

TOWN OF BEEKMAN TOWN BOARD
Minutes for Tuesday April 23rd, 2024

The Town of Beekman Board met for a regular TOWN BOARD meeting on Tuesday April 23rd, 2024. The meeting was called to order by Supervisor Covucci at 6:01PM. The following members were present: Supervisor Mary Covucci, Councilman Capollari, Councilman Battaglini, Councilwoman Sharon Wohrman and Councilman Lemak.

Filling in for the Town Clerk who was away at the NYSTCA Conference – COUNCILWOMAN WOHRMAN. (COUNCILWOMAN WOHRMAN DID NOT VOTE ON THIS EVENINGS AGENDA ITEMS)

Supervisor Covucci led the Pledge of Allegiance. Supervisor Covucci pointed out the emergency exits and called for a moment of silence for all those who have served our Country.

Supervisor Covucci called on Councilman Mersin Capollari to present his report on MS4, (see attached)

Supervisor Covucci went over the Agenda items:

There were no public comments on Agenda items:

There were no written comments:

Public Comments: Bill Crane, 254 Gardner Hollow Road there are three proposals in front the planning board which involve building residencies up on top of a slope where there's water involved in all where pollutants from the residencies could pour down into the water or come down into the stream and asked the Town Board if they could look into the comprehensive plan.

Other Town Board Business: Councilman Battaglini: NYSEG will be issuing a onetime credit will be applied automatically and will appear under miscellaneous charges. Councilman Capollari, Tidy Up Beekman, Supervisor Covucci thanked the Rec Director.

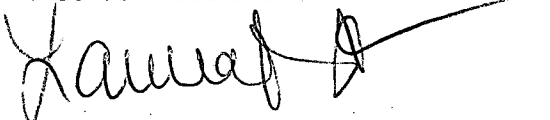
Supervisor Covucci made a motion at 6:32PM to adjourn the Town Board meeting, seconded by Councilman Battaglini.

Respectfully Submitted by Town Clerk

Laureen Abbatantuono

29 April, 2024

Laureen Abbatantuono



**BEEKMAN TOWN BOARD
REGULAR MEETING AGENDA
APRIL 23, 2024**

6:00 PM

- Meeting called to order
- Pledge of Allegiance
- Administrative Announcement--Fire Exits

REPORTS

TOWN BOARD MEETING

- Supervisor Comments
- Public comment on Agenda Items and Resolutions – (3 Minute limit)

RESOLUTIONS

1. Allow Motions to be Recorded by Council Member
2. Accept April 9, 2024 Minutes
3. Approve Changes to the Restricted Fund Equity as of 12/31/23
4. Close Out Capital Project Fund
5. Create Capital Project Fund for Swim Pond Weir
6. Approve Purchase of New Highway Dump Truck
7. Revise Funding for Rental Equipment for MS4 Equipment
8. RFP for Clean Up Day in the Month of June
9. Revise Cost of Transfer Case Repairs for Truck B3
10. Payment of Claims

- Other Town Board Business
- General Board Comments
- General Public comments – (3 Minute limit)
- **Next Regular Town Board Meeting: Tuesday May 14, 2024 at 6:00 PM**

ADJOURN

***AGENDA SUBJECT TO CHANGE**

RESOLUTION NO. 04:23:24-1

RE: RESOLUTION TO ALLOW MOTIONS TO BE RECORDED BY COUNCIL MEMBER

WHEREAS, the Town Clerk and Deputy Town Clerk are unavailable to attend the April 23, 2024 Town Board meeting as the Town Clerk is away at an Association of Towns training seminar in Albany;

BE IT RESOLVED, that the Town Board moves to have Councilwoman Wohrman record all motions and resolutions passed at tonight's meeting and that her appointment is intended to be temporary for tonight only due to the unavailability of the Town Clerk and the Deputy Town Clerk; and,

BE IT FURTHER RESOLVED, that the Town Clerk shall maintain responsibility to certify all minutes and legislative actions approved at tonight's meeting.

Introduced: COUNCILMAN CAPOLLARI

Seconded: COUNCILMAN BATTAGLINI

ROLL CALL VOTE:

Councilman Capollari	AYE
Councilman Battaglini	AYE
Councilman Lemak	AYE
Councilwoman Wohrman	NO VOTE
Supervisor Covucci	AYE

Dated: April 23, 2024

RESOLUTION NO. 04:23:24-2
RE: APPROVAL OF PAST TOWN BOARD MINUTES

WHEREAS, Town Clerk Laureen Abbatantuono has provided copies of the minutes of the April 9, 2024 Regular Town Board Meeting to all members of the Beekman Town Board; and

WHEREAS, Town Board members have had the opportunity to review said minutes;

NOW, THEREFORE, BE IT RESOLVED, that the Town Board hereby accepts the minutes of the April 9, 2024 Regular Town Board Meeting.

Introduced: COUNCILMAN BATTAGLINI

Seconded: COUNCILMAN LEMAK

ROLL CALL VOTE:

Councilman Capollari	AYE
Councilman Battaglini	AYE
Councilman Lemak	AYE
Councilwoman Woehrman	NO VOTE
Supervisor Covucci	AYE

Dated: April 23, 2024

RESOLUTION NO. 04:23:24-3
RE: RESOLUTION APPROVING CHANGES TO TOWN GOVERNMENT RESTRICTED
FUND EQUITY AS OF DECEMBER 31, 2023 TW-16

WHEREAS, the Town of Beekman Town Board periodically reviews and makes additions and withdrawals to the Government Funds Restricted Equity Balances,

NOW, THEREFORE, BE IT RESOLVED, that the Town Board of the Town of Beekman hereby approves the following changes to the Government Funds Restricted Fund Equity Balances as of December 31, 2023.

Fund Equity Categories	Balances 6/30/2023	Increase	Decrease	Revised Balance 12/31/2023
A Non Spendable	\$	\$ 18,146	\$	\$ 18,146
A Reserve for Comp Absences	38,000	5,400		43,400
A Reserve for Retirement	546,920	9,588		556,508
A Reserve for Claims	100,000			100,000
A Reserve for Repairs	188,564			188,564
A Reserve for Debt Service	2,784		(2,784)	
A Assigned for Capital Use	2,000,000	450,000	(1,233,337)	1,216,663
A Assigned for 2024 Budget		61,020		61,020
A Unrestricted Fund Equity	1,412,668	3,413,137	(2,701,874)	2,123,931
DA Non Spendable		16,470		16,470
DA Reserve for Comp Absences	23,000	1,600		24,600
DA Reserve for Snow Repairs	150,000			150,000
DA Reserve for Equipment	253,870	2,900		256,770
DA Reserve for Debt Service	2,784		(2,784)	
DA Assigned for Budget	50,000	132,245	(50,000)	132,245
DA Unrestricted Fund Equity	191,987	2,185,815	(2,015,281)	362,521

Introduced: SUPERVISOR COVUCCI

Seconded: COUNCILMAN LEMAK

ROLL CALL VOTE:

Councilman Capollari **AYE**
Councilman Battaglini **AYE**
Councilman Lemak **AYE**
Councilwoman Wohrman **NO VOTE**
Supervisor Covucci **AYE**

Dated: April 23, 2024

RESOLUTION NO. 04:23:24-4
RE: RESOLUTION TO CLOSE OUT CAPITAL PROJECT FUND

WHEREAS, the Town of Beekman Authorizes and establishes Capital Projects to make improvements to equipment and facilities; and

WHEREAS, the GASB & GAAP Best Practices recommends that Completed Capital Projects be officially Closed by the Governing Body, and

WHEREAS, the following summarized Capital Project is determined to be complete and now should be officially closed approving the disposition of unexpended project funds

<u>Capital Project Improvement Description</u>	<u>Project Budget</u>	<u>Final Expenses</u>	<u>Unexpended Balance</u>	<u>Disposition of Unexpended Balance</u>
Gardner Hollow Rd. Bridge	\$972,493	\$899,493	\$73,000	Return to General Fund ARPA Account

NOW, THEREFORE, BE IT RESOLVED that the Town Board of the Town of Beekman Officially approves the closing of the above Capital Project with the Unexpended Funds returned to the General Fund Account.

Introduced: COUNCILMAN LEMAK

Seconded: COUNCILMAN CAPOLLARI

ROLL CALL VOTE:

Councilman Capollari	AYE
Councilman Battaglini	AYE
Councilman Lemak	AYE
Councilwoman Woehrman	NO VOTE
Supervisor Covucci	AYE

Dated: April 23, 2024

RESOLUTION NO. 04:23:24-5
RE: CREATE CAPITAL PROJECT FUND FOR PERMANENT IMPROVEMENTS TO THE
REC CENTER SWIM POND

WHEREAS, the Town Of Beekman has been mandated by the NYSDEC to install a permanent weir at the Town Rec Center Swim Pond and,

WHEREAS, the NYSDEC has granted to the Town the regulatory permit necessary for the project, and

WHEREAS, the Town Board approved the Bid Process & Publication for the project on April 9, 2024, and

WHEREAS, the Town now deems it appropriate to create the capital project and authorize the estimated uses & sources,

NOW THEREFORE BE IT RESOLVED that the Town Board of the Town of Beekman officially authorizes the creation of the Rec Center Swim Pond Improvements capital project with \$250,000 transfer from the Capital Designated Balance in the General Fund.

