade is:

100QT

7- Rear tailgate

The rear tailgate is operated by 2 hydraulic cylinders.

The rear tailgate is equipped with automatic hydraulic locks and constant pressure system to allow leakproof joint

Tailgate hydraulic line is equipped with flow restrictor to prevent sudden descent.

A channel mounted rubber seal is installed on the tailgate to prevent liquid leakage.

The tailgate pivots around a fixed point preventing seal damage and friction against body

A cab mounted audible alarm is provided to indicate when the tailgate is unlocked.

A manual tailgate control with safety protection is installed in the cab to prevent accidental activation.

One tailgate safety prop is provided.

Tailgate length is:

33 in

Tailgate side and rear thickness is:

12 ga

The tailgate side and rear steel is:

ASTM A1011 GR 80

The tailgate side and rear yield strength is:

80 000 psi

Tailgate cylinders rods are:

Chrome-plated

Tailgate cylinders bore diameter is:

2 1/2 in

Tailgate cylinders rod diameter is:

1 1/4 in

Tailgate cylinders stroke is:

39 in

Tailgate cycle time at idle is:

55 sec

Tailgate side framing steel is:

AR200

Tailgate side framing thickness is:

0.188 in

Tailgate side framing is:

5 x 2 in

Tailgate top framing steel is:

A-500 grade C

Tailgate top framing thickness is:

0.188 in



**AUTOMIZER HELPING-HAND
SPECIFICATIONS for Town of East Hartford
CAPACITY 31 CU.YD.**

Tailgate top framing is:	4 X 3 in
Tailgate bottom framing steel is:	A-500 grade C
Tailgate bottom framing thickness is:	0.188 in
Tailgate bottom framing is:	7 X 3 in
Tailgate hinge pins diameter is:	1 1/4 in
Tailgate rubber seal height is:	35 in

8- Packer

The packer face is 16" high providing 66 750 lbs of force on material

Packer is operated by 2 single stage, double acting cylinders.

One complete set of packer controls located in cab is provided.

Emergency red button is provided to stop packer ram movement at any time.

Control buttons are industrial type,color coded and weather resistant.

The packer is guided by 2 rails made of steel grade:

Wear plates thickness is:	Hardox 500
Rail dimensions are:	1/4 in
Packer wear shoes steel grade is:	3 1/2 x 2 3/16 in
Packer wear shoes thickness is:	Hardox 450
Packer cylinders rods are:	3/8
Cylinder bore diameter is:	Chrome-plated
Cylinder rod diameter is:	4 in
Cylinder stroke is:	2 1/2 in
Maximum operation pressure:	40 in
Average compaction of refuse is:	3000 psi
Packing force:	900 lbs/cu.yd
Cylinder force:	66,750 lbf
Inside width of packing ram is:	75,400 lbf
Inside height of packing ram is:	71 in
Packing ram stroke is:	16 in
Packing ram top steel grade is:	52 in
Packing ram top thickness is:	CSA G40.21 100QT
Packing ram top yield strength is:	1/4 in
Packing face plate steel grade is:	100000 psi
Packing face plate thickness is:	CSA G40.21 100QT
Packing face plate yield strength is:	1/4 in
Packing ram swept volume is:	100,000 psi
Penetration of the ram into body is:	1.3 cu.yd
Packer cycle time, engine at idle, with arm in operation shall be:	6 in
Packer length (including following panels)	18 sec
Packer control buttons diameter is:	55 in
Packer pins diameter is:	1 9/16 in
Packer pins steel grade is:	1 3/4 in
	Casting steel 8630

9- Hydraulic system



**AUTOMIZER HELPING-HAND
SPECIFICATIONS for Town of East Hartford
CAPACITY 31 CU.YD.**

The hydraulic system is designed to allow easy maintenance
Hydraulic system is composed of a double Denison vane pump, one section for the body functions and one for the arm. Pumps have a common suction port. The hydraulic pressure body line shall be equipped with a Denison relief valve R5P, a Denison vent valve VV01 with a 12 volts DC in line mounted solenoid to divert the flow back to tank when pump is not engaged, and a flow control block for system protection
The hydraulic tank is pressurized for pump protection
The hydraulic tank is equipped with magnetic drain plug, oil level sight gauge and shut-off ball valve on suction line.
Return line filter is tank mounted style
Return filter has a bypass valve and a differential pressure gauge.
100 mesh suction strainer is installed in tank
Hydraulic tubing is used where flexibility is not needed.
All hydraulic tubes are zinc plated to prevent corrosion.
All tubes are securely clamped to prevent vibration, abrasion and excessive noise
All hoses are double braided minimum, high burst rated and abrasion resistant
All hydraulic hoses meet SAE standards
All hose bending radius respect manufacturer's requirements
Hydraulic system operates at acceptable temperature without external cooler
Quick disconnect fittings are provided so that a pressure gauge can be easily connected without using tools or hydraulic fittings removal.

Hydraulic pump model is:	Denison T6DC
the excess flow back to tank over:	45 gpm
Body functions pump maximum flow is:	20.0 gpm at 700 rpm
Arm functions pump maximum flow is:	16.0 gpm at 700 rpm
Hydraulic system pressure relief valve for the body is :	3000 psi
Hydraulic system pressure relief valve for the arm is :	2100 psi
Hydraulic tank capacity for cab over is:	85 gal
Maximum quantity of oil in hydraulic tank is:	74 gal
The in tank return line filter capacity is :	150 gpm
Nominal filtration rating :	5 mic
Beta filtration ratio per ISO 16889 is:	Beta ratio ₁₀ ≥200
Suction line strainer size is:	100 mesh
Suction line strainer flow capacity:	100 gpm
Hydraulic tank is baffled.	
Hydraulic tank is pressurized at:	5 psi
Return line filter cracking pressure is:	40 psi
Pump drive shaft is:	HD Spicer 1310 Series

10- Automated arm "Helping Hand" Long Reach

The automated arm is hydraulically operated and activated by an electro-proportional joystick located in the cab.



**AUTOMIZER HELPING-HAND
SPECIFICATIONS for Town of East Hartford
CAPACITY 31 CU.YD.**

The arm is mounted inside the hopper and is protected by a steel enclosure
The gripper fingers use rubber straps to adapt to a wide variety of containers
An integrated adjustable hydraulic cushioning valve is used
shocks on the extension cylinder

Joystick uses contactless Hall effect technology for better reliability.
Joystick has a deadman switch to prevent accidental activation of the arm
The center of the gripper is offset by a maximum of 24" from the center
of the lift pivot point

The arm is powder coated, high visibility safety yellow

Minimum bin size accepted by lifting mechanism is:	32 gal
Maximum bin size accepted by lifting mechanism is:	95 gal
Maximum lifting capacity at maximum reach is:	400 lbs
Vertical dump height is:	91 in
Maximum horizontal reach from side of vehicle is:	120 in
Minimum horizontal reach from side of vehicle is:	0 in
Lifting mechanism cycle time at minimum reach is:	8 sec
Lifting mechanism cycle time at maximum reach is:	22 sec
Unit weight without grab and oil but including valve is:	1990 lbs
Flow to Helping Hand from the flow control is:	20 gpm @ 700 RPM
Maximum operating pressure is:	2 000 PSI
The length of warranty on the automated arm and its cylinders is:	1 year

11- Body lifting mechanism

The body hoist cylinder is front mounted with outer cover and top ported
One safety prop is supplied to support the body in the raised position.
A light and audible alarm in cab are provided to indicate when
body is raised and remain activated until it is not completely down.

Body is raised by one single acting front mounted telescopic
cylinder with:

Telescopic cylinder rods surface treatment is:	4 sections
Cylinder stroke is:	Salt bath Nitrided
Cylinder Lifting capacity is:	180 in
Body cylinder bore diameter is:	57700 lbs
Body dump angle is:	6 1/16 in
Body lifting cycle time is:	45 deg
	40 sec @ 700 RPM

12- Crusher panel

Optional

An optional crusher panel is installed on the front wall of the body
optimize the compaction of the material and to facilitate the
transfer into the body.

Hydraulic protection is supplied to prevent dumping on top
of the panel

Crusher panel steel grade is:	50W
Crusher panel thickness is:	3/16 in
Crusher panel dimensions for standard body are:	63 X 34 in
Crusher panel is operated by 1 cylinder.	
Crusher panel cylinder rod is:	Chrome-plated
Crusher panel cylinder bore diameter is:	2 in
Crusher panel cylinder rod diameter is:	1 1/2 in
Crusher panel cylinder stroke is:	14 1/2 in
Crusher panel cylinder pins steel is:	Cold-roll Stressproof
Crusher panel cylinder pins diameter:	1 in

13- Electrical/Pneumatic systems

All stop, directional, tail and clearance lights are LED type, recessed mount
and water tight

All lights are FMVSS #108 compliant

Rear lights are integrated to tailgate structure.



**AUTOMIZER HELPING-HAND
SPECIFICATIONS for Town of East Hartford
CAPACITY 31 CU.YD.**

Back-up alarm is provided.
 Limit switches are heavy duty, industrial type, water tight with adjustable arm
 All circuits are protected with resettable circuit breakers and wiring is color coded and numbered.
 Wiring conforms to SAE J1128.
 Wiring connections are sealed with shrink tube
 All wiring run in plastic loom.
Electrical/Pneumatic valves are installed in a watertight box
All electric wires are run in side rub rails with bolted access panels for easy access, no wiring under body

14- Controls characteristics

Tailgate switch is:	Electric
Body lift switch is:	Electric
Pump switch is:	Electric
Packer controls are:	Electric
Arm joystick is:	Electro-proportional

If the body hydraulic control valve is pneumatic, electrical/pneumatic control valves will transfer the signal from the cab control to the body hydraulic control valve.

15- Console standard characteristics

All body and arm functions are controlled via a Canopen network
An LCD display with integrated diagnostic functions is installed in the cab
Real time operation assistance with continuous system status on screen
All switches are illuminated

16- Accessories

Mud flaps are supplied at front and rear of rear axle.

17- Painting

All parts are properly cleaned of all dirt, grease and weld slag.
Body, hopper and arm are shot blasted with steel beads
One coat (0,002") of polyurethane primer Imron Elite is applied on body
One finish coat (0,002") of polyurethane paint Imron Elite is applied on body
Finish paint coat is baked. 125°F-150°F
Arm is powder coated, safety yellow

18- Manuals

Parts, service and operator's manual are supplied for the refuse packer.

19- Lubrication

All body hinges, cylinder rod ends, cylinder base, trunnion and pivot points are supplied with grease fittings.

20- Warranty

The body manufacturer is certified ISO 9001.
 All internal inspection documents such as intermediate inspection booklets made at the body manufacturer are available and filed per vehicle.
 Length of warranty on defective parts will not be less than : 1 year
 Length of warranty on hydraulic cylinders and hoses will not be less than : 1 year
 Length of warranty on automated arm is not less than : 1 year

21- Selected Options



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**AUTOMIZER HELPING-HAND
SPECIFICATIONS for Town of East Hartford
CAPACITY 31 CU.YD.**

Clean out tools (broom, hoe & shovel kit including brackets; installed at front-of-body)
Body floor liner at front-of-body: 0.160in Hardox 450 steel - 48" long
LED light package: Additional red central brake light, stop, turn &
tail lights in special tailgate light box
Lights: amber, alternating, flashing 4" LED in upper tailgate
Lights: amber, alternating, flashing 4" LED in front-of-body
Back up lights: Qty 2 additional on tailgate position 2/3 - 4in LED type
Back up lights: Qty 2 additional on mid-body rubrails - LED type
Work light kit: single, in-cab single manual switch - LED type
Grabber counting device: counts number of carts dumped
Quadruple 3rd Eye cameras (no shutter)
3rd Eye 7" color LCD monitor - AWT07MLED
Ground level grease points: for tailgate & hopper door hinges
Central grease point for packer shoes and rails
Central grease point for follower panel rollers
Hopper side wall liners: 4mm Hardox 450 steel
CNG neck-mounted fuel tanks (Tailgate mounted) Qty 2 tanks - 86DGE
Ignition interlock on filling port cap (Front port)
Transit style port on street side
In-cab CNG gas alarm system
Hopper roof to protect against wind, rain or snow

22- Standard Options

Arm reach from side of vehicle: 120 in.
Arm lifting capacity (maximum reach): 400 lbs
Electro-proportional joystick with feathering capability
Hardox 450 body floor
Onboard diagnostic tool
Tapered body
Auto-Pack and gripper auto-close override
Multi-cycle for packing ram (2 to 3 strokes)
Circuit breakers with manual reset
ANSI Z245.1-2012 compliant
Body blasted with steel grit
Zinc-plated hydraulic tubing
Marine rust inhibitor treatment on body
Spill shield: installed behind grabber
Warranty on Body & Hydraulics: 1 Year



ISO 9001

**AUTOMIZER HELPING-HAND
SPECIFICATIONS for Town of East Hartford
CAPACITY 31 CU.YD.**

Labrie Refuse Body List Price with Options & CNG Equipment:	\$215,250.00
Less 20%	(\$43,050.00)
Total	\$172,200.00



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**AUTOMIZER HELPING-HAND
SPECIFICATIONS for Town of East Hartford
CAPACITY 31 CU.YD.**



The Peterbilt Store-N.E. (H838)
 116 Washington Street
 Plainville, Massachusetts 02762

Stock

Jon Kirkpatrick
 Phone:
 Email: jkirkpatrick@thepetestore.com

Stock Order

Vehicle Summary

Unit		Chassis	
Model:	Model 520	Fr Axle Load (lbs):	20000
Type:	Full Truck	Rr Axle Load (lbs):	46000
Description 1:	EAST HARTFORD ISX12N	G.C.W. (lbs):	66000
Description 2:	Copy of EAST HARTFORD ISX12N		
Application		Road Conditions:	
Intended Serv.:	Refuse/On-Highway	Class A (Highway)	100
Commodity:	Refuse, Scrap, Recycling	Class B (Hwy/Mtn)	0
		Class C (Off-Hwy)	0
		Class D (Off-Road)	0
Body		Grade:	6
Type:	At	ase (in):	221
Length (ft):		l (in):	75
Height (ft):		o BOC (in):	0.1
Max Laden Weight (lbs):			
	New	Axle (in):	220.9
		EOF (in):	295.9
		Comb. Length (in):	353.6
Trailer		Special Req.	
No. of Trailer Axles:			
Type:			
Length (ft):	0		
Height (ft):	0		
Kingpin Inset (in):	0		
Corner Radius (in):	0		
Restrictions			
Length (ft):	40		
Width (in):	102		
Height (ft):	13.5		

Approved by: _____

Date: _____

Note: All sales are F.O.B. designated plant of manufacture.



Std/ Opt	Description	S-List	Weight
Base Model			
S	Model 520 Peterbilt's Model 520 is built to withstand the harsh demands of the refuse industry. The rugged, aluminum cab delivers best-in-class durability for increased uptime and lap seam construction on a zinc-coated steel sub-frame for corrosion resistance. Bulkhead-style doors provide years of watertight performance. This low-cab forward vehicle adds a new dimension of productivity and versatility. An industry-leading, 65-degree cab tilt enhances maintenance and serviceability. Body installation is cost effective and efficient and the center console provides convenient access to body control integration points.	196,670	16,475
S	Refuse, Scrap, Recycling	0	0
S	Refuse/On-Highway Truck or tractor which hauls refuse, recycled material, etc. Includes roll-on/roll-off container movement, as well as hauling refuse from transfer stations to, but not into, landfills.	0	0
O	Automated Side Loader A lift-equipped truck used to pick up wheeled waste containers to load waste materials into the truck body. Requires a single operator. The load is removed by a tilt of the truck body.	0	0
S	United States Registry Canadian Registry Package Requires Air Conditioning Excise Tax Canada, Speedometer to be KPH ipso MPH, Daytime Running Lights and Rubber Battery Pad in Bottom of Battery Box.	0	0
Configuration			
S	Not Applicable Secondary Manufacturer	0	0
Frame & Equipment			
O	10-3/4" Steel Rails 343-450" 10.75x3.5x.375 Dimension, 2,136,000 RBM; Yield Strength: 120,000 psi. Section Modulus: 17.8 cubic inches. Weight: 1.74 lbs/inch pair	915	252
O	Full Steel Inner Liner	693	714
O	Zinc Coated Anti Corrosion Treated Frame Rails Requires Frame Rail Code. Zinc Phosphate coating will replace the standard frame rail primer and provide added corrosion prevention for your customer's operating in severe conditions or in climates where vehicle rust is common.	393	4
O	FEPTO Provision 9in Bumper Extension Includes 1350 Series Front Drive PTO Attachment Provision, Radiator with PTO Cut-Out in Grille, Radiator Protection Sleeve, and Bumper Extension	1,676	42
O	EOF Square with Steel Crossmember	165	64
S	Omit Rear Mudflaps and Hangers	0	0

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Std/ Opt	Description	\$ List	Weight
Front Axle & Equipment			
S	PACCAR Steer Axle 20,000 lb, 4 in. Drop Axle is designed for applications with a gross axle weight rating (GAWR) of 20,000 pounds. Front axle is designed for demanding applications such as construction, heavy haul, refuse, and other vocational uses. Robust forged steel beam construction for long-lasting performance. It utilizes innovative tapered kingpin roller bearings for more efficient operation and improved steering efficiency.	0	0
S	Taper Leaf Springs, Shocks 20,000 lb Standard with Heavy Resistance Shocks.	0	0
S	Power Steering Sheppard M100 Dual For use with 16,000 to 20,000 lb. axle ratings. Glidekote splines on steering shaft extend service life of components.	0	0
O	PHP10 Iron PreSet PLUS Hubs PHP10 iron PreSet PLUS hubs have a fully integrated spindle nut design, an optimized wheel spacer, magnetic fill plug on drive and trailer hubs for inspection of metal particles in lubricant, with a long life oil seal and bearings are pre-adjusted. Use with Front Axle.	-669	84
O	Bendix Air Cam Front Drum Brakes 16.5x7 For use with 16,000 lbs to 22,000 lbs steer axles or front drive axles. Includes automatic slack adjusters & outboard mounted brake drums.	811	0
O	PACCAR Wide Track IPO Standard 71in KPI IPO 69in front axle for improved turning radius.	0	0
O	Dust Shields, Cam Brakes, Front Axle	29	4
O	Long Stroke Brakes, Front Axle Long Stroke Brakes have 3" long-stroke chambers can provide improved braking efficiency and increased reserve stroke.	26	0
O	Gusseted Cam Brackets, Steer Axle	28	0
O	Bendix Slacks and Chambers on Steer Axle	17	0
O	Heavy Duty Cam Bushings, Steer Axle	31	0
Rear Axle & Equipment			
S	Dana Spicer D46-170 46,000 lb Interaxle diff lock air rocker occupies space of one gauge. Laser factory axle alignment to improve handling & reduce tire wear. Magnetic rear axle oil drain plug captures & holds any metal fragments in drive axle lube to extend service life. Parking brakes on all drive axles for optimal performance. Cognis EMGARD® FE 75W-90 synthetic axle lube provides over 1% fuel economy improvement. Reduces wear & extends maintenance intervals, resulting in increased uptime. Provides improved fluid flow to protect components in extreme cold conditions & withstand the stress from high temperatures, extending component life.	0	0
O	PHP10 Iron PreSet PLUS Hubs	-599	0
S	Long Stroke Parking Brakes, Drive Axle(s)	0	0

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Std/ Opt	Description	\$ List	Weight
O	Bendix Smart ATC Traction Control	228	2
O	Refuse Service Brakes, Steer And Drive Axles Designed for heavy-duty applications for refuse industry, providing long brake life, safety and performance.	0	0
O	Heavy Wall, Drive Axle(s)	881	88
O	Lube Pump, Drive Axle(s) Used to circulate oil within the axle housing. Recommended for use on 46,000 or greater axles used in refuse or severe service applications.	448	36
S	SBM Valve Full trucks require a spring brake modulation (SBM) system for emergency braking application. This system requires an SBM valve and a relay valve with spring brakes on the rear axles. The SBM valve allows the foot valve to operate the rear axle spring brakes if a failure exists in the rear air system.	0	0
O	Anti-Lock Braking System (ABS) 6S6M ABS-6. Includes air braking system.	414	35
S	Synthetic Axle Lubricant All Axles Peterbilt heavy duty models include Fuel Efficient Cognis EMGARD FE75W-90 which provides customers performance advantages over current synthetic lubricants with reduced gear wear and extended maintenance intervals, resulting in increased uptime. In addition, the lubricant provides improved fluid flow to protect gears in extreme cold conditions and withstand the stress from high temperatures, extending component life.	0	0
O	Bendix Air Cam Rear Drum Brakes 16.5x8.6 Bendix Air Cam Rear Drum Brakes to fit all heavy haul, construction, refuse and highway truck and tractor applications. Includes Automatic Slack Adjusters & Outboard Mounted Brake Drums. Refer to TSB 11-57 for more information.	-867	0
O	Bendix Slacks and Chambers on Drive Axle	58	0
O	Ratio 5.25 Rear Axle	0	0
O	Hendrickson Haulmax HMX460 46,000 lb, 54in Axle Spacing, 60K Creep Rating	1,011	-64
O	16.5in Saddle Height HMX400/460 IPO Std 18.5"	187	0

Engine & Equipment

O	ISX12N 350R@1700 GOV@2100 1450@1200 Refuse Rating (2018 Emissions) Includes aluminum flywheel housing. Chevron Delo LE SAE 15W40 engine oil is specially formulated for new low emissions engines. Magnetic engine oil drain plug captures and holds any metal fragments in engine oil to extend service life. N21320 N205 120...Standard Maximum Speed Limit N21470 P062 NO....Cruise Control Auto Resume (N21480 P068 NO....Auto Engine Brake in Cruise	45,069	1,065
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Std/ Opt	Description	\$ List	Weight
	N21450 P026 NO....Gear Down Protection (P026)		
	N21440 P015 YES...Engine Protection Shutdown (
	N21350 P001 64....Maximum Accelerator Pedal Ve		
	N21370 P059 64....Maximum Cruise Speed (P059)		
	N21590 P230 NO....Enable Hot Ambient Automatic		
	N21530 P233 YES...Enable Impending Shutdown Wa		
	N21540 P234 30....Timer For Impending Shutdown		
	N21460 P046 1400..Max PTO Speed (P046)		
	N21520 P030 5.....Timer Setting (P030)		
	N21570 P031 NO....Idle Shutdown Manual Overrul		
	N21610 P172 40....Low Ambient Temperature Thre		
	N21630 P171 80....High Ambient Temperature Thr		
	N21510 P520 NO....Enable Idle Shutdown Park Br		
	N21430 N201 0.....Reserve Speed Limit Offset (
	N21410 N202 0.....Maximum Cycle Distance (N202		
	N21400 N203 252...Reserve Speed Function Reset		
	N21420 N206 10....Maximum Active Distance (N20		
	N21340 P112 93....Hard Maximum Speed Limit (P1		
	N21550 P516 0.....Engine Load Threshold (P516)		
	N21620 P173 60....Intermediate Ambient Tempera		
	N21330 N207 0.....Expiration Distance (N207)		
	N21500 N209 0.....Expiration Distance (N209)		
O	Engine Idle Shutdown Timer Disabled	0	0
O	Enable EIST Ambient Temp Overrule	0	0
	Eff EIST NA Expiration Miles	0	0
	Effective VSL Setting NA	0	0
S	CARB Engine Idling Compliance PACCAR PX-7, PX-9 and MX, Cummins X15 and ISX diesel engines will include the required factory installed serialized sticker on the drivers door to identify them as meeting the NOx idling standard.	0	0
S	PACCAR 160 Amp Alternator, Brushed PACCAR 160 AMP alternator, brushed producing 160 Amps at road speed and 100 Amps at idle.	0	0
O	Immersion Type Block Heater 110-120V Standard location for 2.1M and 1.9M models is left-hand under cab, Model 520 is in bumper, and for Model 220 it is at the driver step. Plug includes a weather-proof cover that protects the receptacle. This pre-heater keeps the coolant in the engine block from freezing when the engine is not running.	74	2
O	PACCAR 12V Starter, N/A PACCAR MX Engines PACCAR 12-volt electrical system. With centralized power distribution incorporating plug-in style relays. Circuit protection for serviceability, 12-volt light system w/circuit protection circuits number & color coded.	0	0
S	3 PACCAR Premium 12V Dual Purpose Batt 2190 CCA Threaded stud type terminal. Stranded copper battery cables are double aught (00) or larger to reduce resistance.	0	0

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Std/ Opt	Description	\$ List	Weight
O	Kissing Battery Disconnect Switch, 300 amp Mounted on battery box	222	3
S	2-Speed Fan Clutch For Frequent Start/Stops A 2-speed fan clutch is ideal for vocational applications where the fan clutch engagement time exceeds 10% of the engine run time. When the fan clutch is disengaged, the fan still rotates at 15-25% of the engine RPM. This fan rotation provides crucial airflow to the engine and draws virtually no horsepower.	0	0
S	18.7 CFM Air Compressor N/A X15. Furnished on engine. Teflon lined stainless steel braided compressor discharge line.	0	0
O	C-Brake By Jacobs, ISX12N Features a dedicated cam lobe design for optimum power and three-stage engine brake operation. Includes 2 switches: A 2-position on/off engine switch. As well as a 3- position up, down, hold range selector switch.	0	0
O	Spin-On Fuel/Water Separator for Natural Gas Engines	0	0
S	No Fluid Heat Option for Fuel Filter	0	0
S	No Electric Heat Option for Fuel Filter	0	0
O	Engine Protection Shutdown Includes oil pressure, oil temperature, coolant temperature, and intake manifold temperature.	10	0
S	High Efficiency Cooling System Cooling module is a combination of steel and aluminum components, with aluminum connections to maximize performance and cooling capability. Silicone radiator & heater hoses enhance value, durability, & reliability. Constant tension band clamps reduce leaks. ClimaTech extended life coolant extends maintenance intervals which reduces maintenance costs. Anti-freeze effective to -30 degrees F helps protect the engine. Low coolant level sensor warns of low coolant condition to prevent engine damage. Radiator Size by Model: 579/367 FEPTO 1325 sq in, 567/365/367: 1440 sq in, 365 FEPTO: 1184 sq in, 389/367 HH: 1669 sq in, 348: 1000 sq in, 520: 1242 sq in.	0	0
O	Bugscreen-Removable Type Grille Mtd Additional clips at bottom of bugscreen.	84	0
S	Stainless Steel Grille	0	0
S	Heavy Duty Air Cleaner Molded rubber air intake connections with lined stainless steel clamps seal to prevent contaminants in air intake.	0	0
O	Exhaust Single LH Vertical L9N Or ISX12N Only	-3,296	-486
O	Curved Tip Standpipe(s)	70	1
O	Single 36" Standpipe	0	0

Transmission & Equipment

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Std/ Opt	Description	\$ List	Weight
O	Allison 4500 RDS-P Transmission, Gen 5 Rugged Duty Series. Includes Rear Transmission Support except on MX engines, TranSynd Transmission Fluid, and Water-Oil Heat Exchange. Also includes features that monitor the transmission fluid, filter and clutch condition. Will display percent life remaining for the transmission fluid, filter and clutches on the shift selector. This information may be displayed using the Mode and Up and Down buttons. A wrench icon will also be included to indicate when the transmission fluid, filter or clutches need servicing. Suited for vehicles operating on/off highway and/or requiring PTO operation. Forward ratios: 1st-4.70, 2nd-2.21, 3rd-1.53, 4th-1.00, 5th-0.76, 6th-0.67. Reverse ratios: DR-(5.55).	17,799	390
O	1810 HD Driveline, 1 Midship Bearing 4.5in x .180 wall tubing	-155	15
O	1710 Driveline Interaxle For tandem rear axles	-292	-5
O	Allison FuelSense 2.0 Not Desired	-106	0
S	Allison Neutral At Stop Neutral at Stop features and benefits: Reduces or eliminates the load on the engine when vehicle is stopped, can help lower fuel consumption and CO2 emissions, and is included in FuelSense 2.0 Plus and Max packages only.	0	0
S	Console Mounted Push Button Shifter Allison transmissions	0	0
O	Allison 6-Speed Configuration, Wide Ratio Gears Allison 4500 transmission only	0	0
O	Allison Output Function S Neutral Indicator For PTO. Required on Refuse Packer Applications. With this configuration NEUTRAL only, PTO engagement is permitted only when the transmission is in Neutral. Once the transmission is in Neutral, the PTO is automatically engaged and fast idle is initiated when the PTO switch is switched On. Also, with this configuration Pack-on-the-fly, the PTO is automatically engaged and fast idle is initiated when the PTO switch is On concurrently with shifting of the transmission to Neutral.	0	0
Air & Trailer Equipment			
S	Bendix AD-IS EP Air Dryer, Heater Coalescing filter, extended purge	0	0
S	Nylon Chassis Hose	0	0
O	Central Location For Air Tank Drain Valves Wire braid hose to air tanks. (Not available with optional drain valves.)	337	4
S	Steel Painted Air Tanks All air tanks are steel with painted finish except when Code 4543330 Polish Aluminum Air Tanks is also selected (then exposed air tanks outside the frame rails will be polished aluminum). Peterbilt will	0	0

