



**STATE OF MICHIGAN**  
**CENTRAL PROCUREMENT SERVICES**  
 Department of Technology, Management, and Budget  
 525 W. ALLEGAN ST., LANSING, MICHIGAN 48913  
 P.O. BOX 30026 LANSING, MICHIGAN 48909

**CONTRACT CHANGE NOTICE**

Change Notice Number **3**  
 to  
 Contract Number **071B6600121**

<b>CONTRACTOR</b>	MICHIGAN KENWORTH LLC
	7393 Expressway Court SW
	Grand Rapids, MI 49548
	Cindy Rudel
	616-281-8610 X. 417
	cindy.rudel@csmtruck.com
	CV0011538

<b>STATE</b>	<b>Program Manager</b>	Scott Poyer	MDOT
		517-284-6448	
		poyers@Michigan.gov	
	<b>Contract Administrator</b>	Yvon Dufour	DTMB
		(517) 249-0455	
		dufour@michigan.gov	

**CONTRACT SUMMARY**

<b>VEHICLES - CAB &amp; CHASSIS</b>			
INITIAL EFFECTIVE DATE	INITIAL EXPIRATION DATE	INITIAL AVAILABLE OPTIONS	EXPIRATION DATE BEFORE
August 19, 2016	November 30, 2021	1 - 2 Year	November 30, 2021
PAYMENT TERMS		DELIVERY TIMEFRAME	
Net 30		N/A	
ALTERNATE PAYMENT OPTIONS			EXTENDED PURCHASING
<input type="checkbox"/> P-Card <input type="checkbox"/> PRC <input type="checkbox"/> Other			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

MINIMUM DELIVERY REQUIREMENTS
1 unit

DESCRIPTION OF CHANGE NOTICE				
OPTION	LENGTH OF OPTION	EXTENSION	LENGTH OF EXTENSION	REVISED EXP. DATE
<input checked="" type="checkbox"/>	2 Years	<input type="checkbox"/>		November 30, 2023
CURRENT VALUE	VALUE OF CHANGE NOTICE	ESTIMATED AGGREGATE CONTRACT VALUE		
\$1,000,001.00	\$0.00	\$1,000,001.00		

DESCRIPTION
Effective 10/14/2021, the first two option years available on this contract are hereby exercised. The revised expiration date is 11/30/2023. All other terms, conditions, specifications, and pricing remain the same. Per Vendor and Agency agreement and DTMB Central Procurement approval.



**STATE OF MICHIGAN**  
**ENTERPRISE PROCUREMENT**  
 Department of Technology, Management, and Budget  
 525 W. ALLEGAN ST., LANSING, MICHIGAN 48913  
 P.O. BOX 30026 LANSING, MICHIGAN 48909

**CONTRACT CHANGE NOTICE**

Change Notice Number 2  
 to  
 Contract Number 071B6600121C

<b>CONTRACTOR</b>	Michigan Kentworth, LLC
	7393 Expressway Court SW
	Grand Rapids, MI 49548
	Mary Ann Hogan
	616-281-8610 X. 435
	maryann.hogan@csmtruck.com
*****6787	

<b>STATE</b>	<b>Program Manager</b>	Scott Poyer	MDOT
		517-284-6448	
		poyers@Michigan.gov	
	<b>Contract Administrator</b>	Yvon Dufour	DTMB
		(517) 284-6996	
		dufoury@michigan.gov	

**CONTRACT SUMMARY**

<b>VEHICLES - CAB &amp; CHASSIS</b>			
<b>INITIAL EFFECTIVE DATE</b>	<b>INITIAL EXPIRATION DATE</b>	<b>INITIAL AVAILABLE OPTIONS</b>	<b>EXPIRATION DATE BEFORE CHANGE(S) NOTED BELOW</b>
August 19, 2016	November 30, 2021	1 - 2 Year	November 30, 2021
<b>PAYMENT TERMS</b>		<b>DELIVERY TIMEFRAME</b>	
<b>ALTERNATE PAYMENT OPTIONS</b>		<b>EXTENDED PURCHASING</b>	
<input type="checkbox"/> P-Card	<input type="checkbox"/> Direct Voucher (DV)	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