Introduced: COUNCILMAN CAPOLLARI

Seconded: COUNCILMAN BATTAGLINI

ROLL CALL VOTE:

Councilman Capollari	AYE
Councilman Battaglini	AYE
Councilman Lemak	AYE
Councilwoman Woehrman	NO VOTE
Supervisor Covucci	AYE

Dated: April 23, 2024

RESOLUTION 04:23:24-6
RE: APPROVE PURCHASE OF NEW DUMP TRUCK FOR THE HIGHWAY
DEPARTMENT

WHEREAS, the Highway Department is in need of a new Dump Truck, and has received a quote through Sourcewell #080818-HPI, from Henderson Equipment BB, for the following vehicle equipment;

One (1) 2025 Western Star 47X Chassis, complete with 12 ' reversible snow plow, MUNIbody II multi-task body and 11' leveling wing for \$340,859.00 and freight \$3,563.00, for a total of \$344,422.00, and;

WHEREAS, it is recommended that the source of Funds for the vehicle will be appropriated from the Highway Fund Balances;

NOW, THEREFORE, BE IT RESOLVED, that the Town Board hereby approves the acquisition of the new Dump Truck, in an amount not to exceed \$344,422.00 with the funding agreed upon above.

Introduced: COUNCILMAN BATTAGLINI

Seconded: COUNCILMAN LEMAK

ROLL CALL VOTE:

Councilman Capollari	AYE
Councilman Battaglini	AYE
Councilman Lemak	AYE
Councilwoman Woehrman	NO VOTE
Supervisor Covucci	AYE

Dated: April 23, 2024

RESOLUTION NO. 04:23:24-7
RE: REVISE HIGHWAY DEPARTMENT EQUIPMENT RENTAL FOR MS4 WORK
SOURCE

WHEREAS, the Town of Beekman Highway Superintendent has submitted a request to rent an excavator for one (1) month for the purpose of doing MS4 work; and

WHEREAS, the Town of Beekman Highway Superintendent has solicited quotes in conformity with the Town's Procurement Policy for this rental from three (3) vendors and has determined that the quote from Westchester Tractor, is in the best interest of the Town;

NOW, THEREFORE, BE IT RESOLVED, that the Town Board of the Town of Beekman does hereby accept the Quote of Westchester Tractor for the rental of one Kubota KX057 with Hydraulic thumb in an amount not to exceed \$3,150.00; and

BE IT FURTHER RESOLVED that the rental of equipment expense will be charged to account A-8140-0400 in the General Fund.

Introduced: SUPERVISOR COVUCCI

Seconded: COUNCILMAN BATTAGLINI

ROLL CALL VOTE:

Councilman Capollari	AYE
Councilman Battaglini	AYE
Councilman Lemak	AYE
Councilwoman Wohrman	NO VOTE
Supervisor Covucci	AYE

Dated: April 23, 2024

RESOLUTION NO. 04:23:24-8
RE: APPROVE 2024 SPRING TOWN CLEAN UP DAY

WHEREAS, the Town would like to offer a Spring clean-up day for residents of Beekman in June of 2024, and

WHEREAS, the Town does not have its own transfer station; and

WHEREAS, the Town Board would like to advertise a Request for Proposals for Spring clean-up for residents;

NOW THEREFORE BE IT RESOLVED, that the Town Board hereby authorizes the Town Clerk to advertise a Request for Proposal for Spring clean-up; and be it further

BE IT FURTHER RESOLVED, that the Request for Proposals will be advertised in the Poughkeepsie Journal, on the Town Clerk's Bulletin Board, and posted on the homepage of the Town of Beekman Website; and be it further

RESOLVED, that the date be set in the Month of June 2024.

Introduced: COUNCILMAN LEMAK

Seconded: COUNCILMAN CAPOLLARI

ROLL CALL VOTE:

Councilman Capollari	AYE
Councilman Battaglini	AYE
Councilman Lemak	AYE
Councilwoman Woehrman	NO VOTE
Supervisor Covucci	AYE

Dated: April 23, 2024

RESOLUTION NO. 04:23:24-9
RE: REVISE COST TO OVERHAUL TRANSFERCASE FOR HIGHWAY TRUCK B3

WHEREAS, by Resolution No. 02:27:24-8, the Town Board of the Town of Beekman approved the quote by TransAxle for the overhaul of the transfer case for Highway Truck B3 in the amount of \$8,016.98; and

WHEREAS, the Town of Beekman Highway Superintendent was notified that after all the parts needed to repair the transfer case were finally sourced there will be an additional cost of \$1,961.02 , for a total of \$9,978.00 ; and

WHEREAS, approval is needed for the additional costs,

NOW, THEREFORE, BE IT RESOLVED, that the Town Board of the Town of Beekman does hereby approve the quote by TransAxle for the additional cost of \$1,961.02, for a total of \$9,978.00.; and

BE IT FURTHER RESOLVED that the funds will come out of the Highway Vehicle Repairs budget line.

Introduced: COUNCILMAN CAPOLLARI

Seconded: COUNCILMAN LEMAK

ROLL CALL VOTE:

Councilman Capollari	AYE
Councilman Battaglini	AYE
Councilman Lemak	AYE
Councilwoman Woehrman	NO VOTE
Supervisor Covucci	AYE

Dated: April 23, 2024

RESOLUTION NO. 04:23:24-10
RE: PAYMENT OF CLAIMS

WHEREAS, the Bookkeeper has audited and approved claims pursuant to Sect. 119 of Town Law as set forth in the attached abstracts; be it

RESOLVED, that the payment, therefore, is hereby authorized as follows:

Claims to be paid from the A-General Fund	\$ 62,625.04
Claims to be paid from the DA-Highway Fund	\$ 8,640.19
Claims to be paid from the SS – Dover Ridge Sewer	\$ 308.00
Claims to be paid from the SW – Dover Ridge Water	\$ 423.28
Claims to be paid from the T-Trust Fund	\$ 6,667.80
Claims to be paid from the H-Capital Fund	\$ 476.00
	<u>\$ 79,140.31</u>

04/11/2024 Payroll #08

General Fund	\$ 34,368.13
Highway Fund	\$ 30,883.03
	<u>\$ 65,251.16</u>

Introduced: COUNCILMAN BATTAGLINI

Seconded: COUNCILMAN LEMAK

ROLL CALL VOTE:

Councilman Capollari	AYE
Councilman Battaglini	AYE
Councilman Lemak	AYE
Councilwoman Wohrman	NO VOTE
Supervisor Covucci	AYE

Dated: April 23, 2024

Executive Summary for MS4 Committee Reporting to the Town Board

As the Town of Beekman representative of the **Municipal Separate Storm Sewer Systems (MS4)** committee in Dutchess County, NY, I present this executive summary to the Town Board to outline essential aspects of MS4 regulatory compliance, procedures, anticipated costs, and specific considerations for the Town of Beekman and Dutchess County, NY. The goal is to inform and guide the Town Board on necessary actions, compliance strategies, and financial planning to meet state and federal stormwater management requirements effectively.

The MS4 in Dutchess County, NY:

The MS4 Committee in Dutchess County is an intermunicipal group that discusses stormwater issues, permitting and regulations.

We meet once a month at the Cornell Cooperative in Millbrook, NY.

A resource to meet Minimum Control Measures (MCM) 1 and 2 requirements.

In 2024, I, Mersin Capollari, am attending meetings, became a voting member on behalf of the Town of Beekman and year to date, have attended four (4) meetings.

MS4 pertains to a system of conveyances (roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains) owned by a state, city, town, village, or other public entity, which discharges to waters of our local municipalities and New York State. Our responsibility is to manage and reduce the contamination of stormwater runoff, hence protecting water quality.

Introduction:

1948 – Clean Water Act established the framework for regulating both discharge of pollutants and the quality standards for surface waters in the US

SPDES issued by the EPA in 1990 and adopted by the NYSDEC in 1993

Phase I: Large; Over 250K, Medium; between 100K & 250K in population

Phase II: Small: Less than 100K

MS4 – Municipal Separate Storm Sewer System

According to Federal Law, commonly known as Stormwater Phase II (SPDES [State Pollutant Discharge Elimination System] General Permit for MS4 – New permit is effective 1/3/2024 GP-0-24-001), permits are required for stormwater discharges from MS4s in Urbanized Areas.

The Town of Beekman is considered a "Small Urban MS4," based on a population of less than 100,000 people.

The Town of Beekman is required to submit an annual report of MS4 activity to the New York State Department of Environmental Conservation (NYSDEC), for which we are accountable for six (6) minimum control measures (MCMs) in the annual report.