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Std/ Opt	Description	\$ List	Weight
	determine the optimal size and location of required air tanks. Narratives requesting a specific air tank size or location will not be accepted for factory installation. See ECAT to determine number or location of air tanks installed.		
Tires & Wheels			
S	FF: BR 20ply 315/80R22.5 M870 Diameter= 42.8 inches; SLR= 19.9 inches	0	0
O	RR: BR 16ply 11R22.5 M799 Diameter = 42.0 inches; SLR = 19.5 inches	824	80
S	Code-rear Tire Qty 08	0	0
S	FF: Accur Stl Armor 29039PK 22.5X9.00 PHP10-5 Hand Holes	0	0
S	RR: Accur Stl Armor 50291PK 22.5X8.25 Heavy Duty, Two Hand Holes	0	0
S	Code-rear Rim Qty 08	0	0
Fuel Tanks			
O	No Fuel Tank/Fuel System Provided, CNG Only	-398	0
O	Location LH BOC 000 Gal	0	0
O	Locate BOC Fuel Tank(s) Rearward As Far As possible	0	0
O	Polish All Fuel / Hydraulic Tank Straps Does not apply to rectangular DEF tank straps	92	0
O	CNG / LNG Frame Rail Mounted Tank Only	0	0
O	CNG Fuel System	0	0
Battery Box & Bumper			
O	Aluminum Battery Box LH Frame Mtd Back Of Fender 8" Below top of frame	559	0
O	Rubber Battery Pad In Bottom of (1) Battery Box Mat in box that holds batteries only	24	2
O	Steel Bumper Swept Back Painted Requires bumper extension, includes two front tow eyes with pins	-164	2
O	Notched Top Flange Of Bumper	50	0
O	Screen Over Air Intake Opening In Bumper	11	2
Cab & Equipment			
O	53in LCF ProBilt Cab RH Drive Use with auto trans. Includes steel frames with alum and fiberglass panels, all alum doors, dual door stops, door locks, tinted safety glass	1,345	0



Std/ Opt	Description	\$ List	Weight
	thru-out, cab and door mounted entry grab handles, 65 degree hydraulic tilt, stainless steel grille, dual rear cab fenders, service module BOC (cab tilt pump, oil fill and dipstick, coolant fill and check, fluid fill and dipstick for auto trans), door mounted armrests, power windows, full insulation, rubber floor mats, ergonomic center control console, removable instrument panel, Driver Information Display, LED backlit gauges, pull down windshield sunshade, 16in steering wheel with integrated horn button, tilt/telescopic adjustable column, over-door storage, driver and passenger side cup holders, USB charging port and 12VDC charging outlet, header includes HVAC controls, rear cab corner windows, 18in bolt-on step on each side, self-canceling turn signals and Front Directional and Side Mounted Turn Signals.		
S	4.5" Rubber Flares on Cab and Wheel Well Fenders	0	0
O	Sears C2 Plus Driver Seat Features contoured metal seat and back pans, ergonomically contoured cushions - 20" wide, recliner, 5.25" total suspension travel, shock absorber. Available in cloth or molded vinyl.	296	0
S	Peterbilt Passenger Seat	0	0
O	Seat Belt Color Red IPO Standard Black	10	0
O	Air Ride Driver	310	43
O	Mid Back Driver	76	0
S	Vinyl Driver	0	0
S	Non-Air Ride Passenger	0	0
S	Low Back Passenger	0	0
S	Vinyl Passenger	0	0
S	Gray Interior Color Includes ABS gray headliner & rear cab panel, gray vinyl engine tunnel cover. For LH, RH, and dual steer dual seated power windows are standard on both doors. For dual steer RH stand-up the LH window is power and the RH window is a manual sliding window.	0	0
S	Adjustable Steering Column - Tilt/Telescope	0	0
S	Steering Wheel With Peterbilt Logo Steering Wheel with embossed Peterbilt logo over horn button.	0	0
O	Diamond Plate Floor Covering on Driver side floor in place of Rubber Mat. In Dual Steer application RH Diamond Plate covering is standard. Single drive applications the Diamond Plate is optional.	46	6
S	Rear Window Back of Cab Standard Tint 18.5in X 54in	0	0



Std/ Opt	Description	\$ List	Weight
S	2-Piece Flat Windshield	0	0
S	Combo Fresh Air Heater/Air Conditioner With radiator mounted condenser, dedicated side window defrosters, Bi-Level Heater/Defroster Controls, 54,500 BTU/HR, and silicone heater hoses.	0	0
O	Outside Sunvisor - Stainless Steel Not available with 2.1M high roof sleeper.	363	4
O	Mirrors SSTL Each Side Heated and Motorized with Switch on Door.	-29	-7
O	(4) Convex 8 Inch SSTL Mirrors; (2) Center These optional convex mirrors provide enhanced rearward visibility by allowing the driver to see the operation of front-end loader arms or other obstacles that may interfere with operation in refuse services. The mirrors have an off-center mounting that maximizes adjustability for field of view. Dual door stops are included with these mirrors for added protection to the mirrors during cab entry and exit. These stainless steel mirrors, includes 4 convexed 8" and 2 center, are mounted center over mirror bracket. If rear view mirrors are heated, the convex mirrors will be heated. Includes dual door stops.	117	4
S	(1) Air Horn 15" Painted Mounted under cab.	0	0
O	ConcertClass w/CD, Bluetooth Phone and Audio Includes AM/FM, WB, USB and MP3.	495	10
O	Midlevel Speaker Package For Cab (4) Speakers	134	6
O	Radio Mute When Allison Transmission In Reverse	295	0
O	Bluetooth Located On Driver Side	0	0
S	SmartLINQ Remote Diagnostics SmartLINQ is Peterbilt's proprietary remote diagnostics service which monitors the engine and aftertreatment for diagnostic codes providing real-time code analysis maximizing vehicle uptime and strengthening the fleets partnership with their dealer. SmartLINQ provides fault coverage for over 800 codes, a customizable email notification for 116 codes plus a web portal to manage your entire fleet included at no additional charge. SmartLINQ is compatible with any telematics system and doesn't require a specific fleet management system. For those whose customers utilize PeopleNet, the pre-wire with remote diagnostics will provide a more integrated solution utilizing the existing SmartLINQ modem. For those whose customers utilize other fleet services products, the existing pre-wire option for the other fleet service devices will continue to be available. SmartLINQ is standard with MX-13 engines and available on Models 579, 567, 389, 367 and 365.	0	0
O	Windshield Reservoir Fill Tube Routed To Back Of Cab with RH sit down cab.	23	0
O	Cab Tilt Pump Air Assist	509	0

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Std/ Opt	Description	\$ List	Weight
O	Rain Gutters Over Driver and Passenger Doors	75	8
S	Peterbilt Pantograph Windshield Wipers With intermittent feature.	0	0
O	Triangle Reflector Kit, Ship Loose Florescent triangle emergency road flares are designed to meet and exceed all DOT standards.	20	13
S	Backup Alarm Wiring To EOF	0	0
O	Engine Oil Temperature Gauge Located in Driver Information Display	0	0
S	Main Transmission Oil Temperature Gauge Located in Driver Information Display	0	0
S	Air Restriction Indicator Mounted on exhaust stanchion	0	0
O	Warning Light Battery Disconnect, Switch Engaged Marker light external mounted	15	0
O	Headlights Single Rectangular LED	811	0
S	(5) LED Clearance With (2) LED Marker Lights Includes (5) lights mounted on roof of cab and (1) cab side marker light mounted in front of each cab door	0	0
S	None Furnished Stop/Tail/Backup Lights Available with full truck only, not available with tractor	0	0
O	Brake Lights Activated by Park Brake Requires option 7726010	50	0
Paint			
S	Standard Paint Color Selection	-200	0
O	(1) Color Axalta Two Stage - Cab/Hood Base Coat/Clear Coat N85020 A - L0006EY WHITE N85700 BUMPER L0001EA BLACK N85500 CAB ROOF L0006EY WHITE N85200 FRAME L0001EA BLACK	0	0
Shipping Destination			
O	Shipping Destination Other Than Dealer (Specify by narrative)	0	0
Options Not Subject To Discount			
S	Peterbilt Class 8 Standard Coverage 1 year/100,000 Miles (160,000 km)	0	0
O	Frame Layout Identical to Previous Chassis	475	0
Miscellaneous			

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Std/ Opt	Description	\$ List	Weight
O	2017 EPA Emissions Engine Warranty Only	0	0
O	Peterbilt Sourcewell Program Code	0	0
O	Presentation Created With SmartSpec	0	0

Promotions

Order Comments

Total List Price (W/O Freight & Warranty & Surcharges)	\$268,121
Standard Dealer Discount	\$61,668
Price Protection Amount	\$0
Marketing and Service Support Fee	\$675
Prepaid Freight	\$3,225
Total Surcharge/Options Not Subject To Discount	\$475
Quotation Total - Unit	\$236,678
Quotation Total - Fleet	\$236,678
Total Weight	18,965

Prices and Specifications Subject to Change Without Notice.

Unpublished options may require review/approval.
Dimensional and performance data for unpublished options may vary from that displayed in CRM.

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Purchase Order

Fiscal Year 2020 Page 1 of 0

THIS NUMBER MUST APPEAR ON ALL INVOICES, PACKAGES AND SHIPPING PAPERS.
 Purchase Order # **20202031-00**

BILL TO

0395B
 GRANTS ADMINISTRATION OFFICE
 EAST HARTFORD TOWN HALL
 740 MAIN STREET
 EAST HARTFORD CT 06108

Delivery must be made within doors of specified destination.

VENDOR

THE PETERBILT STORE - NEW ENGLAND LLC
 116 WASHINGTON STREET
 PLAINVILLE MA 02762

SHIP TO

GRANTS ADMINISTRATION OFFICE
 EAST HARTFORD TOWN HALL
 740 MAIN STREET
 EAST HARTFORD CT 06108

Vendor Phone Number		Vendor Fax Number		Requisition Number		Delivery Reference	
				2433			
Date Ordered	Vendor Number	Date Required	Freight Method/Terms		Department/Location		
01/02/2020	96943				GRANTS ADMINISTRATION		
Item#	Description/Part No.			Qty	UOM	Unit Price	Extended Price
	PURCHASE OF 2 CNG POWERED REFU						
	The Above Purchase Order Number Must Appear On All Correspondence - Packing Sheets And Bills Of Lading						
1	PURCHASE OF 2 CNG POWERED REFUSE HAULERS PER SOURCEWELL CONTRACT #081-716-PMC			1.0	EACH	\$674,000.000	\$674,000.00
	G7400 - 64503 \$36,220.00						
	S4743 - 64503 \$637,780.00						

Department Copy

Department Copy

PO Total **\$674,000.00**



Purchase Order

Fiscal Year 2020

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THIS NUMBER MUST APPEAR ON ALL INVOICES, PACKAGES AND SHIPPING PAPERS.
 Purchase Order # **20202522-00**

BILL TO

0395B
 GRANTS ADMINISTRATION OFFICE
 EAST HARTFORD TOWN HALL
 740 MAIN STREET
 EAST HARTFORD CT 06108

Delivery must be made within doors of specified destination.

VENDOR

FREIGHTLINER OF HARTFORD INC
 222 ROBERTS STREET
 EAST HARTFORD CT 06108

SHIP TO

GRANTS ADMINISTRATION OFFICE
 EAST HARTFORD TOWN HALL
 740 MAIN STREET
 EAST HARTFORD CT 06108

Vendor Phone Number	Vendor Fax Number	Requisition Number	Delivery Reference
		3029	

Date Ordered	Vendor Number	Date Required	Freight Method/Terms	Department/Location
05/05/2020	77255			GRANTS ADMINISTRATION

Item#	Description/Part No.	Qty	UOM	Unit Price	Extended Price
	TRUCKS FOR PUBLIC WORKS DEPART				
	The Above Purchase Order Number Must Appear On All Correspondence - Packing Sheets And Bills Of Lading				
1	PURCHASE OF ROLL-OFF HOIST AND BULKY WASTE TRUCKS FOR PUBLIC WORKS VIA STATE CONTRACT #14PSX0239	1.0	EACH	\$389,020.000	\$389,020.00
	C9957 - 69290			\$155,620.00	
	S4743 - 64503			\$233,400.00	

Department Copy

Department Copy

	PO Total	\$389,020.00
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ATTACHMENT D-3

VENDOR ESTIMATE FOR H.I. STONE & SON, INC



401 OLD GATE LANE
P.O. BOX 3201
MILFORD, CONNECTICUT 06460
(203) 877-3281 (800) 229-0050

PURCHASER He I Stone & Son Inc. SALESPERSON Jack Burns
 PLEASE ENTER MY ORDER FOR: NEW USED PRIOR LEASE/RENT MAKE Mack MODEL P164T YEAR 2021 STOCK NO. _____
 COLOR Red IDENT. NO. _____

INSTRUCTIONS TO SALESMEN: When figuring deal, fill in blanks as follows:
 White ; ALL Deals • Red ; CASH Deals ONLY • Blue ; FINANCED Deals ONLY

ODOMETER READING _____		DESCRIPTION OF TRADE-IN	
CASH PRICE AT SELLER'S PLACE OF BUSINESS:		MAKE _____	MODEL _____ YEAR _____
ACCESSORIES AND EXTRA EQUIPMENT:	<u>As per quote</u>	COLOR _____	TYPE _____
		IDENT. # _____	
		ODOMETER READING _____	
		WARRANTY INFORMATION	
		<u>As per Mack Trucks</u>	
		<u>Included in price \$ 6150</u>	
		<u>For Wet Line System</u>	
		PRICE OF VEHICLE WITH ACCESSORIES	(1) <u>129110 71</u>
The Dealer Conveyance Fee is not Payable to the State of Connecticut. This Fee is Negotiable.		DEALER CONVEYANCE FEE	(2) <u>95 00</u>
		<u>FET Tax</u>	(3) <u>15493 29</u>
		SALES TAX	(4) _____
		GREEN HOUSE GAS REDUCTION FEE	(4a) _____
		CASH PRICE (1+2+3+4+4A)	(5) <u>144609 00</u>
		REGISTRATION AND TITLE FEE	(6) _____
		TOTAL CASH DELIVERED PRICE (5+6)	(7) <u>144604 00</u>
NO REFUND OF DEPOSIT			
CASH DOWNPAYMENT	DEPOSIT \$ _____ (RECEIPT NO. _____) + ADDITIONAL DEPOSIT \$ _____ (RECEIPT NO. _____)	(8)	
TRADE-IN	(9)	(9-10)	
LESS BALANCE OWING TO:	(10)	(11)	
15. OTHER CHARGES: INSURANCE (No Insurance Included Except): A. Cost of Required Physical Damage Insurance (16A) \$ _____ B. Cost of Optional Mechanical Breakdown Insurance (16B) \$ _____ BUYER MAY CHOOSE THE PERSON THROUGH WHICH THE INSURANCE IN A AND B IS TO BE OBTAINED. C. Cost of Creditor Insurance for the term hereof COVERAGE OF THE BUYER BY ANY SUCH INSURANCE IS NOT REQUIRED BY SELLER. Check Creditor <input type="checkbox"/> Life (16C) _____ Insurance <input type="checkbox"/> Disability (Accident & Health) (16C) _____ Desired <input type="checkbox"/> Other (describe) (16C) _____ BUYER'S APPROVAL: I DESIRE TO OBTAIN THE CREDITOR INSURANCE CHECKED ABOVE FOR THE BUYER PROPOSED FOR INSURANCE. Date _____ BUYER'S SIGNATURE <input checked="" type="checkbox"/> _____ CO-BUYER'S SIGNATURE <input checked="" type="checkbox"/> _____		TOTAL DOWNPAYMENT (8+11)	(12) _____
		UNPAID BALANCE OF CASH DELIVERED PRICE (7-12)	(13) <u>144604 00</u>
		UNPAID BALANCE OF CASH PRICE (5-12)	(14) _____
		OTHER CHARGES: REG. & TITLE \$ _____ + LIEN FEE \$ _____	(15) _____
		OTHER CHARGES: INSURANCE	(16a,b) _____
		SUB TOTAL	_____
		OTHER CHARGES: INSURANCE	(16c) _____
		AMOUNT FINANCED (13+14+15a, b, c) (The amount of credit provided to you or on your behalf.)	(17) _____
		FINANCE CHARGE * (THE DOLLAR AMOUNT THE CREDIT WILL COST YOU)	(18) _____
		TOTAL OF PAYMENTS (17+18) (The amount you will have paid after you have made all payments as scheduled)	(19) _____
		TOTAL SALE PRICE (5+15+16+18) (The total cost of your purchase on credit including your down payment of \$ _____)	(20) _____

20. PAYMENT SCHEDULE: The Total of Payments (Item 19) is payable at seller's office designated below or at such office of any assignee as may be hereafter designated in _____ instalments of \$ _____ each, commencing _____, YR _____, and on the same day of each successive month thereafter, or as indicated in space below.

Any instalment which is more than twice the amount of an otherwise regularly scheduled equal instalment is a BALLOON PAYMENT.

21. DEFAULT CHARGE IN EVENT OF LATE PAYMENT if any instalment is not paid within 10 days after it is due a charge will be payable by the buyer as follows: 5 % of the unpaid instalment or \$ 10.00 whichever is less.

22. DESCRIPTION OF SECURITY INTEREST Seller retains a security interest under the Uniform Commercial Code in the property described above and any proceeds to secure payment and performance of buyer's obligation hereunder, including any additional indebtedness incurred as provided herein, and under any extensions or renewals hereof.

_____ at _____ is a creditor
 FINANCING INSTITUTION _____ ADDRESS _____

23. PREPAYMENT REBATE Upon prepayment in full buyer is entitled to a rebate of the Finance Charge (Item 18) in accordance with the provisions of Chapter 669, Connecticut General Statutes. An acquisition charge of \$25 will be deducted in determining the amount of rebate. No rebate of less than \$1 will be paid.

Inquiries relating to billing errors may be directed to seller at: _____ ADDRESS _____ TELEPHONE NUMBER _____

This order is subject to all the terms and conditions specified on the back of this form and I have read the matter on the back hereof and agree to it as a part of this order the same as if it were printed above my signature. This order shall not be binding upon the seller until it is accepted by its authorized officer as shown by his signature on the original order on the form below. No person is authorized to change any of the conditions of this order, and no representations or terms not written herein shall be of any effect. **USED VEHICLES ONLY:** The information you see on the window form for this vehicle is part of this contract. information on the window form overrides any contrary provisions in the contract of sale.

DATED AT _____ PURCHASER _____ (L.S.)
 THIS _____ DAY OF _____ YR _____ AUTHORIZED SIGNATURE V _____ (L.S.)
 ACCEPTED FOR THE SELLER _____

BY _____ STREET 313 Main St.
 ITS _____ TOWN Southbury ST Ct. ZIP 06488
 The Reynolds and Reynolds Company FL626917 Q (11/16) TEL 203-264-8656
SEE OTHER SIDE FOR ADDITIONAL TERMS AND CONDITIONS



Year Model: 2020 P164T
 VIN: 1M1PN4GY4LM007064
 Order Number: 071937
 Build Date:
 In Service Date:

\$ 144604.32

Includes Wet Liner + F.E.T

MODEL DEFINING

Code	Description	Family
0010001	TRACTOR	VEHICLE TYPE
5060002	6X4	NUMBER OF AXLES
51AACX	BRAND MACK	BRAND
5290043	PINNACLE AXLE FORWARD, CONVENTIONAL (PI)	MODEL INDENT CONDENSED
7740001	AXLE FORWARD	FRONT AXLE POSITION
AAAX28X	MACK CONVENTIONAL PRODUCTS	PRODUCT CLASS
ABXLQX	MACK CONVENTIONAL, MEDIUM X, MED HIGH CAB POS, 6'4" TRACTOR	PRODUCT TYPE
CDX30X	CLASSIC STYLE HOOD	CONVENTIONAL TYPE
CKX50X	CONVENTIONAL (N-SERIES)	VEHICLE PROFILE
DAX15X	6 WHEELS THEREOF 4 DRIVING	AXLE ARRANGEMENT
DDX10X	TRACTOR TYPE	CHASSIS TYPE
FAX20X	STEERING WHEEL POS. LEFT HAND SIDE	STEERING WHEEL POS.
FKX55X	CAB POS, MEDIUM X COORD (LONGITUD) MEDIUM Z COORD (HEIGHT)	CAB POSITION
FYX10X	FRONT AXLE POSITION, 2380MM	FRONT AXLE POSITION
LAX05X	ELECTRICAL SYSTEM 12 VOLT	VOLTAGE
M29778	P164T	MODEL SALES CODE
PT10003	CMM 64T - ANTHEM / PINNACLE TRACTOR	PRODUCT TYPE
US00015	TSP with MMC BACK OFFICE PROCESS (PROBUILDER)	

2 TRUCKS - CLASS 8
 = \$289,208.64

Bureau of Air Management
 Engineering Division
 SEP 19 2019

MODEL DEFINING: 18 Items

VEHICLE INFO

Code	Description	Family
0029621	PINNACLE 64T DAYCAB MACKSPEC	
0050003	VAN TRAILER	VEHICLE USE AND BODY/TRAILER TYPE
0060001	SELECT AN APPLICATION	VEHICLE USE AND BODY/TRAILER TYPE
0130001	COMMERCIAL	TYPE OF SERVICE
0220000	NO PILOT REQUESTED	PILOT INSPECTION
0260078	2017/18 RAPID QUOTE MANAGEMENT PROGRAM - US	SALES PROMOTION
1YAA1X	CARB REGULATIONS CERTIFICATION	USA STATE REGULATIONS
36XDZX	ENGLISH DECALS/SIGNS	LANGUAGES ON DECALS/SIGNS
38XAEX	1ST PUBLICATION LANGUAGE AMERICAN ENGLISH	FIRST PUBLICATION LANGUAGE
39XE1X	CERTIFICATION LABELS, USA	CERTIFICATION LABELS
5051701	ALL 50 STATES, CARB ENGINE EMISSION (US17)	INITIAL REGISTRATION LOCATION
5340001	ENGLISH	LANGUAGE
78XB1X	MORE THAN ONE DELIVERY OR PICK-UP OF GOODS EVERY 50KM	TRANSPORT CYCLE
70BC1X	BRAKE REGULATION, STOPPING DISTANCE 76M (250 FT)	BRAKE REGULATION
9160001	CUSTOMARY - ENGLISH UNITS	DIMENSION CONVERSION
98XB2X	NORTH AMERICA NA-PROD	MARKET + AREA
99X93X	FACTORY MACUNGIE	FINAL ASSEMBLY PLANT
9PXGWX	UNITED STATES OF AMERICA	MARKET IN MAR
ASDB1X	INTERIOR GENERATION, 2	INTERIOR GENERATION
ADXE1X	EXTERIOR GENERATION FIVE	EXTERIOR PACKAGE GENERATION
APP0001	CLASS A HIGHWAY	VEHICLE APPLICATION CLASS
CAR0080	80000 LB (36000 KG) GCW/GWW	CARRIER APPLICATION
DHX10X	WELL MAINTAINED SURFACED ROADS >95% DRIVING DISTANCE	ROAD CONDITION
DKXG2X	36.0 TONNES, GROSS COMBINATION WEIGHT	GROSS COMBINATION WEIGHT
E1BD1X	AMB TEMP HOT, UP TO +40C, WARMER ALLOWED 25 H/YEAR	AMBIENT TEMP UPPER LIMIT (GTA)
FDXD1X	2 REAR AXLES, 2 DRIVEN	REAR AXLE ARRANGEMENT
J7DACX	PRODUCTION ORDER PLANNING, SHORT TO MEDIUM LEAD TIME	
MAJ0905	SALES PROGRAM TRACKING 3 - USA	PROGRAM FINANCIAL TRACKING
MOC0008	OPERATING CLASS 8	
OSCE1X	VAN BODY / BOX BODY / CURTAINSIDER, NON-INSULATED	
P81020A	2008-10-07	
QXCB1X	GRADES <6% DUR<98% OF DRIV DIST, MAX GRADE 16%	TOPOGRAPHY
SRZ281	PINNACLE 64T DAYCAB	

VEHICLE INFO: 33 Items

ENGINE/TRANSMISSIONS

Code	Description	Family
08AA1X	2.25 DEGREE ENGINE CRANK ANGLE	ENGINE CRANK ANGLE
1001768	MP8-505C MACK 505HP @ 1500-1700 RPM (PEAK) 1950 RPM (GOV) 18	ENGINE
1361501	TMD12AFO mDRIVE 12 SP-MACK(OVERDRIVE)	TRANSMISSION
2MCA1X	GREEN HOUSE GAS COMPLETE VEHICLE & COMPLETE CERTIFICATION	VEHICLE GHG CERTIFICATION
3GCA1X	GREEN HOUSE GAS HIGHWAY APPLICATION	GHG APPLICATION, VEHICLE
3TABNX	505HP	ENGINE POWER
5037001	MACK MP8 SERIES	ENGINES-GENERAL DESCRIPT
5121000	MACK	TRANSMISSION VENDOR
8680000	MECHANICAL TRANSMISSION	AUTOMATIC TRANSMISSION
9DC11X	COOLANT PUMP SPEED RATIO, VARIABLE	COOLANT PUMP SPEED RATIO
B960017	EPA-2017 DIESEL ENGINE W/CEGR/DPF/SCR	ENGINE EMISSIONS LEVEL
CJXAX	EXHAUST GAS RECIRCULATION, COOLED	EXHAUST GAS RECIRCULATION
DPXFSX	13 L. ENGINE	ENGINE TYPE
H18AAX	TURBO SINGLE STAGE	TURBO FAMILY FOR 2017
HEX05X	MACK ENGINE	ENGINE MANUFACTURER



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HFXOAX	1950 RPM, GOVERNED ENGINE RPM	GOVERNED ENGINE RPM
HHXY2X	2401 NM - 2550 NM, ENGINE TORQUE RANGES	ENGINE TORQUE RANGES
I3AEAX	ENGINE APPLICATION BASIC	
KTXVPX	USA 2017 ENGINE EMISSION	ENGINE EMISSION CONTROL
N1CC1X	DRIVELINE TECHNOLOGY, COMBUSTION	DRIVELINE TECHNOLOGY
N8CC1X	LIQUID FUEL	ENGINE FUEL CONCEPT
O8AE1X	ENGINE PTO TORQUE CAPACITY 1000NM	ENGINE PTO TORQUE CAPACITY
Q1CA1X	GEAR SELECTION TUNING, BASIC	GEAR SELECTION TUNING
QPXAAX	TRANSMISSION APPLICATION BASIC	TRANSMISSION APPLICATION
QWXA1X	TURBO BASIC DESIGN	TURBO
REXC1X	CRANK CASE VENTILATION OPEN EXTENDED	CRANK CASE VENTILATION
RTX05X	MECHANICAL TRANSMISSION	TRANSMISSION TYPE
RUXFLX	AUTOMATED GEAR SHIFTING	GEAR SHIFTING SYSTEM
RWXH5X	VPT AUTOMATED TRANSMISSION 2600NM OVERDRIVE	TRANSMISSION
RXXA1X	VPT TRANSMISSION	TRANSM. MANUFACTURER
U3AF8X	HIGHEST GEAR RATIO, 0.78	HIGH GEAR RATIO (TRANSMISSION)
U6AA1X	ENGINE GOVERNOR TYPE MIN-MAX	ENGINE GOVERNOR TYPE
U9AH0X	2ND HIGHEST GEAR RATIO, 1.00	SECOND HIGH GEAR RATIO TRANS

