

**APPENDIX D-4**  
**Beneficiary Eligible Mitigation Action Certification**

## BENEFICIARY ELIGIBLE MITIGATION ACTION CERTIFICATION

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Beneficiary Native Village of Kobuk

Lead Agency Authorized to Act on Behalf of the Beneficiary I-GAP  
*(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)*

<b>Action Title:</b>	Replacement of 1992 Class 8 Dump Truck
<b>Beneficiary's Project ID:</b>	VW-2020
<b>Funding Request No.</b>	<i>(sequential)</i> 1
<b>Request Type: (select one or more)</b>	<input type="checkbox"/> Reimbursement <span style="float: right;"><input checked="" type="checkbox"/> Advance</span> <input type="checkbox"/> Other (specify): _____
<b>Payment to be made to: (select one or more)</b>	<input checked="" type="checkbox"/> Beneficiary <input type="checkbox"/> Other (specify): _____
<b>Funding Request &amp; Direction (Attachment A)</b>	<input checked="" type="checkbox"/> Attached to this Certification <input type="checkbox"/> To be Provided Separately

### SUMMARY

<b>Eligible Mitigation Action</b>	<input checked="" type="checkbox"/> Appendix D-2 item (specify): <u>1 Class 8 Local Freight Truck</u>
<b>Action Type</b>	<input type="checkbox"/> Item 10 - DERA Option (5.2.12) (specify and attach DERA Proposal):
<b>Detailed Description of Mitigation Action Item Including Community and Air Quality Benefits (5.2.2):</b> See Addendum	
<b>Estimate of Anticipated NOx Reductions (5.2.3):</b> See Addendum	
<b>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):</b> See Addendum	
<b>Describe how the Beneficiary will make documentation publicly available (5.2.7.2).</b> See Addendum	
<b>Describe any cost share requirement to be placed on each NOx source proposed to be mitigated (5.2.8).</b> See Addendum	
<b>Describe how the Beneficiary complied with subparagraph 4.2.8, related to notice to U.S. Government Agencies (5.2.9).</b> See Addendum	

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).  
See Addendum

**ATTACHMENTS**  
**(CHECK BOX IF ATTACHED)**

- |                                     |                     |   |
|-------------------------------------|---------------------|---|
| <input checked="" type="checkbox"/> | <b>Attachment A</b> | <b>Funding Request and Direction.</b>   |
| <input checked="" type="checkbox"/> | <b>Attachment B</b> | <b>Eligible Mitigation Action Management Plan Including Detailed Budget and Implementation and Expenditures Timeline (5.2.4).</b>   |
| <input checked="" type="checkbox"/> | <b>Attachment C</b> | <b>Detailed Plan for Reporting on Eligible Mitigation Action Implementation (5.2.11).</b>   |
| <input checked="" type="checkbox"/> | <b>Attachment D</b> | <b>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.]</b> |
| <input type="checkbox"/>            | <b>Attachment E</b> | <b>DERA Option (5.2.12). [Attach only if using DERA option.]</b>  |
| <input type="checkbox"/>            | <b>Attachment F</b> | <b>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.]</b> |

**CERTIFICATIONS**

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

- 1. This application is submitted on behalf of Beneficiary Native Village of Kobuk, 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: 8-25-20

Carl Snyder, I-GAP Coordinator

[NAME]

[TITLE]

SIGNATURE: 

I-GAP

[LEAD AGENCY]

for

Native Village of Kobuk

[BENEFICIARY]

**[SAMPLE ATTACHMENT B - USE OF THIS FORMAT IS NOT MANDATORY]**

**PROJECT MANAGEMENT PLAN**  
**PROJECT SCHEDULE AND MILESTONES**

<b>Milestone</b>	<b>Date</b>
Lead Agency Provides Notice of Availability of Mitigation Action Funds	6/29/20
Project Sponsor Submits Proposal to Lead Agency	
Lead Agency Provides Written Approval of Project Sponsor's Proposal	
Lead Agency Incorporates Project Sponsor's Proposal into Mitigation Plan	
Trustee Acknowledges Receipt of Project Certification and Funding Direction	
Trustee Allocates Share of Funds for Approved Project	11/11/20
Lead Agency Directs Funding (Advance Funded Projects)	
Project Sponsor Obtains Cost Share, Notifies or Certifies to Lead Agency	
Project Sponsor Enters into Contracts, Purchase Orders, etc. - Start	12/11/20
Project Sponsor Enters into Contracts, Purchase Orders, etc. - Complete	
Project Installation(s) – Start	6/15/21
Project Installation(s) – Complete	10/31/21
Project Sponsor provides detailed invoices for all claimed project costs, documentation for emission reduction estimates, required certification documents to Lead Agency to support direction to Trustee for Payment (Reimbursement, Direct-to-Vendor) or final accounting (Forward Funded Projects)	-
Lead Agency completes review and certifies payment direction to Trustee (Reimbursement)	
Trustee Acknowledges Receipt of Direction for Payment(s) (Advance Funded, Reimbursement)	-
Project Sponsor Certifies Project Completion	
Lead Agency Reports Project Completion	1/31/22

**PROJECT BUDGET**

Period of Performance: <u>2020-2022</u>				
<b>Budget Category</b>	<b>Total Approved Budget</b>	<b>Share of Total Budget to be Funded by the Trust</b>	<b>Cost-Share, if applicable (Entity #1)</b>	<b>Cost-Share, if applicable (Entity #2)</b>
1. Equipment Expenditure	\$ 193,884	\$ 149,099	\$ 44,785	\$
2. Contractor Support <i>(Provide List of Approved Contractors as Attachment with approved funding ceilings)</i>	\$	\$	\$	\$
3. Subrecipient Support <i>(Provide List of Approved Subrecipients or Grant Awardees as Attachment with approved funding ceilings)</i>	\$	\$	\$	\$
4. Administrative <sup>1</sup>	\$	\$	\$	\$
<b>Project Totals</b>	<b>\$ 193884</b>	<b>\$ 149,099</b>	<b>\$ 44,785</b>	<b>\$</b>
<b>Percentage</b>	<b>100 %</b>	<b>77 %</b>	<b>23 %</b>	<b>%</b>

<sup>1</sup> Subject to Appendix D-2 15% administrative cap.