Types of MS4s:

Traditional: City, Town, Village with land use control authority

Traditional Non-Land Use: Any County agency without land use control

Non-Traditional: Prisons, Office Complexes, Hospitals, University Campuses, Public Housing Authorities, Schools

MS4 Compliance and Procedures:

The primary aim of MS4 compliance is to reduce pollutants in stormwater runoff to protect water quality. MS4 entities in NYS are regulated under the State Pollutant Discharge Elimination System (SPDES) General Permit for Stormwater Discharges. Compliance with this permit involves the development and implementation of a stormwater management program (SWMP) that includes and is achieved through the implementation of Best Management Practices and fulfillment of six (6) Minimum Control Measures:

1. **Public Education and Outreach:** Developing and distributing educational materials to community members about the impacts polluted stormwater runoff imparts on water bodies.
2. **Public Involvement and Participation:** Encouraging local community involvement through public hearings and stewardship activities.
3. **Illicit Discharge Detection and Elimination:** Systematically finding and eliminating sources of non-stormwater discharges into the storm sewer systems.
4. **Construction Site Stormwater Runoff Control:** Ensuring construction projects implement erosion and sediment control measures.
5. **Post-Construction Stormwater Management:** Implementing strategies in new developments and redevelopments to prevent long-term water pollution.
6. **Pollution Prevention/Good Housekeeping:** Promoting proper maintenance practices in municipal facilities to reduce pollutants in stormwater.

Compliance with these measures requires a detailed approach to planning, implementation, and record-keeping.

Each municipality covered under the MS4 permit, including those within Dutchess County, must submit annual reports documenting their compliance efforts.

NOIs and Public Education:

Notices of Intent (NOIs) are formal documents submitted by operators of regulated stormwater discharges, indicating their intention to comply with the terms of the general state or federal MS4 permit. The process of preparing and submitting an NOI requires detailed understanding of the facility's stormwater discharges and how they will be managed to meet permit requirements. Educating the general public about the importance of stormwater management and individual contributions to pollution prevention is crucial. Effective education campaigns can lead to behavioral changes that significantly reduce pollutants at their source, thereby complementing efforts outlined in NOIs and enhancing overall compliance with MS4 requirements.

NOI Submission:

Entities must submit a Notice of Intent to the NYS Department of Environmental Conservation (DEC) to be covered under the SPDES General Permit. The NOI outlines our commitment to comply with the terms of the permit, including the development, implementation, and enforcement of a SWMP.

Goals for the Upcoming Report:

Continue to inspect and maintain stormwater infrastructure

Create accountability from HOAs and Private Owners for the maintenance and upkeep of stormwater management facilities

Enhance the base map displaying stormwater infrastructure throughout the town as currently constructed, making an easy to update as site plans are approved.

Increase level of public education and outreach

Continued training for liaisons, officers of the MS4 and Highway Department Employees

Dutchess County, NY Needs:

Specifically, in Dutchess County and the Town of Beekman, there's a need to focus on infrastructure updates to handle increasing stormwater runoff volumes, enhanced public education campaigns to tackle pollutants from residential areas, and targeted efforts to mitigate impacts from new developments and agricultural activities. Dutchess County, NY faces unique challenges regarding stormwater management, primarily due to its varied topography, land use patterns, and levels of urbanization. Addressing stormwater issues here requires a tailored approach, emphasizing:

- Enhanced public education and engagement to promote sustainable land use practices.
- Increased monitoring and management of new developments to mitigate additional stormwater runoff.
- Strong partnerships among local governments, the community, and developers to implement region-specific stormwater management solutions.

Costs Implications:

The costs associated with implementing and maintaining MS4 compliance vary widely depending on the specific requirements of the permit, the size of the regulated area, and the current status of stormwater infrastructure. Initial costs may include stormwater mapping, installing new infrastructure, public education campaign launches, and the establishment of monitoring and enforcement protocols. Ongoing costs are related to maintenance, monitoring, public education continuation, and administrative expenses. Initial estimates for municipalities in Dutchess County range from preliminary engineering assessments at \$10,000-\$50,000, implementation of BMPs (Best Management Practices) at \$100,000-\$1,000,000, to ongoing maintenance and monitoring costs of \$25,000-\$75,000 annually. These figures are indicative and can fluctuate based on actual project scopes and needs.

Filing Deadlines:

For managing stormwater discharges associated with Municipal Separate Storm Sewer Systems (MS4s) in Dutchess County, New York, and across New York State (NYS), the filing deadlines for permits and Notice of Intents (NOIs) are critical components of regulatory compliance. However, specific deadline information can vary from year to year and can also be subject to changes by regulatory authorities. Here's a general overview of how these deadlines tend to be structured:

MS4 Annual Reports

MS4 entities in New York are typically required to prepare and submit Annual Reports documenting their compliance with the terms of the State Pollutant Discharge Elimination System (SPDES) General Permit for Stormwater Discharges from MS4s.

- Deadline: These Annual Reports are usually due by June 1st of each year, covering activities for the previous reporting year (March 10th through March 9th).

Notice of Intent (NOI) to Discharge

Entities that seek coverage under the SPDES General Permit for MS4s must submit a Notice of Intent to the New York State Department of Environmental Conservation (NYSDEC).

- **Deadline:** The deadline for submitting an NOI can vary depending on the specific requirements issued by the NYSDEC at the time of permit issuance or renewal. Typically, a new or renewed permit might set specific deadlines for existing or new MS4s to submit their NOIs.

MS4 Permit Renewal

The SPDES General Permit for Stormwater Discharges from MS4s is subject to renewal, usually every 5 years.

- **Deadline:** The submission deadline for renewal applications will be specified by the NYSDEC ahead of the current permit's expiration date. It's important for MS4s to stay informed of upcoming renewal dates and associated deadlines.

Conclusion:

Effective MS4 management is crucial for protecting water quality and adhering to regulatory mandates. The comprehensive approach outlined, combined with a clear understanding of the Town of Beekman and Dutchess County's specific needs and careful financial planning, will enable our town to meet its MS4 compliance obligations effectively. Continued collaboration, innovation, and community engagement are essential in navigating the challenges ahead.

In conclusion, as we advance our MS4 compliance efforts within the Town of Beekman, Dutchess County and across NYS, a concerted focus on public education, infrastructure investment, and strategic planning for growth and development will be key to our success. Ensuring comprehensive public understanding and participation will amplify our efforts, ensuring a cleaner, healthier environment for future generations.

Staying Updated and Questions / Follow Up:

NYSDEC Website: The most reliable source of information for deadlines and requirements is the New York State Department of Environmental Conservation (NYSDEC) website. It provides updated guidance, forms, and deadlines for MS4 permits and NOIs.

Daniel G. Koehler – Town of Beekman Engineer
DKoehler@hudsonlanddesign.com

Mersin Capollari – Town Councilman
MCapollari@townofbeekmanny.us

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HENDERSON

CUSTOMER QUOTE

PRODUCTS, INC.

Page 1
Quote #177935
Rev #140

22686 FISHER ROAD
WATERTOWN, NY 13601
PHONE: 315-785-0994
FAX: 315-785-0146

To: BEEKMAN HIGHWAY
Attn: TONY COVIELLO
Quote Date: 2/8/2024
Valid Until: 4/8/2024
Sourcewell Contract# 080818-HPI
Sourcewell #: Sourcewell

Quoted By: Jeff Weisbrot
Phone: 888-895-2446
Cell: 914-980-3510
Fax: 315-785-0146
Email: jweisbrot@hendersonproducts.com

Quoted:
BEEKMAN MUNI2 SS FF 11'X36 FRONT SPINNER ,12' PLOW,11' LEVELING WING.
FORCE HYD, WESTERN STAR 47X CHASSIS

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

Reversible snow plow

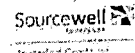
Plow Length: 12' length
Moldboard Trip: Adjustable cutting edge trip - torsion spring
Pushframe Type: Heavy Duty Outboard Cylinders Type
Moldboard Height: 42" height
Moldboard Shield: Standard shield
Moldboard Sheet Material: 3/8" polymer ILO steel
Adjustable Trip Spring: Adjustable cutting edge trip springs
Hydraulic Cylinders: 3" x 16" single acting nitrided reversing cylinders
Paint: Orange Poly Moldboard, all other gloss black
12" Rubber Deflector: Yes, w/ SS Backer
36" Plastic Side Markers, Pair: Yes
Parking Jack, Screw Adjustable: Yes
Install Parking Jack: Yes
Hitch, Plow Portion: Torlock / Arrowhead hitch, shipped loose
Custom Option Fields: Note Custom Details Below
Option 1 Description: INSTALL TORLOCK ARROWHEAD

MUNIBody II multi-task body

Discharge Options: Front Center Discharge Only-No Rear Feedgate
Doghouse Type: Internal with 60" headsheet
Body Length: 11' body length, 36" sides, 48" tailgate
Side Height: 36" High Sides with pockets for 12" boards
Side to Floor Transition: Standard 22 Degree from Horizontal Slope on Sides
Tailgate/Rear Body Style: Standard Rear Discharge Apron 48" Tailgate
Granular Capacity: 7.5 yd Sides 10.8 yd Ends
Sides / Ends: Optional 304SS sides, ends
Floor: 1/4" AR400
Rear Apron / Bolsters: 304 Stainless Steel
Tailgate Bracing: 304 Stainless Steel
Body Hinge Type: Greaseless Composite Bushing Hinge Blocks (I)
Body Hinge Paint: Yes, Rear Hinge Painted @ Factory
Conveyor speed sensor: Conveyor speed sensor



National
Purchasing
Partners
Government





HENDERSON

CUSTOMER QUOTE

PRODUCTS, INC.