ENGINE/TRANSMISSIONS: 33 Items

EXHAUST/EMISSIONS

Code	Description	Family
0RAD1X	DPF REG CONTROL, AUTO IN MOTION, MAN STAT, INHIBIT ALLOWED	REGENERATION CONTROLS, DPF
1305001	NO MUFFLER, SINGLE (R/S) VERTICAL STRAIGHT EXH STACK TURNED	EXHAUST
1LAK1X	SELECTIVE CATALYST REDUCTION, HORZ RHS INTEGRATED	SCR ORIENTATION
2AC21X	GREEN HOUSE GAS SOFT TOP FACTOR, 0 MINUTES	GHG VSL SOFT TOP FACTOR
2BC21X	GHG SPEED LIMITER EXPIRATION MILEAGE 0 MILES	GHG VSL EXPIRATION MILEAGE
4RAA2X	SCR SYSTEM EQUIPMENT, ELECTRICALLY HEATED	SCR SYSTEM EQUIPMENT
5BAAXX	EXHAUST HEAT SHIELD TYPE, BASIC	EXHAUST HEAT SHIELD TYPE
78AC7X	EMISSION OBD, DISPLAY ONLY, USA2018	EMISSION ON BOARD DIAG CONTROL
8NAB1X	DPF COVER STAINLESS STEEL, POLISHED	DPF COVER
9KAB1X	IDLE EMISSION CERTIFICATION, CARB 08	IDLE EMISSION CERTIFICATION
CIR0003	IDLE EMISSION CERTIFICATION, CARB (WITH DECAL LOCATED ON LOW	IDLE EMISSION CERTIFICATION
DF11170	70L / 26" DIA SEMI TANK LEFT SIDE FRAME MTD	DEF TANK
DPF0111	CLEARTECH ONE BOX E.A.T.S. RH SIDE UNDER CAB US17	DPF DIESEL PARTICULATE FILTER
G8BA1X	AD-BLUE TANK MOUNTING LOCATION, FRAME RAIL	AD-BLUE TANK MOUNTING LOCATION
K0XD1X	TURNED OUT EXTENSION	EXHAUST STACK FEATURES
KLXD1X	EXHAUST DIRECTION, VERTICAL RIGHT	EXHAUST DIRECTION
KRX85X	EXHAUST STACK 3.55 METRE, HEIGHT OVER GROUND (11'6")	EXHAUST STACK HEIGHT
KSXK1X	SELECTIVE CATALYST REDUCTION + DPF INTEGRATED, VOLVO ENG	EXHAUST AFTERTREATMENT SYSTEM
MLXBMX	AD-BLUE TANK 70 LITER LEFT HAND SIDE	AD-BLUE TANK LEFT HAND SIDE
Q0AC2X	BRIGHT SINGLE EXHAUST SYSTEM MATERIAL FINISH, INCLUDE ELBOW	EXHAUST SYSTEM MATERIAL FINISH
TSAH1X	DIESEL PARTICULATE FILTER, HORZ RHS INTERGRATED	DPF ORIENTATION
TOXABX	DEF TANK MATERIAL, PLASTIC	AD-BLUE TANK MATERIAL
U0XASX	SEMI RECTANGULAR DEF TANKS FOR DIAM 66 BRACKETS	AD-BLUE TANK SHAPE
U6BC1X	DEF TANK COVER, BRIGHT FINISH	AD-BLUE TANK COVER
V5CC1X	OBD EMISSIONS, CONSEQUENCE 1	OBD EMISSIONS CONSEQUENCE
V6CE1X	ON BOARD DIAG EMISSIONS PHASE C REGULATIONS	OBD EMISSIONS PHASE REGULATION
Y78C1X	IDLE EMISSION LABEL LOCATION, LOWER DRIVER DOOR CORNER	IDLE EMISSION LABEL LOCATION

EXHAUST/EMISSIONS: 27 Items

ENGINE EQUIPMENT

Code	Description	Family
1100800	MACK ENGINE BRAKE POWER LEASH FOR MP8	ENGINE BRAKE
1134100	MERITOR/WABCO 318 (18.7 CFM)	AIR COMPRESSOR
1180027	BEHR FAN & ELECTRONIC MODULATING VISCOUS FAN DRIVE (LOW NOIS	FAN DRIVE
1219001	BLACK ALUM MOUNTED BEHIND GRILLE	BUG SCREEN
1240003	MACK BRAND EPDM RADIATOR & HEATER HOSES	HOSES - RADIATOR/HEATER
1250101	11" SINGLE ELEMENT DONALDSON	AIR CLEANER
1311215	12 VOLT DELCO MTHD39	STARTER
1321228	12V130A DELCO 24SI (130 AMP)	ALTERNATOR
1400002	ALUMINUM (LIGHTWEIGHT)	FLYWHEEL HOUSING
1UAABX	AIR CLEANER HOUSING MATERIAL, PLASTIC	AIR CLEANER HOUSING MATERIAL
1VAAXX	AIR INTAKE SOURCE, HOOD OUTSIDE	AIR INTAKE SOURCE
2930001	MACK W/MANUAL DRAIN VALVE (INTEGRAL W/PRIMARY FUEL FILTER)	FUEL-WATER SEPARATOR
3165105	3-12V MACK M/F 31 650 CCA THREADED STUD TYPE	BATTERIES
36AA1X	TETHER DEVICE PKG 1 (OIL FILL & EXP TNK CAPS)	TETHER DEV PKG, CAPS & COVERS
3930071	RH UNDER CAB-US10	BATTERY BOX - MOUNTING
40AA1X	COOLING HOSES CLAMP, BASIC	COOLING HOSES CLAMP OPTIONS
4CC21X	ALTERNATOR CABLE AMP RATING, LOW (UP TO 165 AMPS)	ALTERNATOR CABLE AMP RATING
5NXA1X	110 VOLT / 1.5 KW, ENGINE BLOCK HEATER	ENGINE BLOCK HEATER
64AA1X	ALTERNATOR MANUFACTURER-DELCO	ALTERNATOR MANUFACTURER
H6XA1X	WITH RADIATOR SCREEN, BEHIND THE GRILLE	RADIATOR SCREEN
H9XK1X	NARROW RADIATOR WITH LENGTH 3 (80 DM2)	RADIATOR TYPE
HLX05X	RUBBER COOLANT HOSE	COOLANT HOSE
HTXA8X	VPT ENGINE BRAKE 6 WITHOUT EPG AND VARIABLE GEOMETRI TURBO	ENGINE BRAKE TYPE



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HWXA1X	WITH FILTER/CONDITIONER	COOLANT FILTER / CONDITIONER
J3XA3X	DUAL ENGINE MOUNTED FUEL FILTER, 2 STEP W. WATER SEPARATOR	FUEL FILTER SECONDARY
JAXA2X	41 DEG. C ATB COOLING CAPACITY	COOLING CAPACITY
JMXB1X	BRAKE LIGHTING, BASIC	ENGINE BRAKE LIGHTING
J5XA5X	VISCOUS FAN CLUTCH, ELECTRIC CONTROLLED, LOW NOISE	FAN CLUTCH TYPE
JTXAAX	BEHR FAN CLUTCH	FAN CLUTCH MANUFACTURER
JVXBAX	FUEL FILTER, WATER SEPARATOR, GENERIC	PRIMARY FUEL FILTER
K9XADX	ANTI-FREEZE -37C (-34F) BASIC LIFE COOLANT	COOLANT
KWXA1X	ONE STAGE AIR CLEANER (PRIMARY)	AIR CLEANER TYPE
KXXA1X	SMALL AIR CLEANER	AIR CLEANER SIZE
L4X21X	RHS BATTERY BOX, BEHIND FRONT FENDERS	BATTERY BOX MOUNTING
L5XF1X	POLISHED ALUMINUM BATTERY BOX COVER	BATTERY BOX COVER
L8XJAX	3 BATTERIES, 650 CCA	BATTERY CAPACITY
L9XA1X	GENERIC BATTERY	BATTERY MANUFACTURER
MBXA1X	STANDARD FUEL FILTER POSITION	PRIMARY FUEL FILTER POSITION
MOXAAX	BATTERY SHOCK PADS	BATTERY ISOLATION
NCXASX	12V STANDARD STARTER DELCO 39MTHD	STARTER
PJXMFJ	12V 130AMP BRUSHED	ALTERNATOR CAPACITY
Q8AB1X	ONE BATTERY BOX, 3 BATTERIES MAX.	B-BOX QTY AND BATT.PER BOX
QHXC1X	OIL PAN STEEL	OIL SUMP
R5DA1X	RADIATOR APPLICATION, BASIC	RADIATOR APPLICATION
VWXA2X	1 CYL 530 L/MIN. COMPRESSOR	COMPRESSOR CAPACITY
Y6EAAX	COOLANT COMPOSITION, ETHYLENE	

ENGINE EQUIPMENT: 46 Items

CLUTCH/TRANS EQUIPMENT

Code	Description	Family
1335201	ZF/SACHS SINGLE PLATE 17" (430MM) ORGANIC MATERIAL	CLUTCH
1390026	OIL COOLER - M-DRIVE GEAR BOX MTD. LH SIDE WATER TO OIL COOL	TRANSMISSION OIL COOLER
1951103	MERITOR RPL25HD W/PERMALUBE U-JOINTS	DRIVELINE - MAIN
2041101	MERITOR RPL20	DRIVELINE - INTERAXLE
31AA1X	HILL START ASSIST	HILL START ASSIST
4921402	MACK mDRIVE-PREMIUM SHIFTER	GEAR SHIFT
4LD41X	TRANSMISSION OUTPUT TORQUE BASIC	
5DEF1X	BRAKE PNEUMATIC PRESSURE CONTROL, DISTRIBUTED	
76AA1X	PROPELLER SHAFT MAIN, UNIVERSAL JOINT HALF-ROUND TYPE	PROPELLER SHAFT MAIN, UNVSE INT
77AA1X	PROP SHAFT DIMENSION, INTERAXLE, SMALL	PROP SHAFT DIMENSION INTERAXLE
7RXB1X	SYNTHETIC OIL IN TRANSMISSION	LUBRICANTS, TRANSMISSION
8WAAAX	PROP SHAFT INTERAXLE, UNIV JOINT HALF-ROUND TYPE	PROP SHAFT INTERAXL UNIV JOINT
9040001	HALF-ROUND	DRIVESHAFT UNIVERSL JOINT
K1DN1X	TRANSM OIL PROPERTIES 10 STD 1273.19	TRANSMISSION OIL PROPERTIES
RAXA2X	1 (SINGLE) PLATE 17" (430MM), ORGANIC, B VERSION	CLUTCH TYPE
RCCB1X	ALUMINUM BELL HOUSING	BELL HOUSING
RDXD1X	SACHS CLUTCH	CLUTCH MANUFACTURER
RLVXG1X	GEAR SHIFTING, BASIC	GEAR SHIFT LEVER
SL40003	50W SYNTHETIC LUBRICANT, EATON/ROCKWELL TRANS	SYNTHETIC LUBRICANT - TRANSMISSION
T2XB1X	MECTRAIN. OIL COOL, WAT./OIL, HIGH PERF. VERS 2, GEARB.MOUNT	TRANSMISSION/RETARDER COOLER
THXELX	PROPELLER SHAFT MANUFACTURER, MERITOR RPL SERIES	PROPELLER SHAFT MANUFACTURER

CLUTCH/TRANS EQUIPMENT: 21 Items

FRONT AXLE EQUIPMENT

Code	Description	Family
0KXG1X	BASIC HUB UNITIZED (IRON) FRONT	HUB MATERIAL, FRONT
1BXBDX	PAG SCHAEFFLER FRONT HUB OIL SEAL	HUB OIL SEAL, FRONT
1KAA1X	WITH SHOCK ABSORBER, FRONT	SHOCK ABSORBER, FRONT
2401506	FXL12 MACK 12000LB (5400KG) STRAIGHT SPINDLE/UNITIZED BRGS	FRONT AXLE
2416310	MACK AIR DISC BRAKES, 430MM, 17"	BRAKES - FRONT
2441006	12,000LB HD TAPER LEAF 5400KG	SPRINGS - FRONT
2452118	THP50 TRW POWER	STEERING
3850001	DOUBLE ACTING TYPE FRONT SHOCK ABSORBERS	SHOCK ABSORBERS - FRONT
6ZXA1X	FRONT MUDGUARD, BASIC	MUDGUARD TYPE, FRONT AXLE
7VXC1X	PETROLEUM/SYNTHETIC (50/50) OIL FRONT AXLE	
FTXD1X	LOW GROUND CLEARANCE - HIGH OFFSET	GROUND CLEARANCE F.A.
FUXC1X	FRONT AXLE, UNIT BEARING	FRONT AXLE CONCEPT
FVXD0X	FRONT AXLE LOAD 5.4 TONNES (12000 LBS)	FRONT AXLE LOAD
FWXA1X	FRONT AXLE	FRONT AXLE MANUFACTURER
FXXD1X	1 * 5.5 TONNES, FRONT AXLE	FRONT AXLE TYPE CAPACITY
FZXA1X	1 FRONT AXLE, 0 DRIVEN	FRONT AXLE ARRANGEMENT
JRXCLX	MAINTENANCE FREE, RUBBER SPRING EYE BUSHINGS	FRONT SUSP MAINTENANCE
K4AAAX	BASIC (NO OPTION) SPINDLE NUTS, FRONT	SPINDLE NUTS, FRONT
LQXT2X	BRAKE LINING MATERIAL, FRONT, TMD T7070 (use on disc)	BRAKE LINING MATERIAL FRONT
OSB3X	FRONT BRAKE CHAMBER 225Q INCHES (SERVICE)	FRONT BRAKE CHAMBER SIZE
SL60005	PETROLEUM / SYNTHETIC (50/50) IN FRONT AXLE (GREASE NOT OIL)	
U0AF1X	FRONT BRAKE ADJUSTMENT, AUTOMATIC PROPRIETARY	FRONT BRAKE ADJ. MANUFACTURE
U3XD1X	FRONT BRAKE DISC LIGHT WEIGHT	BRAKE, FRONT
USXF1X	DISC BRAKE DIAM. 430 MM	BRAKE DIMENSION, FRONT



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UAXA1X	BRAKE SYSTEM, CONVENTIONAL	BRAKE SYSTEM
UDXA1X	FRONT BRAKES WITH DUST SHIELDS	FRONT AXLE BRAKE DUST SHIELD
V4AC2X	FRONT WHEEL BRAKE TYPE, DISC (L BRAKE)	WHEEL BRAKE TYPE, FRONT
V7AF1X	FRONT BRAKE CHAMBER MANUFACTURER, WABCO	FRONT BRAKE CHAMBER MFG.
X8AD1X	FRONT WHEEL BRAKE MANUFACTURER, PROPRIETARY	WHEEL BRAKE MANUFACTURE, FRONT
XAXBFX	STEERING GEAR, RATIO 18.2 (TRW THP60)	STEERING GEAR RATIO
YFXA5X	PARABOLIC SPRING (STIFFER THAN NORMAL) FRONT	FRONT SPRING TYPE
YKXA1X	LEAF (MECHANICAL) SUSPENSION ,FRONT	FRONT SUSPENSION SYSTEM
ZGXC1X	BASIC HUBCAP, FRONT	FRONT HUBCAP TYPE

FRONT AXLE EQUIPMENT: 33 Items

REAR AXLE EQUIPMENT

Code	Description	Family
0180000	VENDOR CARRIER	CARRIER/RATIO - REAR AXLE
0280000	VENDOR CARRIERS	REAR AXLE SUPPLIER- FBO
0380002	REAR AXLE CASING HEAVY DUTY	RR AXLE CASING DUTY RATING
0391700	17" DIAMETER	REAR BRAKE DIAMETER
0960005	MACK TANDEM AIR	REAR SUSPENSION
0LXL1X	ALUMINUM PRESET HUB, DRIVE W/ INTEGRATED SPINDLE NUT	HUB MATERIAL, DRIVE
1861515	MAXLITE 40 EZ (GEN.2)	REAR SUSPENSION - TANDEM
1CX12X	DRIVE HUB SEAL, PREMIUM	HUB OIL SEAL, DRIVE
2340010	WITH SHOCK ABSORBER, ALL REAR AXLES	SHOCK ABSORBERS - REAR
2370001	AUX SPRING BRAKE QTY, 2 CHAMBERS	SPRING BRAKE CHAMBERS - QUANTITY
2536310	MERITOR EX+ AIR DISC BRAKES, 430MM (17") - L TYPE	BRAKES - REAR
2540400	DRVR CONT INTR WHEEL DIFF LOCK FRT RR AXLE ONLY; MANUAL AIR	TRACTION DIFFERENTIAL
2560003	IN CAB MANUAL AIR VALVE W/ WARNING BUZZER & LIGHT	POWER DIVIDER LOCKOUT
2570336	3.36 RATIO	CARRIER/RATIO - REAR AXLE - RATIO
2682113	MT-40-14X4C 40000LB-MERITOR AMBOLD (HIGH ENTRY)	REAR AXLE/SUSPENSION - TANDEM
2690052	52"	
2XBALX	REAR SUSPENSION DEMAND, BASIC	REAR SUSPENSION DEMAND
3000100	WABCO	SPRING BRAKE CHAMBERS - VENDOR
3290002	TRANSVERSE TORQUE ROD, ALL DRIVE AXLES	TRANSVERSE TORQUE RODS
38AJ1X	VENDOR REAR AXLE CARRIER	REAR AXLE DIFF CARRIER TYPE
3LAC1X	POWER DIVIDER LOCKOUT, W/BUZZER & LIGHT	DIFFERENTIAL LOCK SWITCH
4AAA1X	REAR SUSPENSION MANUFACTURER, MACK	REAR SUSPENSION DESIGN
5110003	DISC - C FLANGE	REAR BRAKE TYPE
6982000	MACK ROAD STABILITY ADVANTAGE BENDIX ABS/ATC/RSA W/YAW CNTRL	ANTI-LOCK BRAKE SYSTEM
6GAAEX	DRV AXL SPNDL LOAD RATING R SRIES (23.6T TAND 11.8T SING)	DRIVE AXLE SPINDLE LOAD RATING
6MAA1X	REAR AXLE CASING WIDTH, STANDARD	REAR AXLE CASING WIDTH
7170001	ABS 4SENSOR/4MODULATOR SYSTEM REAR WHEEL END SENSORS	ABS SENSOR/CHANNEL OPTION
7WXA1X	PETROLEUM OIL IN REAR AXLE	LUBRICANTS, REAR AXLE
8824000	40000 LB, 18100 KG.	REAR AXLE RATING
8830002	INTEGRATED TYPE	REAR AXLE SPINDLE NUT
8880001	PDLO	PDLO
8ZDAAX	ELECTRONIC STABILITY CONTROL REGULATION FMVSS	STABILITY CONTROL REGULATIONS
9790001	FACTORY OPTION WELD ON ABS	WELD ON ABS BLOCK OPTION
9GAAAX	ABS 4 SENSORS & 4 MODULATORS (FRONT & REAR AXLES)	ABS SENSOR & MODULATOR
FLXH1X	REAR AXLE LOAD 18 TONNES (40000 LBS)	REAR AXLE LOAD
F2XQ1X	2 AXLES, 2 DRIVE, 4 AIR VOAS (1.8)	REAR AXLE INSTALLATION
GWXBVX	BOGIE SPREAD, 1320MM (52.0")	BOGIE SPREAD, REAR
J6DB1X	AIR SUSPENSION DUMP, SPEED LIMITED, WARNING IND & BUZZER	AIR SUSPENSION DUMP WARNING
MAXT2X	BRAKE LINING MATERIAL, DRIVE, TMD T7070 (use on disc)	BRAKE LINING MATERIAL DRIVE
N2AE1X	SPINDLE NUTS, MAIN AXLE, INTERGRATED	SPINDLE NUTS, MAIN AXLE
O6ABHX	18 TONNES, REAR SUSPENSION CAPACITY	REAR SUSPENSION CAPACITY
R1XF1X	SINGLE REDUCTION REAR AXLE, MERITOR	REAR AXLE TYPE
R2XCGX	TANDEM AXLE, 18T, GCW57, SINGLE RED, MERITOR (MT-40-A14°C)	REAR AXLE
R3XB1X	WELDED REAR AXLE CASING	REAR AXLE CASING TYPE
R6XB1X	REAR AXLE CASING, HEAVY DUTY	REAR AXLE CASING DUTY RATING
R9XA1X	REAR AXLE DIFF CARRIER HOUSING MATERIAL - IRON	DIFFERENTIAL HOUSING MATERIAL
SL30000	FACTORY OPTION LUBE / TANDEM REAR AXLE	LUBRICANT - TANDEM REAR AXLE
TAXEJX	RATIO 3.36 REAR AXLE	REAR AXLE RATIO
TUXD1X	DIFF LOCK BETWEEN AX (INTERAXLE)+BETWEEN WHLS (FRT AX ONLY)	DIFFERENTIAL LOCK
U1AG1X	REAR BRAKE ADJUSTMENT, AUTOMATIC PROPRIETARY	REAR BRAKE ADJ MANUFACTURE
U4XD1X	BRAKE DRIVE, REAR, DISC LIGHT WEIGHT	BRAKE, DRIVE, REAR
UBXF1X	DISC BRAKE DIAM. 430 MM	BRAKE DIMENSION, DRIVE
UEXZ1X	REAR DRIVE BRAKES WITHOUT DUSTSHIELDS	DRIVE AXLE BRAKE DUST SHIELD
UJXABX	MID MOUNT BRAKE CYL, AXLE BACKSIDE	BRAKE CYL. LOCATION (CA)
UKXA1X	BASIC LENGTH STROKE	BRAKE CYLINDER STROKE LENGTH
UPXH1X	WABCO PARK BRAKE CHAMBER	PARK BRAKE CHAMBER MANUFACTURE
URXD1X	BRAKE VALVE VERSION, USA-BENDIX, WHERE POSSIBLE	BRAKE VALVE VERSION
V1AE3X	REAR BRAKE CHAMBER 24 / 24 SQ INCHES (SERVICE / EMERGENCY)	REAR BRAKE CHAMBER SIZE
V5AC2X	REAR WHEEL BRAKE TYPE, DISC (L BRAKE)	WHEEL BRAKE TYPE, REAR
WNX10X	WHEEL SENSOR ANTILOCK BRAKE SYSTEM	ANTILOCK BRAKE SYST.
WPXA1X	WITH TRACTION CONTROL	TRACTION CONTROL
WRXA1X	BENDIX ANTI LOCK BRAKE	ANTI LOCK BRAKE SYS. MFG



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X7AF1X	REAR WHEEL BRAKE MANUFACTURER, PROPRIETARY	WHEEL BRAKE MANUFACTURER, REAR
XUXA1X	REAR SUSPENSION HEIGHT STANDARD	REAR SUSPENSION HEIGHT
YYXA1X	REAR SUSP TRANSVERSE TORQUE RODS, ALL DRIVE AXLES	TRANSVERSE TORQUE RODS, R SUSP
Y1XF1X	AIR SPRING, REAR	REAR SPRING TYPE
YLB1X	REAR SUSPENSION SYSTEM, AIR	REAR SPRING SYSTEM
YVXA1X	WITH SHOCK ABSORBER ,REAR	REAR SHOCK ABSORBER
ZAXA1X	ELECTRICAL REGULATION LEVELING DEVICE	SUSPENSION LEVELLING DEVICE
ZMXA1X	ESP BASIC PACKAGE	ESP PACKAGE

REAR AXLE EQUIPMENT: 70 Items

PUSHER/TAG AXLE EQUIPMENT

Code	Description	Family
UPFX1X	TRAILING BRAKES WITHOUT DUST SHIELDS	TRAIL AXLE BRAKE DUST SHIELD

PUSHER/TAG AXLE EQUIPMENT: 1 Items

FRAME EQUIPMENT/FUEL TANKS

Code	Description	Family
12AC1X	FUEL LINE OPTION, DUAL DRAW	FUEL LINE OPTIONS
14AA1X	FUEL FILL SYSTEM, BASIC	FUEL FILL SYSTEM
2210001	POLISHED ALUMINUM	FUEL TANKS - BRIGHT FINISH
2230001	BRIGHT FINISH STEPS & BRIGHT FINISH STRAPS	STEPS (BRIGHT) - FUEL TANK
2430007	TWO CLEVIS TOWING DEVICE, FRONT	TOWING DEVICE - FRONT
2710207	207"	WHEELBASE
2741024	STEEL - 266MM X 90MM X 8MM -- (10.47" X 3.54" X .31")	FRAME RAILS
2791300	FLUSH-STAINLESS CLAD ALUMINUM	BUMPER - FRONT
2811000	STEEL	CROSSMEMBERS
2863000	FURNISH TAPERED & FLANGED FRAME RAIL ENDS(28DEG) FOR USE W/B	TAPERED FRAME RAIL ENDS
2882117	117 GAL ALUM (442 LITERS) 26IN (660MM)	FUEL TANK - LH
2902093	93 GAL ALU (350 LITERS) 26IN (660MM)	FUEL TANK - RH
2940007	ELECTRONIC SENDING UNIT MTD ON LH TANK	GAUGE - FUEL LEVEL
2HX1X	BASIC MUDFLAP, FRONT AXLE	MUDFLAP, FRONT AXLE
2RAA1X	BASIC FUEL LEVEL SENDER MOUNTED ON LH TANK	FUEL LEVEL SENDER UNIT
3740056	56"	AF (OVERHANG)
3800007	BASIC SOLUTION TRUNNION BRACKET, STD HEIGHT	TRUNNION BRACKET
4DXP1X	BUMPER SS CLAD ALUM, ROUND SWEPT-BACK/U-CHANNEL FLUSH	FRONT BUMPER
4EXF1X	TWO CLEVIS TOWING DEVICE, FRONT	TOWING DEVICE, FRONT
4YAAAX	FRAME FASTENERS-HUCK BOLTS	FRAME FASTENINGS
4ZAAAX	CROSSMEMBER, BOGIE, BASIC TYPE	CROSSMEMBER, BOGIE TYPE
67XG1X	1STIFF (ANTI-SAIL) MUD FLAP, REAR AXLE	MUDFLAP TYPE, REAR AXLE
69XC3X	MUDFLAP HANGER, BETTS SHAPED ANGLE INTERNAL SPRING POLISHED	MUDFLAP HANGERS, REAR AXLE
6DAABX	CAB FOOTSTEP MATERIAL/FINISH, POLISHED ALUMINUM	CAB FOOTSTEP MATERIAL/FINISH
6LBB1X	FUEL TANK VENTILATION, BASIC	FTVE-BAS
7XB1X	FUEL TANK DRAINAGE, BASIC	FUEL TANK DRAINAGE
8EXB1X	STEEL INTERMEDIATE CROSSMEMBER	INTERMEDIATE X-MEMBER MATRL
A0XH2X	FRONT FRAME LENGTH 745MM	FRONT FRAME LENGTH
F3XRTX	XM = 6990 MM, REAR AXLE POS.	REAR AXLE POSITION
FBXA1X	DIESEL	FUEL TYPE, LIQUID
J8XGKX	445 LITRE, LEFT SIDE FUEL TANK	FUEL TANK, LEFT HAND SIDE
J9XELX	350 LITRE (93 US GAL), RIGHT SIDE FUEL TANK	FUEL TANK, RIGHT HAND SIDE
JHXA1X	FUEL HOSES, BASIC	FUEL HOSES
K8XB1X	DIAM. 660 MM (26 INCH), FUEL TANK	FUEL TANK SHAPE
KDXB1X	FUEL TANK MOUNTING, DUAL MOUNTED FUEL TANK (LFUEL AND RFUEL	FUEL TANK MOUNTING
KEXA1X	ALUMINUM FUEL TANK	FUEL TANK MATERIAL
KFXA1X	NON-LOCKABLE FUEL TANK CAP	FUEL TANK CAP
KHXB1X	STAINLESS STEEL FUEL TANK STRAPS	FUEL TANK STRAPS MTRL
MAM0001	30" to 82"	AFTERFRAME RANGE
OAXC1X	BOC AND INTERM X-MBR'S C CHANNEL, RVETED	X-MBR CONFIG AND POSITION
Q2AA1X	CAB STEP, BASIC	CAB STEP VERSION
Q5AC4X	REAR X-MBR TAPERED/COVERED FLANGE FRAME END, FOR TAILLAMPS	REAR CROSSMEMBER OPTIONS
Q8XB1X	ACKERMAN SETTING 2 W8(4827-5842 MM)(191-230 US INCHES)	ACKERMAN SETTING
R0AA1X	FUEL TANK POLISHED	FUEL TANK FINISH
U7CA1X	LH FUEL TANK FRONT FACE LOCATION @ X-MAIN4065, TANK REARWARD	LH FUEL TANK FACE LOCATION
U8CFMX	RH FUEL TANK FRONT FACE LOCATION @ X-MAIN5018, TANK REARWARD	RH FUEL TANK FACE LOCATION
X0XA1X	FRAME FLANGE WIDTH 90MM	FRAME FLANGE WIDTH
X6XC8X	TAPERED CUT TREAT 28 DEGREES, REAR FRAME, W/BUILT IN TAILLAMPS	REAR FRAME TREATMENT
X8XB1X	STEEL FORWARD REAR SUSP. CROSSMEMBER	FORW REAR SUSP. X-MEMBER MTRL
YAXD1X	8 MM THICK FRAME	FRAME SECTION
YBXFAX	FRAME RAIL EXTERNAL HEIGHT (266MM)	FRAME RAIL SECTION-HEIGHT
YDXSWX	REAR FRAME LENGTH, 2095 MM	REAR FRAME LENGTH
ZIXA1X	CROSSMEMBER, BOGIE, STEEL	CROSSMEMBER, BOGIE, MATERIAL