**PROJECTED TRUST ALLOCATIONS:**

	2017	2018	2019	2020	2021
1. Anticipated Annual Project Funding Request to be paid through the Trust	\$	\$	\$	\$ 149,099	\$
2. Anticipated Annual Cost Share	\$	\$	\$	\$ 44,785	\$
3. Anticipated Total Project Funding by Year (line 1 plus line 2)	\$	\$	\$	\$ 193,884	\$
4. Cumulative Trustee Payments Made to Date Against Cumulative Approved Beneficiary Allocation	\$	\$	\$	\$	\$
5. Current Beneficiary Project Funding to be paid through the Trust (line 1)	\$	\$	\$	\$	\$
6. Total Funding Allocated to for Beneficiary, inclusive of Current Action by Year (line 4 plus line 5)	\$	\$	\$	\$	\$
7. Beneficiary Share of Estimated Funds Remaining in Trust	\$	\$	\$	\$	\$
8. Net Beneficiary Funds Remaining in Trust, net of cumulative Beneficiary Funding Actions (line 7 minus line 6)	\$	\$	\$	\$	\$

## Native Village of Kobuk

### D-4 Addendum

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

The Native Village of Kobuk is responsible for hauling community business and residential trash to the local dump. The current dump truck is a 1992 Class 8 Navistar International, VIN # 2HSFEMZR5NC060450. While there is an estimated 3 years of life left in the old truck, a new one will save on fuel and reduce emissions. The old truck will be retired and replaced with a 2021 Western Star 4700SB.

The new truck will be purchased from a dealer in Anchorage, barged to Kotzebue on Lynden, then barged upriver to Kobuk – when the water is high enough - by Crowley. The final barge could be summer, fall, or spring depending on the river.

#### Estimate of Anticipated NOx Reductions (5.2.3):

According to the EPA's Diesel Emission Quantifier, replacing the old truck with a 2021 Western Star 4700SB will reduce NOx by 96%.

## Emission Results and Health Benefits for Project: Kobuk Class 8 Truck Replacement

Emission Results Health Benefits

### Emission Results <sup>?</sup>

Here are the combined results for all groups and upgrades entered for your project.<sup>1</sup>

<i>Annual Results (short tons)<sup>2</sup></i>	<b>NO<sub>x</sub></b>	<b>PM<sub>2.5</sub></b>	<b>HC</b>	<b>CO</b>	<b>CO<sub>2</sub></b>	<b>Fuel<sup>3</sup></b>
Baseline for Upgraded Vehicles/Engines	0.705	0.030	0.023	0.158	44.9	3,993
Amount Reduced After Upgrades	0.677	0.030	0.022	0.150	39.3	3,494
Percent Reduced After Upgrades	96.1%	98.2%	92.5%	95.2%	87.5%	87.5%

<i>Lifetime Results (short tons)<sup>2</sup></i>	<b>NO<sub>x</sub></b>	<b>PM<sub>2.5</sub></b>	<b>HC</b>	<b>CO</b>	<b>CO<sub>2</sub></b>	<b>Fuel<sup>3</sup></b>
Baseline for Upgraded Vehicles/Engines	2.114	0.091	0.070	0.474	134.8	11,979
Amount Reduced After Upgrades	2.031	0.090	0.065	0.451	117.9	10,482
Percent Reduced After Upgrades	96.1%	98.2%	92.5%	95.2%	87.5%	87.5%

<i>Lifetime Cost Effectiveness (\$/short ton reduced)</i>						
<b>Capital</b> Cost Effectiveness <sup>4</sup> (unit & labor costs only)	\$0	\$0	\$0	\$0	\$0	
<b>Total</b> Cost Effectiveness <sup>4</sup> (includes all project costs)	\$95,442	\$2,161,035	\$2,975,072	\$430,089	\$1,644	

<sup>1</sup> Emissions from the electrical grid are not included in the results.

#### 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):

Carl Snyder, I-GAP Coordinator for the Native Village of Kobuk, will be responsible for reviewing and auditing expenditures of Eligible Mitigation Action Funds to ensure compliance.

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

The Native Village of Kobuk will publicly post in prominent locations around the community all information related to the project and funding received from the VW settlement Trust, which will include a phone number for members of the public to request additional information and documents related to the funding request and expenditure of funds. These notices will be posted by the Native Village of Kobuk. The Native Village of Kobuk will endeavor to respond to such requests within ten(10) business days and, when documents are requested, will advise the individual within that timeframe of the procedure for reviewing such documents.

The tribe does not have ordinances or policies for matters governing the publication of confidential business information and personally identifiable information. To the extent that Tribal law does not address an issue, the Tribe may look to Alaskan law as a non-binding source of guidance.

**Describe any cost share requirement to be placed on each NOx source proposed to be mitigated (5.2.8).**

The Tribe has requested the \$44,785 cost share from both the Tribal Transportation Department and the Northwest Arctic Borough's Village Improvement Fund. One of them will help cover the cost share.

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

The Tribe was not notified by any government agency of their interest within 30 days of becoming a beneficiary.

**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).**

Not applicable.



**Native Village of Kobuk – Attachment C**  
**Detailed Plan for Reporting on Eligible Mitigation Action**  
**Implementation (5.2.11).**

Carl Snyder, I-GAP Coordinator for the Native Village of Kobuk, will complete the 6 month and following bi-annual reports for the Replacement of the 1992 Dump Truck with the 2021 Dump Truck.

Carl will make sure the chassis is cut and the engine block has been destroyed on the old dump truck.

Carl will get approval of all reports from the Council Bookkeeper and Council President before submitting the reports to Wilmington Trust.

Carl will make sure the activity is documented and posted for the community to see in prominent locations.