**MINIMUM DELIVERY REQUIREMENTS**

**DESCRIPTION OF CHANGE NOTICE**

<b>OPTION</b>	<b>LENGTH OF OPTION</b>	<b>EXTENSION</b>	<b>LENGTH OF EXTENSION</b>	<b>REVISED EXP. DATE</b>
<input type="checkbox"/>		<input type="checkbox"/>		November 30, 2021
<b>CURRENT VALUE</b>	<b>VALUE OF CHANGE NOTICE</b>	<b>ESTIMATED AGGREGATE CONTRACT VALUE</b>		
\$1,000,001.00	\$0.00	\$1,000,001.00		

**DESCRIPTION**

Effective 10/31/2017, the following amendment is hereby incorporated into the contract. 2018 model year heavy trucks have been awarded per attached Schedule D1 - Pricing, Schedule D2 - Pricing w Options, and Schedule D3 - Pricing Pages. All other terms, conditions, specifications and pricing remain the same. Per agency request, and DTMB Procurement approval.

<b>MICHIGAN KENWORTH</b>						
<b>SPECIFICATION</b>	<b>MODEL</b>		<b>MDOT PRICE</b>	<b>MIDEAL PRICE</b>	<b>DELIVERY PER MILE</b>	<b>EXCEPTIONS TO SPECIFICATIONS</b>
3958-0160D (Option "A")	T370	Base cost with Regular Cab	\$76,958.00	\$76,733.00	\$1.50	See Schedule D2 - Pricing w Options
3958-0172D	T800	Base cost with Regular Cab	\$131,236.00	\$131,011.00	\$1.50	See Schedule D2 - Pricing w Options
3958-0178D	T800	Base cost with Regular Cab	\$116,475.00	\$116,250.00	\$1.50	See Schedule D2 - Pricing w Options
3958-0178D	T880	Base cost with Regular Cab	\$113,940.00	\$113,715.00	\$1.50	See Schedule D2 - Pricing w Options



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 P.O. BOX 30026 LANSING, MICHIGAN 48909

**CONTRACT CHANGE NOTICE**

Change Notice Number 1

to

Contract Number 071B6600121

<b>CONTRACTOR</b>	Michigan Kentworth, LLC
	7393 Expressway Court SW
	Grand Rapids, MI 49548
	Mary Ann Hogan
	616-281-8610 X. 435
	maryann.hogan@csmtruck.com
*****6787	

<b>STATE</b>	<b>Program Manager</b>	Scott Poyer	MDOT
		517-284-6448	
		poyers@Michigan.gov	
	<b>Contract Administrator</b>	Yvon Dufour	DTMB
		(517) 284-6996	
		dufoury@michigan.gov	

**CONTRACT SUMMARY**

**VEHICLES - CAB & CHASSIS**

INITIAL EFFECTIVE DATE	INITIAL EXPIRATION DATE	INITIAL AVAILABLE OPTIONS	EXPIRATION DATE BEFORE CHANGE(S) NOTED BELOW
August 19, 2016	November 30, 2021	1 - 2 Year	November 30, 2021
PAYMENT TERMS		DELIVERY TIMEFRAME	
Net 30		N/A	
ALTERNATE PAYMENT OPTIONS			EXTENDED PURCHASING
<input type="checkbox"/> P-Card	<input type="checkbox"/> Direct Voucher (DV)	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

**MINIMUM DELIVERY REQUIREMENTS**

1 unit

**DESCRIPTION OF CHANGE NOTICE**

OPTION	LENGTH OF OPTION	EXTENSION	LENGTH OF EXTENSION	REVISED EXP. DATE
<input type="checkbox"/>		<input type="checkbox"/>		November 30, 2021
CURRENT VALUE	VALUE OF CHANGE NOTICE	ESTIMATED AGGREGATE CONTRACT VALUE		
\$1.00	\$1,000,000.00	\$1,000,001.00		

**DESCRIPTION**

Effective 3/28/2017, this Contract is increased by \$1,000,000 for MDOT use. This is awarded funding for 2017-2018 model year pricing per Schedule D1, D2, and D3. All other terms, conditions, specifications and pricing remain the same. Per contractor and agency agreement, and DTMB Procurement approval.