FRAME EQUIPMENT/FUEL TANKS: 53 Items

AIR/BRAKE

Code	Description	Family
1JAA8X	PARK BR VALVE, 1 YELLOW KNOB, ALL PARK & 1 RED, TRAILER PARK	PARKING BRAKE VALVE
8HAA1X	AIRTANK ARRANGEMENT, BASIC	AIRTANK ARRANGEMENT
KOXA1X	AIR DRYER POSITION STANDARD	AIR DRYER POSITION



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U2XA2X	ALUMINUM AIRTANK, POLISHED	AIRTANK MATERIAL
UWXE1X	AUTO DRAIN VLV, HEATED, LANYARDS ON BRAKE SYS TANKS	AIRTANK DRAIN VALVE
VHXEDX	WABCO AIR DR, 1200UP W/ T CUT OFF VALVE, W COALESC OIL FILTE	AIR DRYER - MANUFACTURER

AIR/BRAKE: 6 Items

ELECTRICAL

Code	Description	Family
3120010	TRUCKLITE CHROME BULLET LED TYPE (SET OF 5) N/A W/ ROOF FA	IDENTIFICATION/CLEARANCE LIGHTS
3UAC1X	ROOF LAMP, BULLET, TRUCKLITE	ROOF LAMP STYLE & MFG.
3VAB1X	ROOF LIGHT BULB, LED	ROOF LIGHT BULB
5RXA7X	BACK UP ALARM, 107D8, POLLAK (CONSTANT SOUND)	BACK-UP ALARM
9FCB1X	FOG LAMP TECHNOLOGY LED	FOG LAMP TECHNOLOGY
LBXR1X	ELECTRICAL SYSTEM BRIDGE PLAN (65+65PINS)	
LSXH1X	DRL WHEN ENG RUNNING, PARK BRAKE OFF	LOW BEAM
LVX40X	SYMMETRIC HEAD LAMP	HEADLAMP ASYMMETRIC
NEXK2X	TAIL LAMP & STOP LED, BACK UP & LICENSE PLATE LAMPS STD	TAIL LAMPS
NGXB1X	WHITE FOG LAMP	AUX. FOG LAMP
Q8CH1X	CHASSIS WIRING HARNESS CASING, HEAVY DUTY	CHASSIS WIRING HARNESS CASING

ELECTRICAL: 12 Items

TRAILER CONNECTIONS

Code	Description	Family
0089028	LOW PROFILE DECK PLATE	TRAILER ACCESS PACKAGE
2UAA1X	TRAILER ELECTRICAL CABLE CONFIG, STRAIGHT, SHORT(3650MM OR 12')	TRAILER ELECTRICAL CABLE CONFIG
3010001	TRAILER BRKS	HAND CONTROL VALVE
3210010	SINGLE 7 PINS SAE HOT CENTER PIN, DASH MTD SWITCH/BATT FEED.	TRAILER RECEPTACLE
3229022	SINGLE TRUCKLITE SUPER-44 LED, RECESSED LHS BOC W/RUBBER GRO	TRAILER HOOK-UP LIGHT
3301317	FIXED - HOLLAND FW35 SERIES, LH RELEASE W/NO-TILT OPTION(7.	FIFTH WHEEL
35AA1X	TRAILER CONNECTORS HOLDER, 2 AIR, 1 ELECTRIC	TRAILER CONNECTORS HOLDER
4HAB1X	EL RECEPT, SAE HOT CENTER PIN (DASH MTD SW BATT FEED)	ELECTRICAL RECEPTACLE TYPE
45AA1X	FIFTH WHEEL ANGLE MOUNTED CONCEPT (STATIONARY)	FIFTH WHEEL TRAVEL CONCEPT
5170001	TRAILER AIR BRAKE CONNECTIONS, BOC	TRAILER CONNECTIONS
51XD1X	TRLR BRK HOSEHANGER, POGO STICK	TRAILER BRAKE HOSEHANGER
53XBAX	TRAILER BRAKE CONNECTION	TRAILER BRAKE CONNECTION
54XZ2X	7-POL ELECTRICAL TRAILER CONNECTOR (24N)	TRAILER ELECTR. CONNECTORS
5ZXC1X	TRAILER BRAKE HOSE STRAIGHT (3650MM)	TRAILER BRAKE HOSES & CABLES
6BX5XX	(25") 660MM BEHIND THE REAR AXLE	FIFTH WHEEL POSITION
6DX11X	FIFTH WHL ANG MTG FOR STAT 5TH WHL W/EVEN 2" SPACING	FIFTH WHEEL MOUNTING
6EXCMX	224MM (8.81"), FIFTH WHEEL LEG-HEIGHT (SELECTED BY KAX)	FIFTH WHEEL LEG-HEIGHT
6GXM1X	HOLLAND FIFTH WHEEL 35 NO TILT	FIFTH WHEEL TYPE
6TXF1X	LH STRAIGHT FIFTH WHEEL RELEASE	FIFTH WHEEL RELEASE
7KBA1X	TRAILER EL RECEPTACLE LOCATION, BACK OF CAB	TRAILER EL RECEPTACLE LOCATION
7KXA3X	REAR DECK, LOW PROFILE(US=20")	REAR DECK
81AB1X	WORKING LAMP TECHNOLOGY, LED	WORKING LAMP TECHNOLOGY
90AABX	5TH WHEEL ANGLE, 10MM THICKNESS	5TH WHEEL ANGLE THICKNESS
E5BAEX	1245MM (49") GROUND TO 5TH WHEEL TOP HEIGHT	GROUND TO 5TH WHEEL TOP HGT.
LXA1X	STEEL FIFTH WHEEL ANGLES	FIFTH WHEEL ANGLE MATERIAL
NSX0X	WORKING LAMP CAB BACK 1 LAMP, WHITE LEFT RECES, LOW, TRUCKLITE	WORKING LAMP
WGX1X	1 VALVE, TRAILER BRAKE	TRAILER BRAKE VALVE
WHXQ1X	TRAILER BRAKE CONNECTIONS POSITION, BACK OF CAB	TRAILER CONNECTION POSITION

TRAILER CONNECTIONS: 28 Items

PTO

Code	Description	Family
1890011	REAR PTO TRANS, DIN-CONN,PUMP MEDIUM SPEED (PTR-DM)	PTO - REAR MOUNTED
5XXA1X	SINGLE PTO TRANSMISSION	PTO TRANSMISSION MOUNTED ADM.
D4AA1X	TRANSMISSION PTO FUNCTIONS BASIC	AMT/AUTOMATIC TRANS PTO FUNCT.
T4XDMX	REAR PTO TRANS, DIN-CONN,PUMP,MEDIUM SPEED	PTO TRANSM. MOUNTED

PTO: 4 Items

SPECIALTY EQUIPMENT

Code	Description	Family
0150000	NO FRAME MODIFICATIONS PROVIDED	FRAME MODIFICATION
8FXU1X	UNIFORM LOAD NO ADAPTATION	TRANSPORT ADAPTATION

SPECIALTY EQUIPMENT: 2 Items

CAB

Code	Description	Family
0KAA1X	FLOOR COVER, CENTER, POLYURETHANE	FLOOR COVER, CENTER MATERIAL
1791002	BLEND AIR HVAC W/ATC TEMP REGULATION	AIR CONDITIONING/HEATER
1840008	POLYURETHANE FLOOR MAT W/POLYURETHANE INSERTS, DRIVER & RIDE	FLOOR COVERING
1980001	U.S. UNITS (PREDOMINANT)	GAUGES - METRIC
1XAA1X	FIRE EXTINGUISHER LOCATION, DRIVER SEAT	FIRE EXTINGUISHER LOCATION
1ZAB1X	DOOR STORAGE COMPARTMENT, BOTH SIDES	DOOR STORAGE COMPARTMENT
2060001	EXHAUST PYROMETER GAUGE	GAUGE - EXHAUST PYROMETER
2140001	TRANSMISSION OIL TEMP GAUGE	GAUGE-TRANS.OIL TEMP.
2150001	REAR AXLE GAUGE(S)	GAUGE - REAR AXLE OIL TEMPERATURE
2170003	MANIFOLD PRESSURE GAUGE - ELECTRICAL	GAUGE - MANIFOLD PRESSURE
31XB1X	FLOOR MAT, POLYURETHANE, BOTH SIDES	FLOOR MATS



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40XAKX	HAND FIRE EXTINGUISHER 1.1 KG (2.5LB) ENGLISH DECAL	FIRE EXTINGUISHER
4AXC1X	ELECTRONIC CONTROLLED CLIMATE CONTROL AIR CONDITION	CLIMATE UNIT
7860005	2.5LB (ABC RATED/AMEREX) BETWEEN DRIVER SEAT& DOOR; VALVE AIM	FIRE EXTINGUISHER
B4BAAX	GAUGES GRADUATION (EXCL. SPDM), USA UNITS	GAUGES GRADUATION (EXCL. SPDM)
CCXG1X	2ND GA PKG W/BOOST PRESS, TRANS OIL TEMP, PYRO, APP AIR PRESS	SECONDARY GAUGE PACKAGE
D9AAAX	EXHAUST PYROMETER GAUGE	GAUGE EXHAUST PYROMETER
E0AAAX	TRANSMISSION OIL TEMP GAUGE	GAUGE TRANSM. OIL TEMP
E1AAAX	REAR AXLE OIL TEMP GAUGE	GAUGE OIL TEMP-REAR AXLE
E2AAAX	MANIFOLD PRESSURE GAUGE-ELECTRICAL	GAUGE MANIFOLD PRESSURE
10XAHX	DOME LAMP, INTERIOR, 2 EACH SIDE, SWITCHES INCLUDED	DOME LAMP, INTERIOR
12AAAX	BRAKE PRESSURE APPLICATION GAUGE, ELECTRONIC	SERVICE TRAILER BRAKE PRESSURE
M3AA1X	REAR AIR SUSPENSION GAUGE	GAUGE, REAR AIR SUSP PRESSURE
NGXA2X	STANDARD GAUGE PACKAGES	GAUGE PACKAGES
N8XD1X	MILES/HOUR, KILOMETER/HOUR SPEEDOM. GRADUATION	SPEEDOM. GRADUATION
X6CB1X	FIRE-EXTINGUISHER MANUFACTURE, AMEREX	FIRE EXTINGUISHER MANUFACTURE
0CAH1X	EMERGENCY KIT LOCATION MTD PARALLEL & CENTERED AGAINST B.O.C	EMERGENCY KIT LOCATION
0MAA1X	HEADLINER, VINYL	HEADLINER MATERIAL
13AA1X	DOOR OPENING OPTION, MANUAL	DOOR OPENING OPTIONS
1600001	ALL CHASSIS KEYED AT RANDOM - 2 KEYS	KEYED ALIKE CHASSIS
174G101	PREMIUM STEREO, AM/FM, CD-PLAYER, MP3, WEATHER BAND, BLUETOOTH	RADIO/RADIO ACCOMODATION
1WAB1X	POWER LEAD, SWAY TYPE, HEADLINER MTD	POWER LEADS
20XA1X	ALL CHASSIS KEYED AT RANDOM	KEY TYPES FOR DOORS
21XA1X	WITH AUX. REAR WINDOW - FIXED	AUXILIARY REAR WINDOW
3XC81X	INTERIOR ILLUMINATION TYPE, LED	INTERIOR ILLUMINATION TYPE
4VX31X	THREE WARNING TRIANGLES	SAFETY EQUIPMENT
5BX85X	MIRROR MTD ANTENNA CB, LEFT, 48" LENGTH	ANTENNA, CB RADIO
5CXB2X	SPEAKER LOCATION, IN DOORS, MIDDLE HIGH SIDE PANEL	SPEAKER LOCATION
5EAA1X	AUDIO INTEGRATED HANDSFREE PHONE, BLUETOOTH	AUDIO INTEGRAT. PHONE HANDSFRE
5FAA1X	AUDIO COMMUNICATION CONNECTOR, USB AUDIO	AUDIO COMMUNICATION CONNECTOR
5GA11X	AUX.LINE IN CONNECTOR IN AUDIO	AUX AUDIO CONNECTOR
5JXALX	CB MOUNTING, OVERHEAD COMP, VELCRO STRAP	COM.RADIO PREP KIT (CB)
73AJ1X	ANTENNA, RADIO, MIRROR MTD, RIGHT, 48" LENGTH	ANTENNA, RADIO
7840005	EMERGENCY REFLECTOR KIT MTD PARALLEL & CENTERED AGAINST BO	REFLECTOR KIT
9HAA8X	AUDIO WAVEBANDS FM 87.75+87.9-107.9 MHZ, AM 530-1710 KHZ	AUDIO WAVEBANDS
CS20007	DEFAULT: English, Spanish, French, OPTION: None	INSTMNT CLUSTER LANGAGE
CBXAGX	DRIVER INFO DISPLAY STANDARD	
DBXA1X	BASIC DASH-BOARD	DASHBOARD
E3XD1X	FRWRD OVRHD STG. 2 STG COMPMT W/NET, 1 RADIO SHLF CNTR	FORWARD OVERHEAD STORAGE
F8XC8X	RADIO, AM/FM, CD-PLAYER, MP3, WEATHER BAND	AUDIO SYSTEM
JFXB1X	REAR WALL STORAGE COMPARTMENT, FIXED	REAR WALL STORAGE COMPARTMENT
N1XB5X	DASH, DUAL OUTLET- 12V	ELECTRICAL DASH OUTLET
0042110	PREMIUM PACKAGE, STEEL GRAY (Package 12A)	INTERIOR TRIM LEVELS
1450001	TINTED WINDSHIELD, SIDE WINDOWS, & REAR WINDOW	GLASS - CAB WINDOW
1480011	TWO SPEED ELECTRIC MOTOR W/INTERMITTENT FEATURE	WINDSHIELD WIPERS
1610021	2 SPOKE LEATHER GRIP, SATIN ALUMINUM SPOKES, WITH SWITCHES	STEERING WHEEL
1963140	AIR-SEARS, HIGH BACK, 4 CHMBR AIR LUMBAR, BOLSTER, EXTENSION	SEAT - DRIVER
1973000	FIXED-SEARS, HIGH BACK	SEAT - RIDER
1DAF2X	SEAT MFG & SERIES, DRIVER, SEARS GENERIC	SEAT MFG. AND SERIES, DRIVER
1EAJ1X	DRIVER SEAT UPHOLSTERY COLOR, GREY	DRIVER SEAT UPHOLSTERY COLOR
1GAF2X	SEAT MFG & SERIES, PASSENGER, SEARS GENERIC	SEAT MFG. & SERIES, PASSENGER
1HAJ1X	PASSENGER SEAT UPHOLSTERY COLOR, GREY	PASSNGR SEAT UPHOLSTRY COLOR
2QA11X	IGNITION TYPE, KEY	IGNITION TYPE
2WXA9X	DIAMETER 460 MM STEERING WHEEL	STEERING WHEEL
2XX35X	ELECTRICAL WINDOW LIFT, BOTH DOORS	WINDOW LIFT
22X25X	TINTED WINDOW GLASS	GLASS COLOUR
34XB1X	FIXED PASSENGER SEAT	PASS SEAT SUPPORT
3AXA1X	CENTRAL DOOR LOCKING	DOOR LOCK CAB
3PXA1X	SEAT ARMREST SINGLE, DRIV(DRIVER SEAT ONLY)	SEAT ARMREST
3ZXG2X	DRIVERS SEAT, AIR SUSPENDED	DRIVER SEAT SUPPORT
4PXA4X	3 POINTS, BOTH SEATS, WITH HEIGHT ADJ	SEAT BELT
5920005	LAP & SHOULDER (BOTH SEATS) CAB MTD SHOULDER BELT ADJUSTMT	SEAT BELTS/RETRACTORS
78AA6X	STEERING WHEEL MATERIAL, LEATHER	STEERING WHEEL MATERIAL
ASXA8X	TINTED GLASS, LOW (LEVEL OF TINTING)	REAR WINDOW FEATURES
D2XA1X	WIPER BLADE, BASIC	WIPER BLADE STYLE
14CMAAX	INTERIOR TRIM PACKAGE 12, MID LEVEL, GREY	INTERIOR TRIM PACKAGE
15DA1X	STANDARD WIDTH, HIGH BACK, WITHOUT BELT IN SEAT	SEAT PROFILE, DRIVER
16DA1X	STANDARD WIDTH, HIGH BACK, WITHOUT BELT IN SEAT	SEAT PROFILE, PASSENGER
17DD6X	DR SEAT COMF, 4 LUMB CHAM AIR ADJ, BOLSTER, EXTENSION	SEAT COMFORT, DRIVER
JQXAAX	WASHER RESERVOIR BASIC POSITION	WASHER RESERVOIR POSITION
LYXF1X	WITH STEERING WHEEL SWITCHES	STEERING WHEEL SWITCHES
N1XA1X	WIPER SWITCH 4 POSITION (GENERIC 2 SPEED PLUS INTERMITTENT F	WIPER SWITCH
NPXB1X	SELF CANCELLING TURN SIGNAL	TURN SIGNALS
O1XA1X	SEAT BELT DRIVER SEAT BLAC	SAFETY BELT DRIVER SEAT
OXXA1X	SAFETY BELT PASSENGER SEAT BLAC	SAFETY BELT PASSENGER SEAT



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U3CK1X	DRIVERS SEAT UPHOLSTERY VINYL SIDES, CLOTH CUSHIONS	DRIVERS SEAT UPHOLSTERY
U4CA1X	PASSENGERS SEAT UPHOLSTERY, VINYL	PASSENGERS SEAT UPHOLSTERY
U7XB1X	INTERNAL SUNVISOR FRONT, BASIC (NO MIRROR), BOTH SIDES	SUNVISOR INTERIOR, FRONT
VPXA1X	TINTED GLASS, ALL DOORS - GREEN	GLASS COLOUR DOORS
WSXBAX	SPLITTED WINDSCREEN	WINDSCREEN TYPE
XRXB1X	ADJUSTABLE STEERING WHEEL, 2 MOTIONS	STEERING WHEEL ADJUSTMENT

CAB: 91 Items

CAB - SLEEPER BOX

Code	Description	Family
0160000	Day Cab (No Sleeper)	SLEEPER BOX
1443000	CONVENTIONAL CAB, DAYCAB	CAB

CAB - SLEEPER BOX: 2 Items

CAB EXTERIOR

Code	Description	Family
0EAC1X	AIR INTAKE GRILLE, BLACK	AIR INTAKE GRILLE, FINISH
0JAA1X	CAB GRAB HANDLES, OUTER AND INNER, BASIC	CAB GRAB HANDLE
1529045	BULLDOG STYLIZED MIRRORS LH HEAT & RH HEATED, MOTORIZED AND IL	MIRRORS - EXTERIOR
1540002	MACK-Z-RECT ALUM SINGLE TRUMPET, W/ SHIELDS, ROOF MOUNTED	HORN - AIR
1579001	STAINLESS STEEL	SUN VISOR - EXTERIOR
15H2003	8" ROUND BF FENDER MTD W/SS BRACKETS & ADJ. ARMS R.H. & L.H.	MIRRORS - CONVEX TYPE HOOD & FENDER
16AABX	HOOD MIRROR LOCATION BOTH SIDES	HOOD MIRROR LOCATION
17AAAX	HOOD MIRROR SHAPE ROUND	HOOD MIRROR SHAPE
18AAAX	HOOD MIRROR FORM, US STD. CONVEX	HOOD MIRROR FORM
28XH4X	BRIGHT GRILLE (CHROME PLATED), CENTER BOLD BRAND NAME	
2DX90X	REAR CAB SUSPENSION, AIR	CAB SUSPENSION REAR
2KXA1X	BASIC FRONT WHEEL OPENING	FRONT WHEEL OPENING
3400001	FIBERGLASS - AXLE FORWARD STYLE	HOOD AND FENDERS
3GXCLX	HEATED, EL OPERATED EXT. MIRRORS, BOTH SIDES	EXTERIOR MIRROR FEATURES
3HXB1X	WIDE-ANGLE MIRROR, BOTH SIDES	AUXILIARY MIRROR, WIDE-ANGLE
45AA1X	EXT. MIRROR HOUSING SHAPE, AERO WITH EMBLEM	EXTERIOR MIRROR HOUSING SHAPE
47AD1X	MAIN MIRROR HOUSING CHROMED FINISH	MAIN MIRROR HOUSING FINISH
48AA1X	MAIN MIRROR MARKING LAMP, AMBER	MAIN MIRROR MARKING LAMP
4NXFLX	EXTERIOR SUNVISOR	SUNVISOR, EXTERIOR
4UAB1X	HOOD LATCH FINISH, BRIGHT	HOOD LATCH FINISH
5870108	PREMIUM BL EXTERIOR CAB GRAB HANDLE, BL GRAB HANDLE RH INTER	
65AB1X	AIR HORN, FINISH, ALUMINUM	AUX. AIR HORN FINISH
6IAAGX	CAB GRAB HANDLES, BLACK FINISH, PREMIUM	
7RAABX	EXTERIOR SUNVISOR FINISH-BRIGHT	EXTERIOR SUNVISOR FINISH
88AA1X	EMBLEMS OPTION, COMPLETE	EMBLEMS OPTION
89AA1X	ENGINE COMPARTMENT INSULATION, HOOD	HOOD INSULATION, CLIMATE
LXXC1X	1 SINGLE ELECTRIC HORN SINGLE TONE	HORN, ELECTRICAL
LZJ1X	AIR HORN, ROOF MOUNTED, 2 SINGLES, WITH PROTECTIVE SHIELD	AUX. HORN
QXAXDX	AUX. WIN. DOOR ON RIGHT SIDE NON STG WHL POS. DEPEND	DOOR WINDOW FRONT

CAB EXTERIOR: 29 Items

WHEELS & TIRES

Code	Description	Family
01XC1X	DIAM 22.5 INCH, FRONT WHEEL & TIRE	WHEEL & TIRE DIAMETER FRONT
02XC1X	DIAM 22.5 INCH, DRIVE WHEEL & TIRE	WHEEL & TIRE DIAMETER DRIVE
04XC1X	WHEEL BRAND FRONT, ALCOA	WHEEL BRAND, FRONT
05XC1X	WHEEL BRAND DRIVE, ALCOA	WHEEL BRAND, DRIVE
0AXB1X	DISC WHEEL PCD 286 MM HUB PILOT	WHEEL TYPE FRONT
08XB1X	DISC WHEEL PCD 286 MM HUB PILOT	WHEEL TYPE DRIVE
0DXA5X	DRIVE WHEEL, SAME MATERIAL & FINISH	DRIVE WHEEL MATERIAL SAME/MIXED
0GXB1X	ALUMINUM WHEEL, FRONT	WHEEL MATERIAL FRONT
0HXB1X	ALUMINUM WHEEL, DRIVE	WHEEL MATERIAL DRIVE
0PXE1X	WHEEL WIDTH 8.25 INCH	WHEEL DIMENSION FRONT
0RXE1X	WHEEL WIDTH 8.25 INCH	WHEEL DIMENSION DRIVE
15XABX	TIRE INFLATION VALVE, STANDARD	TIRE INFLATION VALVE
1JX2RX	TIRE 11.00, FRONT AXLE	TIRE DIMENSION FRONT
1KXG1X	LOAD RANGE G, FRONT TIRE	TIRE LOAD CAPACITY, FRONT
1NX2RX	TIRE 11.00, DRIVE AXLE	TIRE DIMENSION DRIVE
1RXG1X	LOAD RANGE G, DRIVE TIRE	TIRE LOAD CAPACITY, DRIVE
1TXD1X	MICHELIN, FRONT TIRE	TIRE MAKE FRONT
1UXD1X	MICHELIN, DRIVE TIRE	TIRE MAKE DRIVE
2350001	POLISHED ALUMINUM, CONCAVE SIDE, ALL WHEELS	WHEELS - POLISHED (REAR)
2503000	ALUMINUM (DISC) FRONT WHEEL MATERIAL	FRONT WHEEL TYPE
2673000	ALUMINUM (DISC) DRIVE WHEEL MATERIAL	REAR WHEEL TYPE
3463781	22.5 X 8.25 ALUM DISC ULTRA ONE 10-HP; 11.25" BC, 6.60" OUTSET A	WHEELS - REAR
3PBA1X	WHEEL NUT BASIC FINISH, REAR	WHEEL NUT FINISH, REAR
44AA1X	WHEEL FINISHING REAR, POLISHED	WHEEL FINISHING, REAR
49AA1X	WHEEL FINISHING FRONT, POLISHED	WHEEL FINISHING, FRONT
4OAB9X	BASIC, 10 HAND HOLES WHEEL STYLE, FRONT	WHEEL STYLE, FRONT
4QAD7X	WHEEL RIM OFFSET, FRONT 6.60 INCHES	WHEEL RIM OFFSET, FRONT
4WCC1X	GHG STEER TIRE CATEGORY, LOW ROLLING RESISTANCE	GHG STEER TIRE CATEGORY



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4XCC1X	GHG DRIVE TIRE CATEGORY, LOW ROLLING RESISTANCE	GHG DRIVE TIRE CATEGORY
4YCA1X	GHG AUXILIARY TIRE CATEGORY, ADVANCED LOW ROLLING RESISTANCE	GHG AUXILIARY TIRE CATEGORY
5313781	22.5 X 8.25 ALUM DISC ULTRA ONE 10-HP; 11.25" BC, 5.85"INSET	WHEELS - FRONT
56AD1X	3355 KG (7,400 LB) WHEEL LOAD MAX DRIVE PER WHEEL	WHEEL LOAD MAX DRIVE PER WHEEL
57AD1X	WHEEL RIM OFFSET, DRIVE 6.60 INCHES	WHEEL RIM OFFSET DRIVE
58AD1X	BASIC, 10 HAND HOLES WHEEL STYLE DRIVE	WHEEL STYLE, DRIVE
60AD1X	3355KG (7400LB) WHEEL LOAD MAX, FRONT PER WHEEL	WHEEL LOAD MAX, FRONT
7ECF2X	INSIDE WHEEL TURNING ANGLE, 47 DEGREES	INSIDE WHEEL TURNING ANGLE
7MXDLX	499.0 REAR TIRE REVS PER MILE	REAR TIRE REVS PER MILE
80AA1X	WHEEL NUT & FINISH BASIC, FRONT	WHEEL NUT FINISH, FRONT
9006416	11R22.5 G MICHELIN X LINE ENERGY Z	TIRES BRAND/TYPE - FRONT
9016394	11R22.5 G MICHELIN X MULTI ENERGY D (DRIVE ONLY)	TIRES BRAND/TYPE - REAR
H1EB1X	DRIVE WHEEL STUDS, LONG	
H8CB1X	TIRE SPEED LIMIT BASIC	TIRE SPEED LIMIT REDUCED
N6BEFX	X LINE ENERGY Z, FRONT TIRE TREAD, MICHELIN, LONG HAUL	FRONT TIRE TREAD
N78EOX	X MULTI ENERGY D, DRIVE TIRE TREAD, MICHELIN, REGIONAL HAUL	DRIVE TIRE TREAD

WHEELS & TIRES: 44 Items

COMMUNICATION SYSTEMS

Code	Description	Family
2JCA1X	REMOTE DIAGNOSTIC SERVICES, ENABLED	REMOTE DIAG SERVICES
3FCZ1X	COMM SYS NOTIFICATION, DISABLE - MESSAGE RECEIVED FUNCTION	COMMUNICATION SYS NOTIFICATION
3YAA1X	DISPLAY FEATURES, LIMITED, NO DRIVER ACCESS LEVEL 1	DISPLAY FTRS ACCESS, LMTD DRVR
5JBESX	GATEWAY WITH 4G/LTE AND WLAN	TELEMATICS COMMUNICAT GATEWAYS
K4CDAX	VEHICLE UPTIME ENABLED AUTOM. SERVICE ACTIVATION SETTING1	VEHICLE UPTIME SETTINGS
M300004	GUARDDOG CONNECT WITH 4G/LTE AND WLAN SYSTEM WITH DIAGNOSTIC	TELEMATIC GATEWAY
USCD1X	REMOTE SOFTWARE UPGRADE ENABLED	REMOTE SW UPGRADE SERVICES
V4CD1X	SIMCARD FOR NORTH AMERICA	TELE COMMUNICATION SUBSCRIPT.