**Native Village of Kobuk – Attachment D  
Vendor Quotes**

Quote from Freightliner of Alaska – Dump Truck

Quote from Lynden Alaska Marine Lines – Freight from Anchorage to Kotzebue

Quote from Crowley Fuels LLC – Freight from Kotzebue to Kobuk

**Prepared for:**  
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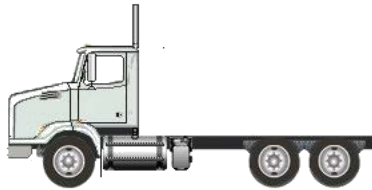
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*A proposal for*  
**NATIVE VILLAGE OF KOBUK**

*Prepared by*  
**FREIGHTLINER OF ALASKA**  
*Stephen Leo*

*Jun 08, 2020*

**Western Star 4700SB**



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



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## Q U O T A T I O N

### 4700 SET-BACK FRONT AXLE CHASSIS

SET BACK AXLE - TRUCK  
 CUM L9 370 HP @ 2000 RPM, 2100 GOV RPM, 1250  
 LB/FT @ 1400 RPM  
 ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH  
 PTO PROVISION  
 RT-46-160P 46,000# R-SERIES TANDEM REAR AXLE  
 TUFTRAC 46,000# REAR SPRING SUSPENSION

MFS-14-143A 14,700# FF1 71.5 INCH KPI/3.74 INCH  
 DROP SINGLE FRONT AXLE  
 14,600# TAPERLEAF FRONT SUSPENSION  
 110 INCH BBC STEEL CONVENTIONAL CAB  
 4675MM (184 INCH) WHEELBASE  
 11/32X3-1/2X10-15/16 INCH STEEL FRAME  
 (8.73MMX277.8MM/0.344X10.94 INCH) 120KSI  
 1700MM (67 INCH) REAR FRAME OVERHANG

		PER UNIT	TOTAL
VEHICLE PRICE	<b>TOTAL # OF UNITS (1)</b>	\$ 122,892	\$ 122,892
EXTENDED WARRANTY		\$ 0	\$ 0
WILLIAMSON GODWIN DUMP BODY		\$ 29,401	\$ 29,401
<b>CUSTOMER PRICE BEFORE TAX</b>		<b>\$ 152,293</b>	<b>\$ 152,293</b>
<b>TAXES AND FEES</b>			
FEDERAL EXCISE TAX (FET)		\$ 17,968	\$ 17,968
TAXES AND FEES		\$ 0	\$ 0
OTHER CHARGES		\$ 0	\$ 0
<b>TRADE-IN</b>			
<b>TRADE-IN ALLOWANCE</b>		\$ (0)	\$ (0)
<b>BALANCE DUE</b>	<b>(LOCAL CURRENCY)</b>	<b>\$ 170,261</b>	<b>\$ 170,261</b>

**\* \* \* \* P L E A S E   N O T   T H A T   F E T ( F E D E R A L  
 E X C I S E   T A X )   D O E S   A P P L Y   U N L E S S   A N  
 E X E M P T I O N   I S   P R O V I D E D \* \* \* \***



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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
<b>Price Level</b>			
PRL-23T	WESTERN STAR 4700 PRL-23T (EFF:01/21/20)		
<b>Data Version</b>			
DRL-020	SPECPRO21 DATA RELEASE VER 020		
<b>Vehicle Configuration</b>			
001-451	4700 SET-BACK FRONT AXLE CHASSIS	9,215	6,480
004-221	2021 MODEL YEAR SPECIFIED		
002-004	SET BACK AXLE - TRUCK		
019-001	TRAILER TOWING PROVISION AT END OF FRAME FOR TRUCK	10	10
003-001	LH PRIMARY STEERING LOCATION		
<b>General Service</b>			
AA1-003	TRUCK/TRAILER CONFIGURATION		
AA6-001	DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
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		
995-1A5	WESTERN STAR VOCATIONAL WARRANTY		
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 14000.0 lbs		
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 46000.0 lbs		
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 60000.0 lbs		
A70-99D	EXPECTED GROSS COMBINATION WEIGHT : 80000.0 lbs		

Application Version 11.2.313  
 Data Version PRL-23T.020  
 KOBUK DUMP TRUCK



06/08/2020 1:54 PM

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Data Code	Description	Weight Front	Weight Rear
<b>Truck Service</b>			
AA3-004	END DUMP BODY		
A88-99D	EXPECTED TRUCK BODY LENGTH : 14.0 ft		
AF7-99D	EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES : 32.0 in		
<b>Tractor Service</b>			
AA2-023	FRAMED END DUMP (NON-TRANSFER) TRAILER		
AH6-001	SINGLE (1) TRAILER		
<b>Engine</b>			
101-22V	CUM L9 370 HP @ 2000 RPM, 2100 GOV RPM, 1250 LB/FT @ 1400 RPM	-850	-70
<b>Electronic Parameters</b>			
79A-071	71 MPH ROAD SPEED LIMIT		
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT		
79K-009	PTO MODE ENGINE RPM LIMIT - 1200 RPM		
79M-001	PTO MODE BRAKE OVERRIDE - SERVICE BRAKE APPLIED		
79P-002	PTO RPM WITH CRUISE SET SWITCH - 700 RPM		
79Q-003	PTO RPM WITH CRUISE RESUME SWITCH - 800 RPM		
79S-001	PTO MODE CANCEL VEHICLE SPEED - 5 MPH		
79U-007	PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND		
80G-002	PTO MINIMUM RPM - 700		
80J-002	REGEN INHIBIT SPEED THRESHOLD - 5 MPH		
<b>Engine Equipment</b>			
99C-017	2016-2019 ONBOARD DIAGNOSTICS/2010 EPA/CARB/FINAL GHG17 CONFIGURATION		
99Z-004	VEHICLE IS SUBJECT TO EPA GHG14/GHG17, D OES NOT HAVE REGULATORY VEHICLE SPEED LIMITER (VSL) OR AUTOMATIC ENGINE SHUTDOWN(AES)		
99D-011	2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD CORNER OF DRIVER DOOR)		
13E-001	STANDARD OIL PAN		
105-001	ENGINE MOUNTED OIL CHECK AND FILL		
133-004	ONE PIECE VALVE COVER		



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Data Code	Description	Weight Front	Weight Rear
014-1B5	SIDE OF HOOD AIR INTAKE WITH DONALDSON HIGH CAPACITY AIR CLEANER WITH Safety ELEMENT, FIREWALL MOUNTED		
124-1D7	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE		
292-216	(3) DTNA GENUINE, AGM STARTING AND CYCLING, MIN 2190CCA, 570RC, THREADED STUD BATTERIES		
290-1AC	PASSENGER SEAT BATTERY BOX VENTED TO OUTSIDE OF CAB		
282-013	BATTERY BOX MOUNTED UNDER PASSENGER SEAT		
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		
289-006	PLASTIC BATTERY BOX COVER		
293-073	POSITIVE LOAD DISCONNECT WITH DASH MOUNTED CONTROL SWITCH WITH LOCKING PROVISION	8	
295-029	POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER	2	
306-019	LOW VOLTAGE BATTERY DISCONNECT AT 12.3 VOLTS FOR ISOLATED CIRCUITS WITH LOCAL ALARM		
107-032	CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE		
131-013	AIR COMPRESSOR DISCHARGE LINE		
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM		
128-037	C-BRAKE BY JACOBS WITH HIGH MED LOW BRAKE	80	
016-1C2	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE		
28F-002	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST 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-003	23 GALLON DIESEL EXHAUST FLUID TANK	35	20
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL		