<b>MICHIGAN KENWORTH</b>						
<b>SPECIFICATION</b>	<b>MODEL</b>		<b>MDOT PRICE</b>	<b>MIDEAL PRICE</b>	<b>DELIVERY PER MILE</b>	<b>EXCEPTIONS TO SPECIFICATIONS</b>
3958-0160D (Option "A")	T300 Series	Base cost with Regular Cab	\$74,261.00	\$74,036.00	\$1.50	
3958-0170D	T400 Series	Base cost with Regular Cab	\$104,043.00	\$103,818.00	\$1.50	
3958-0172D	T800 Series	Base cost with Regular Cab	\$129,694.00	\$129,469.00	\$1.50	
3958-0178D	T800 Series Tractor	Base cost with Regular Cab	\$114,655.00	\$114,430.00	\$1.50	

**SPECIFICATION 3958-0160D (Option "A")**

Michigan Kenworth		MDOT PRICE	MIDEAL PRICE	DELIVERY PER MILE	EXCEPTIONS TO SPECIFICATIONS
1.1	Base cost with Regular Cab - 3958-0160D	\$74,261.00	\$74,036.00	\$1.50	
1.2	Super Cab option	not available	not available		
1.3	Crew Cab option	not available	not available		
2	<b>CAB CONVENTIONAL INCLUDES:</b>				
2.1	ARM REST (2) Molded Plastic; One Each Door	standard	standard		
2.2	CLEARANCE/MARKER LIGHTS (5) Flush Mounted	standard	standard		
2.3	COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window	standard	standard		
2.4	CUP HOLDERS Two Cup Holders, Located in Lower Center of Instrument Panel	included	included		
2.5	DOME LIGHT, CAB Rectangular, Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Console, Center Mounted	standard	standard		located over driver door
2.6	GLASS, ALL WINDOWS Tinted	standard	standard		
2.7	GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side	standard	standard		
2.8	GRAB HANDLE, CAB INTERIOR (2) Front of "B" Pillar Mounted, One Each Side				
2.9	INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior color	not applicable	not applicable		
3	<b>CAB INTERIOR TRIM DELUXE INCLUDES:</b>				
3.1	"A" PILLAR COVER Molded Plastic	standard	standard		
3.2	CAB INTERIOR TRIM PANELS Cloth Covered Molded Plastic, Full Height; All Exposed Interior Sheet Metal is Covered Except for the Following: with a Two-Man Passenger Seat or with a Full Bench Seat the Back Panel is Completely Void of Covering	standard	standard		molded plastic covering for teim panels. Vinyl bench seat
3.3	CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets and CB Radio Pocket	not offered	not offered		cabliner only overhead in cab
3.4	DOOR TRIM PANELS Molded Plastic; Driver and Passenger Doors	standard	standard		
3.5	FLOOR COVERING Rubber, Black	standard	standard		
3.6	HEADLINER Soft Padded Cloth	\$158.00	\$158.00		Vinyl is standard, cloth available with opion code 8830013
3.7	INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section	standard	standard		
3.8	STORAGE POCKET, DOOR (1) Molded Plastic, Full-Length; Driver Door	standard	standard		
3.9	SUN VISOR (2) Padded Vinyl with Driver Side Toll Ticket Strap, Integral to Console	standard	standard		
4	JUMP START STUD Located on Positive Terminal of Outermost Battery	\$99.00	\$99.00		Mounted under hood
4.1	WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever	standard	standard		
4.2	WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted	standard	standard		
4.3	WINDSHIELD WIPER SPD CONTROL Force Wipers to Slowest Intermittent Speed When Park Brake Set and Wipers Left on for a Predetermined Time	not offered	not offered		