COMMUNICATION SYSTEMS: 8 Items

ENGINE ELECTRONICS

Code	Description	Family
A3AZ1X	ENGINE IDLE SHUTDOWN, DISABLE	IDLE SHUTDOWN
A4AAEX	5 MIN. WARM UP TIME DELAY	IDLE S/D WARM-UP TIMER
A8AA1X	98C DEG (100F), WARM UP TEMP DELAY	IDLE S/D IF WARM-UP TEMP
B0AAAX	ENG IDLE SHUTDOWN TIME OVERRIDDEN IF TORQUE > THAN LIMIT	IDLE SHUTDOWN IF POWER > LIMIT
B2AZ1X	ENGINE IDLE COOLDOWN, DISABLE	ENGINE IDLE COOLDOWN
B3ABAX	ELECTRONIC HAND THROTTLE, MAX ROAD SPEED, 16 KMH (10 MPH)	EL HD THROTTLE,MAX ROAD SPEED
B4ADAX	ELECTRONIC HAND THROTTLE, MIN ENGINE SPEED, 700 RPM	EL HAND THROTTLE,MIN ENG SPEED
B6ACEX	ELECTRONIC HAND THROTTLE, MAX ENGINE SPEED, 2100 RPM	EL HAND THROTTLE,MAX ENG SPEED
D2AAFX	AMBIENT TEMP MIN TRESHOLD, 16 DEG C, (60 DEG F)	AMBIENT TEMP MIN TRESHOLD
D3AAEX	AMBIENT TEMP MAX TRESHOLD, 27 DEG C, (80 DEG F)	AMBIENT TEMP MAX TRESHOLD
E0XGAX	IDLE SHUTDOWN TIME 10 MIN.	ENGINE IDLE SHUTDOWN TIME
K5XA2X	ENGINE PROTECTION (SHUTDOWN)	ENGINE PROTECTION SYSTEM
K7XH3X	IDLE CONTROL, 650 RPM	ENGINE IDLE CONTROL
M3CA1X	IDLE SHUTDOWN ABS TAMPER CHECK, ENABLED	IDLE S/D ABS TAMPER CHECK
M4CB1X	IDLE SHUTDOWN OVERRIDE UPTO 20% ENGINE LOAD THRESHOLD	IDLE S/D OVERRIDE %ENGINE LOAD
WMXA1X	COOLANT TEMP, ENGINE SHUTDOWN	COOLANT TEMP, ENGINE SHUTDOWN
WOXA1X	OIL PRESSURE, ENGINE SHUTDOWN	OIL PRESSURE, ENGINE SHUTDOWN
X0ABDX	INCREASE 10 MINUTE MAXIMUM TIME	IDLE BATTERY CHECK

ENGINE ELECTRONICS: 18 Items

TRANSMISSION ELECTRONICS

Code	Description	Family
6RAA1X	TRANS. PERF. MODE, ENABLED W/ AUTO RETURN TO ECONOMY MODE	TRANSMISSION PERFORMANCE MODE
6SAA1X	TRANS. KICK-DOWN MODE, ENABLED	TRANSMISSION KICK-DOWN MODE
7QXA1X	AMT MANUAL SHIFT IN AUTOMATIC MODE INCL KICK DOWN	AMT MANUAL SHIFT OPTIONS
A6BC1X	AMT VOCATIONAL OPTION BASIC	AMT VOCATION OPTION
B1EA1X	TRANSMISSION AUTO NEUTRAL ON P-BRAKE	
CNXNAX	TRANSM. SOFTWARE PACK. PREMIUM	TRANSMISSION SOFTWARE PACKAGE
M050017	MACK mDRIVE- NORMAL PERFORMANCE MODE- AUTO RETURN (premium)	TRANS SHIFT MODE POINTS
M080002	ECONO ROLL/DISABLE mDRIVE (REQUIRED FOR ALL OTHER TRANSMISSI	ECO ROLL
X9CZ1X	ENGINE SMART TORQUE FEATURE, DISABLED	ENGINE SMART TORQUE FEATURE

TRANSMISSION ELECTRONICS: 9 Items

VEHICLE ELECTRONICS

Code	Description	Family
8RXAEX	ENG TORQUE LIMITED TO 50%, IF SPEED SENSOR TAMPER DETECTED	ENG TORQUE LIMIT,SPEED SENSOR
A4BAAX	DETECTION OF SPEED SENSOR TAMPERING, ENABLE	DETECTION SPEED SENSR TMPRNG
E3AACX	MIN CRUISE, 32 KPH (20 MPH)	CRUISE CONTROL MIN SPEED
E4AAAX	CRUISE RESUME WITH CLUTCH	CRUISE RESUME WITH CLUTCH
E5AACX	ENG BRK ENGAGE IN CRUISE, 3 MPH ABOVE SET SPEED	ENG BRK ENGAGE IN CRUISE
G1AABX	ENGINE IDLE DELAY TO START LOG, 2 MIN	ENGINE IDLE DELAY TO LOG
G2AAGX	ENGINE OVERSPEED, FUELED, TIME LOG IF ABOVE 2100 RPM	ENGINE OVERSPEED,FUELED, LOG
G3AAPX	VEHICLE OVERSPEED, FUELED, TIME LOG IF ABOVE 70MPH (113KMH)	VEHICLE OVERSPEED, FUELED, LOG
G4AAUX	VEHICLE OVERSPEED,ALL COND, TIME LOG IF ABOVE 75MPH (121.KMH)	VEHICLE OVERSPEED,ALL COND,LOG
G5AAHX	ENGINE OVERSPEED, ALL CONDITIONS, TIME LOG IF ABOVE 2200 RPM	ENGINE OVERSPEED,ALL COND, LOG
JCX6X	105 KM/H ROAD SPEED LIMITER(65 MPH)	ROAD SPEED LIMITER SETTING



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JDXA1X	CRUISE CONTROL	CRUISE CONTROL
JFXLLX	MAX CRUISE, 105 KPH (65 MPH)	CRUISE CONTROL, MAX SPEED
L1CZ1X	DISABLE POWER DIVIDER LOCK OUT (PDLO) ROAD SPEED LIMIT	PDLO ENGAGE VLS FEATURE
L2CA1X	POWER DIVIDER LOCK OUT (PDLO) ROAD SPEED LIMIT 8KMH (5MPH)	PDLO ENGAGED VLS
R4BA1X	PRE-TRIP DIAGNOSTICS INSPECTION, BASIC	
R5CZ1X	VEHICLE ASSISTANCE SERVICE DISABLED	VEHICLE ASSISTANCE SERVICE
W5BJ2X	1950 MAXIMUM ENGINE SPEED AT 0 MPH	MAXIMUM ENG SPEED AT 0 MPH
W8BAAX	WITH SERVICE ALERT	SERVICE ALERT
W9A01X	PERIODIC TRIP LOG, DAY 1 OF THE MONTH	PERIODIC TRIP LOG DAY OF MONTH
X2BB1X	WITH RSL CONTROL TYPE NORMAL	ROAD SPEED LIMIT CONTROL TYPE
X3CB1X	DRIVER ID FUNCTION, DISABLED	DRIVER ID FUNCTION
X8XC1X	ENGINE HIGH IDLE SPEED IN UPPER GEARS, DISABLED	HIGH IDLE SPEED-UPR GR5 FEATUR
Y1CZ1X	ACCELERATION LIMITING FEATURE, DISABLED	VEHICLE ACCELERATION LIMITING
Y3CC5X	105 KM/H PEDAL ROAD SPEED LIMITER (65MPH)	PEDAL RSL SETTING

VEHICLE ELECTRONICS: 25 Items

PTO ELECTRONICS

Code	Description	Family
G0AZ1X	PTO 1ST, AUTO SET SINGLE SPEED, DISABLE	PTO 1ST,AUTO SET SINGLE SPEED
H4AZ1X	PTO 2ND, AUTO SET SINGLE SPEED, DISABLE	PTO 2ND,AUTO SET SINGLE SPEED
Y9CR1X	TRANSMISSION PTO1 SPLIT GEAR RANGE,(KEYPAD)REMOTE CONTROLLED	TRANS PTO1 SPLITTER RANGE
Z1CR1X	TRANSMISSION PTO2 SPLIT GEAR RANGE,(KEYPAD)REMOTE CONTROLLED	TRANS PTO2 SPLITTER RANGE

PTO ELECTRONICS: 4 Items

PAINT

Code	Description	Family
2PBHAX	1 TONE HOOD, 1 TONE DRIVER AREA, IF SLEEPER 1 TONE	CAB PAINT TYPE
5YBZ1X	HUB & DRUM PAINT PROCESS, CHASSIS COLOR	HUB & DRUM PAINT PROCESS
5ZBZ1X	BUMPER PAINT PROCESS, NOT PAINTED	BUMPER PAINT PROCESS
6ABZ1X	CHASSIS PAINT PROCESS, STANDARD COLOR (MACK BLACK)	CHASSIS PAINT PROCESS
6BBZ1X	WHEEL PAINT PROCESS, NO CUSTOM PAINTED	WHEEL PAINT PROCESS
7HBZ1X	FUEL TANK PAINT PROCESS, NOT PAINTED	FUEL TANK PAINT PROCESS
9220000	CHASSIS PAINT PROCESS, STANDARD COLOR (MACK BLACK) 6ABZ1X	PAINT PROCESS; CHASSIS
9240001	SOLID PAINT	PAINT TYPE- AREA A
9442008	MACK MED RED 00436PP 784033 PROD EFF 1/5/87	PAINT/VINYL STRIPING - CAB EXTERIOR
9512006	MACK BLACK 09000PP P3036 EFF: 6/21/96	PAINT - CHASSIS RUNNING GEAR
9930010	BLACK	CHASSIS COLOR FAMILY
9940007	RED	AREA A CAB COLOR FAMILY
9960002	POLY BASE - POLY CLEAR	PAINT - CAB PAINT SYSTEM
BG10006	BUG CODE: 6-CHASSIS RUNNING GEAR	BUG CODE CHASSIS
BG20005	BUG CODE 5-AREA A CAB	BUG CODE AREA A CAB
MP30001	ONE PAINT COLOR ONLY 1	TOTAL PAINT COLOR QTY

PAINT: 16 Items

CALCULATED CODES - KAX

Code	Description	Family
3HAA1X	DOT COMPLETE VEHICLE CERTIFICATION	VEHICLE CERTIFICATION
4CAAGX	NUMBER OF OPTIONAL SWITCHES, 7	NUMBER OF OPTIONAL SWITCHES
54Z0001	COMPLETE	VEHICLE CERTIFICATION
9JXA1X	YES, THE ORDER MUST BE CALCULATED	PROPCALC SELECTION
B4CA1X	SWITCH LAYOUT, BASIC	SWITCH LAYOUT
C4EDDX	ROUTING BRACKET POSITION 4A (LEFT FRAME), XM=5800	
D5EA1X	AUTOMATIC ROUTING & CLIPPING PLACEMENT, CENTER SECTION	
P7CC1X	AIRTANK CALCULATION STATUS, NOT RUN	AIRTANK CALCULATION STATUS
TCXC1X	PROP.SHAFT DIMENSION, LARGE, SINGLE JOINT	PROP.SHAFT DIMENSION (RESULT)
TDXN2X	FIRST PROP.SHAFT LENGTH 1175	PROP.SHAFT LENGTH, FIRST AXLE
TFXHCX	MAIN PROP.SHAFT LENGTH 700	PROP.SHAFT LENGTH, MAIN AXLE
TJXA2X	TWO PIECE PROP.SHAFTS	NUMBER OF PROP.SHAFTS
TNXCAX	PROP.SHAFT FIRST BRKT, POS 01	PROP.SHAFT FIRST BRKT VERTICAL
TSXB1X	PROP.SHAFT 1 BRKT POS., LEFT1	PROP.SHAFT 1 BRKT POS. HORIZON
X2JGX	CROSSMEMBER1 X=5300MM	CROSSMEMBER '1' LOCATION
XMXA1X	PROP.SHAFT BRACKET FIRST POSITION ANGLE BASIC (90 DEGREES)	PROP.SHAFT BRKT, FIRST, ANGLE
Y0XC1X	RIDE HEIGHT 196MM TO 205 MM CL AXLE TO LOWER FRAME FLANGE	FRONT RIDE HEIGHT AT FULL LOAD
Y1XC1X	RIDE HEIGHT 191-210 MM, CL AXLE TO LOWER FRAME FLANGE	REAR RIDE HEIGHT AT FULL LOAD

CALCULATED CODES - KAX: 18 Items

BASE WARRANTY & PURCHASED COVERAGES

Code	Description	Family
8960002	NORMAL DUTY WARRANTY CLASSIFICATION	VEHICLE WARRANTY TYPE
M410002	WARRANTY SMARTCODE ENGINE VE 13L	WARRANTY SMARTCODE ENGINE
M420002	WARRANTY SMARTCODE > 450 HP	WARRANTY SMARTCODE HP
M430002	WARRANTY SMARTCODE > 1760	WARRANTY SMARTCODE TORQUE
M501000	NORMAL DUTY STANDARD BASE COVERAGE 12/MONTHS/100,000 MILES (US & CANADA BASIC CHASSIS COVERAGE
M511001	MACK MP7/MP8 BASE ENGINE COVERAGE 24 MONTHS / 250,000 MILES	MACK MP7/MP8, & MP10 ENGINE WARRANTY COVERAGE
M521001	US and CANADA EQUIPPED VEHICLE EMISSION COMPONENTS COVERAGE	EMISSION COMPONENT COVERAGE
M541004	mDRIVE TRANSMISSION NORMAL DUTY COVERAGE, ENGINE TORQUE <= 1	TRANSMISSION WARRANTY
M551004	STANDARD VENDOR NORMAL / HEAVY DUTY COVERAGE 36 MONTHS/350,	CARRIER & AXLE HOUSING WARRANTY
M561000	AIR CONDITIONING STANDARD COVERAGE (Sealed System Only) 12	AIR CONDITIONING WARRANTY



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M571000
M581000

STANDARD NORMAL / HEAVY DUTY CHASSIS TOWING 90 DAYS OR 5,000
STANDARD MACK ENGINE TOWING COVERAGE 24 MONTHS/250,000 MILES

CHASSIS TOWING WARRANTY
ENGINE TOWING WARRANTY

BASE WARRANTY & PURCHASED COVERAGES: 12 Items

TOTALS: 662 Items

Report Date: 8/22/2019 7:40:14 PM

This Information is Confidential

ATTACHMENT D-4

VENDOR ESTIMATE FOR R + L TRANSFER



KEEPING CUSTOMERS FOR LIFE

December 10th, 2019

Mr. Rick Duken
R+L Carriers / R+L Transfer, Inc
14949 State Route 28 W
Alexandria, IN 46001

Dear Mr. Duken:

The Larson Group and Peterbilt of Cincinnati are pleased to provide you with the following proposal regarding your purchase of new Peterbilt Trucks in 2020. The information below is an outline of pricing by model:

Year Model: 2021

Model 579 Single Axle DCs:	\$112,970
Model 579 Tandem Axle DCs:	\$117,385
Model 579 80" Sleepers:	\$140,200
Model 337 Box Truck:	\$84,030
Model 348 Box Truck:	\$112,585

Pricing under this proposal is valid for units delivered in calendar year 2020. We appreciate the opportunity to provide this quote and look forward to expanding our relationship with R+L Carriers.

Respectfully,

Melissa Larson Jackson
Vice President



PETERBILT OF CINCINNATI | TLGTRUCKS.COM

2550 Annuity Dr. Phone: 800.347.3673
Cincinnati, OH 45241 Fax: 513.326.5658



The Larson Group

Buyers Order

Stock No. _____ Date 12/20/19 Salesman Melissa Larson Jackson
 Purchaser R+L Carriers / R+L Transfer, Inc. St. Address 14949 State Route 28 W
 City Alexandria State IN County Madison Zip 46001 Phone _____
 I hereby agree to purchase from you under the terms and conditions specified, the following: New Used
 Make Peterbilt Body _____ Model 579 Color Green Upholstery _____
 VIN Not Yet Assigned Ign. Key No. _____ R.D. Key No. _____ Mileage _____

USED VEHICLES ONLY

I hereby acknowledge that I am purchasing this used vehicle "AS IS" and "SHOWN", "WITH ALL FAULTS", and without warranties, either expressed or implied.

X

Order Commitment for 2020:					Pricing Based on Current Specifications			
4 – Model 579 Single Axle Day Cabs					579 Single Axles: \$112,970 each *4 units	451,880 00		
4 – Model 579 Tandem Axle Day Cabs					579 Tandem Axles: \$117,385 each *4 units	469,540 00		
*See Detailed Delivery Schedule								
Backlog orders may be cancelled at no charge upon receipt of written request to cancel outside of 60-day scheduling window.					R+L PO # 477501			
DESCRIPTION OF TRADE-IN:			MILEAGE		NET SELLING PRICE			
VIN			LIC. NO.		PDI FEE			
YEAR	MAKE	MODEL	COLOR	BODY	LESS TRADE-IN ALLOWANCE			
					NET TRADE DIFFERENCE			
					BALANCE OWED ON TRADE-IN*			
PURCHASER'S CERTIFICATION 1. I hereby certify that this order includes all of the terms and conditions on both the face and reverse side hereof, that this order cancels and supersedes any prior agreement and as of the date hereof comprises the complete and exclusive statement of the terms of the agreement relating to the subject matters covered hereby, and that THIS ORDER SHALL NOT BECOME BINDING UNTIL ACCEPTED BY DEALERSHIP MANAGEMENT; AND 2. UNLESS THE MANUFACTURER OR THE DEALER HAS ISSUED SPECIFIC WARRANTY ON THIS VEHICLE SEE THE DISCLAIMER OF WARRANTY ON THE BACK OF THIS CONTRACT. (SEE SECTIONS A3 AND B6 ON REVERSE) 3. I have reviewed this order and fully understand that my new unit will be equipped only with the optional equipment specifically listed on the face of this order plus all standard equipment as designated by the manufacturer at the time of delivery; AND					TOTAL		921,420	00
					TOTAL CASH DUE ON SALE			
					BALANCE DUE			
TRANSIT DAMAGE 4. Purchaser acknowledges that there may have been certain transit and/or storage damage to the vehicle sold by the Seller herein, and Purchaser hereby releases the Seller for any and all claims arising out of such transit and/or storage damage. 5. I certify that I am 18 years of age, or older, and that I have read the printed matter on the front and back hereof, and agree to it as part of this order the same as if it were printed above my signature. I UNDERSTAND THAT THIS ORDER IS NOT BINDING UNTIL ACCEPTED BY THE DEALERSHIP MANAGEMENT.					* BALANCE OWED TO			
					ADDRESS			
SALESMAN <input checked="" type="checkbox"/> <u>Melissa Larson Jackson</u> THIS ORDER IS NOT BINDING UNTIL ACCEPTED BY DEALERSHIP MANAGEMENT.					CASH DEPOSIT WITH ORDER (REC'T NO.)			
					CASH TO BE PAID AT TIME OF DELIVERY			
MANAGEMENT ACCEPTANCE <input checked="" type="checkbox"/> <u>M Jackson</u>					SALESMAN <input checked="" type="checkbox"/> <u>Melissa Larson Jackson</u>			
					CASH TO BE PAID AT TIME OF DELIVERY			
X <u>Kevin S. Conwell</u> 12/20/2019 SIGNATURE OF BUYER/S					NOTICE		This order used to contain a "power of attorney", however, there is a no longer room for it. If one is needed you should order MADA Form 3 .	
DR. LIC. NO.					STATE			

IMPORTANT NOTICE TO BUYERS

THE BUYER(S) MUST READ AND SIGN THE APPLICABLE PARAGRAPH.

TERMS AND CONDITIONS CONSTITUTING A PART OF PURCHASE ORDER CONTRACT BETWEEN THE LARSON GROUP, INC. ("Dealer") and the Buyer(s) listed on the reverse page ("Buyer"):

A. PROVISIONS APPLICABLE ON SALE OF NEW VEHICLE

- PRICE REVISION:** In the event the price to Dealer of the series and body type ordered by Buyer is changed by the manufacturer prior to delivery to Buyer the vehicle ordered by Buyer, Dealer has the right to accordingly change the cash delivered price to Buyer, provided that in the event of such price change, Buyer may cancel this Purchase Order. In the event this Purchase Order is so canceled and a used vehicle has been traded in as a part of consideration for the vehicle purchased by Buyer, such traded-in vehicle shall be returned to Buyer upon payment of a reasonable charge for storage and repairs (if any) or, if such traded-in vehicle has been previously sold by Dealer, the amount received by Dealer therefor less a selling commission of 15% and any expenses for storing, insuring, conditioning, or advertising such vehicle for sale, shall be returned to Buyer.
- It is understood that there is no relationship of principal and agent between Dealer and the manufacturer and that Dealer is not authorized to act, or attempt to act, or represent itself, directly or by implication, as agent of the manufacturer, or in any manner assume to create, or attempt to assume to create, any obligation on behalf of or in the name of the manufacturer.
- The only warranties applying to this vehicle are those offered by the manufacturer. The Dealer hereby expressly disclaims all warranties, either express or implied, including any implied warranties of merchantability of fitness for a particular purpose, and neither assumes nor authorizes any other person to assume for it any liability in connection with the sale of the vehicle. Buyer shall not be entitled to recover from the selling dealer any consequential damages, damages to property, damages for loss of use, loss of time, loss of profits or income, or any other incidental damages. The manufacturer's printed warranty offered on the sale of new vehicles will be furnished to the Buyer upon delivery of the vehicle. Copies of manufacturer's warranties are available for review in advance of purchase upon request.
- IMPORTANT:** If your new passenger car or light truck purchased on or after January 1, 1985 is defective, and cannot be made to conform to its applicable express warranty coverage after four repair attempts, or it is out of service for more than 30 calendar days during the period of one year or the term of its applicable express warranty, whichever is earlier, you may be entitled under state law to a replacement or to a refund. You must first notify the manufacturer of the problem in writing and provide the manufacturer an opportunity to repair the vehicle.

Buyer acknowledges that he has read, understands and accepts all of the provisions of this Paragraph A, along with all other portions of these terms and conditions.

Signature of New Vehicle Buyer(s) _____ Date _____

2. PROVISIONS APPLICABLE ON SALE OF USED VEHICLE:

- THE INFORMATION YOU SEE ON THE "WINDOW BUYER'S GUIDE FORM," IF ANY, FOR THIS VEHICLE IS PART OF THIS CONTRACT. INFORMATION ON THE "WINDOW BUYER'S GUIDE FORM" OVERRIDES ANY CONTRARY PROVISIONS IN THE CONTRACT OF SALE.**

2. NO DEALER WARRANTY:

a. The vehicle described on the reverse of this page is being sold to you "AS IS" and "SHOWN," "WITH ALL FAULTS," and THE SELLING DEALER HEREBY EXPRESSLY DISCLAIMS ALL WARRANTIES EITHER EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, and neither assumes nor authorizes any other person to assume for it any liability in connection with the sale of this vehicle. Further, the undersigned acknowledges that he is not relying on any representations in purchasing this vehicle that may have been made by Dealer or its agents or employees concerning the condition of the vehicle which are not stated herein. Buyer shall not be entitled to recovery from the Dealer for any consequential damages, incidental damages, property damage, or damages for loss of use, loss of time, loss of profits, for inconvenience or loss of income.

b. The only warranties applying to the sale of this vehicle are those extended by the manufacturer in an unexpired manufacturer's warranty, if any so exists. DEALER HEREBY EXPRESSLY DISCLAIMS ALL WARRANTIES EITHER EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Further, Dealer neither assumes nor authorizes any person to assume for it any liability other than that expressed in such instrument. The undersigned acknowledges that he is not relying on any representations in purchasing this vehicle that may have been made by Dealer or its agents or employees concerning the condition of this vehicle which are not stated herein. Buyer's damages for the condition of this vehicle are limited and restricted to those which are recoverable under the terms of any express written limited warranty, if issued at the time of sale, and Dealer hereby disclaims and excludes liability for any damages not recoverable by Buyer thereunder.

c. The Dealer received this vehicle with approximately the mileage shown on the odometer (less miles driving for testing and demonstration). However, Dealer makes no warranty or representation as to the accuracy of said odometer reading, either express or implied, except that said odometer reading has not been altered by Dealer, and that Dealer has no knowledge that it was altered or disconnected prior to the time this vehicle came into Dealer's possession. In consideration of the purchase price state on the reverse side of this page, Buyer hereby releases and forever discharges Dealer, its officers, directors, employees, agents, successors and assigns, from any and all claims, causes of action, liability and damages, which may result or develop from the accuracy of the odometer reading. Buyer agrees to indemnify and hold harmless Dealer therefrom. Buyer understands that Dealer has no control over what may have been done to the odometer by previous owners, and that Dealer has no way to ascertain the correctness of the odometer reading. Dealer has offered to give to buyer the name of the individual or entity from whom Dealer purchased the vehicle and to provide Buyer with information as to how he may contact the previous owners, and to ascertain from the Department of Revenue the mileage shown on the odometer on any previous transactions concerning this vehicle.

Buyer acknowledges that he has read, understands and accepts all of the provisions of this Paragraph B, along with all other portions of these terms and conditions.

Signature of Used Vehicle Buyer(s) _____ Date _____

3. OTHER PROVISIONS:

- NOTIFY SELLER WITHIN 20 DAYS:** Buyer shall give notice to Dealer of any breach of contract or breach of express warranty applicable to the vehicle within twenty (20) days of the time he discovers or should have discovered said breach or the Buyer shall be barred from any remedy for such breach. Buyer shall thereafter return the vehicle to Dealer, or anyone designated by Dealer, within twenty (20) days after the notice of breach to allow the Dealer the opportunity to cure the breach or the Buyer shall be barred from any remedy for the breach.
- REAPPRAISAL OF TRADED-IN VEHICLE:** If a vehicle has been traded in as a part of the consideration for the vehicle ordered by Buyer hereunder and such vehicle is not delivered to Dealer until delivery to Buyer of the vehicle purchased by Buyer, such traded-in vehicle shall be reappraised at that time and such reappraisal value shall determine the allowance made for such vehicle. If such reappraised value is lower than the original allowance therefor shown on the face of this Purchase Order, Buyer may, if dissatisfied therewith, cancel this Purchase Order; provided, however that such right to cancel must be exercised prior to delivery of the vehicle ordered hereunder to the Buyer and surrender of the traded-in vehicle to Dealer.
- BUYER'S WARRANTY OF TITLE AND PROMPT DELIVERY OF TITLE:** Buyer warrants that the traded-in vehicle is his property free and clear of all liens and encumbrances except as otherwise noted on the title. Buyer understands that the delivery and assignment of the certificate of title to any traded-in vehicle is an integral part of the entire sale transaction expressed in this retail buyer's order. If Buyer does not simultaneously assign and deliver the certificate of title at the time of trade-in, or fails to do so within fifteen days of the trade-in, seller may: (1) cancel the sale/purchase order and exercise any and all remedies under law including repossession; or (2) treat the sale in every respect as if no trade-in took place and revise the purchase price for the ordered vehicle accordingly. In such cases, Buyer's trade-in will be returned upon payment of a reasonable charge for storage and repairs, if any.
- FAILURE OR REFUSAL TO ACCEPT DELIVERY:** Unless this Purchase Order shall have been canceled by Buyer under and in accordance with the provisions of paragraphs "A-1" or "C-2" above, Dealer shall have the right, upon failure or refusal of Buyer to accept delivery of the vehicle ordered and to comply with the terms of this Purchase Order, to retain as liquidated damages any cash deposit made by the Buyer, and, in the event a vehicle has been traded in as a part of the consideration for the vehicle ordered by Buyer hereunder to sell such traded-in vehicle and reimburse himself with the proceeds of such sale for the expenses specified in paragraph "A-1" or "C-2" above, and for such other expenses and losses as Dealer may incur or suffer as a result of such failure or refusal by Buyer.
- FAILURE OR DELAY OF DELIVERY:** Dealer shall not be liable for failure to deliver or delay in delivery of the vehicle, accessories, or other parts thereof covered by the Purchase Order where such failure or delay is due, in whole or in part, to any cause other than the gross negligence of the Dealer.
- DISPUTES:** The laws of the State of Missouri shall apply to the interpretation and enforcement of this Purchase Order. Exclusive venue for any litigation arising out of or relating to this Purchase Order shall be in the state or federal courts with jurisdiction in Greene County, Missouri. Buyer submits to the jurisdiction of such courts, and waives any argument regarding lack of personal jurisdiction.



Peterbilt of Cincinnati P613
2550 Annuity Dr.