Application Version 11.2.313  
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 KOBUK DUMP TRUCK



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Data Code	Description	Weight Front	Weight Rear
23Y-001	STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING		
23Z-002	NON-POLISHED ALUMINUM DIAMOND PLATE DIESEL EXHAUST FLUID TANK COVER	20	10
43X-002	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION		
242-001	STAINLESS STEEL AFTERTREATMENT DEVICE/MUFFLER/TAILOPIPE SHIELD		
273-018	HORTON DRIVEMASTER ADVANTAGE ON/OFF FAN DRIVE		
276-001	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED		
110-003	CUMMINS SPIN ON FUEL FILTER		
118-008	COMBINATION FULL FLOW/BYPASS OIL FILTER		
120-008	PENRAY NEED RELEASE WATER FILTER	10	
266-017	1300 SQUARE INCH ALUMINUM RADIATOR	-20	
267-006	MOUNTING FOR FIREWALL MOUNTED SURGE TANK		
103-037	ANTIFREEZE TO -60F, ETHYLENE GLYCOL PRE-CHARGED SCA HEAVY DUTY COOLANT		
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT		
172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES		
270-016	RADIATOR DRAIN VALVE		
168-998	NO RADIATOR/OIL PAN GUARD	-5	
138-011	PHILLIPS-TEMRO 1000 WATT/115 VOLT BLOCK HEATER	4	
166-002	PHILLIPS-TEMRO 150 WATT/115 VOLT OIL PREHEATER	4	
140-022	CHROME ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR		
134-001	ALUMINUM FLYWHEEL HOUSING		
132-004	ELECTRIC GRID AIR INTAKE WARMER		
155-055	DELCO 12V 39MT HD/OCP STARTER WITH THERMAL PROTECTION AND INTEGRATED MAGNETIC SWITCH		

**Transmission**

342-582	ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	-110	-35
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**Transmission Equipment**





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Data Code	Description	Weight Front	Weight Rear
343-339	ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV		
84B-002	ALLISON VOCATIONAL RATING FOR CONCRETE MIXER APPLICATIONS ONLY AVAILABLE WITH 3000 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		
84N-200	FUEL SENSE 2.0 DISABLED - PERFORMANCE - TABLE BASED		
85P-998	NO REAR PTO TRANSMISSION RANGE		
341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN		
345-003	PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED		
97G-004	TRANSMISSION PROGNOSTICS - ENABLED 2013		
370-015	WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK		
346-003	TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK		
35T-001	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)		

**Front Axle and Equipment**

400-099	MFS-14-143A 14,700# FF1 71.5 INCH KPI/3.74 INCH DROP SINGLE FRONT AXLE	-130	
402-049	MERITOR 16.5X5 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES	-10	

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 Data Version PRL-23T.020  
 KOBUK DUMP TRUCK



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Data Code	Description	Weight Front	Weight Rear
403-002	NON-ASBESTOS FRONT BRAKE LINING		
419-023	CONMET CAST IRON FRONT BRAKE DRUMS		
427-001	FRONT BRAKE DUST SHIELDS	5	
409-006	FRONT OIL SEALS		
408-001	VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL		
416-022	STANDARD SPINDLE NUTS FOR ALL AXLES		
405-002	MERITOR AUTOMATIC FRONT SLACK ADJUSTERS		
406-001	STANDARD KING PIN BUSHINGS		
536-012	TRW TAS-85 POWER STEERING		
539-003	POWER STEERING PUMP		
534-003	4 QUART POWER STEERING RESERVOIR	5	
618-002	STANDARD CUPS AND CONES (WHEEL BEARINGS) FRONT AND REAR		
40T-004	GUARANTEED NAME BRAND "ROADRANGER SYNTHETIC" FE 75W-90 FRONT AXLE LUBE		

**Front Suspension**

620-010	14,600# TAPERLEAF FRONT SUSPENSION	-100	
619-002	THREADED SPRING PINS AND BUSHINGS - FRONT SUSPENSION		
410-001	FRONT SHOCK ABSORBERS		

**Rear Axle and Equipment**

420-111	RT-46-160P 46,000# R-SERIES TANDEM REAR AXLE		500
421-563	5.63 REAR AXLE RATIO		
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		
386-073	MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES	-30	-30
388-073	MXL 17T MERITOR EXTENDED LUBE INTERAXLE DRIVELINE WITH HALF ROUND YOKES		
452-006	DRIVER CONTROLLED TRACTION DIFFERENTIAL - BOTH TANDEM REAR AXLES		30
878-023	(1) INTERAXLE LOCK VALVE, (1) DRIVER CONTROLLED DIFFERENTIAL LOCK FORWARD- REAR AND REAR-REAR AXLE VALVE		
87A-005	INDICATOR LIGHT FOR EACH INTERAXLE LOCKOUT SWITCH		
87B-008	INDICATOR LIGHT FOR EACH DRIVER CONTROLLED TRACTION DEVICE SWITCH		



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Data Code	Description	Weight Front	Weight Rear
423-019	MERITOR 16.5X8.62 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
433-002	NON-ASBESTOS REAR BRAKE LINING		
434-011	BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S)		
451-023	CONMET CAST IRON REAR BRAKE DRUMS		
425-002	REAR BRAKE DUST SHIELDS		10
440-006	REAR OIL SEALS		
426-101	WABCO TRISTOP D LONGSTROKE 2-DRIVE AXLE SPRING PARKING CHAMBERS		
428-003	HALDEX AUTOMATIC REAR SLACK ADJUSTERS		
41T-003	GUARANTEED NAME BRAND "ROADRANGER SYNTHETIC" FE 75W-90 REAR AXLE LUBE		