4.4	HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on	not offered	not offered		
5	ALTERNATOR {Leece-Neville AVI160P2013} Brush Type; 12 Volt 160 Amp				PACCAR 160 amp, brush type provided
6	RADIO AM/FM/WB/Clock/3MM Auxiliary Input, with Multiple Speakers	standard	standard		
7	TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights	not offered	not offered		
8	ALARM, PARKING BRAKE Electric Horn Sounds in Repetitive Manner When Vehicle Park Brake is "NOT" Set, With Ignition "OFF" and any Door Opened	not offered	not offered		No Alarm
9	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster	standard	standard		
10	GAUGE, DEF FLUID LEVEL	standard	standard		warning lamp standard
11	DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab	standard	standard		
12	THROTTLE, HAND CONTROL Engine Speed Control for PTO; Electronic, Stationary Pre-Set, Two Speed Settings; Mounted on Steering Wheel	included	included		
13	STEERING COLUMN Tilting	included	included		
14	COLD STARTING EQUIPMENT Intake Manifold Electric Grid Heater with Engine ECM Control	not offered	not offered		No cold starting equipment
15	KEYLESS ENTRY SYSTEM REMOTE With Panic and Auxiliary Buttons, Includes One Key Fob (Transmitter)	\$190.00	\$190.00		option code 8700188
16	WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature	\$70.00	\$70.00		no express down feature, option code 8879213
17	FOG LIGHTS (2) Clear, Oval, With H355W Halogen Bulb	\$59.00	\$59.00		wiring & switch for customer installed flood lights, option code 9058037
18	INSULATION, UNDER HOOD for Sound Abatement	standard	standard		
19	INSULATION, SPLASH PANELS for Sound Abatement	standard	standard		
20	FAN DRIVE Direct Drive Type, Two Speed With Residual Torque Device for Disengaging Fan Speed. Torque Device for Disengaged Fan Speed Includes Nylon Fan	\$242.00	\$242.00		horton 2 spd available, option code 1105230
21	<b>TRANSMISSION, AUTOMATIC INCLUDES:</b>				
21.1	OIL FILTER, TRANSMISSION Mounted on Transmission	standard	standard		
21.2	TRANSMISSION OIL PAN Magnet in Oil Pan	standard	standard		
21.3	SHIFT CONTROL PARAMETERS Allison 1000 or 2000 Series Transmissions, 5th Generation Controls, Performance Programming	not applicable	not applicable		spec requested 3500 RDS
21.4	ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS); General Purpose Trucks, Construction	\$39.00	\$39.00		option code 8240014
21.5	TRANSMISSION TCM LOCATION Located Inside Cab	not offered	not offered		
21.6	PTO LOCATION Dual, Left and Right Side of Transmission	included	included		available with custom frame layout

21.7	ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls; With Ignition Switch Control	included	included		
28	BODY INTEGRATED, REMOTE START/STOP To Start and Stop Vehicle Engine	not offered	not offered		
29	BODY INTEGRATED, THROTTLE CONTROL Accommodation for Single Customer Mounted External Engine Speed Control Switch, for Utility Applications, Programmable Mode for Various Switch Actions and Engine Speed Control Option, Only with Vehicle Stopped and Park Brake is Applied (requires 1 Remote Power Module input)	included	included		option code 1900976
	<b>NOTE:</b> Default Parameters - Input is Momentary Ground = Engine Speed Toggles Between Preset Speed and Idle each Time the Input is Grounded				
30	BODY INTEGRATED, PTO ACCOMMODATION for (3) Latched Rocker Switches, (1) PTO Switch, (2) Generic Switches to Control (3) 30 amp relays, With Programmable Interlocks, for Body Builder Hook up in the Engine Compartment Left Side, Recommended for Automatic Transmissions				Includes switch & wiring for customer installed PTO and five spare switches wired to power
31	DUST SHIELDS, FRONT BRAKE for Air Brakes	included	included		
32	DUST SHIELDS, REAR BRAKE for Air Brakes	included	included		
33	TRAILER AUXILIARY FEED CIRCUIT for Electric Trailer Brake Accommodation/Air Trailer ABS; With 30 Amp Fuse and Relay, Controlled by Ignition Switch				wiring for customer installed code 9090151, and 9140328
		\$73.00	\$73.00		
34.1	AIR BRAKE ABS Full Vehicle Wheel Control system (4-Channel)	included	included		
34.2	BRAKE CHAMBERS, SPRING Relocated To Rear Of Rear Axle For Maximum Ground Clearance	not applicable	not applicable		brake chambers per FMCSA
35	<b>SPECIAL PAINT</b>				
35.1	School Bus Yellow [84S53]	included	included		KW code 741173 premium paint
35.2	Omaha Orange [W5684E]	included	included		KW code F8802 premium paint