R & L Carriers
600 Gillam Rd

Cincinnati, Ohio United States 45241
Phone: (513) 772-1740
Fax:
Email:

Wilmington, Ohio United States 45177
Phone: (800) 543-5589
Fax:
Contact Email: smiller@rlcarriers.com
Prepared for: Shawn Miller

Vehicle Summary

		Unit	Chassis	
Model:		Model 579	Fr Axle Load (lbs):	12000
Type:		Tractor	Rr Axle Load (lbs)	38000
Description:		579-DM Tandem	G.C.W. (lbs):	80000
	Application		Road Conditions:	
Intended Serv.:		General Freight	Class A (Highway)	100
Commodity:		Other Commodity	Class B (Hwy/Mtn)	0
	Body		Class C (Off-Hwy)	0
Type:			Class D (Off-Road)	0
Length (ft):		0	Maximum Grade:	6
Height (ft):		0.0	Wheelbase (in):	172
Max Laden Weight (lbs):		0	Overhang (in):	60
	Trailer		Fr Axle to BOC (in):	74.1
No. of Trailer Axles:		2	Cab to Axle (in):	97.9
Type:		Van	Cab to EOF (in):	157.9
Length (ft):		53	Overall Comb. Length	281
Height (ft):		13.5	(in):	
Kingpin Inset (in):		36		
Corner Radius (in):		1		
	Restrictions		Special Req.	
Length (ft):		65	United States Registry	
Width (in):		102		
Height (ft):		13.5		

Approved by: _____

Date: _____

Note: All sales are F.O.B. designated plant of manufacture.

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Complete

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Wilmington, Ohio United States 45177
Phone: (800) 543-5589
Fax:
Contact Email: smiller@rlcarriers.com
Prepared for: Shawn Miller

Data	Code	Description	Weight
Base Model			
0005791	O	Model 579 The Model 579 combines aerodynamic innovation and powertrain optimization to deliver confidence and efficiency for the most cost-conscious companies. A solid and durable aluminum cab consists of the highest quality fit and finish. An in-mold process embeds color directly onto the dash for a long-lasting finish that virtually eliminates fading, scratching and peeling. Electrical wiring carriages support wiring and reduce wear and tear, adding to the overall durability of the components. Peterbilt's flexible Aero Packages provide the right combination of fairings, skirts and closeouts to exceed application-specific aerodynamic requirements. Available in a day cab, or with detachable sleeper, that adds versatility and longevity of a second life for highest resale value.	14,810
0091200	O	Other Commodity	0
0093170	O	General Freight Truck or tractor used in over-the-road hauling of general freight. Pickup to delivery distance is typically over 100 miles and annual mileage is typically over 60,000 miles per year. Operation is typically on-highway.	0
0096010	O	Van	0
0098170	O	United States Registry	0
Configuration			
0200614	O	SmartWay Designated - Not Selected or Unavailable For this vehicle configuration.	0
0200700	O	Not Applicable Secondary Manufacturer	0
Frame & Equipment			
0515030	S	10-5/8in Steel Rails to 285in 10.625 x 3.45 x .313 Dimension, 1,776,000 RBM; Yield Strength: 120,000 psi. Section Modulus: 14.8 cubic inches. Weight: 1.44 lbs/inch pair	-29
0611790	S	Aluminum Frame Rail Crossmembers Excludes suspension	0
0644000	S	EOF Tractor Tapered with Xmbr Includes Kingpin Cutout	0
0651220	O	Furnish Mudflap Hangers Only, Omit Flaps (Mudflap/Hanger option is required)	-8

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Data	Code	Description	Weight
0651410	O	Peterbilt Rear Mudflaps, Fleet Engr FB27 Hanger 45 Degree, Spring-loaded (requires two additional inches of overhang for tractors).	15
0673010	O	Polyarmor Black Quarter Fenders with Peterbilt logo on flap	25
0712380	O	Holland PH-30-RP-41 Hitch (Requires A-Brace) Features the NoLube Technology and FASTLATCH which provides easy one-handed latch operation and an automatic secondary lock. Will accommodate 6,000 lb maximum vertical load and 30,000 lb gross trailer weight.	17
0721210	O	Standard A-Brace for Tractor Taper EOF	29
0854110	O	JOST JSK37 Fifth Wheel Top Plate	240
0870020	O	Fifth Wheel Setting Behind C/L Bogie 2in Fifth wheel setting 2" behind bogie	0
0890090	O	LH Fifth Wheel Release	0
0890540	O	6.6in - 7in Fifth Wheel Height	79
0891200	O	Ground Strap For Fifth Wheel, Coiled	0
0891210	O	12in Air Slide For Fifth Wheel	154
0898030	O	Fifth Wheel Slide Controls Provided with Speed Interlock to prevent accidental activation above 7 MPH. Configurable from 5 to 10 MPH. Required with sliding Fifth Wheels.	2
0960000	O	Frame Mounted Deck Plate and Access Pkg, LH Side N09600 ADD STEP TO TOP OF FUEL TANK N09610 FOR SAFETY PER CUSTOMER N09620 REQUIREMENTS.	41
0960101	U	Flush Mounted Deck Plate IPO Top Mount	0
0960140	U	DECK PLATE STEP OVER FUEL TANK	0
Front Axle & Equipment			
1012140	S	Meritor MFS+12E 12,500 lb, 3.5 in. Drop Axle is designed for applications with a gross axle weight rating (GAWR) of 13,000 pounds. Axles include special low-friction bushings, double draw keys and integral thrust bearing and seal design for durability, low maintenance and ease of service.	0
1111190	S	Taper Leaf Springs, Shocks 12,000 lb	0
1233100	O	Power Steering TRW THP60 For use with 10,000 to 13,200 lb. axle ratings. Glidekote splines on steering shaft extend service life of components.	-19
1250180	S	Power Steering Reservoir Frame Mounted	0
1353550	S	PHP10 Aluminum PreSet PLUS Hubs Air Disc Use with Front Axle	0
1380070	O	Greasable Front Spring Pins	0

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1380290	S	Air Disc Front Brakes Complies with reduced stopping distance regulations.	0
1380380	S	Tenneco Shocks For Steer Axle	0
1380470	O	Meritor Wide Track IPO Standard, Front Axle MFS+ 3.5" Drop / MFS 3.74" Drop. 71in KPI IPO 69in with MFS and MFS+ axles For improved turning radius.	5

Rear Axle & Equipment

1526150	O	Meritor MT40-14X 40,000 lb Interaxle diff lock air rocker occupies space of one gauge. Laser factory axle alignment to improve handling & reduce tire wear. Magnetic rear axle oil drain plug captures & holds any metal fragments in drive axle lube to extend service life. Parking brakes on all drive axles for optimal performance. Cognis EMGARD® FE 75W-90 synthetic axle lube provides over 1% fuel economy improvement. Reduces wear & extends maintenance intervals, resulting in increased uptime. Provides improved fluid flow to protect components in extreme cold conditions & withstand the stress from high temperatures, extending component life.	174
1616295	S	PHP10 Aluminum Preset PLUS Hubs - Air Disc	0
1632650	S	Long Stroke Parking Brakes, Drive Axle(s)	0
1680390	S	Bendix ESP Electronic Stability Program With ATC Tractor service only. The Bendix ESP system is designed to continuously monitor a variety of vehicle parameters and sensors to determine if the vehicle is reaching a critical stability threshold. If such a situation develops, the system will quickly and automatically intervene to assist the driver by selectively applying tractor and trailer brakes, and de-throttling the engine.	0
1680616	U	Side Sensor for Bendix Collision Mitigation	0
1680985	O	Bendix Wingman Fusion Side Sensor Not Included. Wingman Fusion gathers input from radar, video and the brake system to create a highly detailed and accurate data picture. By combining the complimentary technologies, the system uses multiple sensors to confirm objects. This results in more robust decision making for the system as a whole and a significant reduction of false alerts or activations.	0
1682710	S	Anti-Lock Braking System (ABS) 6S6M ABS-6. Includes air braking system.	0
1683270	U	SIDE SENSOR BRACKET FOR DAY CABS	0
1684200	S	Synthetic Axle Lubricant All Axles Peterbilt heavy duty models include Fuel Efficient Cognis EMGARD FE75W-90 which provides customers performance advantages over current synthetic lubricants with reduced gear wear and extended maintenance intervals, resulting in increased uptime. In addition, the lubricant provides improved fluid flow to protect gears in extreme cold conditions and withstand the stress from high temperatures, extending component life.	0

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1687040	S	Air Disc Rear Brakes, Tandem Drive Axle Includes Automatic Slack Adjusters.	0
1702640	O	Ratio 2.64 Rear Axle	0
1821900	O	Peterbilt Flex Air 38,000 lb, 52in Axle Spacing Aluminum Suspension Crossmember. Light Weight	-165
1922260	O	Dash Mtd Dump Switch With Indicator Light For suspension	2

Engine & Equipment

2059967	O	X15 450@1800 GOV@1800 1550-1750@1000 SmartTorque 2 Efficiency Series, Smart Advantage (2017 Emissions) Includes aluminum flywheel housing. Chevron Delo LE SAE 10W30 engine oil is specially formulated for new low emissions engines. Magnetic engine oil drain plug captures and holds any metal fragments in engine oil to extend service life. N21320 N205 120..Standard Maximum Speed Limit [LSL] N21330 N207 0....Expiration Distance N21340 P112 120..Hard Maximum Speed Limit N21350 P001 66...Maximum Accelerator Pedal Vehicle Speed N21360 P110 0....Accelerator Lower Droop N21370 P059 68...Maximum Cruise Speed N21380 P111 0....Cruise Control Lower Droop N21400 N203 252..Reserve Speed Function Reset Distance N21410 N202 0....Maximum Cycle Distance N21420 N206 10...Maximum Active Distance N21430 N201 0....Reserve Speed Limit Offset N21440 P015 NO...Engine Protection Shutdown N21450 P026 YES..Gear Down Protection N21460 P046 1400.Max PTO Speed N21470 P062 NO...Cruise Control Auto Resume N21480 P068 NO...Auto Engine Brake in Cruise N21500 N209 0....Expiration Distance N21510 P520 YES..Enable Idle Shutdown Park Brake Set N21520 P030 5....Timer Setting N21530 P233 YES..Enable Impending Shutdown Warning N21540 P234 60...Timer For Impending Shutdown Warning N21550 P516 35...Engine Load Threshold N21570 P031 NO...Idle Shutdown Manual Override N21590 P230 YES..Enable Hot Ambient Automatic Override N21610 P172 30...Low Ambient Temperature Threshold N21630 P171 90...High Ambient Temperature Threshold	340
2091305	O	Engine Idle Shutdown Timer Enabled	0
2091315	O	Enable EIST Ambient Temp Override	0
2091372	O	Eff EIST NA Expiration Miles	0
2091638	O	Effective VSL Setting 65.0 MPH or Greater (USA)	0
2140200	O	CARB Engine Idling Compliance PACCAR PX-7, PX-9 and MX, Cummins ISL, ISM and ISX diesel engines will include the required factory installed serialized sticker on the drivers door to identify them as meeting the NOx idling standard.	0

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2140410	O	Engine Brake Controls Located on RH Column	0
2513060	S	PACCAR 160 Amp Alternator, Brushed	0
2521090	S	Immersion Type Block Heater 110-120V Standard location is center left hand under cab and includes a weather-proof cover that protects the receptacle. This pre-heater keeps the coolant in the engine block from freezing when the engine is not running.	0
2522050	S	PACCAR 12V Starter	0
2538050	O	4 PACCAR Premium 12V Dual Purpose Batt 2920 CCA Threaded stud type terminal. Stranded copper battery cables are double aught (00) or larger to reduce resistance.	62
2539410	O	Battery Jumper Terminal Mounted Under Hood LH Frame Rail. Not available with PX-7 engines.	4
2539720	S	Low Voltage Disconnect System	0
2621000	O	2-Speed Fan Clutch For Frequent Start/Stops	0
2723220	O	Naturally Aspirated 18.7 CFM Air Compressor X15 Only	0
2812170	O	Intebrake (Furnished on Engine)	0
2921130	O	DAVCO 382 Fuel/Water Separator	0
2921210	O	No Fluid Heat Option for Fuel Filter	0
2921340	O	12V and 120V Heat for Fuel Filter	0
3010400	O	Engine Protection Shutdown Includes oil pressure, oil temperature, coolant temperature, and intake manifold temperature.	0
3114270	S	High Efficiency Cooling System Cooling module is a combination of steel and aluminum components, with aluminum connections to maximize performance and cooling capability. Silicone radiator & heater hoses enhance value, durability, & reliability. Constant tension band clamps reduce leaks. ClimaTech extended life coolant extends maintenance intervals which reduces maintenance costs. Anti-freeze effective to -30 degrees F helps protect the engine. Low coolant level sensor warns of low coolant condition to prevent engine damage. Radiator Size by Model: 587: 1330 sq in, 579/367 FEPTO 1325 sq in, 567/365/367: 1440 sq in, 384/386: 1301 sq in, 365 FEPTO: 1184 sq in, 389/367 HH: 1669 sq in, 348: 1000 sq in, 320: 1242 sq in.	0
3291680	S	(1) Air Cleaner Firewall Mounted Molded rubber air intake connections with lined stainless steel clamps seal to prevent contaminants in air intake.	0
3365250	O	Exhaust Single RH Back Of Cab DPF/SCR RH Under Cab (2017).	9
3381770	O	Curved Tip Standpipe(s)	0
3383040	O	DPF Regeneration Switch Remove Stop Position	0
3387500	O	48in Ht, 5in Dia Chrome, Clear Coat Standpipe(s)	8

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Data	Code	Description	Weight
Transmission & Equipment			
4010100	O	Eaton EEO-17F112C12 Automated, Endurant 12-Speed No cooler	0
4210870	S	RPL20 Driveline Interaxle	0
4211350	O	RPL25 SD Driveline, Without Midship Bearing	0
4250750	O	Decline Eaton Neutral Coast Mode Automated transmission programming	0
4252190	O	Shifter Plate, PTO Access Hole	0
4252610	S	Column Mounted Shifter RH Side	0
Air & Trailer Equipment			
4510320	S	Bendix AD-IS Air Dryer W/Heater And Coalescing Filter	0
4540420	S	Nylon Chassis Hose	0
4542330	O	Central Location For Air Tank Drain Valves Frame mounted BOC tanks, includes pull cords only available horizontal/transverse tanks	0
4543320	S	Steel Painted Air Tanks All air tanks are steel with painted finish except when Code 4543330 Polish Aluminum Air Tanks is also selected (then exposed air tanks outside the frame rails will be polished aluminum). Peterbilt will determine the optimal size and location of required air tanks. Narratives requesting a specific air tank size or location will not be accepted for factory installation. See ECAT to determine number or location of air tanks installed.	0
4610920	S	Self Returning Brake Hand Valve, With Dash Mounted Controls	0
4611275	O	12' A&E Lines Straight 3 in 1 (2) 7-Way Plugs BOC Socket W/O QCMS2	0
4611590	O	Gladhand, Plug & ISO Holder Mounted BOC/BOS	0
4611660	O	Horizontal A&E Mounting Bar W/ DOUBLE SPRING	4
4612310	O	Locate Gladhand/Plg Hldr LWR LH ON BOC/BOS OR Extender Brace	0
4613690	O	Additional Cutout For F/O 7-Way Socket On Pogo Bracket	0
4614000	O	A&E Connections BOC/BOS without Hose Tenna	8
Tires & Wheels			
5006660	U	FF: CN 16PLY 11R22.5 HSL2 EP	11
5107281	U	RR: CN 14PLY 11R22.5 HDL2	132
5190008	O	Code-rear Tire Qty 08	0
5215050	U	FF: ACCUR 41644SP 22.5X8.25 ALM	-40
5315051	U	RR: Accur 41644SP 22.5X8.25 Alum Wheel	-40
5390008	O	Code-rear Rim Qty 08	0

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Data	Code	Description	Weight
5400100	O	Install Allegro V2B Caps	0
5407781	U	FF: Accur Extra-Polished Wheels	0
5407801	U	RR: Accur Extra-Polished Wheels Tandem Drive	0
5407881	U	FF: Accur Accu-Shield Wheels Outer Surface Only	0
5407901	U	RR: Accur Accu-Shield Wheels Tandem Drive Outer Surface of Outer Wheel	0
Fuel Tanks			
5554400	O	26in Aluminum 150 Gallon Fuel Tank LH U/C Includes steps for cab access. Paddle handle filler cap with threadless filler neck. Top draw fuel plumbing reduces chance of introducing air into the fuel system during low fuel level conditions due to the central placement of fuel pickup tube. Wire braid fuel lines increase durability & reduce potential for leaks.	58
5602150	O	Location LH U/C 150 Gallon	0
5652790	O	(3) Straps Per Tank, (1) Tank Subject to frame review	20
5652880	O	DEF Tank Mounted RH BOC You have selected a Diesel Exhaust Fluid (DEF) tank mounted on the right-hand (passenger) side of the vehicle. Note, some retail fuel distributors have chosen to standardize on DEF dispensing pumps oriented to the left-hand (driver) side of the vehicle. Please verify your selection for DEF tank mounting.	0
5652990	O	Standard DEF To Fuel Ratio 2:1 Or Greater	0
5655019	S	DEF Tank Small	0
5760010	O	RH Tank None Furnished	-86
Battery Box & Bumper			
6010070	O	Aluminum Battery Box, Flush Between Rails BOC	-40
6030150	O	Rubber Battery Pad In Bottom Of (1) Battery Box Mat in box that holds batteries only	4
6030560	O	Chain Hanger Mtd RH Side Frame Model 35-5951	13
6040550	S	Aftertreatment RH U/C ALUMINUM Non-Slip Cab Entry Step. DPF/SCR for diesel engines, catalyst for natural gas engines. On Models 579 specifying chassis fairings, the box will be aerodynamic.	0
6040690	U	TOW PIN HOLDERS, FRAME MOUNTED	0
6111150	O	Aero Bumper, Molded 3-Piece, Painted Body Color	0
Cab & Equipment			
6515680	O	Aerodynamic 123in BBC Alum Cab & SMC Hood w/ SBFA Hood has stainless steel grill with chrome plated grille surround and Peterbilt bird. Includes anti-blow down hood device.	40

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Data	Code	Description	Weight
6540160	O	Thermal Insulation Package in Cab Includes thick, closed-cell foam in floor, special mylar-faced foam in walls and roof structure.	2
6540440	O	Key All Units Alike Please add your 4 digit key code number in the key code field.	0
6543037	O	KEY P0688	0
6700000	O	No Sleeper Selected	0
6913280	U	PETERBILT CUSTOM DRIVER SEAT 2.1M CABS N69140 OAR0	0
6923170	O	None Furnished Passenger Seat	-53
6930240	U	DRIVER LUMBAR ADJUSTMENT BACK CYCLER	0
6930580	O	Drivers Armrests - LH & RH Required in Model 587 with Evolution LX seats, optional with Evolution ST and Rolltek Seats.	4
6930800	O	Black Seat Color ipo Standard Color	0
6931120	O	Seat Belt Color Orange IPO Standard Black	0
6933030	U	DRIVER SEAT HEATED/COOLED	4
6939400	S	Air Ride Driver	0
6939420	S	High Back Driver	0
6939450	O	Leather Driver	0
7001520	O	Adjustable Steering Column - Tilt/Telescope	10
7001630	O	Premium Steering Wheel w Multi Function Premium Multi-functional Leather Wrapped Steering Wheel with Peterbilt logo over horn button. Includes audio volume, seek, mute and mode button on LH pod with cruise control on/off/cancel, set/resume and accelerate/coast on the right pod.	5
7001640	O	Rear Wall Notebook/Record Holder Day Cab	2
7037130	S	Prestige Interior - Sterling Gray	0
7210510	O	3-Piece Glass Rear Cab Window, All Pieces Fixed	0
7210540	S	Day Cab Rear Window	0
7230060	S	One Piece Curved Windshield	0
7230360	S	Power Door Locks AND Power Window Lifts Standard	0
7322010	S	Combo Fresh Air Heater/Air Conditioner With radiator mounted condenser, dedicated side window defrosters, Bi-Level Heater/Defroster Controls, 54,500 BTU/HR, and silicone heater hoses.	0
7410040	O	Outside Sunvisor - Stainless Steel Not available with 2.1M high roof sleeper or furnished by owner sleeper.	8

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7514010	O	Peterbilt Aero Rear View Mirror, Motorized Includes top mirror with motorized, adjustable dual axis heated glass. Bottom mirror is an integrated convex surface. Includes black textured arms with breakaway feature.	3
7514020	S	Aero Rear View Mirror Housing - Body Color	0
7514050	S	Look Down Mirror Over Passenger Door with Black Housing	0
7561320	O	LH/RH Hood Mirrors, Housing and Arm Black Finish Rearward View	10
7610500	S	Air Horn Mounted Under Cab	0
7725710	O	Standard Speaker Package For Cab (2) Speakers	4
7725715	O	ConcertClass Without CD, Includes BT Phone and Audio, AM/FM, WB, USB and MP3.	10
7740150	O	CB Terminal Wiring, Microphone Clip, Speaker F/O CB radio mounted center of header. Select antenna separately.	3
7748740	O	(2) Antennas For Factory Installed or F/O CB Mounted RH/LH side of roof, with antenna cables	2
7788055	S	SmartLINQ Remote Diagnostics SmartLINQ is Peterbilt's proprietary remote diagnostics service which monitors the engine and aftertreatment for diagnostic codes providing real-time code analysis maximizing vehicle uptime and strengthening the fleets partnership with their dealer. SmartLINQ provides fault coverage for over 800 codes, a customizable email notification for 116 codes plus a web portal to manage your entire fleet included at no additional charge. SmartLINQ is compatible with any telematics system and doesn't require a specific fleet management system. For those whose customers utilize PeopleNet, the pre-wire with remote diagnostics will provide a more integrated solution utilizing the existing SmartLINQ modem. For those whose customers utilize other fleet services products, the existing pre-wire option for the other fleet service devices will continue to be available.. SmartLINQ is standard with MX-13 engines and available on the models 587,579,567,389,367 and 365.	0
7789900	O	Wiring Provisions For F/O ELD Telematics Includes 9-pin conn w/J1939, power and ground.	0
7851040	O	Removable Bugscreen Behind Grille	2
7851480	S	Peterbilt Electric Windshield Wipers With Intermittent Feature.	0
7852020	O	Cab Air Suspension	15
7852050	O	Auto Reset Circuit Protection Daycab and Sleeper	0
7870560	O	18 Inch Cab Side Extenders, Includes 6.5 Inch Rubber flares for daycab only.	46
7871160	U	BRACKETS ONLY F/O ROOF FAIRING	33
7900090	O	Triangle Reflector Kit Shipped Loose	13

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Data	Code	Description	Weight
7900310	O	Fire Extinguisher; Mounted Outboard Driver Seat Hazmat approval UL listed/rated ABC.	8
7900425	O	Program: Back-Up And Audible Alarms Park brake not set with door open.	0
7901130	O	Backup Alarm (107dB)	3
8071890	S	Main Instrument Panel Includes Driver Information Display and Instrument Package With Speedometer, Tachometer, Fuel Level Gauge, Engine Oil Pressure, Engine Coolant Temperature, (2) Air Pressure, DEF Level Gauge. With Gas Engines, DEF Level Gauge will be replaced with Brake Application Gauge.	0
8072460	O	Omit Fan Clutch Override Switch	0
8111110	S	Headlights Composite Fender Mounted Integral park, turn, and side marker	0
8120990	S	(5) Marker Lights, Aero LED On roof, visor, or fairing.	0
8131560	O	(2) Peterbilt Fog Lights Recessed in bumper	6
8132570	O	Additional Wire For F/O Fairing/Ad Light F/O light wired to clearance light switch	0
8133960	S	Daytime Running Lights Required on all Canadian vehicles	0
8140080	O	LED Stop/Turn/Tail/Backup Bracket mounted LH/RH EOF	2
8140650	O	Peterbilt Signature Door Light Turn Signal	0
8151190	O	(2) Load Lights, LED, Flush Mounted Low Inboard BOC/BOS	4
Paint			
8500710	O	Standard Paint Color Selection	0
8530770	S	(1) Color Axalta Two Stage - Cab/Hood Base Coat/Clear Coat N85020 A - M1001EY GREEN N85400 HOOD TOP M1001EY GREEN N85500 CAB ROOF M1001EY GREEN N85200 FRAME N0001EA BLACK N85700 BUMPER M1001EY GREEN N85300 FENDER M1001EY GREEN	0
8531320	O	Axalta Two Stage Effect - Metallic/Pearl Cab/Hood & Sleeper Only	0
Options Not Subject To Discount			
9400090	S	Peterbilt Class 8 Standard Coverage 1 year/100,000 Miles (160,000 km)	0
9408938	U	PDI AT LARSON GROUP PDI CENTER	0

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Data	Code	Description	Weight
Miscellaneous			
9409001	O	Day Cab / Prestige Interior (DM)	0
9409800	O	2017 EPA Emissions Engine Warranty Only	0
Total Weight			16025

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Peterbilt of Cincinnati P613
2550 Annuity Dr.

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600 Gillam Rd

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Wilmington, Ohio United States 45177
Phone: (800) 543-5589
Fax:
Contact Email: smiller@rlcarriers.com
Prepared for: Shawn Miller

Vehicle Summary

	Unit	Model 579	Chassis	
Model:		Model 579	Fr Axle Load (lbs):	12000
Type:		Tractor	Rr Axle Load (lbs)	23000
Description:		579-DM Single	G.C.W. (lbs):	80000
	Application		Road Conditions:	
Intended Serv.:		General Freight	Class A (Highway)	100
Commodity:		Other Commodity	Class B (Hwy/Mtn)	0
	Body		Class C (Off-Hwy)	0
Type:			Class D (Off-Road)	0
Length (ft):		0	Maximum Grade:	6
Height (ft):		0.0	Wheelbase (in):	159
Max Laden Weight (lbs):		0	Overhang (in):	33.5
	Trailer		Fr Axle to BOC (in):	74.1
No. of Trailer Axles:		2	Cab to Axle (in):	84.9
Type:		Van	Cab to EOF (in):	118.4
Length (ft):		53	Overall Comb. Length (in):	807
Height (ft):		13.5		
Kingpin Inset (in):		36	Special Req.	
Corner Radius (in):		1	United States Registry	
	Restrictions			
Length (ft):		65		
Width (in):		102		
Height (ft):		13.5		

Approved by: _____

Date: _____

Note: All sales are F.O.B. designated plant of manufacture.