### Rear Suspension

622-286	TUFTRAC 46,000# REAR SPRING SUSPENSION		490
621-055	TUFTRAC STANDARD RIDE HEIGHT		
431-003	AXLE CLAMPING GROUP		
624-028	56 INCH AXLE SPACING		
623-006	FORE/AFT AND TRANSVERSE CONTROL RODS		
439-002	REAR SHOCK ABSORBERS - TWO AXLES (TANDEM)		40

### Brake System

490-100	WABCO 4S/4M ABS		
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES		
904-001	FIBER BRAID PARKING BRAKE HOSE		
412-001	STANDARD BRAKE SYSTEM VALVES		
432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE		
480-088	WABCO SYSTEM SAVER HP WITH INTEGRAL AIR GOVERNOR AND HEATER		
483-004	WABCO OIL COALESCING FILTER FOR AIR DRYER		
479-003	AIR DRYER MOUNTED INBOARD ON LH RAIL		
460-001	STEEL AIR BRAKE RESERVOIRS		
477-004	PULL CABLES ON ALL AIR RESERVOIR(S)		

### Trailer Connections

914-001	AIR CONNECTIONS TO END OF FRAME WITH GLAD HANDS FOR TRUCK AND NO DUST COVERS		
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Data Code	Description	Weight Front	Weight Rear
296-010	PRIMARY CONNECTOR/RECEPTACLE WIRED FOR SEPARATE STOP/TURN, ABS CENTER PIN POWERED THROUGH IGNITION		
297-001	SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME		
1AZ-998	NO TRAILER RECEPTACLE BRACKET		
<b>Wheelbase &amp; Frame</b>			
545-467	4675MM (184 INCH) WHEELBASE		
546-101	11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8MM/0.344X10.94 INCH) 120KSI	190	-80
552-034	1700MM (67 INCH) REAR FRAME OVERHANG		
55W-006	FRAME OVERHANG RANGE: 61 INCH TO 70 INCH		
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 120.75 in		
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 117.75 in		
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 281.07		
ZF1-99D	FRAME HEIGHT TOP FRONT UNLADEN : 41.84 in		
ZF2-99D	FRAME HEIGHT TOP FRONT LADEN : 39.2 in		
ZF3-99D	FRAME HEIGHT TOP REAR UNLADEN : 43.79 in		
ZF4-99D	FRAME HEIGHT TOP REAR LADEN : 41.29 in		
FSS-0LH	CALCULATED FRAME SPACE LH SIDE : 12.72 in		
FSS-0RH	CALCULATED FRAME SPACE RH SIDE : 172.56 in		
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE : 120.69 in		
553-001	SQUARE END OF FRAME		
587-038	PREMIER #2200 AIR PINTLE HITCH		30
588-008	TOW HITCH VERTICAL REF: PLUS 5.25 INCH, MEASURED UP FROM THE TOP OF THE LOWER FRAME FLANGE		
559-001	STANDARD WEIGHT ENGINE CROSSMEMBER		
561-001	STANDARD CROSSMEMBER BACK OF TRANSMISSION		
562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)		
572-009	5/16 INCH STEEL TOWING CROSSMEMBER AND A-FRAME WITH CLEVIS AND PIN ATTACHMENT - 40,000# CAPACITY	-40	220
565-002	HEAVY DUTY SUSPENSION CROSSMEMBER		
568-001	STANDARD WEIGHT REAR SUSPENSION CROSSMEMBER		



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Data Code	Description	Weight Front	Weight Rear
<b>Chassis Equipment</b>			
556-1E5	14 INCH PAINTED STEEL BUMPER		
574-001	BUMPER MOUNTING FOR SINGLE LICENSE PLATE		
586-015	FRONT ANTI-SPRAY CAB MOUNTED MUDFLAPS		
551-007	GRADE 8 THREADED HEX HEADED FRAME FASTENERS		
44Z-002	EXTERIOR HARNESES WRAPPED IN ABRASION TAPE		
<b>Fuel Tanks</b>			
204-156	100 GALLON/378 LITER ALUMINUM FUEL TANK - LH	20	
218-006	25 INCH DIAMETER FUEL TANK(S)		
215-005	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS		
212-007	FUEL TANK(S) FORWARD		
664-001	PLAIN STEP FINISH		
205-001	FUEL TANK CAP(S)		
122-1H7	DAVCO 245 FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR	20	
216-020	EQUIFLO INBOARD FUEL SYSTEM		
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		
<b>Tires</b>			
093-1RJ	MICHELIN X WORKS Z 315/80R22.5 20 PLY RADIAL FRONT TIRES	100	
094-1UX	MICHELIN X MULTI D 11R22.5 14 PLY RADIAL REAR TIRES		192
<b>Hubs</b>			
418-060	CONMET PRESET PLUS PREMIUM IRON FRONT HUBS		
450-058	CONMET PRESET PLUS PREMIUM ALUMINUM REAR HUBS		-60
<b>Wheels</b>			
502-356	ALCOA ULTRA ONE 89U64X 22.5X9.00 10-HUB PILOT 5.99 INSET ALUMINUM FRONT WHEELS	-28	
505-693	ALCOA LVL ONE 88267X 22.5X8.25 10-HUB PILOT ALUMINUM DISC REAR WHEELS		-200
50T-998	NO FRONT AXLE WHEEL/HUB COVER		
496-011	FRONT WHEEL MOUNTING NUTS		