22686 FISHER ROAD
WATERTOWN, NY 13601
PHONE: 315-785-0994
FAX: 315-785-0146

Page 2
Quote #177935
Rev #140

Conveyor Motor and Gearcase Location: Front Mounted Motor and Gearcase
Double Conveyor Cross Bars: Yes
3/16" AR 400 Steel Conveyor Cover: Yes, shipped loose
Polyurethane spinner disk: Yes
Lighting Package: Standard lights
Extra Light Holes in Rear Bolster: Two extra light holes in each bolster
Drivers Side Fender: Platform Fenders for Toolbox or Tanks
Passengers Side Fender: Platform Fenders for Toolbox or Tanks
Option 1 Description: 11ft. X 36in. FLAT FLOOR, 1/4in. AR OUTSIDE CONVEYOR
Option 2 Description: 30x90 TARP CABSHLD w/ 2 boxed light holes fwd and 1 ea side
Option 3 Description: DEDUCTS FOR 201 ILO 304, LAMP DEDUCT, TG AIR VALVE DEDUCT
Option 4 Description: TRIPLE SS COAL CHUTES
Option 5 Description: SS TG DRING, ORANGE BODY PROPS, TG PIN LANYARDS
Option 6 Description: FULL LENGTH UNDERBODY PANS, MID POINT BOARD BRACE
Option 7 Description: Front Marker Lt holes, Side Obrnds. Slide out ladder
Option 8 Description: SS Hyd tubes (3/4x2, 1/2x1) DA Hoist w/ Full cradle
Option 9 Description: 12in. 7 GA SS ASPHALT LIP PIN-ON INSTALLED

Installation Workup

Facility: IDC-NY
Chassis Delivery To Henderson: Truck Dealer/Customer Delivers
Completed Truck Delivery Method: Henderson Delivers (161-250 miles)
Chassis Make: Westernstar
Chassis Model Yr: 47X
Chassis Model: 2024
Useable CA/CT: 96
Front Axle Rating: 18
Rear Axle Rating: 30
Front Frame Ext?: Yes
Frnt Frame Ext Type: Full
Front Frame Wall: Single Wall
Front Frame Width: 42"
Pump Location: Front Mount Pump (REQUIRES FRONT CRANKSHAFT PROVISION)
Transmission Type: Automatic
Transmission Model: Allison Transmission
Set Back Axle: Yes
Chassis Options 1: PUMP PLATE 114811 X1

Hitch Type: Power Tilt Hitch
Mount Type: Engineered Truck Hitch (sales to order hitch w/ unit)
Front Bumper: OEM Bumper Cut and Split
Front Tow Hooks: Tow Hooks, 44,000 lb, Pair (installed front of chassis)

Front Plow Type: Standard Henderson Plow
Plow Markers (Front Plow): IDC Install of fact supplied markers, sales to order w/ unit



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HENDERSON

CUSTOMER QUOTE

PRODUCTS, INC.

22686 FISHER ROAD
WATERTOWN, NY 13601
PHONE: 315-785-0994
FAX: 315-785-0146

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Rubber Deflector Install: Supplied By Factory, Installed @ IDC, sales to order w/ unit

Moldboard Shoes Install: Supplied/Installed @ Factory (sales to order w/ unit)

Front Plow Curb Guards: Supplied/Installed @ Factory (Sales to order with unit)

Wing Type: Install Leveling Wing (cable) Single Wing

Rear Mast Mount: Std. Leveling Wing Rear Frame Installation

Wing Stop: Yes (factory supplied)

Plow Markers (Wing Plow): IDC Install fact suppl'd marker, pair, sales order w unit

Wing Options 1: WING STROBE 160921 X1

Dump Body Type: Munibody II (Std/FF)

Floor Length: 11ft Floor Length

Hoist Type: Tele Trunnion Hoist, Internal Doghouse

Cylinder Type: Double Acting

Discharge Type: Frnt Center Discharge Only

Body Material (Sides/ends): Stainless Steel Type Body Material

Tailgate Release Type: IDC Supplied manual air over air valve

Pressure Protection Valve: Direct to air tank valve (All except Int, Mack & Volvo)

Cabshield Install: Supl'd by fact, welded to body @ IDC, sales to order w/ unit

Grab Handle(s): (4) IDC supplied/installed grab handles (select type below)

Grab Handle 1 Type: SS 17" grab handle

Grab Handle 2 Type: SS 17" grab handle

Grab Handle 3 Type: SS 60" grab handle

Grab Handle 4 Type: SS 60" grab handle

Ladder(s): Supplied by factory, Install @ IDC (sales to order w/ unit)

Ladder Install QTY (Dump): (1) LADDER INSTALLED @ IDC (LABOR ONLY)

Ladder Install Style (Dump) 1: 3 Step Pull Out

Ladder Install Loc 1 (Dump): Driver Side Front

Sideboards: Wood (Painted Black), supplied/installed by IDC

Sideboard Spec: 2X12

Sideboard Notes:

Tarp Brand: US Tarp (order 86" c/s if using integral shield)

Tarp System: Electric Tarp, 30° Arms, w/o Wind Deflector

Tarp Material: Black Vinyl (Asphalt rated)

Tarp Length: 13.5'-15' Body Length (BV, US)

Body Install Options 1: LITE BAR ALUMINUM INSTALL 175098 X1, 158998.201 X2

Body Spec Notes:

SAFETY TAPE ON BODY SIDES, TAILGATE

Chassis Accessories: Yes (SELECT RELATED OPTIONS BELOW)

Mudflaps (Rear): Swinging w/Logo

Mudflap Type (Rear): 36" Swinging, SS (with LOGO)

Front Center Mount Flaps: Swinging, SS (No LOGO)



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Mudflaps (Front): Body Mounted w/Logo
Mudflap Type (Front): Body Mounted Rubber, SS, w/ anti-sail brackets W/ LOGO
Fenders: SS Fenders, Full Pair, single axle, SS mount
Pintle Plate: Yes (select from options below)
Pintle Plate Configuration: 3/4" Plate, 25T, Round Lt Holes (w/3LTC)
Pintle Plate D-Rings: Qty (2) 1" D-rings, 50 deg bend
Trailer Plug (1): 7 Pin Trailer Plug, Truck end 7-Way RV, new style (municipal)
Tool Box: Qty 1 Toolbox (Select type below)
Toolbox (1) Type: 18"x18"x30" SS Tbox, SS Brkts
Tool Box Location 1: Passenger side
Truck Wash: Complete Truck Wash/Clean/Vac 1
Warranty: Standard 1 Year Warranty
Reflective Tape: Reflective Tape, No Logo (60' Linear)
Chassis Install Options 1: LTS REAR 163435X2, 163767X1, 163768 X1, 152718 X2,
106360 X2

Electrical: Yes (SELECT RELATED OPTIONS BELOW)
Power Distribution Panel: Power Distribution Panel
Plow Lights: Job specific plow light kit
Plow Lights Spec: ABL HEATED
Plow Light Brackets: IDCNY Trucklite/ABL Brkt Short pr (2 short)
Driving Lights: Driving Lights, ABL 2500/3000, Pair
Mirrors: Spot mirror, 8.5" Convx, CNTR MNT, Heated (RH each, w/ mount)
Front Wing Mast Spotlight: LED, Spot Light (500-2000 Lumens, Clear, Each, ABL)
Worklight(s) QTY: (QTY 2) Work Lights (Select type below)
Worklight (1) Type: Flood Light, ABL, 500-850 Lumen LED
Worklight (1) Gen Location: Front Steps
Worklight (2) Type: Flood Light, ABL, 500-850 Lumen LED
Worklight (2) Gen Location: Front Steps
Cabshield Warning Light Qty: Qty 4 Lights (Order Holes with Unit)
Cabshield Warning Lights: QTY 4, 6" LED Oval Strobes, Amber (order holes w/unit)
Cabshield Lighting Harness: Cabshield Warning Lights Only (qty 2-6)
Cab Beacon: LED Mini Ltbar, 201SS Stationary Mntng Brkct, 40%+, Frnt Mnt
Rear Dump Bolster (S/T/T): LED S/T/T, kit (NY/NJ) (order holes)
Rear Dump Bolster (Back-up): B/U Lights, LED, Clear, Oval, pair (Order holes
with body)
Rear Dump Bolster Strobes: 6" LED Oval Strobes, 2 Amber, 2 Green (order holes
w/unit)
Front Body Marker Light(s): LED Front Body Marker Lights-(order holes w/ body)
Back up alarm: Chassis supplied, no modification required
License Plate Lights: IDC Supplied License Plate Light Gray Housing
Backbone & Wire Standoffs: 10' Backbone (For SA)
Electrical Install Opt 1: ABL DRIVING LMAPS INSTALL ON ALUM LIGHT BAR 175098
Electrical Install Opt 2: LED BODY-UP 151806X1, 165004X1, 170964X1, 171308X1,
165320X1
Electrical Install Opt 3: LED AMBER LTS ON MUNI2 BODY SIDES 161654 X2,
166796.201 X2
Electrical Install Opt 4: WHELEN P/N 165218 X1 PCC8R SWITCH BOX, 8 SWITCHES
Electrical Install Opt 5: ABL FLOOD HEATD 185097 X5, REAR CORNS, SPINN, CARG, PS
HI WING