**SPECIFICATION 3958-0170D**

Michigan Kenworth		MDOT PRICE	MIDEAL PRICE	DELIVERY PER MILE	EXCEPTIONS TO SPECIFICATIONS
1.1	Base cost with Regular Cab - 3958-0170D	\$104,043.00	\$103,818.00	\$1.50	
1.2	Super Cab option	not available	not available		
1.3	Crew Cab option	not available	not available		
1.4	<b>Base Cost w/Combination BOC Fuel-Hydraulic Tank</b>				
2	<b>CAB CONVENTIONAL INCLUDES:</b>				
2.1	ARM REST (2) Molded Plastic; One Each Door	standard	standard		
2.2	CLEARANCE/MARKER LIGHTS (5) Flush Mounted	included	included		aerodynamic mounted in sunvisor
2.3	COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window	standard	standard		
2.4	CUP HOLDERS Two Cup Holders, Located in Lower Center of Instrument Panel	not available	not available		single cupholder



2.5	DOME LIGHT, CAB Rectangular, Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Console, Center Mounted	standard	standard		located on rear cab wall, above window, midcenter
2.6	GLASS, ALL WINDOWS Tinted	standard	standard		
2.7	GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side	standard	standard		
2.8	GRAB HANDLE, CAB INTERIOR (2) Front of "B" Pillar Mounted, One Each Side	not available	not available		Exterior cab access grab handles mounted b pillar both sides
2.9	INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior color	not applicable	not applicable		interior sheet metal not exposed
3	<b>CAB INTERIOR TRIM DELUXE INCLUDES:</b>				
3.1	"A" PILLAR COVER Molded Plastic	standard	standard		
3.2	CAB INTERIOR TRIM PANELS Cloth Covered Molded Plastic, Full Height; All Exposed Interior Sheet Metal is Covered Except for the Following: with a Two-Man Passenger Seat or with a Full Bench Seat the Back Panel is Completely Void of Covering	standard	standard		molded plastic covering for trim panels. Spec requested high back bucket seats for driver and
3.3	CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets and CB Radio Pocket	included	included		All offered, except for "netting"
3.4	DOOR TRIM PANELS Molded Plastic; Driver and Passenger Doors	standard	standard		
3.5	FLOOR COVERING Rubber, Black	standard	standard		
3.6	HEADLINER Soft Padded Cloth				molded plastic
3.7	INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section	standard	standard		
3.8	STORAGE POCKET, DOOR (1) Molded Plastic, Full-Length; Driver Door	standard	standard		
3.9	SUN VISOR (2) Padded Vinyl with Driver Side Toll Ticket Strap, Integral to Console	standard	standard		
4	JUMP START STUD Located on Positive Terminal of Outermost Battery	\$107.00	\$107.00		Mounted under hood
4.1	WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever	standard	standard		
4.2	WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted	standard	standard		
4.3	WINDSHIELD WIPER SPD CONTROL Force Wipers to Slowest Intermittent Speed When Park Brake Set and Wipers Left on for a Predetermined Time	not offered	not offered		
4.4	HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on	included	included		option code 9090027
5	ALTERNATOR {Leece-Neville AVI160P2013} Brush Type; 12 Volt 160 Amp	not available	not available		PACCAR 160 amp, brush type provided
6	RADIO AM/FM/WB/Clock/3MM Auxiliary Input, with Multiple Speakers	included	included		two speakers are standard, can upgrade to four - option code 8699514 \$90
7	TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights	standard	standard		