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Data Code	Description	Weight Front	Weight Rear
497-011	REAR WHEEL MOUNTING NUTS		
<b>Cab Exterior</b>			
829-1A8	110 INCH BBC STEEL CONVENTIONAL CAB		
82A-008	WESTERN STAR STAINLESS STEEL CAB SKIRT		
650-044	AIR CAB MOUNTS WITH CHECK VALVE		
648-002	NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE		
667-001	FRONT FENDERS		
754-001	2 INCH FENDER EXTENSIONS	5	
678-034	LH AND RH EXTERIOR GRAB HANDLES WITH RUBBER INSERTS AND RH INTERIOR GRAB HANDLE MOUNTED TO A POST		
646-008	STATIONARY BRIGHT FINISH GRILLE		
65X-003	CHROME HOOD MOUNTED AIR INTAKE GRILLE		
640-008	GALVANEALD STEEL SEVERE SERVICE CAB		
644-004	FIBERGLASS HOOD		
727-019	SINGLE HADLEY SD-978 26 INCH RECTANGULAR AIR HORN	-4	
726-001	SINGLE ELECTRIC HORN		
728-001	SINGLE HORN SHIELD		
657-1AF	DOORS AND IGNITION KEYED THE SAME (3 KEYS)		
575-001	REAR LICENSE PLATE MOUNT END OF FRAME		
327-002	AMBER CENTER ROOF MOUNTED STROBE LIGHT		
312-031	SINGLE RECTANGULAR H4 HALOGEN HEADLIGHTS WITH BRIGHT BEZELS		
302-022	LED MARKER LAMPS		
314-808	WIRING AND SWITCH ONLY FOR CUSTOMER FURNISHED DRIVING/ROAD LIGHTS	6	
294-001	INTEGRAL STOP/TAIL/BACKUP LIGHTS		
300-015	STANDARD FRONT TURN SIGNAL LAMPS		
318-004	(2) FLUSH UTILITY LIGHTS MOUNTED BACK OF CAB/SLEEPER	6	
31K-1A1	(2) CHROME INCANDESCENT UTILITY LIGHTS WITH STAINLESS STEEL ANTI-GLARE SHIELDS MOUNTED ON MIRROR ARMS	6	
744-1E0	DUAL WEST COAST STAINLESS STEEL HEATED MIRRORS WITH LH AND RH REMOTE		
797-001	DOOR MOUNTED MIRRORS		
796-001	102 INCH EQUIPMENT WIDTH		



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Data Code	Description	Weight Front	Weight Rear
743-1AA	LH AND RH SUREPLUS 574 8 INCH BRIGHT FINISH HEATED CONVEX MIRRORS WITH SEPARATE ADJUSTMENT, MOUNTED BELOW MIRROR		
74A-001	RH DOWN VIEW MIRROR		
729-001	STANDARD SIDE/REAR REFLECTORS		
787-020	ELECTRIC DOOR LOCKS, MECHANICAL KEY TUMBLER		
764-002	STAINLESS STEEL EXTERIOR SUN VISOR	28	
768-046	17.5X35 INCH TINTED REAR WINDOW		
661-006	TINTED DOOR GLASS		
654-011	RH AND LH ELECTRIC POWERED WINDOWS	4	
663-002	2-PIECE ROPED-IN WINDSHIELD GASKET MOUNTED		
659-026	2 GALLON WINDSHIELD WASHER RESERVOIR WITH FLUID LEVEL INDICATOR, MOUNTED UNDER CAB, WITH REMOTE FILL		
647-001	WHITE WINTERFRONT	2	

**Cab Interior**

707-1D3	PRAIRIE BUCKSKIN VINYL PREMIUM INTERIOR		
70K-007	TAN HARD TRIM		
706-048	PREMIUM LEFT HAND DOOR TRIM WITH CHERRY ACCENT		
708-048	PREMIUM RIGHT HAND DOOR TRIM WITH CHERRY ACCENT		
772-007	BLACK MATS WITH DOUBLE INSULATION		
785-023	ASH CUP AND LIGHTER		
691-001	FORWARD ROOF MOUNTED CONSOLE		
693-025	LH AND RH DOOR MAP POCKETS		
741-015	(2) COAT HOOKS ON BACKWALL OF CAB		
742-032	(1) DOUBLE CUP HOLDER WITH CELL PHONE HOLDER LH OR RH DASH		
680-035	TWO-TONE CHARCOAL UPPER/BUCK TAN LOWER SOFT TOUCH WING DASH WITH BLACK DRIVER SIDE COSMETIC UNDER DASH COVER		
320-004	STANDARD WIRING		
700-023	HEATER, DEFROSTER AND AIR CONDITIONER WITH CONSTANT TEMPERATURE CONTROL AND COSMETIC COVER		
701-016	HVAC DUCTING WITH FOAM MAIN FRESH AIR FILTER		
703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH		



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Data Code	Description	Weight Front	Weight Rear
170-015	STANDARD HEATER PLUMBING		
130-041	VALEO HEAVY DUTY A/C REFRIGERANT COMPRESSOR		
698-001	RADIATOR MOUNTED AIR CONDITIONER CONDENSER		
702-002	BINARY CONTROL, R-134A		
739-001	CAB INSULATION		
285-033	AUTOMATIC SELF-RESET CIRCUIT BREAKERS/FUSES IN DASH POWER DISTRIBUTION BOXES AND FUSES IN AUXILIARY POWER DISTRIBUTION BOXES		
324-075	DOOR ACTIVATED DOME LIGHT, UNDER DASH LIGHT AND LH AND RH DOOR MOUNTED COURTESY LIGHTS		
655-005	LH AND RH ELECTRIC DOOR LOCKS		
284-112	(2) 12 VOLT POWER RECEPTACLES PLATE MOUNTED IN DASH		
722-028	TRIANGULAR REFLECTORS KIT WITHOUT FLARES SHIPPED LOOSE IN CAB	10	
756-1DD	BASIC HIGH BACK AIR SUSPENSION DRIVER SEAT WITH 1 CHAMBER AIR LUMBAR, INTEGRATED CUSHION EXTENSION AND REAR CUSHION TILT		
760-294	BATTERY BOX MID BACK NON SUSPENSION PASSENGER SEAT		
757-001	BLACK SUSPENSION COVER FOR AIR DRIVER SEAT	2	
759-007	DUAL DRIVER SEAT ARMRESTS, NO PASSENGER SEAT ARMRESTS	4	
758-1AA	GRAY VINYL DRIVER SEAT COVER		
761-1AA	GRAY VINYL PASSENGER SEAT COVER		
763-003	3 POINT DRIVER AND PASSENGER SEAT BELT RETRACTORS		
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN		
540-045	4-SPOKE 18 INCH (450MM) LEATHER WRAPPED STEERING WHEEL WITH SWITCHES		
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS		