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Electrical Spec Notes:

WORK LAMPS LOCATIONS:
REAR BODY CORNERS (2)
FRONT SPINNER
BODY CARGO ILLUMINATION
PASS SIDE BODY CABSHIELD DOWNWARD

CAMERA LOCATIONS:

1. D/S REAR NOT TIED TO REVERSE
2. D/S CARGO
3. P/S END OF LIGHT BAR FACING DOWN
4. D/S PINTLE PLATE - FOR SPINNER

Hydraulics: Full Hydraulic Package

Hyd Supplier: Force America (Select Pkg Below)
 Hyd Supplier (Spec): QUOTE QUOTE QT001-1342794-1 DATE 2/5/2024
 Controls Type: Electric Controls
 PTO Type: Included in Hydraulics Package
 Valve Enclosure Type: Blank, Tall BTC Valve Enclosure, SS
 Low Oil Shut Down: Yes, included in Hyd Pkg
 SS Tubing Upgrade: SA, F&R lines, 6' Frnt, 9' Rr
 Quick Coupler Upgrade: Stainless Steel Quick Couplers
 Front Plow Lift Q-Coup Upg: (2PR) Frnt Plow Lift Q-Coupler
 Front Plow Rev Q-Coup Upg: (2PR) Frnt Plow Rev Q-Coupler
 Wing Heel Q-Coup Upg: (2PR) Wing Heel Q-Coupler (SW)
 Spinner Q-Coup Upg: (2PR) Spinner Q-Coupler (1S)
 Hyd Options 1: LOW OIL LIGHT 170965 X1, 171308 X1
 Hyd Options 2: BALL VALVE 160097 X1

Hydraulics Notes:

Disclaimer: Paint not guaranteed to match OEM chassis color

IDC Paint Location: IDC-NY

Undercoat: Undercoat (Chassis Only)

Paint Code & Color (from color charts): UNDERCOAT PINTLE FRONT/REAR

Chassis Info

CHASSIS DIRECT QUOTE/PO: WESTERN STAR 47X SINGLE AXLE 2024 12-6-23

CHASSIS DETAILS:

Jan 24, 2024

Western Star 47X

Revised 4.89 gear ratio, fan control



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Leveling wing

Wing Construction: SD Wing Configuration, 8 ribs, 8" front mast
Moldboard Sheet Material: 7 GA GR50 steel, standard
Cutting Edge Length / Moldboard Height: 11' length / 29" intake / 39" discharge
Wing Mounting: Power tilt pin hitch, truck portion, 30.5" OC width
Moldboard Trip: Full moldboard trip w/ top ext. spring, bottom comp. spring
Front Mast Type: 60" Hydraulic Front Mast
Rear Mast: Standard straight rear mast
Curb Guard, Installed: One wrap around curb guard
36" Plastic Side Marker, Shipped Loose: Yes
Option 1 Description: 6in.WING FLARE ILO 12in. Orange Moldboard
Option 2 Description: Torlock Arrowhead pin adapter (line item 96260)
Option 3 Description: RES/MTG FRAME/EXTRNL VALVE ENC

Total package price: \$369,785.00
Total package w/applicable 10% Sourcewell discount: \$340,859.00
Freight: \$3,563.00
Single package total: \$344,422.00
Package(s) : 1
Total: \$344,422.00

*10% Sourcewell discount applies to all equipment and installation only.

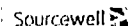
Sales tax may apply to this order but is not included in the package total. If you are tax exempt, please submit your exemption certificate to finance@hendersonproducts.com

Due to the volatility in material costs and chassis delays, pricing is subject to change at time of manufacturing and/or upfit.

Signed: _____ Date: _____

Quote notes:

update:2-7-24 JW per customer: Remove the following:
Winter plow guards;all, Grill Strobes, Fog Lamps, Camera Kit,
Gladhands, Brake Controller, Tow Hooks.



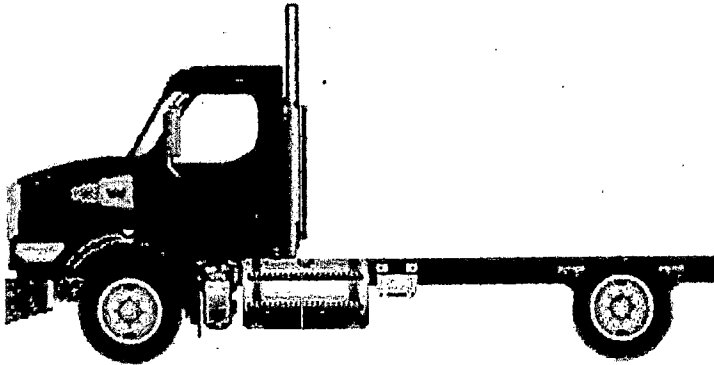
Prepared for:
Mark Kough
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MANCHESTER, IA 52057
Phone: 563-927-2828

A proposal for
HENDERSON EQUIPMENT BB

Town of Beekman

Jan 18, 2024

Western Star 47X



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

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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

Data Code	Description	Weight Front	Weight Rear
Price Level			
PRL-28X	WST 47X/49X PRL-28X (EFF:MY25 ORDERS)		
Data Version			
DRL-024	SPECPRO21 DATA RELEASE VER 024		
Vehicle Configuration			
001-470	WESTERN STAR 47X	9,050	6,525
004-225	2025 MODEL YEAR SPECIFIED		
002-004	SET BACK AXLE - TRUCK		
019-004	STRAIGHT TRUCK PROVISION, NON-TOWING		
003-001	LH PRIMARY STEERING LOCATION		
General Service			
AA1-002	TRUCK CONFIGURATION		
AA6-001	DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
99D-019	CARB EMISSIONS CERTIFICATION NOT FOR INITIAL REGISTRATION IN CALIFORNIA AND CARB OPT-IN STATES -CARB CLEAN IDLE (6X4 INCH LABEL ON LOWER FORWARD DRIVER DOOR)		
AF2-998	NONE		
A85-011	CONSTRUCTION SERVICE		
A84-1CO	CONSTRUCTION BUSINESS SEGMENT		
AA4-010	DIRT/SAND/ROCK COMMODITY		
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS		
AB1-008	MAXIMUM 8% EXPECTED GRADE		
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE		
995-1A6	WESTERN STAR SEVERE SERVICE WARRANTY		
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 20000.0 lbs		
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 30000.0 lbs		

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Data Code	Description	Weight Front	Weight Rear
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 50000.0 lbs		
Truck Service			
AA3-018	FRONT PLOW/END DUMP BODY		
AF3-1W0	HENDERSON		
Engine			
101-26W	CUM X12 475V HP @ 1900 RPM, 1700 LB-FT @ 1000 RPM, 2000 GOV RPM, VOC	-390	-45
Electronic Parameters			
79A-071	71 MPH ROAD SPEED LIMIT		
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT		
79K-007	PTO MODE ENGINE RPM LIMIT - 1100 RPM		
79P-002	PTO RPM WITH CRUISE SET SWITCH - 700 RPM		
79U-002	PTO GOVERNOR RAMP RATE - 50 RPM PER SECOND		
79W-024	CRUISE CONTROL BUTTON PTO CONTROL		
80G-014	PTO MINIMUM RPM - 650		
80S-004	PTO 1, DASH SWITCH, ENGAGE WHILE DRIVING		
80V-002	ENGINE MOUNT PTO, DASH SWITCH ENGAGES PTO MODE, DRIVING OPERATION		
Engine Equipment			
99C-124	EPA 2010 GHG 2024/CARB 2024 ULTRALOW NOX CONFIGURATION		
13E-001	STANDARD OIL PAN		
105-015	OIL FILL AND DIPSTICK LOCATED FOR ENHANCED SERVICEABILITY		
014-111	SIDE OF HOOD AIR INTAKE WITH ENGINE MOUNTED AIR CLEANER, WITH INSIDE/OUTSIDE AIR AND SNOW DOOR		
124-1DJ	DR 12V 160 AMP 36-SI BRUSHLESS QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE		
292-236	(3) DTNA GENUINE, FLOODED STARTING, MIN 3000CCA, 555RC, THREADED STUD BATTERIES	-10	
290-1CD	BATTERY BOX WITH ALUMINUM COVER MOUNTED SHORT SIDE TO RAIL	-50	10
282-003	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE BACK OF CAB		
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		