8	ALARM, PARKING BRAKE Electric Horn Sounds in Repetitive Manner When Vehicle Park Brake is "NOT" Set, With Ignition "OFF" and any Door Opened	not offered	not offered		
9	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster	standard	standard		
10	GAUGE, DEF FLUID LEVEL	standard	standard		warning lamp standard
11	DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab	standard	standard		
12	THROTTLE, HAND CONTROL Engine Speed Control for PTO; Electronic, Stationary Pre-Set, Two Speed Settings; Mounted on Steering Wheel	not offered	not offered		see 25.7. cannot mount on steering wheel
13	STEERING COLUMN Tilting	included	included		
14	COLD STARTING EQUIPMENT Intake Manifold Electric Grid Heater with Engine ECM Control	not offered	not offered		offer KBI NVT ether injections options code 1502060 \$90
15	KEYLESS ENTRY SYSTEM REMOTE With Panic and Auxiliary Buttons, Includes One Key Fob (Transmitter)	\$204.00	\$204.00		
16	WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature	included	included		no express down feature
17	INSULATION, UNDER HOOD for Sound Abatement	standard	standard		
18	INSULATION, SPLASH PANELS for Sound Abatement	included	included		option code 8891000
19	BACK-UP ALARM Electric, 102 dBA	included	included		
20	FENDER EXTENSIONS Rubber	included	included		
21	Add'l Cab Rustproofing	not applicable	not applicable		aluminum cab provided
22	SNOW SHIELD (2) Chrome; for Dual Air Horns	\$103.00	\$103.00		Spec requirements requested single air horn, pricing on spec includes airhorn and shield. Pricing shown is for dual horns & shields
23	ACCESSORY WIRING, SPECIAL for Road Speed Wire Coiled Under Instrument Panel for Customer use	included	included		Same option as described in item 25.4
24	FAN DRIVE Direct Drive Type, Two Speed With Residual Torque Device for Disengaging Fan Speed. Torque Device for Disengaged Fan Speed Includes Nylon Fan	included	included		
25	<b>TRANSMISSION, AUTOMATIC INCLUDES:</b>				
25.1	OIL FILTER, TRANSMISSION Mounted on Transmission	included	included		
25.2	TRANSMISSION OIL PAN Magnet in Oil Pan	included	included		
25.3	SHIFT CONTROL PARAMETERS Allison 1000 or 2000 Series Transmissions, 5th Generation Controls, Performance Programming	not applicable	not applicable		Spec requirements requested 4500RDS
25.4	ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS); General Purpose Trucks, Construction	included	included		option code 8240014

25.5	TRANSMISSION TCM LOCATION Located Inside Cab	\$	\$	modified at dealership-back wall mount
25.6	PTO LOCATION Dual, Left and Top Side of Transmission on Spec 3958-0172D	included with frame layout	included with frame layout	area will be kept clear for customer installed PTOs
25.7	ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls; With Ignition Switch Control	\$114.00	\$114.00	option code 1900089
26	BODY INTEGRATED, THROTTLE CONTROL Accommodation for Single Customer Mounted External Engine Speed Control Switch, for Utility Applications, Programmable Mode for Various Switch Actions and Engine Speed Control Option, Only with Vehicle Stopped and Park Brake is Applied (requires 1 Remote Power Module input)	included	included	option code 1900976
27	DUST SHIELDS, FRONT BRAKE for Air Brakes	included	included	
28	DUST SHIELDS, REAR BRAKE for Air Brakes	included	included	
29	TRAILER CONNECTIONS Four-Wheel, With Hand Control Valve and Tractor Protection Valve, for Straight Truck	included	included	
30	AIR BRAKE ABS Full Vehicle Wheel Control system (4-Channel)	included	included	
31	<b>SPECIAL PAINT</b>			
31.1	School Bus Yellow [84S53]	included	included	kw code 741173 premium paint
31.2	Omaha Orange [W5684E]	included	included	kw code F8802 premium paint

**SPECIFICATION 3958-0172D**

Michigan Kenworth		MDOT PRICE	MIDEAL PRICE	DELIVERY PER MILE	EXCEPTIONS TO SPECIFICATIONS
1.1	Base cost with Regular Cab - 3958-0172D	\$129,694.00	\$129,469.00	\$1.50	
1.2	Super Cab option	not available	not available		
1.3	Crew Cab option	not available	not available		
2	<b>CAB CONVENTIONAL INCLUDES:</b>				
2.1	ARM REST (2) Molded Plastic; One Each Door	standard	standard		
2.2	CLEARANCE/MARKER LIGHTS (5) Flush Mounted	included	included		aerodynamic mounted in sunvisor
2.3	COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window	standard	standard		
2.4	CUP HOLDERS Two Cup Holders, Located in Lower Center of Instrument Panel	not available	not available		single cupholder
2.5	DOME LIGHT, CAB Rectangular, Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Console, Center Mounted	standard	standard		located on rear cab wall, above window, midcenter
2.6	GLASS, ALL WINDOWS Tinted	standard	standard		
2.7	GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side	standard	standard		
2.8	GRAB HANDLE, CAB INTERIOR (2) Front of "B" Pillar Mounted, One Each Side	not available	not available		exterior cab access grab handles mounted to b pillar both sides
2.9	INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior color	not applicable	not applicable		interior sheet metal not exposed