**Instruments & Controls**

185-002	NON-ADJUSTABLE SUSPENDED PEDALS
106-002	ELECTRONIC FOOT ACCELERATOR
870-002	BRIGHT ARGENT FINISH GAUGE BEZELS

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Data Code	Description	Weight Front	Weight Rear
732-047	FIGURED CHERRY WOODGRAIN ULTRA GLOSS FINISH DRIVER INSTRUMENT PANEL		
734-047	FIGURED CHERRY WOODGRAIN ULTRA GLOSS FINISH CENTER INSTRUMENT PANEL		
486-001	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM		
840-002	2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES		
198-002	INTAKE MOUNTED AIR RESTRICTION INDICATOR WITH GRADUATIONS		
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		
811-041	ICU4ME DRIVER MESSAGE CENTER WITH GRAPHICAL DISPLAY, BLACK FACE GAUGES, DIAGNOSTICS AND DATA LINKED		
160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH		
844-001	2 INCH ELECTRIC FUEL GAUGE		
148-003	PROGRAMMABLE RPM CONTROL - ELECTRONIC ENGINE		
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE		
864-001	2 INCH TRANSMISSION OIL TEMPERATURE GAUGE		
867-004	ELECTRONIC OUTSIDE TEMPERATURE SENSOR DISPLAY IN DRIVER MESSAGE CENTER		
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE		
746-115	AM/FM/WB WORLD TUNER RADIO WITH BLUETOOTH AND USB AND AUXILIARY INPUTS, J1939	10	
747-002	ROOF/OVERHEAD CONSOLE MOUNTED RADIO		
750-004	(4) RADIO SPEAKERS IN CAB		
748-019	COBRA 29 WX ST FACTORY INSTALLED CB RADIO WITH WEATHERBAND	5	
749-001	ROOF/OVERHEAD CONSOLE CB RADIO PROVISION		
752-017	MULTI-BAND AM/FM/WB/CB LH MIRROR MOUNTED ANTENNA SYSTEM		
810-042	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITH ODOMETER		
817-001	STANDARD VEHICLE SPEED SENSOR		

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Data Code	Description	Weight Front	Weight Rear
812-001	ELECTRONIC 3000 RPM TACHOMETER		
813-998	NO VEHICLE PERFORMANCE MONITOR	-5	
162-002	IGNITION SWITCH CONTROLLED ENGINE STOP		
329-002	TWO EXTRA SWITCHES IN DASH		
482-001	BW TRACTOR PROTECTION VALVE		
883-001	TRAILER HAND CONTROL BRAKE VALVE		
836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY		
660-001	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY AND ARCTIC TYPE BLADES		
304-043	CAB/TRAILER MARKER LIGHT SWITCH WITH SEPARATE HEADLIGHT SWITCH WITH HEADLIGHT/MARKER LIGHT INTERRUPTER SWITCHES ON STEERING WHEEL		
882-004	TWO VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR		
299-039	SELF CANCELING TURN SIGNAL SWITCH, HEADLAMP HIGH/LOW AND FLASH, WASH/WIPE/INTERMITTENT		
298-036	PACIFIC INSIGHT ELECTRONIC FLASHER		

### Design

065-000 PAINT: ONE SOLID COLOR

### Color

980-5F6 CAB COLOR A: L0006EY WHITE ELITE EY  
 96J-001 CAB INTERIOR PAINTED SAME AS CAB COLOR  
 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  
 95M-998 NO CUSTOMER FURNISHED MATERIAL SPECIFIED  
 99B-023 SHIP TO CARCO MANUFACTURING (TUALATIN, OR) PRIOR TO DELIVERY

### Raw Performance Data

AE4-99D CALC'D FRAME LENGTH - OVERALL : 281.07  
 AE8-99D CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 117.75 in



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Data Code	Description	Weight Front	Weight Rear
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE : 120.69 in		

**Sales Programs**

PMY-2X2	STARQUOTE STOCK TRUCK SALES PROGRAM		
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**TOTAL VEHICLE SUMMARY**

**Weight Summary**

	Weight Front	Weight Rear	Total Weight
Factory Weight <sup>+</sup>	8484 lbs	7557 lbs	16041 lbs
Dealer Installed Options	0 lbs	0 lbs	0 lbs
<b>Total Weight<sup>+</sup></b>	<b>8484 lbs</b>	<b>7557 lbs</b>	<b>16041 lbs</b>

**Dealer Installed Options**

		Weight Front	Weight Rear
002	WILLIAMSON GODWIN DUMP BODY. 15.9 YD	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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Stephen Leo  
FREIGHTLINER OF ALASKA  
2143 VAN HORN ROAD  
FAIRBANKS, AK 99701  
Phone: 907-563-3238



### Body Features

- WG15-4855HL-II Williamsen-Godwin Dump Body, 15' Long 15.9 CY, 62" high front, 48" tall sides, 55" tailgate, 86" I.D. x 98" O.D. (100% continuous welded)
- Front end: 62" High 3/16" AR450 steel, top cap and stiffeners to be 1/4" Domex 100K steel
- Inboard cylinder housing for Williamsen inverted lift hoist.
- Sides constructed of single wall construction 1/4" AR450 steel sides with full length 6" double sloping top rail, and 6" deep sloping bottom rail. Rear corner post is boxed 7Ga. grade 50 hi-strength steel, 6" wide extra deep for added strength at rear end. Upper tailgate hinges are recessed. Recessed tail lights. Note: No front corner posts, No sideboard provisions.
- Sloping tailgate, (55") 10 ga. grade 50 hi-strength steel, boxed perimeter, sloped bracing, two formed horizontal sloping center brace, 1/4" AR450 steel inner panel to form double wall. 1" flame cut hi-tensile steel upper hinge, 1-1/4" hinge pins with greaseless bushings, 1-1/4" solid steel cross shaft, 5/8" flame cut hi-tensile steel over lock hardware, tailgate locked by over center hardware at rear of body.
- Air tailgate with over center locking hardware with spring brake type air cylinder, electric over air control, valve, and electric toggle switch nylon air tubing, fitting, etc. for electric over air operation.
- Spreader chains 3/8" chain, bolted to rear bar with chain catches on tailgate.
- Air operated high lift double hinged tailgate raises 15" above corner post; includes 1/4" AR steel corner posts back plate. Cylinders mounted in rear posts.
- Floor, 1/4" AR450 quenched and tempered abrasion resistant steel floor, one piece (No Seams) with radius from side to floor.



**Prepared for:**  
CARL SNYDER  
NATIVE VILLAGE OF KOBUK  
PO Box 51039  
KOBUK, AK 99751  
Phone: 907-948-2007



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- Understructure, is crossmemberless with 8" x 15# wide flange structural steel "I" beam longitudinals. 1/4" full width, 8" deep rear cross member with return flanges.
- Base lift trunion mounted, telescopic hoist NTEA Class 120 Cylinder, includes the following: body guides, front lift cylinder mount, cylinder to body liftstraps and dual body safety props. Body lift straps are greasable.
- Rear hinge assembly is angle iron type with composite bushings, greasless design.
- Cab Protector 20" x 74" x 5" riser, 10 gauge 50 steel.