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Data Code	Description	Weight Front	Weight Rear
289-020	UNPOLISHED ALUMINUM WST BATTERY BOX COVER		
293-058	POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT	2	
295-029	POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER	2	
107-048	CUMMINS NATURALLY ASPIRATED 25.9 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE		
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM		
128-004	CUMMINS INTEBRAKE BRAKE WITH HIGH MED LOW BRAKE		
016-1C2	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE		
28F-015	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD ACTIVE REGENERATION AND VIRTUAL REGENERATION REQUEST SWITCH IN CLUSTER AND DASH MOUNTED INHIBIT SWITCH		
239-038	11 FOOT 06 INCH (138 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT		
237-1CR	RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP		
23U-002	13 GALLON DIESEL EXHAUST FLUID TANK	9	3
23Z-005	UNPOLISHED ALUMINUM WST DIESEL EXHAUST FLUID TANK COVER		
43X-001	LH HEAVY DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION		
43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP		
242-049	PERFORATED SINGLE STAINLESS STEEL MUFFLER/TAIPIPE SHIELD WITH WESTERN STAR LOGO		
273-059	ELECTRONICALLY CONTROLLED VARIABLE SPEED VISCOUS FAN DRIVE		
276-001	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED		
122-1H4	DETROIT FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR AND 12 VOLT PREHEATER	10	
110-003	CUMMINS SPIN ON FUEL FILTER		
118-001	FULL FLOW OIL FILTER		

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Data Code	Description	Weight Front	Weight Rear
266-109	1400 SQUARE INCH VOCATIONAL RADIATOR WITH PROTECTION PACKAGE	20	
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT		
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT		
270-016	RADIATOR DRAIN VALVE		
168-002	LOWER RADIATOR GUARD		
360-013	1350 ADAPTER FLANGE FOR FRONT PTO PROVISION	20	
138-005	PHILLIPS-TEMRO 1500 WATT/115 VOLT BLOCK HEATER	4	
140-053	BLACK PLASTIC ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR		
155-055	DELCO 12V 39MT HD/OCP STARTER WITH THERMAL PROTECTION AND INTEGRATED MAGNETIC SWITCH	-45	

Transmission

342-1M3	ALLISON 4500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION
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Transmission Equipment

343-339	ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV
84B-012	ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES
84C-023	PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY
84D-023	SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY
84E-000	PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE
84F-000	SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE
84G-000	PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE
84H-000	SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE

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Data Code	Description	Weight Front	Weight Rear
353-074	QUICKFIT BODY LIGHTING CONNECTOR UNDER CAB, WITH BLUNTCUTS		
34C-011	ELECTRONIC TRANSMISSION WIRING TO CUSTOMER INTERFACE CONNECTOR		
362-823	CUSTOMER INSTALLED CHELSEA 280 SERIES PTO		
363-001	PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION ALLISON		
341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN		
345-078	HEAVY DUTY ELECTRONIC TRANSMISSION SHIFT CONTROL, COLUMN MOUNTED		
370-006	WATER TO OIL TRANSMISSION COOLER		
346-003	TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK		
35T-001	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)		

Front Axle and Equipment

400-1AC	MFS-20-133A 20,000# FL1 71.0 INCH KPI/3.74 INCH DROP SINGLE FRONT AXLE	240	
418-060	CONMET PRESET PLUS PREMIUM IRON FRONT HUBS	20	
402-030	MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES	10	
403-002	NON-ASBESTOS FRONT BRAKE LINING		
419-023	CONMET CAST IRON FRONT BRAKE DRUMS		
427-001	FRONT BRAKE DUST SHIELDS	5	
409-006	FRONT OIL SEALS		
408-016	STEMCO SERIES 340/343/346 TRADITIONAL ALUMINUM FRONT HUB CAPS WITH WINDOW AND RED VENT PLUGS - OIL		
405-017	HALDEX AUTOMATIC FRONT SLACK ADJUSTERS W/ SINGLE PIN CLEVIS		
536-105	DUAL HIGH CAPACITY POWER STEERING GEARS, BENDIX 20-23K	80	
534-003	4 QUART POWER STEERING RESERVOIR	5	
533-001	OIL/AIR POWER STEERING COOLER	5	
40T-002	CURRENT AVAILABLE SYNTHETIC 75W-90 FRONT AXLE LUBE		

Front Suspension

620-006	20,000# FLAT LEAF FRONT SUSPENSION	250	
---------	------------------------------------	-----	--

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Data Code	Description	Weight Front	Weight Rear
619-002	THREADED SPRING PINS AND BUSHINGS - FRONT SUSPENSION		
62G-015	AUXILIARY AIR SPRING ON RIGHT SIDE FOR PLOW APPLICATIONS	25	
410-001	FRONT SHOCK ABSORBERS		
Rear Axle and Equipment			
420-024	RS-30-185 30,000# U-SERIES SINGLE REAR AXLE		-1,990
450-014	WEBB IRON REAR HUBS		20
421-456	4.56 REAR AXLE RATIO		
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		
386-074	MXL 176T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES	-50	-50
388-998	NO INTERAXLE (#3) DRIVELINE		
452-001	DRIVER CONTROLLED TRACTION DIFFERENTIAL - SINGLE REAR AXLE		20
878-018	(1) DRIVER CONTROLLED DIFFERENTIAL LOCK REAR VALVE FOR SINGLE DRIVE AXLE		
87B-008	INDICATOR LIGHT FOR EACH DIFFERENTIAL LOCKOUT SWITCH		
423-010	MERITOR 16.5X7 P CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, CAST SHOES		20
433-002	NON-ASBESTOS REAR BRAKE LINING		
434-011	BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S)		
451-018	WEBB CAST IRON REAR BRAKE DRUMS		50
425-002	REAR BRAKE DUST SHIELDS		5
440-006	REAR OIL SEALS		
426-100	WABCO TRISTOP D LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS		-20
428-031	HALDEX AUTOMATIC REAR SLACK ADJUSTERS WITH STAINLESS STEEL CLEVIS PINS		
41T-002	CURRENT AVAILABLE SYNTHETIC 75W-90 REAR AXLE LUBE		
42T-001	STANDARD REAR AXLE BREATHER(S)		
Rear Suspension			
622-1DF	30,000# FLAT LEAF SPRING REAR SUSPENSION WITH HELPER AND RADIUS ROD		200
621-114	8.5 INCH NOMINAL RIDE HEIGHT (430MM GLOBAL REFERENCE HEIGHT)		
431-001	STANDARD AXLE SEATS IN AXLE CLAMP GROUP		

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Data Code	Description	Weight Front	Weight Rear
623-005	FORE/AFT CONTROL RODS		
439-998	NO REAR SHOCK ABSORBERS		-30
Pusher / Tag Equipment			
429-998	NO PUSHER/TAG BRAKE DUST SHIELDS		
Brake System			
490-1AU	WABCO 4S/4M ABS WITH TRACTION CONTROL WITH ATC SHUT OFF SWITCH		
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES		
432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE		
480-040	WABCO SYSTEM SAVER 1200 HEATED AIR DRYER WITH PRESSURE CONTROL VALVE		
483-004	WABCO OIL COALESCING FILTER FOR AIR DRYER		
479-012	AIR DRYER MOUNTED UNDER HOOD		
460-007	ALUMINUM AIR BRAKE RESERVOIRS	-10	-15
477-004	PULL CABLES ON ALL AIR RESERVOIR(S)		
485-019	QUICK DISCONNECT FITTING W/HOSE FOR TIRE INFLATION KIT NEAR LH CAB ENTRY DOOR	2	
Wheelbase & Frame			
545-422	4225MM (166 INCH) WHEELBASE		
546-107	15.0MM X 89.0MM X 315.0MM STEEL FRAME (0.59X3.5X12.4 INCH) 120 KSI	-10	580
552-055	2300MM (91 INCH) REAR FRAME OVERHANG		
55W-009	FRAME OVERHANG RANGE: 91 INCH TO 100 INCH	-90	330
549-002	24 INCH INTEGRAL FRONT FRAME EXTENSION	140	
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 101.18 in		
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 325.88 in		
ZF1-99D	FRAME HEIGHT TOP FRONT UNLADEN : 44.61 in		
ZF2-99D	FRAME HEIGHT TOP FRONT LADEN : 40.86 in		
ZF3-99D	FRAME HEIGHT TOP REAR UNLADEN : 43.4 in		
ZF4-99D	FRAME HEIGHT TOP REAR LADEN : 40.37 in		
553-001	SQUARE END OF FRAME		
559-001	STANDARD WEIGHT ENGINE CROSSMEMBER		
561-015	STANDARD CAST ALUMINUM CROSSMEMBER BACK OF TRANSMISSION		
562-063	STANDARD CAST ALUMINUM MIDSHIP		

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Data Code	Description	Weight Front	Weight Rear
572-078	HEAVY DUTY REAR C-CHANNEL CROSSMEMBER, NON-TOWING		70
565-001	STANDARD SUSPENSION CROSSMEMBER		20
568-015	HEAVY DUTY REAR SUSPENSION CROSSMEMBER		30

Chassis Equipment

025-001	UNPOLISHED ALUMINUM WST EQUIPMENT COVERS		
556-142	PAINTED STEEL 3/16 INCH (7GA) VOCATIONAL BUMPER	40	
558-998	NO FRONT TOW HOOKS	-15	
574-001	BUMPER MOUNTING FOR SINGLE LICENSE PLATE		
551-034	CLASS 10.9 THREADED METRIC FASTENERS		
44Z-005	EXTERIOR HARNESSES WRAPPED IN ABRASION TAPE, SECONDARY COVERING, & CONNECTOR PROTECTION		
924-007	LEFT HAND SIDE HEAVY DUTY BRACKETS REQUIRED		
928-007	RIGHT HAND SIDE HEAVY DUTY BRACKETS REQUIRED		