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Prepared for: Shawn Miller

Data	Code	Description	Weight
Base Model			
0005791	O	Model 579 The Model 579 combines aerodynamic innovation and powertrain optimization to deliver confidence and efficiency for the most cost-conscious companies. A solid and durable aluminum cab consists of the highest quality fit and finish. An in-mold process embeds color directly onto the dash for a long-lasting finish that virtually eliminates fading, scratching and peeling. Electrical wiring carriages support wiring and reduce wear and tear, adding to the overall durability of the components. Peterbilt's flexible Aero Packages provide the right combination of fairings, skirts and closeouts to exceed application-specific aerodynamic requirements. Available in a day cab, or with detachable sleeper, that adds versatility and longevity of a second life for highest resale value.	14,810
0091200	O	Other Commodity	0
0093170	O	General Freight Truck or tractor used in over-the-road hauling of general freight. Pickup to delivery distance is typically over 100 miles and annual mileage is typically over 60,000 miles per year. Operation is typically on-highway.	0
0096010	O	Van	0
0098170	O	United States Registry	0
Configuration			
0200614	O	SmartWay Designated - Not Selected or Unavailable For this vehicle configuration.	0
0200700	O	Not Applicable Secondary Manufacturer	0
Frame & Equipment			
0515030	S	10-5/8in Steel Rails to 285in 10.625 x 3.45 x .313 Dimension, 1,776,000 RBM; Yield Strength: 120,000 psi. Section Modulus: 14.8 cubic inches. Weight: 1.44 lbs/inch pair N05110 PREVIOUS CHASSIS 262695	-143
0611790	S	Aluminum Frame Rail Crossmembers Excludes suspension	0
0644000	S	EOF Tractor Tapered with Xmbr Includes Kingpin Cutout	0
0651220	O	Furnish Mudflap Hangers Only, Omit Flaps (Mudflap/Hanger option is required)	-8

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Data	Code	Description	Weight
0651410	O	Peterbilt Rear Mudflaps, Fleet Engr FB27 Hanger 45 Degree, Spring-loaded (requires two additional inches of overhang for tractors).	15
0673010	O	Polyarmor Black Quarter Fenders with Peterbilt logo on flap	25
0712380	O	Holland PH-30-RP-41 Hitch (Requires A-Brace) Features the NoLube Technology and FASTLATCH which provides easy one-handed latch operation and an automatic secondary lock. Will accommodate 6,000 lb maximum vertical load and 30,000 lb gross trailer weight.	17
0721210	O	Standard A-Brace for Tractor Taper EOF	29
0854110	O	JOST JSK37 Fifth Wheel Top Plate	240
0860010	O	Fifth Wheel Setting Ahead C/L Bogie 1in Fifth wheel setting 1" ahead of bogie	0
0890090	O	LH Fifth Wheel Release	0
0890560	O	8.6in - 9.25in Fifth Wheel Height	99
0891200	O	Ground Strap For Fifth Wheel, Coiled	0
0891210	O	12in Air Slide For Fifth Wheel	154
0898030	O	Fifth Wheel Slide Controls Provided with Speed Interlock to prevent accidental activation above 7 MPH. Configurable from 5 to 10 MPH. Required with sliding Fifth Wheels.	2
0960000	O	Frame Mounted Deck Plate and Access Pkg, LH Side	41
0960100	O	Flush Mount Deck Plate IPO Top Mount (limited to 21 inches)	0

Front Axle & Equipment

1012140	S	Meritor MFS+12E 12,500 lb, 3.5 in. Drop Axle is designed for applications with a gross axle weight rating (GAWR) of 13,000 pounds. Axles include special low-friction bushings, double draw keys and integral thrust bearing and seal design for durability, low maintenance and ease of service.	0
1111190	S	Taper Leaf Springs, Shocks 12,000 lb	0
1233100	O	Power Steering TRW THP60 For use with 10,000 to 13,200 lb. axle ratings. Glidekote splines on steering shaft extend service life of components.	-19
1250180	S	Power Steering Reservoir Frame Mounted	0
1353550	S	PHP10 Aluminum PreSet PLUS Hubs Air Disc Use with Front Axle	0
1380070	O	Greasable Front Spring Pins	0
1380290	S	Air Disc Front Brakes Complies with reduced stopping distance regulations.	0
1380380	S	Tenneco Shocks For Steer Axle	0

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Data	Code	Description	Weight
1380470	O	Meritor Wide Track IPO Standard, Front Axle MFS+ 3.5" Drop / MFS 3.74" Drop. 71in KPI IPO 69in with MFS and MFS+ axles For improved turning radius.	5
Rear Axle & Equipment			
1511440	O	Meritor RS23-161 23,000 lb Laser factory axle alignment to improve handling & reduce tire wear. Magnetic rear axle oil drain plug captures & holds any metal fragments in drive axle lube to extend service life. Parking brakes on all drive axles for optimal performance. Cognis EMGARD® FE 75W-90 synthetic axle lube provides over 1% fuel economy improvement. Reduces wear & extends maintenance intervals, resulting in increased uptime. Provides improved fluid flow to protect components in extreme cold conditions & withstand the stress from high temperatures, extending component life.	-1,828
1616295	S	PHP10 Aluminum Preset PLUS Hubs - Air Disc	0
1632650	S	Long Stroke Parking Brakes, Drive Axle(s)	0
1680390	S	Bendix ESP Electronic Stability Program With ATC Tractor service only. The Bendix ESP system is designed to continuously monitor a variety of vehicle parameters and sensors to determine if the vehicle is reaching a critical stability threshold. If such a situation develops, the system will quickly and automatically intervene to assist the driver by selectively applying tractor and trailer brakes, and de-throttling the engine.	0
1680616	U	Side Sensor For Bendix Collision Mitigation	0
1680985	O	Bendix Wingman Fusion Side Sensor Not Included. Wingman Fusion gathers input from radar, video and the brake system to create a highly detailed and accurate data picture. By combining the complimentary technologies, the system uses multiple sensors to confirm objects. This results in more robust decision making for the system as a whole and a significant reduction of false alerts or activations.	0
1682430	O	Anti-Lock Braking System (ABS) 4S4M ABS-6. Includes air braking system.	-30
1683270	U	SIDE SENSOR BRACKET FOR DAY CABS	0
1684200	S	Synthetic Axle Lubricant All Axles Peterbilt heavy duty models include Fuel Efficient Cognis EMGARD FE75W-90 which provides customers performance advantages over current synthetic lubricants with reduced gear wear and extended maintenance intervals, resulting in increased uptime. In addition, the lubricant provides improved fluid flow to protect gears in extreme cold conditions and withstand the stress from high temperatures, extending component life.	0
1687080	O	Air Disc Rear Brakes, Single Drive Axle	0
1702670	U	RATIO 2.67 REAR AXLE N17040 OARO	0
1702800	O	Ratio 2.80 Rear Axle	0

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1811141	U	Peterbilt Low Air Leaf 21,000 LBS	-489
1922260	O	Dash Mtd Dump Switch With Indicator Light For suspension	2

Engine & Equipment

2059967	O	X15 450@1800 GOV@1800 1550-1750@1000 SmartTorque 2 Efficiency Series, Smart Advantage (2017 Emissions) Includes aluminum flywheel housing. Chevron Delo LE SAE 10W30 engine oil is specially formulated for new low emissions engines. Magnetic engine oil drain plug captures and holds any metal fragments in engine oil to extend service life. N21320 N205 120..Standard Maximum Speed Limit [LSL] N21330 N207 0...Expiration Distance N21340 P112 120..Hard Maximum Speed Limit N21350 P001 66...Maximum Accelerator Pedal Vehicle Speed N21360 P110 0....Accelerator Lower Droop N21370 P059 68...Maximum Cruise Speed N21380 P111 0....Cruise Control Lower Droop N21400 N203 252..Reserve Speed Function Reset Distance N21410 N202 0....Maximum Cycle Distance N21420 N206 10...Maximum Active Distance N21430 N201 0....Reserve Speed Limit Offset N21440 P015 NO...Engine Protection Shutdown N21450 P026 YES..Gear Down Protection N21460 P046 1400.Max PTO Speed N21470 P062 NO...Cruise Control Auto Resume N21480 P068 NO...Auto Engine Brake in Cruise N21500 N209 0....Expiration Distance N21510 P520 YES..Enable Idle Shutdown Park Brake Set N21520 P030 5....Timer Setting N21530 P233 YES..Enable Impending Shutdown Warning N21540 P234 60...Timer For Impending Shutdown Warning N21550 P516 35...Engine Load Threshold N21570 P031 NO...Idle Shutdown Manual Override N21590 P230 YES..Enable Hot Ambient Automatic Override N21610 P172 30...Low Ambient Temperature Threshold N21630 P171 90...High Ambient Temperature Threshold	340
2091305	O	Engine Idle Shutdown Timer Enabled	0
2091315	O	Enable EIST Ambient Temp Override	0
2091372	O	Eff EIST NA Expiration Miles	0
2091638	O	Effective VSL Setting 65.0 MPH or Greater (USA)	0
2140200	O	CARB Engine Idling Compliance PACCAR PX-7, PX-9 and MX, Cummins ISL, ISM and ISX diesel engines will include the required factory installed serialized sticker on the drivers door to identify them as meeting the NOx idling standard.	0
2140410	O	Engine Brake Controls Located on RH Column	0
2513060	S	PACCAR 160 Amp Alternator, Brushed	0

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Data	Code	Description	Weight
2521090	S	Immersion Type Block Heater 110-120V Standard location is center left hand under cab and includes a weather-proof cover that protects the receptacle. This pre-heater keeps the coolant in the engine block from freezing when the engine is not running.	0
2522050	S	PACCAR 12V Starter	0
2538050	O	4 PACCAR Premium 12V Dual Purpose Batt 2920 CCA Threaded stud type terminal. Stranded copper battery cables are double aught (00) or larger to reduce resistance.	62
2539410	O	Battery Jumper Terminal Mounted Under Hood LH Frame Rail. Not available with PX-7 engines.	4
2539720	S	Low Voltage Disconnect System	0
2621000	O	2-Speed Fan Clutch For Frequent Start/Stops	0
2723220	O	Naturally Aspirated 18.7 CFM Air Compressor X15 Only	0
2812170	O	Intebrake (Furnished on Engine)	0
2921130	O	DAVCO 382 Fuel/Water Separator	0
2921210	O	No Fluid Heat Option for Fuel Filter	0
2921340	O	12V and 120V Heat for Fuel Filter	0
3010400	O	Engine Protection Shutdown Includes oil pressure, oil temperature, coolant temperature, and intake manifold temperature.	0
3114270	S	High Efficiency Cooling System Cooling module is a combination of steel and aluminum components, with aluminum connections to maximize performance and cooling capability. Silicone radiator & heater hoses enhance value, durability, & reliability. Constant tension band clamps reduce leaks. ClimaTech extended life coolant extends maintenance intervals which reduces maintenance costs. Anti-freeze effective to -30 degrees F helps protect the engine. Low coolant level sensor warns of low coolant condition to prevent engine damage. Radiator Size by Model: 587: 1330 sq in, 579/367 FEPTO 1325 sq in, 567/365/367: 1440 sq in, 384/386: 1301 sq in, 365 FEPTO: 1184 sq in, 389/367 HH: 1669 sq in, 348: 1000 sq in, 320: 1242 sq in.	0
3291680	S	(1) Air Cleaner Firewall Mounted Molded rubber air intake connections with lined stainless steel clamps seal to prevent contaminants in air intake.	0
3365280	O	Exhaust Single RH Horizontal DPF/SCR RH Under Cab (2017).	-29
3383040	O	DPF Regeneration Switch Remove Stop Position	0
Transmission & Equipment			
4010100	O	Eaton EEO-17F112C12 Automated, Endurant 12-Speed No cooler	0
4211350	O	RPL25 SD Driveline, Without Midship Bearing	0

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Data	Code	Description	Weight
4252190	O	Shifter Plate, PTO Access Hole	0
4252610	S	Column Mounted Shifter RH Side	0

Air & Trailer Equipment

4510320	S	Bendix AD-IS Air Dryer W/Heater And Coalescing Filter	0
4520420	O	Pull Cords All Air Tanks	0
4540420	S	Nylon Chassis Hose	0
4543320	S	Steel Painted Air Tanks All air tanks are steel with painted finish except when Code 4543330 Polish Aluminum Air Tanks is also selected (then exposed air tanks outside the frame rails will be polished aluminum). Peterbilt will determine the optimal size and location of required air tanks. Narratives requesting a specific air tank size or location will not be accepted for factory installation. See ECAT to determine number or location of air tanks installed.	0
4610920	S	Self Returning Brake Hand Valve, With Dash Mounted Controls	0
4611275	O	12' A&E Lines Straight 3 in 1 (2) 7-Way Plugs BOC Socket W/O QCMS2	0
4611590	O	Gladhand, Plug & ISO Holder Mounted BOC/BOS	0
4611660	O	Horizontal A&E Mounting Bar W/ DOUBLE SPRING	4
4612310	O	Locate Gldhnd/Plg Hldr LWR LH ON BOC/BOS OR Extender Brace	0
4613690	O	Additional Cutout For F/O 7-Way Socket On Pogo Bracket	0
4614000	O	A&E Connections BOC/BOS without Hose Tenna	8

Tires & Wheels

5006661	U	FF: CN 16PLY 11R22.5 HSL2 EP	11
5107281	U	RR: CN 14PLY 11R22.5 HDL2	66
5190004	O	Code-rear Tire Qty 04	0
5215051	U	FF: Accur 41644SP 22.5X8.25 Alum	-40
5315051	U	RR: Accur 41644SP 22.5X8.25 Alum Wheel	-80
5390004	O	Code-rear Rim Qty 04	0
5400100	O	Install Allegro V2B Caps	0
5407781	U	FF: Accuride Extra-Polished Wheels	0
5407791	U	RR: Accuride Extra-Polished Wheels, Sin gle Drive	0
5407881	U	FF: Accuride Accu-Shield Outer Surface Only	0
5407891	U	RR: Accuride Accu-Shield Wheels, Single Drive, Outer Surface of Outer Wheel	0

Fuel Tanks

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Data	Code	Description	Weight
5552040	O	26in Aluminum 50 Gal Fuel Tank RH BOC Paddle handle filler cap with threadless filler neck. Top draw fuel plumbing reduces chance of introducing air into the fuel system during low fuel level conditions due to the central placement of fuel pickup tube. Wire braid fuel lines increase durability & reduce potential for leaks.	-2
5554190	O	26 in Aluminum 100 Gallon Fuel Tank LH U/C Includes steps for cab access. Paddle handle filler cap with threadless filler neck. Top draw fuel plumbing reduces chance of introducing air into the fuel system during low fuel level conditions due to the central placement of fuel pickup tube. Wire braid fuel lines increase durability & reduce potential for leaks.	22
5602100	O	Location LH U/C 100 Gallon	0
5603050	O	Location RH BOC 50 Gallon	0
5650310	O	Fuel Tank Fill Center Not available on under cab fuel tanks.	0
5652890	O	DEF Tank Mounted LH BOC Models 210, 220 and 320 mounted LH cab fender. N56510 PREVIOUS CHASSIS 262695	0
5652990	O	Standard DEF To Fuel Ratio 2:1 Or Greater	0
5655019	S	DEF Tank Small	0
Battery Box & Bumper			
6010670	O	Aluminum Space Saver Battery Box LH BOC Battery access from side	-57
6030150	O	Rubber Battery Pad In Bottom Of (1) Battery Box Mat in box that holds batteries only	4
6030560	O	Chain Hanger Mtd RH Side Frame Model 35-5951	13
6030610	U	FULL WIDTH STEP	0
6040550	S	Aftertreatment RH U/C ALUMINUM Non-Slip Cab Entry Step. DPF/SCR for diesel engines, catalyst for natural gas engines. On Models 579 specifying chassis fairings, the box will be aerodynamic.	0
6040690	U	TOW PIN HOLDERS, FRAME MOUNTED	0
6111150	O	Aero Bumper, Molded 3-Piece, Painted Body Color	0
Cab & Equipment			
6515680	O	Aerodynamic 123in BBC Alum Cab & SMC Hood w/ SBFA Hood has stainless steel grill with chrome plated grille surround and Peterbilt bird. Includes anti-blow down hood device.	40
6540160	O	Thermal Insulation Package in Cab Includes thick, closed-cell foam in floor, special mylar-faced foam in walls and roof structure.	2
6540440	O	Key All Units Alike Please add your 4 digit key code number in the key code field.	0

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Prepared by:	Administrator		Version Number:	36.21



Data	Code	Description	Weight
6543037	O	KEY P0688	0
6700000	O	No Sleeper Selected	0
6913280	U	PETERBILT CUSTOM DRIVER SEAT 2.1M CABS N69140 OAR0	0
6923170	O	None Furnished Passenger Seat	-53
6930240	U	DRIVER LUMBAR ADJUSTMENT BACK CYCLER	0
6930580	O	Drivers Armrests - LH & RH Required in Model 587 with Evolution LX seats, optional with Evolution ST and Rolltek Seats.	4
6930800	O	Black Seat Color ipo Standard Color	0
6931120	O	Seat Belt Color Orange IPO Standard Black	0
6933030	U	DRIVER SEAT HEATED/COOLED	4
6939400	S	Air Ride Driver	0
6939420	S	High Back Driver	0
6939450	O	Leather Driver	0
7001520	O	Adjustable Steering Column - Tilt/Telescope	10
7001630	O	Premium Steering Wheel w Multi Function Premium Multi-functional Leather Wrapped Steering Wheel with Peterbilt logo over horn button. Includes audio volume, seek, mute and mode button on LH pod with cruise control on/off/cancel, set/resume and accelerate/coast on the right pod.	5
7001640	O	Rear Wall Notebook/Record Holder Day Cab	2
7037130	S	Prestige Interior - Sterling Gray	0
7210510	O	3-Piece Glass Rear Cab Window, All Pieces Fixed	0
7210540	S	Day Cab Rear Window	0
7230060	S	One Piece Curved Windshield	0
7230360	S	Power Door Locks AND Power Window Lifts Standard	0
7322010	S	Combo Fresh Air Heater/Air Conditioner With radiator mounted condenser, dedicated side window defrosters, Bi-Level Heater/Defroster Controls, 54,500 BTU/HR, and silicone heater hoses.	0
7410040	O	Outside Sunvisor - Stainless Steel Not available with 2.1M high roof sleeper or furnished by owner sleeper.	8
7514010	O	Peterbilt Aero Rear View Mirror, Motorized Includes top mirror with motorized, adjustable dual axis heated glass. Bottom mirror is an integrated convex surface. Includes black textured arms with breakaway feature.	3
7514020	S	Aero Rear View Mirror Housing - Body Color	0
7514050	S	Look Down Mirror Over Passenger Door with Black Housing	0

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Data	Code	Description	Weight
7561320	O	LH/RH Hood Mirrors, Housing and Arm Black Finish Rearward View	10
7610500	S	Air Horn Mounted Under Cab	0
7725710	O	Standard Speaker Package For Cab (2) Speakers	4
7725715	O	ConcertClass Without CD, Includes BT Phone and Audio, AM/FM, WB, USB and MP3.	10
7740150	O	CB Terminal Wiring, Microphone Clip, Speaker F/O CB radio mounted center of header. Select antenna separately.	3
7748740	O	(2) Antennas For Factory Installed or F/O CB Mounted RH/LH side of roof, with antenna cables	2
7788055	S	SmartLINQ Remote Diagnostics SmartLINQ is Peterbilt's proprietary remote diagnostics service which monitors the engine and aftertreatment for diagnostic codes providing real-time code analysis maximizing vehicle uptime and strengthening the fleets partnership with their dealer. SmartLINQ provides fault coverage for over 800 codes, a customizable email notification for 116 codes plus a web portal to manage your entire fleet included at no additional charge. SmartLINQ is compatible with any telematics system and doesn't require a specific fleet management system. For those whose customers utilize PeopleNet, the pre-wire with remote diagnostics will provide a more integrated solution utilizing the existing SmartLINQ modem. For those whose customers utilize other fleet services products, the existing pre-wire option for the other fleet service devices will continue to be available.. SmartLINQ is standard with MX-13 engines and available on the models 587,579,567,389,367 and 365.	0
7789900	O	Wiring Provisions For F/O ELD Telematics Includes 9-pin conn w/J1939, power and ground.	0
7851040	O	Removable Bugscreen Behind Grille	2
7851480	S	Peterbilt Electric Windshield Wipers With Intermittent Feature.	0
7852020	O	Cab Air Suspension	15
7852050	O	Auto Reset Circuit Protection Daycab and Sleeper	0
7871160	U	BRACKETS ONLY F/O ROOF FAIRING	33
7900090	O	Triangle Reflector Kit Shipped Loose	13
7900310	O	Fire Extinguisher; Mounted Outboard Driver Seat Hazmat approval UL listed/rated ABC.	8
7900425	O	Program: Back-Up And Audible Alarms Park brake not set with door open.	0
7901130	O	Backup Alarm (107dB)	3

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Data	Code	Description	Weight
8071890	S	Main Instrument Panel Includes Driver Information Display and Instrument Package With Speedometer, Tachometer, Fuel Level Gauge, Engine Oil Pressure, Engine Coolant Temperature, (2) Air Pressure, DEF Level Gauge. With Gas Engines, DEF Level Gauge will be replaced with Brake Application Gauge.	0
8072460	O	Omit Fan Clutch Override Switch	0
8111110	S	Headlights Composite Fender Mounted Integral park, turn, and side marker	0
8120990	S	(5) Marker Lights, Aero LED On roof, visor, or fairing.	0
8131560	O	(2) Peterbilt Fog Lights Recessed in bumper	6
8132570	O	Additional Wire For F/O Fairing/Ad Light F/O light wired to clearance light switch	0
8133960	S	Daytime Running Lights Required on all Canadian vehicles	0
8140080	O	LED Stop/Turn/Tail/Backup Bracket mounted LH/RH EOF	2
8140650	O	Peterbilt Signature Door Light Turn Signal	0
8151190	O	(2) Load Lights, LED, Flush Mounted Low Inboard BOC/BOS	4
Paint			
8500710	O	Standard Paint Color Selection	0
8530770	S	(1) Color Axalta Two Stage - Cab/Hood Base Coat/Clear Coat N85020 A - M1001EY GREEN N85400 HOOD TOP M1001EY GREEN N85500 CAB ROOF M1001EY GREEN N85200 FRAME N0001EA BLACK N85700 BUMPER M1001EY GREEN N85300 FENDER M1001EY GREEN	0
8531320	O	Axalta Two Stage Effect - Metallic/Pearl Cab/Hood & Sleeper Only	0
Options Not Subject To Discount			
9400090	S	Peterbilt Class 8 Standard Coverage 1 year/100,000 Miles (160,000 km)	0
9408938	U	PDI AT LARSON GROUP PDI CENTER N94040 OARO	0
Miscellaneous			
9409001	O	Day Cab / Prestige Interior (DM)	0
9409800	O	2017 EPA Emissions Engine Warranty Only	0

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Data	Code	Description	Weight
Total Weight			13388

Prices and Specifications Subject to Change Without Notice.

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ATTACHMENT D-5

VENDOR ESTIMATE FOR SYSCO LEASING, LLC



RH613 6x4

Sales Proposal For:
SYSCO FOODS

Presented By:
SANTEX TRUCK CENTERS, LTD.

Prepared For:
SYSCO FOODS
Purchasing Dept
1390 Enclave Pkwy.
Houston, TX 77077-2025
(512)389 - 1111
Reference ID: FY20

Presented By:
SANTEX TRUCK CENTERS, LTD.
Todd Bauserman
1380 ACKERMAN RD.
SAN ANTONIO TX 78219 -
(210)661-8371

Model Profile
2020 RH613 6x4 (RH61F)

APPLICATION: General Freight Regional Haul 6x2/6x4 (DayCab)
MISSION: Requested GCWR: 80000. Calc. GVWR: 52000
 Calc. Start / Grade Ability: 18.39% / 1.21% @ 55 MPH
 Calc. Geared Speed: 89.9 MPH

DIMENSION: Wheelbase: 187.00, CA: 124.20, Axle to Frame: 57.00
ENGINE, DIESEL: {International A26} EPA 2017, 410HP @ 1700 RPM, 1450 lb-ft Torque @ 1000 RPM, 1800 RPM Governed Speed, 410 Peak HP (Max)
TRANSMISSION, MANUAL: {Eaton Endurant EEO-14F112C} 12-Speed Fully Automated Manual, Aluminum Clutch Housing, Overdrive, Mechatronic Shift Controls, Pneumatic Clutch Actuation, Internal Lube Oil Pump, Hill Start Aid
CLUTCH: {Eaton Fuller 430MM} Maintenance Free; Single Plate Diaphragm Spring, Organic, (430 mm) 17" Diameter, 5-Spring Coaxial Design with Pre-Damper, with 2.00" 18 Tooth Spline, Non-Adjustable, (2508 Nm) 1850 lb-ft Capacity
AXLE, FRONT NON-DRIVING: {Hendrickson Steertek IADB} Wide Track, Fabricated Type, 12,000-lb Capacity, with Integrated Air Disc Brake Knuckle
AXLE, REAR, TANDEM: {Meritor MT-40-14X-4CFR} Single Reduction, Amboid Gearing in Rear-Rear Axle, 40,000-lb Capacity, .433"(11mm) Wall Housing Thickness, R Wheel Ends Gear Ratio: 3.08
CAB: Conventional, Day Cab
TIRE, FRONT: (2) 295/75R22.5 Load Range G CROSSTRAC HA3 (CONTINENTAL), 514 rev/mile, 75 MPH, All-Position
TIRE, REAR: (8) 295/75R22.5 Load Range G HDL2 (CONTINENTAL), 511 rev/mile, 75 MPH, Drive
SUSPENSION, REAR, AIR, TANDEM: {International} Ride Optimized Suspension (IROS), 40,000-lb Capacity, 52" Axle Spacing, 9.25" Ride Height, with Shock Absorbers
PAINT: Cab schematic 100HW
 Location 1: 9219, Winter White (Std)
 Chassis schematic N/A

<u>Code</u>	<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
RH61F00	Base Chassis, Model RH613 6x4 with 187.00 Wheelbase, 124.20 CA, and 57.00 Axle to Frame.	8198/6464	14662
1570	TOW HOOK, FRONT (2) Frame Mounted	22/0	22
1616	FRAME RAILS WITH TAPERED REAR	0/0	0
1CBV	FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.125" x 3.580" x 0.312" (257.2mm x 90.9mm x 8.0mm); 367.4" (9333mm) Maximum OAL	27/41	68
1MBS	BUMPER, FRONT Contoured, Aluminum, Stainless Steel Clad, with Black Plastic Filler Panels, Less Valance Panel for Increased Ground Clearance	3/0	3
1WKK	WHEELBASE RANGE 187" (475cm) Through and Including 219" (555cm)	0/0	0
1WLS	DECK PLATE Aluminum, (2) Sections, Flush Mounted	2/14	16
1WRK	PINTLE HOOK {Holland PH-30RP41} Rear, U-Bolts, Standard Position	0/11	11
2AVG	AXLE, FRONT NON-DRIVING {Hendrickson Steertek IADB} Wide Track, Fabricated Type, 12,000-lb Capacity, with Integrated Air Disc Brake Knuckle	-12/0	-12
3ADC	SUSPENSION, FRONT, SPRING Parabolic Taper Leaf, Shackle Type, 12,000-lb Capacity, with Shock Absorbers	0/0	0
	<u>Includes</u> : SPRING PINS Rubber Bushings, Maintenance-Free		
4092	BRAKE SYSTEM, AIR Dual System for Tractor Applications	0/0	0
	<u>Includes</u> : BRAKE LINES Color and Size Coded Nylon : BRAKE PRESSURE INDICATOR Low Air Pressure Warning Light and Audible Alarm : DRAIN VALVE Manually Operated (On Wet Tank Only) : GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster : GLAD HANDS (2) One for Service and One for Emergency; Trailer Hoses from Cab : HAND CONTROL VALVE, AIR with Self Return Handle, for Trailer Brakes : HOSE TENDER Back of Cab Mounted : PARKING BRAKE CONTROL Yellow and Red Knobs, Located on Instrument Panel : PARKING BRAKE VALVE Combination Valve for Tractor and Trailer : QUICK RELEASE VALVE On Rear Axle for Spring Brake Release: 1 for Forward Rear Axle : SLACK ADJUSTERS, FRONT Automatic (with Air Cam Brakes) : SLACK ADJUSTERS, REAR Automatic (with Air Cam Brakes) : TRACTOR PROTECTION VALVE : TRAILER HOSES AND CABLES 15' Coiled Lighting Cable with 7-Way Connector and with 15' Coiled Nylon Brake Hose		
4AZS	AIR BRAKE ABS {Bendix AntiLock Brake System} with Electronic Stability Program (4-Channel; 4 Sensor/4 Modulator) with Automatic Traction Control	0/0	0
4EDJ	AIR DRYER {Bendix AD-IS} with Heater, Includes Pressure Protection Circuits, Safety Valve, Integral Purge Tank, Integrated PuraGuard Coalescing Filtration	-6/-7	-13
4JBZ	BRAKES, FRONT, AIR DISC 22.5 Dia, Includes 18" Sq. In. Brake Chambers	28/0	28
4JCC	BRAKES, REAR, AIR DISC 22.5 Dia, Includes 18/24" Sq. In. Brake Chambers	0/-53	-53
4SPM	AIR COMPRESSOR {Bendix BA-921 Head Unload} 15.9 CFM	0/0	0

<u>Code</u>	<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
4UKP	AIR TANK, AUXILIARY for Transmission Air Supply, Frame Mounted Under Right Rail, Under Cab	19/5	24
4VHW	AIR TANK LOCATION (2) Mounted Under Battery Box, Outside Left Rail, Under Cab; Perpendicular to Rail	0/0	0
4WEY	BRAKE PACKAGE, REAR {Bendix Spicer ADB22X} Air, Disc Type, Extended Service; Size 22.5"	0/0	0
4WEZ	BRAKE PACKAGE, FRONT {Bendix Spicer ADB22X} Air, Disc Type, Extended Service; Size 22.5"	0/0	0
4WXR	DRAIN VALVE (2) {Berg} with Pull Chains, for Air Tanks	2/0	2
4WZZ	TRAILER HOSES AND CABLES Straight, 3 IN 1, Rubber Hose, 12' Working Length, 15' Lighting Cable, Anodized Glad Hands with Polyurethane Seals and Rubber Hand Holds, Lighting Cable with Quick Change Plug	0/0	0
4XBW	HOSE TENDER EZ Claw Mounting Brackets, for EZ Claw Assembly to be Installed at TSC	6/2	8
5710	STEERING COLUMN Tilting and Telescoping	0/0	0
5CAW	STEERING WHEEL 4-Spoke; 18" Dia., Black	0/0	0
5PSM	STEERING GEAR {Sheppard HD94} Power	0/0	0
5WAJ	POWER STEERING OIL COOLER Remote Mounted	7/-1	6
6DDP	DRIVESHAFT SYSTEM {Meritor} RPL25 Mainshaft and RPL20 Interaxle Shaft in Lieu of Dana 1810 Mainshaft and 1710 Interaxle	0/0	0
7BEU	AFTERTREATMENT COVER Aluminum	8/3	11
7BKP	EXHAUST SYSTEM Single, Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab, for Single Short Horizontal Tail Pipe, Frame Mounted Right Side Back of Cab	0/0	0
7SDK	ENGINE COMPRESSION BRAKE by Jacobs; for N13/A26 Engines, with Selector Switch and On/Off Switch	0/0	0
7WDR	TAIL PIPE (1) Horizontal, Short, with Heat Diffuser	0/0	0
8000	ELECTRICAL SYSTEM 12-Volt, Standard Equipment	0/0	0