### Hydraulics

- Hot Shift PTO for Allison transmission.
- C102D direct mount hyd. pump and valve combo (CCW), Single lever console and lever control for body up/down (84" Cable).
- 37 gallon reservoir with sight screen and gauge.

### Lighting & Electrical

- 6" oval LED sealed light system: LED side clearance lights and rear marker lights, LED combination stop, tail, and turn lights, LED back up lights recessed into rear corner post, LED rear I.C.C. lights furnished with mount bracket and sealed wiring harness, separate reflectors.

### Paint

- Sandblasted and prepped, primer painted with high impact resistant urethane light gray primer.
- Body interior and exterior prepped and powder coated White. Cab to be painted Ford Z1 White for best color match





<b>Requested by:</b> Carl L Snyder	<b>Phone:</b> (907) 948-2007	<b>Origin:</b> Anchorage, AK	<b>Destination:</b> Kotzebue, AK
<b>Company:</b> Native Village of Kobuk	<b>Fax/Email:</b> Kobuk IGAP@outlook.com	<b>Ship date:</b>	<b>Bid Date:</b>
<b>Address:</b>	<b>Prepared by:</b> Ben Owens	<b>Preparer phone:</b> 206-254-2596	<b>Preparer email:</b> bowens@lynden.com
<b>City, state, zip:</b>	<b>Description:</b> Dump Truck		

Dump Truck				Ship date:				Dock to Dock						
Origin: Anchorage, AK		POL: ANCHORAGE		POD: KOTZEBUE		Destination: Kotzebue, AK								
Qty	Item No.	Pkg. Type	Description	Length	Width	Height	Weight	Min Qty	Rated As	Rate	Basis	Estimate	Ttl. Weight	
1	1740-002	EACH	Breakbulk - Kobuk IGAP@outlook.com	24' 10"	8' 0"	13' 0"	16,041	1	24.83	\$481.00	PLF	\$11,943.23	16,041	
<b>Fuel Surcharge:</b> Rates are subject to Carrier's applicable fuel surcharge in effect at the time of shipment.														
							SFT: 198.67 / CFT: 2582.67					SUBTOTAL:	\$11,943.23	16,041
							SFT: 198.67 / CFT: 2582.67					<b>TOTAL ESTIMATE:</b>	<b>\$11,943.23</b>	<b>16,041</b>

FOR SHIPMENTS FROM ANCHORAGE TO WESTERN ALASKA: Please deliver cargo to 660 Western Drive, Anchorage, AK 99501. Toll-Free: 1-800-426-3113

**Fuel Surcharge:** Rates are subject to Carrier's applicable fuel surcharge in effect at the time of shipment.

Please make a Booking with Customer Service and reference quote number to ensure proper rating.

Rates herein are valid for 30 days from the date shown above.

Rates apply between Carrier's terminals only, and do not include pickup or delivery.

Rates and charges stated herein are estimates based on the shipment specifications provided, including, but not limited to, cargo description, dimensions, and weight, as well as requested origin and destination points, and shall not be construed as a tariff. Freight charges shall be assessed based on the actual weight, dimensions and services provided as verified when cargo is received.

Automobiles must be prepaid in full prior to shipment.

Vehicles received for shipment must not have over one-quarter (1/4) tank combustible fuels. Vehicles received containing more than 1/4 tank of fuel will be assessed an Excess Fuel Drain charge as per Carrier's tariff STB AKMR 100, series, Rule 987.

Gross Vehicle Weight Rating (GVWR) for Autos: Vehicles may not exceed the maximum, legal gross weight as specified by the manufacturer, autos/vehicles will be inspected prior to Carrier accepting receipt of the auto/vehicle to verify the published legal gross vehicle weight. Owners of an auto/vehicle exceeding the legal gross vehicle weight may opt to either remove cargo from the auto/vehicle to lower its weight or proceed to warehouse receiving for the transfer of excess cargo weight to pallets, cargo transferred from the auto/vehicle to pallets will be billed as less than container load (LCL) cargo at the appropriate commodity rates as listed in this tariff. The gross vehicle weight can typically be found stamped on the inside of the driver door jam.

Diesel powered vehicles or machinery transported during the cold weather months will need to be winterized for shipment. Carrier has no liability for this cargo if the customer fails to properly winterize their vehicle or machinery.

If through no fault of the carrier, vehicle is inoperable, a charge of \$231.00 will be assessed.





QUOTE #: 2020 509

PAGE: 1 of 1

DATE: 6/12/2020 ACCT: REQUESTED BY: Carl Snyder PHONE: ORIGIN: DESTINATION: BID DATE:

COMPANY NAME: NVKobuk FAX / E-MAIL: SHIP DATE:

ADDRESS: PREPARED BY: TS PREPARED BY: Tahnee Smith PREPARER PHONE: 907-442-3211 PREPARER E-MAIL: tahnee.smith@crowley.com

CITY, STATE, ZIP: PROJECT DESCRIPTION: COMMODITY / SPECIFICATION

QTY	DESCRIPTION	LBS/SQ FT (EA)	RATE	TTL LBS/SQ FT	ESTIMATE
1	Dump Truck 14x8 16,000#	112	94.8000	112	\$10,617.60

Total estimated charges are per weights given by customer and are for quote purposes only. Amount can change after the freight is weighed and true weights are known.

By signing below I agree to all of Crowley's terms & conditions and to the above rates for the items described and reserve space needed on the next available sailing

Customer Signature: \_\_\_\_\_ Date: \_\_\_\_\_

A Fuel Surcharge May Be Applied. Prices are based on weights provided by customer at quote time.

Rates apply from receipt dockside to delivery by barge onto dock or high water mark.

All of Crowley's Terms and Conditions will apply to your shipment and services quoted.

A Copy of Crowley's Terms and Conditions will be supplied upon request.

All deliveries are dependent upon safe berthing, water levels, and ice conditions, and some trips depend on inducement.

MAILING ADDRESS: PO BOX 261 Kotzebue, AK 99752

PHYSICAL ADDRESS: 940 Third Avenue Kotzebue, AK 99752

TOTAL ESTIMATED CHARGES \$11,679.36

PHONE: 907-442-3211 FAX: 907-442-3627