Fuel Tanks

204-154	80 GALLON/302 LITER ALUMINUM FUEL TANK - LH	10	
218-006	25 INCH DIAMETER FUEL TANK(S)		
215-007	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH POLISHED STAINLESS STEEL BANDS		
212-007	FUEL TANK(S) FORWARD		
664-001	PLAIN STEP FINISH		
205-001	FUEL TANK CAP(S)		
216-020	EQUIFLO INBOARD FUEL SYSTEM		
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		

Tires

093-2CC	MICHELIN XZU-S2 315/80R22.5 20 PLY RADIAL FRONT TIRES	100	
094-2CM	MICHELIN X WORKS XDY 315/80R22.5 20 PLY RADIAL REAR TIRES		232

Wheels

502-356	ALCOA ULTRA ONE 89U64X 22.5X9.00 10-HUB PILOT 5.99 INSET ALUMINUM FRONT WHEELS	-14	
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Data Code	Description	Weight Front	Weight Rear
505-356	ALCOA ULTRA ONE 89U64X 22.5X9.00 10-HUB PILOT 5.99 INSET ALUMINUM REAR WHEELS		-56
524-022	POLISHED DISC SIDE FRONT WHEELS WITH DURA-BRIGHT FINISH		
525-023	POLISHED OUTER (DISHED SIDE) REAR WHEELS WITH OUTER ONLY DURA-BRIGHT FINISH		
496-011	FRONT WHEEL MOUNTING NUTS		
497-011	REAR WHEEL MOUNTING NUTS		
498-011	NYLON WHEEL GUARDS FRONT AND REAR ALL INTERFACES		
Cab Exterior			
829-053	111.6 INCH BBC CONVENTIONAL ALUMINUM CAB		
82A-028	STAINLESS STEEL CAB ACCENT MOLDING		
667-001	FRONT FENDERS		
754-017	BOLT-ON MOLDED FLEXIBLE FENDER EXTENSIONS	10	
678-068	SAFETY YELLOW INTERIOR GRAB HANDLES WITH ADDED LOWER LH AND RH A PILLAR GRAB HANDLES AND LH AND RH EXTERIOR NON-SLIP GRAB HANLDES		
65X-010	BRIGHT HOOD MOUNTED AIR INTAKE GRILLE, BLACK SCREEN, WITH LED ACCENT LIGHTS		
640-016	X-SERIES STEEL REINFORCED ALUMINUM CAB		
644-049	X-SERIES VOCATIONAL HOOD WITH ACCESS HATCH	10	
67U-001	HOOD OPENING ASSIST WITH LOCKING STRUT		
652-016	WESTERN STAR NAMEPLATES		
727-012	DUAL HADLEY SD-978 26 INCH RECTANGULAR AIR HORNS		
726-002	DUAL ELECTRIC HORNS		
575-001	REAR LICENSE PLATE MOUNT END OF FRAME		
327-064	DUAL AMBER LED CLASS I STROBE LIGHTS WITH STAINLESS STEEL BRACKETS ABOVE CAB DOORS	20	
312-095	DUAL STAGE INTELLIGENT LED HEADLIGHTS WITH HEATED LENS SYSTEM		
302-073	VISOR MOUNTED LED MARKER LIGHTS		
314-823	WIRING AND SWITCH FOR CUSTOMER FURNISHED SNOW PLOW LAMPS WITH SINGLE CONNECTION AT LH FORWARD		
311-001	DAYTIME RUNNING LIGHTS		
294-1AY	INTEGRAL LED STOP/TAIL/BACKUP LIGHTS		

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Data Code	Description	Weight Front	Weight Rear
300-043	LED SIDE TURN SIGNAL		
318-1D7	(2) FLUSH LED UTILITY LIGHTS MOUNTED BACK OF CAB/SLEEPER	6	
744-106	C-BAR MIRROR SYSTEM WITH DUAL HEATED MIRRORS WITH INTEGRAL HEATED CONVEX, DUAL REMOTE, STAINLESS STEEL BACK COVER, AND BLACK C-BAR		
796-001	102 INCH EQUIPMENT WIDTH		
743-209	LH AND RH CONVEX MIRRORS INTEGRAL WITH PRIMARY MIRRORS		
74A-001	RH DOWN VIEW MIRROR		
64A-998	NO HOOD MOUNTED BUG DEFLECTOR		
729-001	STANDARD SIDE/REAR REFLECTORS		
677-098	UNPOLISHED ALUMINUM WST AFTERTREATMENT SYSTEM COVER		
764-020	STAINLESS STEEL EXTERIOR SUN VISOR WITH INTEGRAL MARKER LIGHTS	16	
768-065	HIGH VISIBILITY 3-PIECE SOLAR TINTED REAR WINDOW, (1) 31 INCH X 20 INCH SOLAR TINTED REAR WINDOW, (2) 9 INCH X 20 INCH	20	
663-019	1-PIECE ROPED-IN SOLAR GREEN GLASS WINDSHIELD		
659-006	8 LITER (2 GAL) WINDSHIELD WASHER RESERVOIR, CAB MOUNTED, WITH FLUID LEVEL INDICATOR		
Cab Interior			
055-015	X-SERIES BASE INTERIOR TRIM LEVEL PACKAGE		
707-1C3	CHARCOAL BLACK VINYL BASE LEVEL INTERIOR		
70K-016	CARBON WITH BASE BLACK ACCENT		
772-035	BLACK MATS WITH ADDED FLOOR HEAT AND NOISE INSULATION		
785-032	(1) DASH MOUNTED POWER OUTLETS AND (1) DUAL USB CHARGING OUTPUT		
691-001	FORWARD ROOF MOUNTED CONSOLE		
693-019	LH AND RH DOOR STORAGE POCKETS INTEGRATED INTO MOLDED DOOR PANELS		
741-015	(2) COAT HOOKS ON BACKWALL OF CAB		
738-021	DIGITAL ALARM CLOCK IN DRIVER DISPLAY		
742-028	THERMOS HOLDER INBOARD OF DRIVER SEAT		
720-025	5 LB. FIRE EXTINGUISHER MOUNTED INBOARD OF DRIVER SEAT	10	

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Data Code	Description	Weight Front	Weight Rear
170-045	STANDARD HEATER PLUMBING WITH BALL SHUTOFF VALVES AT SUPPLY LINES ONLY		
698-001	RADIATOR MOUNTED AIR CONDITIONER CONDENSER		
739-034	PREMIUM INSULATION		
324-1B2	PREMIUM LED CAB LIGHTING		
787-998	NO SECURITY DEVICE		
657-001	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME		
78G-004	KEY QUANTITY OF 4		
655-028	LH AND RH ELECTRIC DOOR LOCKS WITH AUTO UNLOCK FEATURE WHEN DOOR IS SET FROM OPEN TO CLOSED POSITION		
64C-003	BLACK DOOR HANDLES		
722-028	TRIANGULAR REFLECTORS KIT WITHOUT FLARES SHIPPED LOOSE IN CAB	10	
756-1J6	PREMIUM 2.0 HIGH BACK AIR SUSPENSION DRIVER SEAT WITH 2 AIR LUMBAR, INTEGRATED CUSHION EXTENSION, TILT AND ADJUSTABLE SHOCK	20	
760-1J6	PREMIUM 2.0 HIGH BACK AIR SUSPENSION PASSENGER SEAT WITH 2 AIR LUMBAR, INTEGRATED CUSHION EXTENSION, TILT AND ADJUSTABLE SHOCK	40	15
759-005	DUAL DRIVER AND PASSENGER SEAT ARMRESTS	8	
758-139	BLACK VINYL DRIVER SEAT COVER WITH NO LOGO		
761-139	BLACK VINYL PASSENGER SEAT COVER WITH NO LOGO		
763-1AB	3 POINT HIGH VISIBILITY ORANGE ADJUSTABLE D-RING RETRACTOR DRIVER AND FIXED D-RING RETRACTOR PASSENGER SEAT BELTS		
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN		
540-044	4-SPOKE 18 INCH (450MM) BLACK STEERING WHEEL WITH SWITCHES		
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS		
Instruments & Controls			
185-004	STANDARD FOOT PEDAL SYSTEM		
106-002	ELECTRONIC ACCELERATOR CONTROL		
870-001	BLACK GAUGE BEZELS		
734-018	STANDARD CENTER INSTRUMENT PANEL		