Includes

- : DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab
- : HAZARD SWITCH Push On/Push Off, Located on Instrument Panel to Right of Steering Wheel
- : HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever
- : HORN, ELECTRIC Single
- : PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light
- : POWER SOURCE Cigar Type Receptacle with Cap, USB Port, Located in Instrument Panel
- : STARTER SWITCH Electric, Key Operated
- : TURN SIGNAL SWITCH Manual Cancelling with Lane Change Feature
- : TURN SIGNALS, FRONT Includes Reflectors and Auxiliary Side Turn Signals, Solid State Flashers; Flush Mounted
- : WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever
- : WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted
- : WIRING, CHASSIS Color Coded and Continuously Numbered

<u>Code</u>	<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
8541	HORN, ELECTRIC (2) Disc Style	0/0	0
8GHY	ALTERNATOR {Delco Remy 38SI} Brushless, 12 Volt 215 Amp. Capacity, Pad Mount, with Remote Voltage Sensor	10/0	10
8NBJ	BATTERY SYSTEM {JCI} Maintenance-Free, (4) 12-Volt 2800CCA Total, Top Threaded Stud	75/15	90
8RJW	CB RADIO Omit; Wiring, Power Feeds, Power Source,	0/0	0
8RMR	RADIO AM/FM/CD/WB/Clock/3.5MM Auxiliary Input	0/0	0
8RMV	SPEAKERS (2) 6.5" Dual Cone Mounted in Doors	0/0	0
8THB	BACK-UP ALARM Electric, 102 dBA	0/3	3
8TKJ	STOP, TURN, TAIL & B/U LIGHTS {Truck Lite} Super 44, with LED Lights for Stop, Turn, Tail and Backup Lights, with Power Module, "International" Termination and Less Junction Box, Includes License Plate Light	-7/19	12
8TMN	TRAILER CONNECTION SOCKET {Phillips STA-DRY} (2) 7-Way; (1) Equipped with ABS Feed Mounted at Back of Cab, (1) Mounted at End of Frame	2/5	7
8TPU	COLLISION MITIGATION SYSTEM {Bendix Wingman Fusion} Adaptive Cruise Control w/Collision Mitigation & Stationary Vehicle Braking, Stationary Object Alert, Lane Departure Warning, Overspeed Alert & Action; Includes Front Radar & Camera, Driver Display, Lane Departure Warning Switch & Speakers; Safety Direct Capability, less Safety Direct Cable	0/0	0
8WAA	LIGHT, WORK {Truck Lite 81 Series} LED, Pedestal Mounted BOC with Switch on Instrument Panel	4/1	5
8WBW	JUMP START STUD Remote Mounted <u>Includes</u> : JUMP START STUD Mounted to Battery Box	2/0	2
8WGU	BATTERY BOX COVER Aluminum	11/7	18
8WJV	BATTERY DISCONNECT SWITCH {Joseph Pollak} for Cab Power Disconnect Switch; Lever Operated, Disconnects Power to PDC, Does Not Disconnect Charging Circuits, Cab Mounted	4/0	4
8WNH	RUNNING LIGHT (2) Daytime	0/0	0
8WPZ	TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights	0/0	0
8WRB	HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on	0/0	0
8WXB	HEADLIGHT WARNING BUZZER Sounds When Head Light Switch is on and Ignition Switch is in "Off" Position	0/0	0
8WXC	STARTING MOTOR {Mitsubishi Electric Automotive America 105P} 12-Volt, with Soft-Start	0/0	0
8XAH	CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III with Trip Indicators, Replaces All Fuses	0/0	0
8XDP	HEADLIGHTS Halogen, with Park Lights and Daytime Running Lights	-15/2	-13
8XHK	BATTERY BOX Aluminum, 30" Wide, 2-4 Battery Capacity, Mounted Left Side Under Cab	-33/-11	-44

<u>Code</u>	<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
8XHN	HORN, AIR Black, Single Trumpet, with Lanyard Pull Cord	0/0	0
8XHX	SWITCH, MARKER INTERRUPT for Marker Lights and Headlights, Located in Steering Wheel	0/0	0
8XJC	BATTERY WIRING MODIFICATION Battery Discharge Protection System; Control thru Body Controller	0/0	0
8XKR	POWER SOURCE, ADDITIONAL Two Auxiliary Power Outlets (APO) and Two USB Ports, Located in the Instrument Panel	0/0	0
9AAB	LOGOS EXTERIOR Model Badges	0/0	0
9AAE	LOGOS EXTERIOR, ENGINE Badges	0/0	0
9HAD	GRILLE Chrome	0/0	0
9WAY	FRONT END Tilting, Fiberglass, with Three Piece Construction	0/0	0
	<u>Includes</u> : BUG SCREEN Front End; Mounted Behind Grille : HOOD TILT ASSIST Includes Torsion Bar Spring System		
9WBN	FENDER EXTENSIONS Painted	0/0	0
10060	PAINT SCHEMATIC, PT-1 Single Color, Design 100	0/0	0
	<u>Includes</u> : PAINT SCHEMATIC ID LETTERS "HW"		
10761	PAINT TYPE Base Coat/Clear Coat, 1-2 Tone	0/0	0
10943	KEYS - ALL ALIKE Fleet - Includes Ignition and Cab Door Keys	0/0	0
10ADT	COMMUNICATIONS MODULE Telematics Device with Over the Air Programming	1/0	1
10HHT	FIFTH WHEEL, AIR SLIDE {Fontaine SL6LWB725024} 24" Slide, 7.25" Above Top of Frame, Left Hand Release	0/70	70
10WCY	SAFETY TRIANGLES	0/0	0
10WGA	STRAP, GROUND FIFTH WHEEL (1)	0/0	0
10WKK	KEYS - ALL ALIKE, ID I-0608 Compatible with Z-100	0/0	0
10WRL	MUD FLAP HOLDER {Betts B-87} .750" Square, with 45-Degree End, with Aluminum Plate with Red and White Reflective Tape and Less Flaps	0/0	0
10WRW	MUD FLAPS, REAR Black Rubber, 24"x 30", with Cut Corner, Less Logo, with Anti-Sail and Anti-Spray, Frame Mounted Behind Rear Wheels	0/8	8
10WTR	QUARTER FENDERS for Rear Wheels, Black Plastic; Frame Mounted	0/18	18
11MHM	CLUTCH {Eaton Fuller 430MM} Maintenance Free; Single Plate Diaphragm Spring, Organic, (430 mm) 17" Diameter, 5-Spring Coaxial Design with Pre-Damper, with 2.00" 18 Tooth Spline, Non-Adjustable, (2508 Nm) 1850 lb-ft Capacity	-28/-4	-32
12703	ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection	0/0	0
12BDM	ENGINE, DIESEL {International A26} EPA 2017, 410HP @ 1700 RPM, 1450 lb-ft Torque @ 1000 RPM, 1800 RPM Governed Speed, 410 Peak HP (Max)	0/0	0
12THT	FAN DRIVE {Horton Drivemaster} Direct Drive Type, Two Speed with Residual Torque Device for Disengaged Fan Speed	2/0	2

<u>Code</u>	<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
12VBC	AIR CLEANER Single Element <u>Includes</u> : GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted	0/0	0
12VHC	FEDERAL EMISSIONS {International A26} EPA, OBD and GHG Certified for Calendar Year 2019	0/0	0
12WCX	HOSE CLAMPS, RADIATOR HOSES {Gates} Shrink Band Type	0/0	0
12WEG	COLD STARTING EQUIPMENT Automatic; with Engine ECM Control	0/0	0
12WTB	ENGINE OIL RECOVERY SYSTEM with Aeroquip #12 Hose Fitting, Number 5602-12-12S	0/0	0
12WYZ	RADIATOR DRAIN & FILL FITTING SPECIAL; To Vacuum Out or Fill the Cooling System from the Bottom of Radiator, for Use with Quick-Connect Radiator Drain Tool or Shop Coolant Evacuation-Fill System	0/0	0
12WZJ	EMISSION COMPLIANCE Low NOx Idle Engine, Complies with California Clean Air Regulations; Includes "Certified Clean Idle" Decal located on Driver Door	0/0	0
12XBC	RADIATOR Aluminum; Welded, Down Flow System, Front to Back, 1325 SqIn, 806 SqIn CAC	0/0	0
12XBT	BLOCK HEATER, ENGINE {Phillips} 120V/1150W, Block and 120V/300W Oil Pan Heater with "Y" Cord from Socket to Operate both Heaters, Socket mounted in Standard Location <u>Includes</u> : BLOCK HEATER SOCKET Receptacle Type; Mounted below Drivers Door	0/0	0
13GYY	TRANSMISSION, MANUAL {Eaton Endurant EEO-14F112C} 12-Speed Fully Automated Manual, Aluminum Clutch Housing, Overdrive, Mechatronic Shift Controls, Pneumatic Clutch Actuation, Internal Lube Oil Pump, Hill Start Aid	7/1	8
13WLW	TRANSMISSION OIL {EmGard 40W} Synthetic; 1 thru 21.99 Pints	0/0	0
13XAN	PTO LOCATION Customer Does Not Intend to Install PTO	0/0	0
13XAX	SHIFT CONTROL PARAMETERS {Eaton Endurant} Automated Manual Transmission, Economy Calibration	0/0	0
14899	SUSPENSION AIR CONTROL VALVE Pressure Release Control In Cab	4/4	8
14GVE	AXLE, REAR, TANDEM {Meritor MT-40-14X-4CFR} Single Reduction, Amboid Gearing in Rear-Rear Axle, 40,000-lb Capacity, .433"(11mm) Wall Housing Thickness, R Wheel Ends . Gear Ratio: 3.08 <u>Includes</u> : POWER DIVIDER LOCK Electric over Air Operated, Cab Control with Indicator Light	0/39	39
14UPZ	SUSPENSION, REAR, AIR, TANDEM {International} Ride Optimized Suspension (IROS), 40,000-lb Capacity, 52" Axle Spacing, 9.25" Ride Height, with Shock Absorbers	0/0	0
14WMJ	AXLE, REAR, LUBE {EmGard FE-75W-90} Synthetic Oil; 50 thru 64.99 Pints	0/0	0
15960	FUEL TANK STRAPS Bright Finish Stainless Steel, for Dual Fuel Tanks	0/0	0
15BAA	DEF TANK COVER Stainless Steel	3/1	4

<u>Code</u>	<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
15EAT	FUEL TANK (2) Top Draw, Non-Polished Aluminum, 26" Dia, 80 US Gal (303L) Left Side; 100 US Gal (379L) Right Side; Total Capacity 180 US Gal (682L), Mounted Left and Right Side, Back of Cab/Under Sleeper	128/116	244
15LKX	FUEL/WATER SEPARATOR {Davco Fuel Pro 382} 12 VDC Electric Heater, Includes Pre-Heater, Includes Water-in-Fuel Sensor <u>Includes</u> : LOCATION FUEL/WATER SEPARATOR Mounted Left Rail in Wheel Well	2/0	2
15WDN	DEF TANK 15.9 US Gal (60L) Capacity, Frame Mounted Outside Left Rail, Back of Cab/Under Sleeper	3/1	4
15WHD	ANTI-SIPHON DEVICE (2) Snap-In Type, Zinc Plated Steel, for Dual Fuel Tanks; for Cylindrical Fuel Tanks	3/0	3
16030	CAB Conventional, Day Cab <u>Includes</u> : CLEARANCE/MARKER LIGHTS (5) Flush Mounted : COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window : CONSOLE, CENTER Includes Two Cup Holders and One Additional Storage Area : COURTESY LIGHT (2) Driver and Passenger Door Mounted : DOME LIGHT, CAB Rectangular, Door and Instrument Panel Mounted Switch Activated, Timed Theater Dimming, Center Mounted, Integral to Console : FLOOR COVERING Rubber, Black : GLASS, ALL WINDOWS Tinted : GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side : GRAB HANDLE, CAB INTERIOR (4) "B" Pillar and Door Mounted, Two Each Side : INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior Color : READING LIGHT, CAB Located in Overhead Console : STORAGE POCKET, DOOR (2) Full Length, Driver and Passenger Door	0/0	0
16635	CAB SIDE EXTENDERS (FAIRINGS) with Integral Grab Handle Left Side	27/8	35
16973	MOUNTING BRACKETS For Customer Mounted Air Deflector; Less Roof Air Deflector	10/0	10
16BAM	AIR CONDITIONER with Integral Heater & Defroster <u>Includes</u> : HOSE CLAMPS, HEATER HOSE Mubea Constant Tension Clamps	0/0	0
16DAP	CAB INTERIOR TRIM ACCENT Seat Fabric, Black	0/0	0
16GDG	GAUGE CLUSTER Premium Level; English with English Speedometer and Tachometer, for Air Brake Chassis, Includes Engine Coolant Temperature, Primary and Secondary Air Pressure, Fuel and DEF Gauges, Oil Pressure Gauge, Includes 5 Inch LCD Color Display <u>Includes</u> : GAUGE CLUSTER DISPLAY, Odometer, Voltmeter, Diagnostic Messages, Gear Indicator, Trip Odometer, Total Engine Hours, Trip Hours, MPG, Distance to Empty/ Refill for Fuel/DEF, DPF Level	0/0	0
16HCS	GAUGE, TEMPERATURE, AMBIENT Sensor Wiring with Display Unit Mounted in Cluster	0/0	0
16HKE	GAUGE, LOAD INDICATING REAR Text Message in Cluster Display, for use with Rear Air Suspension	0/0	0

<u>Code</u>	<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
16HKT	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster	0/0	0
16JCJ	SEAT, DRIVER {National Model HP} Air Suspension, High Back, Mordura Cloth, 2 Arm Rests, Isolator, 3-14 Degree Back Recline, 3 Chamber Air Lumbar, 23" Wide Cushion, 6 Position Front Cushion Adjust, 3 Position Rear Cushion Adjust, Bellows	3/0	3
16REM	SEAT, PASSENGER {National 2000} Non Suspension, High Back, Mordura Cloth, 2 Arm Rests 11 Degree Back Angle	0/0	0
16SNH	MIRROR, CONVEX, HOOD MOUNTED Right and Left Sides, Bright	12/-1	11
16SNU	MIRRORS (2) Aero; Pedestal, Power Adjust, Heated Heads, Bright Finish Heads, Black Arms, 6.3" x 13.82" Flat Glass, 6.38" x 6.18" Convex Glass Both Sides	9/0	9
16VCC	SEAT BELT All Orange; 1 to 3	0/0	0
16VKB	CAB INTERIOR TRIM Classic, for Day Cab	0/0	0
	<u>Includes</u> : DOOR TRIM, INTERIOR Black Handle : INSTRUMENT PANEL TRIM Black, Black Gauges with Black Bezels : SUN VISOR (2) Padded Vinyl; 2 Moveable (Front-to-Side) Primary Visors, Driver Side with Toll Ticket Strap		
16WJU	WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature	5/0	5
16XCM	CAB DOOR LOCKS Power, Driver Side Only; Non-Locking When Door Open	0/0	0
16XDC	TELEMATICS BRACKET (2) with Universal Mount, 1" Ball Mount Size, One for Customer Supplied Telematics Device, Mounted to Side Wing Panel, One Mounted to Plate, Flush Mounted, Upper Left Corner on Front Face of the Wing Panel	3/0	3
16XJP	INSTRUMENT PANEL Wing Panel	0/0	0
16XWW	SUNSHADE, EXTERIOR Aerodynamic, Painted Roof Color; Includes Integral LED Clearance/Marker Lights	16/1	17
16ZHL	ACCESS, CAB AND FRAME Aluminum, Driver & Passenger Sides, Two Steps per Door; Left Side Frame Access Step, Includes One Flush Mounted Deck Plate and Black Grab Handle, for use with Day Cab or Sleeper Cab	40/21	61
27DUZ	WHEELS, FRONT {Accuride 51487} DISC; 22.5x8.25 Rims, Powder Coat Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Aluminum Hubs	-28/0	-28
28DUZ	WHEELS, REAR {Accuride 51487} DUAL DISC; 22.5x8.25 Rims, Powder Coat Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Aluminum Hubs	0/-57	-57
29ACD	TIRE VALVE CAP Flo-Thru Design	0/0	0
29SAJ	HUB CAPS (2) {Stemco} Front with Oversize Opening.	0/0	0
29WLK	WHEEL BEARING, FRONT, LUBE {EmGard FE-75W-90} Synthetic Oil	0/0	0
35864	PAINT FENDER EXTENSIONS Single Color; Same as Number One Cab Schematic Color	0/0	0
7702495432	(8) TIRE, REAR 295/75R22.5 Load Range G HDL2 (CONTINENTAL), 511 rev/mile, 75 MPH, Drive	0/16	16

<u>Code</u>	<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
7702495436	(2) TIRE, FRONT 295/75R22.5 Load Range G CROSSTRAC HA3 (CONTINENTAL), 514 rev/mile, 75 MPH, All-Position	2/0	2
810000	FIFTH WHEEL LOCATION On Rear Axle Centerline	0/0	0
Services Section:			
40125	WARRANTY Standard for LT/RH Series, Effective with Vehicles Built January 2, 2016 or Later, CTS-2010A	0/0	0
Total Component Weight:		8581/6762	15343

The weight calculations included in this proposal are an estimate of future vehicle weight. The actual weight as manufactured may be different from the estimated weight. Navistar, Inc. shall not be liable for any consequences resulting from any differences between the estimated weight of a vehicle and the actual weight.

(US DOLLAR)

Description

Price

Net Sales Price:

\$105,000.00

Approved by Seller:

Accepted by Purchaser:

Official Title and Date

Firm or Business Name

Authorized Signature

Authorized Signature and Date

**This proposal is not binding upon the seller without
Seller's Authorized Signature**

Official Title and Date

The TOPS FET calculation is an estimate for reference purposes only. The seller or retailer is responsible for calculating and reporting/paying appropriate FET to the IRS.

The limited warranties applicable to the vehicles described herein are Navistar, Inc.'s standard printed warranties which are incorporated herein by reference and to which you have been provided a copy and hereby agree to their terms and conditions.

ATTACHMENT D-6

VENDOR ESTIMATE FOR USA HAULING & RECYCLING

Sanitary Equipment Company Inc.

"Do It Right The First Time"

25 Industry Drive / PO Box 26006
 West Haven, CT. 06516
 Phone 203-933-9599 Fax 203-933-4271
 www.sanitaryequipment.com

QUOTE

Date: February 7, 2019

Doug Gregory (2)
 Phone 203-627-0617
 doug@sanitaryequipment.com
 Ref #

Quote for:
 Mr. Eric Fredericksen
 USA Hauling & Recycling
 15 Mullen Road
 East Windsor, CT. 06082

QUOTE 1A

Subject:
 Wet Line Kit Installation

Line	QTY	DESCRIPTION	EA	AMOUNT
1.)	1.00	Installation of Wet Line Kit	\$7,922.00	\$7,922.00
2.)	1.00	Installation of Kit		
3.)	1.00	All Mounting Brackets for Pump and Hydraulic Oil Tank		
4.)	1.00	New 35 GPM Commercial Hydraulic Oil Pump		
5.)	1.00	Air Shift PTO for Standard Transmission		
6.)	1.00	High Flow Quick Disconnect (Wing Type)		
7.)	1.00	90 Gallon Hydraulic Oil Tank and Filter Assembly		
8.)	90.00	Gallons of Hydraulic Oil		
9.)	1.00	Freight Included		
10.)				
11.)				
12.)				
13.)				
14.)				
15.)				
16.)				
17.)				
18.)				
19.)				
20.)				
21.)				
22.)				
23.)				
24.)				
		** OPTIONS AVAILABLE **		
	QTY	Unless a QTY is entered on the left, the items below are an ADDITIONAL COST		
25.)				
26.)				
27.)				
28.)				
29.)				

SUBTOTAL w/ SELECTED OPTIONS \$ 7,922.00

TAX RATE 12.00%

SALES TAX \$ 950.64

12% FET TAX \$ -

FREIGHT \$ -

TOTAL \$ 8,872.64

QUOTE NOTES:

Thank You for the Opportunity to Quote our Products and Services

If This proposal is Accepted Please Sign Below and Fax Back

Accepted By: _____ Company: _____ Date: _____

Thank you, for the opportunity to quote you on your service needs



GABRIELLI TRUCK SALES



153 - 20 SOUTH CONDUIT AVE.
 JAMAICA, N.Y. 11435
 SALES 1 - 718 - 977 - 7348
 FAX 718 - 977 - 0172

3200 HORSEBLOCK ROAD
 MEDFORD, N.Y. 11763
 SALES 1 - 631 - 758 - 6200
 FAX 631 - 758 - 6337

Invoice# **NY10133**

THIS AGREEMENT IS NOT BINDING UNLESS SIGNED BY THE SELLER, BUYER AND MANAGEMENT.

BUYER KR Leasing LLC SALESPERSON T Jennings
 STREET 15 Mullen Road PHONE NO. 860-883-1691
 CITY Avonfield ST CT ZIP 06082 EMAIL GJRoberts1@cox.net
(RESIDENCE) (BUSINESS)

THE TRANSACTION

I ORDER AND AGREE TO PURCHASE FROM YOU, ON THE TERMS CONTAINED ON BOTH SIDES OF THIS AGREEMENT, THE FOLLOWING VEHICLE:
 (READ OTHER SIDE)

THE VEHICLE

YEAR <u>2020</u>	<input checked="" type="checkbox"/> NEW <input type="checkbox"/> USED <input type="checkbox"/> DEMONSTRATOR	MAKE <u>Kenworth</u>	MODEL <u>T880</u>	STOCK #
TYPE <u>Tractor</u>	COLOR <u>White</u>	BODY <u>Day Cab</u>	V.I.N.	

"NOTICE TO CONSUMER: IF THE VEHICLE IS NOT DELIVERED IN ACCORDANCE WITH THIS AGREEMENT WITHIN 30 DAYS AFTER THE ESTIMATED DELIVERY DATE AND THE DELAY IS NOT ATTRIBUTABLE TO YOU, YOU HAVE THE RIGHT TO CANCEL THIS AGREEMENT AND TO RECEIVE A FULL REFUND OF YOUR DEPOSIT."

USED VEHICLE DISCLOSURE STATEMENT - THE INFORMATION BUYER SEES ON THE F.T.C. WINDOW FORM FOR THIS VEHICLE IS PART OF THIS CONTRACT. INFORMATION ON THE WINDOW FORM OVERRIDES ANY CONTRARY PROVISIONS IN THE CONTRACT OF SALE.

PRIOR USE CERTIFICATION (required by Vehicle and Traffic Law 417-A if principal prior use of the vehicle were as a police vehicle, taxicab, driver education vehicle or rental vehicle). The principal prior use of this vehicle was as: a police vehicle _____, a taxicab _____, a driver education vehicle _____, or a rental vehicle _____.

THE PRICE

VEHICLE PRICE <u>7-Units</u>	(+)	<u>1,258,304.32</u>			
TRANSPORTATION (IF NOT INCLUDED IN VEHICLE PRICE)	(+)				
FACTORY INSTALLED EQUIPMENT	(+)				
<u>As Per Quote # Q65050012</u>					
<u>Agility Quote # 111442</u>					
<u>No Aux Side Fmm</u>					
<u>\$179,757.76 Each</u>					
<u>incl FET.</u>					
<u>\$160,498. - + FET (12%)</u>					
			DEALER INSTALLED EQUIPMENT AND SERVICES	(+)	
				TOTAL	\$ 1,258,304.32

THE TRADE-IN

YEAR	MILEAGE	MAKE	MODEL	COLOR	LESS TRADE-IN CREDIT (-) (BUYER SEE 1 AND 6(b) ON BACK)
PLATE NO.	EXP. DATE	V.I.N.			
TRADE-IN IS CLEAR OF ALL LIENS EXCEPT				AMOUNT OWED	\$
					CASH PRICE

TAXES AND OTHER FEES

SALES TAX	% (+)
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PETERBILT OF CONNECTICUT, INC.

206 MEADOW LANE

BERLIN, CONNECTICUT 06037

Berlin: (860) 828-4125 Direct Parts: (860) 828-8229

Fax: (860) 828-1435 Parts Fax: (860) 828-1376

www.peterbiltofct.com



Date 2-11-2019

Salesperson Jon Kirkpatrick

Bus. Phone 860 746 3200

Purchaser's Name KR Leasing LLC Phone _____

Address 15 Mullen Rd City Enfield State CT Zip 06082

Please Enter My Order For USED DEMONSTRATOR NEW 2020 Peterbilt (YEAR & MAKE)
Trim Pebble Color White Stock No. 780
(MODEL) (CYL) To Be Delivered On Or About ASAP

Ident. No. 780 SOCIAL SECURITY # _____ DATE OF BIRTH _____

THE MILEAGE AS SHOWN ON THE ODOMETER OF THE MOTOR VEHICLE TO BE PURCHASED IS:

FILL OUT THIS SECTION IF USED CAR OR TRUCK IS TO BE TRADED IN AS PART PAYMENT AND DO WARRANT THE TITLE THERETO TO BE FREE AND CLEAR, EXCEPT FOR THE UNPAID BALANCE, AS SHOWN, AND TO THE BEST OF MY KNOWLEDGE, I THE UNDERSIGNED, STATE THAT THE MILEAGE AS SHOWN ON THE ODOMETER IS THE ACTUAL MILEAGE WHICH THE CAR HAS BEEN DRIVEN.

Make & Year Of Used	Car Truck	Reg. No.
Model	Cyl.	Body Type
Ident. No.		Title No.
Allowance \$		Balance Owed \$
To Whom Owed		
Net Allowance	\$	

SELLING PRICE OF CAR OR TRUCK	151,074.00
EXTRA OR OPTIONAL EQUIPMENT	
Price is per chassis and 8 chassis's are to be ordered	
	1,353,616.00
	FET inc

NO INSURANCE IS INCLUDED IN THIS ORDER

Enter My Order For Insurance as follows:

<input type="checkbox"/> Fire and Theft \$	<input type="checkbox"/> Collision Amount Deductible \$	<input type="checkbox"/> Property Damage \$
<input type="checkbox"/> Life \$	<input type="checkbox"/> Accident and Health \$	<input type="checkbox"/> Auto Medical \$

My Insurance Company is _____ Address _____

CT. Insurance I.D. No. _____

Purchaser's Signature _____

FUNDS ARE PAYABLE AT THE TIME CHASSIS ARRIVES AT BODY COMPANY IF BODY IS NOT INCLUDED ON PURCHASE ORDER. IF BODY IS INCLUDED, PAYMENT TERMS TO BE DETERMINED.

In the event I fail to provide within ten (10) working days an approval letter from my lending institution for the amount to be financed, I agree to have my deposit refunded and the truck made available for sale.

[] Purchaser's Initials

In the event I fail to take delivery of the vehicle purchased by me within five (5) days after I have been notified by you that it is ready for delivery and pay the total contract price in the manner indicated, my deposit in the amount of \$ _____ may, at your option, be retained by you to compensate you in whole or in part for any losses sustained by you. Your right to retain my deposit shall be in addition to and not instead of any other right or remedy provided by applicable law including, without limiting the generality of the foregoing, the sale of the car or truck I agree to purchase. If the amount of my deposit exceeds actual damages sustained by you, you will promptly refund the difference to me.

[] Purchaser's Initials

CASH OR CERT. CHECK ONLY

FED. EXCISE TAX	18,128.88
CASH PRICE	169,202.88
SALES TAX	151,074.00
	NA

USED TRUCKS

NO WRITTEN OR IMPLIED WARRANTIES AND NO WARRANTY OF MERCHANTABILITY AND NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE.

LIC.	REG.	TRANS.	TITLE	LIEN	CONVEYANCE FEE
					127.00
1. TOTAL CASH PRICE DELIVERED					
2. CASH DOWN PAYMENT					
DEPOSIT SUBMITTED WITH ORDER			CASH ON DELIVERY		

NO REFUND OF DEPOSIT

3. TRADE IN

185,451.84 Each