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Data Code	Description	Weight Front	Weight Rear
840-001	DUAL NEEDLE PRIMARY AND SECONDARY AIR PRESSURE GAUGE		
198-025	INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS		
721-021	87 DB TO 112 DB SELF-ADJUSTING BACKUP ALARM		3
149-015	ELECTRONIC CRUISE CONTROL WITH CONTROLS ON STEERING WHEEL SPOKES		
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY		
339-007	AUXILIARY POWER DISTRIBUTION MODULE FOR TEM USE, AUXILIARY EVault MOUNTED, CIRCUIT BREAKER PROTECTED		
811-044	PREMIUM INSTRUMENT CLUSTER WITH 5.0 INCH TFT COLOR DISPLAY		
81B-003	DIGITAL PANEL LAMP DIMMER SWITCH IN DRIVER DISPLAY		
160-045	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR WITH DUST CAP LOCATED BELOW LH DASH		
844-001	2 INCH ELECTRIC FUEL GAUGE		
148-072	ENGINE REMOTE INTERFACE WITH ONE OR MORE SET SPEEDS		
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE		
854-008	DIGITAL ENGINE OIL TEMPERATURE IN DRIVER DISPLAY		
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE		
864-001	2 INCH TRANSMISSION OIL TEMPERATURE GAUGE		
867-004	ELECTRONIC OUTSIDE TEMPERATURE SENSOR DISPLAY IN DRIVER MESSAGE CENTER		
830-017	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY		
372-123	PTO CONTROLS FOR ENHANCED VEHICLE ELECTRIC/ELECTRONIC ARCHITECTURE		
736-998	NO OBSTACLE DETECTION SYSTEM		
73K-998	NO SIDE OBJECT DETECTION SYSTEM		
72J-998	NO DR ASSIST SYSTEM		
49B-998	NO VEHICLE STABILITY ADVISOR OR CONTROL		
73B-998	NO LANE DEPARTURE WARNING SYSTEM		
35M-011	QUICKFIT PROGRAMMABLE INTERFACE MODULE + (4) 20 AMP FUSED RELAYS	10	

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Data Code	Description	Weight Front	Weight Rear
6TS-005	TMC RP1226 ACCESSORY CONNECTOR LOCATED BEHIND PASSENGER SIDE REMOVEABLE DASH PANEL		
746-137	AM/FM/WB WORLD TUNER RADIO WITH BLUETOOTH, USB AND AUXILIARY INPUTS, J1939		
747-001	DASH MOUNTED RADIO		
750-041	STANDARD SPEAKER SYSTEM		
753-998	NO AM/FM RADIO ANTENNA		
748-006	POWER AND GROUND WIRING PROVISION OVERHEAD		
749-001	ROOF/OVERHEAD CONSOLE CB RADIO PROVISION		
751-001	SINGLE REMOTE SPEAKER WITH LEAD FOR 2- WAY RADIO		
752-004	SINGLE FIBERGLASS LH MIRROR MOUNTED CB ANTENNA WITH BRACKET AND LEAD		
75W-001	HEADLINER MULTI-BAND ANTENNA: AM/FM/WEATHERBAND, WIFI/BLUETOOTH, GNSS/GPS		
810-027	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER		
812-032	ELECTRONIC 2500 RPM TACHOMETER		
813-1C8	DETROIT CONNECT PLATFORM HARDWARE		
8D1-305	5 YEARS DAIMLER CONNECTIVITY BASE PACKAGE (FEATURES VARY BY MODEL) POWERED BY DETROIT CONNECT		
162-002	IGNITION SWITCH CONTROLLED ENGINE STOP		
329-133	FOUR EXTRA HARDWIRED SWITCHES IN DASH, ROUTE TO BETWEEN SEATS, BLUNTCUT		
4C1-025	HARDWIRE SWITCH #1, ON/OFF LATCHING, 20 AMPS IGNITION POWER		
4C2-011	HARDWIRE SWITCH #2, ON/OFF LATCHING, 30 AMPS IGNITION POWER		
4C3-017	HARDWIRE SWITCH #3, ON/OFF LATCHING, 10 AMPS BATTERY POWER		
4C4-005	HARDWIRE SWITCH #4, ON/OFF MOMENTARY, 20 AMPS IGNITION POWER		
81Y-005	PRE-TRIP INSPECTION FEATURE FOR EXTERIOR LAMPS ONLY		
842-006	DIGITAL TURBO AIR PRESSURE IN DRIVER DISPLAY		
836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY		

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Data Code	Description	Weight Front	Weight Rear
304-030	ROTARY HEADLAMP SWITCH, MARKER LIGHTS/HEADLIGHTS SWITCH WITH PULL OUT FOR OPTIONAL FOG/ROAD LAMPS		
882-009	ONE VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR		
299-020	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, HEADLAMP FLASH, WASH/WIPE/INTERMITTENT		
48H-004	QUICKFIT POWERTRAIN INTERFACE CONNECTOR UNDER CAB WITH BLUNTCUTS		
* 4CH-004	4 EXTRA PROGRAMMABLE SWITCHES/INDICATORS		
	\$A1A0000ZZ,A1B0000ZZ,A1C0000ZZ,A1D0000ZZ		
48C-004	QUICKFIT PROGRAMMABLE INTERFACE CONNECTOR(S) UNDER CAB WITH BLUNTCUTS		

Design

065-000 PAINT: ONE SOLID COLOR

Color

980-612 CAB COLOR A: L3781EY VIPER RED ELITE EY
 986-020 BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT
 964-5A1 BUMPER PAINT: L0001EY BLACK ELITE EY

Certification / Compliance

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

Secondary Factory Options

998-001 CORPORATE PDI CENTER IN-SERVICE ONLY

TOTAL VEHICLE SUMMARY

Weight Summary

	Weight Front	Weight Rear	Total Weight
Factory Weight [†]	9545 lbs	5927 lbs	15472 lbs
Dealer Installed Options	0 lbs	0 lbs	0 lbs
Total Weight[†]	9545 lbs	5927 lbs	15472 lbs

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Extended Warranty

WAI-7MC	CUMMINS ENGINE CARB COMPLIANT: X12 HD1 5 YEARS / 100,000 MILES / 161,000 KM EXTENDED WARRANTY. FEX APPLIES.
WBB-334	TC4: US HD EXTREME VOCATIONAL 5 YEARS/100,000 MILES/161,000 KM EXTENDED TRUCK COVERAGE
WAK-140	ALLISON 4500 RDS SERIES TRANSMISSION EXTENDED WARRANTY, 5 YEARS/UNLIMITED MILES FEX
WAG-042	TOWING: 5 YEARS/UNLIMITED MILES/KM EXTENDED TOWING COVERAGE \$1200 CAP FEX APPLIES

Dealer Installed Options

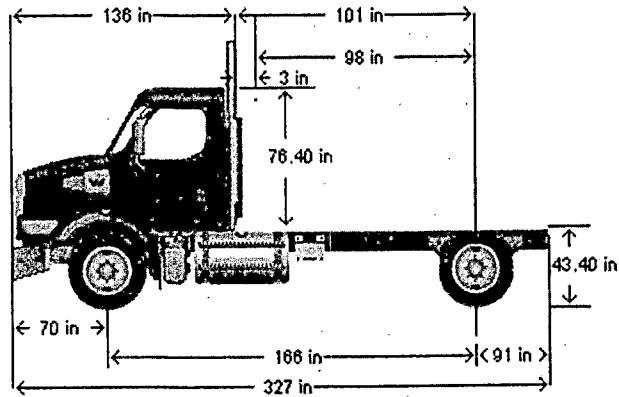
		Weight Front	Weight Rear
002	AUTO LUBE SYSTEM	0	0
Total Dealer Installed Options		0 lbs	0 lbs

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

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

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D I M E N S I O N S



VEHICLE SPECIFICATIONS SUMMARY - DIMENSIONS

Model.....	47X
Wheelbase (545).....	4225MM (166 INCH) WHEELBASE
Rear Frame Overhang (552).....	2300MM (91 INCH) REAR FRAME OVERHANG
Fifth Wheel (578).....	NO FIFTH WHEEL
Mounting Location (577).....	NO FIFTH WHEEL LOCATION
Maximum Forward Position (in).....	0
Maximum Rearward Position (in).....	0
Amount of Slide Travel (in).....	0
Slide Increment (in).....	0
Desired Slide Position (in).....	0.0
Cab Size (829).....	111.6 INCH BBC CONVENTIONAL ALUMINUM CAB
Sleeper (682).....	NO SLEEPER BOX/SLEEPER/CAB
Exhaust System (016).....	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE

TABLE SUMMARY - DIMENSIONS

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Dimension	Inches
Bumper to Back of Cab (BBC)	135.6
Bumper to Centerline of Front Axle (BA)	70.5
Front Axle to Back of Cab (AC)	65.2
Min. Cab to Body Clearance (CB)	3.0
Back of Cab to Centerline of Rear Axle(s) (CA)	101.2
Effective Back of Cab to Centerline of Rear Axle(s) (Effective CA)	98.2
Back of Cab Protrusions (Exhaust/Intake) (CP)	2.0
Back of Cab Protrusions (Side Extenders/Trim Tab) (CP)	0.0
Back of Cab Protrusions (CNG Tank)	0.0
Back of Cab Clearance (CL)	3.0
Back of Cab to End of Frame	191.8
Cab Height (CH)	76.4
Wheelbase (WB)	166.3
Frame Overhang (OH)	90.6
Overall Frame Length	325.9
Overall Length (OAL)	327.4
Rear Axle Spacing	0.0
Unladen Frame Height at Centerline of Rear Axle	43.4

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