<b>3</b>	<b>CAB INTERIOR TRIM DELUXE INCLUDES:</b>				
<b>3.1</b>	"A" PILLAR COVER Molded Plastic	standard	standard		
<b>3.2</b>	CAB INTERIOR TRIM PANELS Cloth Covered Molded Plastic, Full Height; All Exposed Interior Sheet Metal is Covered Except for the Following: with a Two-Man Passenger Seat or with a Full Bench Seat the Back Panel is Completely Void of Covering	standard	standard		molded plastic covering trim panels. Spec requested high back bucket seats for driver and
<b>3.3</b>	CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets and CB Radio Pocket	included	included		all offered except for "netting"
<b>3.4</b>	DOOR TRIM PANELS Molded Plastic; Driver and Passenger Doors	standard	standard		
<b>3.5</b>	FLOOR COVERING Rubber, Black	standard	standard		
<b>3.6</b>	HEADLINER Soft Padded Cloth				molded plastic
<b>3.7</b>	INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section	standard	standard		
<b>3.8</b>	STORAGE POCKET, DOOR (1) Molded Plastic, Full-Length; Driver Door	standard	standard		
<b>3.9</b>	SUN VISOR (2) Padded Vinyl with Driver Side Toll Ticket Strap, Integral to Console	standard	standard		
<b>4</b>	JUMP START STUD Located on Positive Terminal of Outermost Battery	not offered	not offered		not offered
<b>4.1</b>	WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever	standard	standard		
<b>4.2</b>	WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted	standard	standard		
<b>4.3</b>	WINDSHIELD WIPER SPD CONTROL Force Wipers to Slowest Intermittent Speed When Park Brake Set and Wipers Left on for a Predetermined Time	not offered	not offered		not offered
<b>4.4</b>	HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on	0	0		this option is available option code 9090027
<b>5</b>	ALTERNATOR {Leece-Neville AV160P2013} Brush Type; 12 Volt 160 Amp	not available	not available		Paccar 160 amp, brush type
<b>6</b>	RADIO AM/FM/WB/Clock/3MM Auxiliary Input, with Multiple Speakers	standard is 2	standard is 2		upgrade to four-option code 8699514 \$44
<b>7</b>	TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights	standard	standard		
<b>8</b>	ALARM, PARKING BRAKE Electric Horn Sounds in Repetitive Manner When Vehicle Park Brake is "NOT" Set, With Ignition "OFF" and any Door Opened	not offered	not offered		not offered
<b>9</b>	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster	standard	standard		
<b>10</b>	GAUGE, DEF FLUID LEVEL	standard	standard		warning lamp standard
<b>11</b>	DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab	standard	standard		
<b>12</b>	THROTTLE, HAND CONTROL Engine Speed Control for PTO; Electronic, Stationary Pre-Set, Two Speed Settings; Mounted on Steering Wheel	not offered	not offered		not offered
<b>13</b>	STEERING COLUMN Tilting	included	included		

14	COLD STARTING EQUIPMENT Intake Manifold Electric Grid Heater with Engine ECM Control	not offered	not offered	offer KBI NVT ether injection option code 1502060 \$84
15	KEYLESS ENTRY SYSTEM REMOTE With Panic and Auxiliary Buttons, Includes One Key Fob (Transmitter)	\$197.00	\$197.00	option code 8700188
16	WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature	included	included	no express down feature
17	INSULATION, UNDER HOOD for Sound Abatement	included	included	option code 8891000
18	INSULATION, SPLASH PANELS for Sound Abatement	included	included	option code 8891000
19	BACK-UP ALARM Electric, 102 dBA	included	included	
20	FENDER EXTENSIONS Rubber	included	included	
21	Add'l Cab Rustproofing	not applicable	not applicable	
22	SNOW SHIELD (2) Chrome; for Dual Air Horns	included	included	
23	ACCESSORY WIRING, SPECIAL for Road Speed Wire Coiled Under Instrument Panel for Customer use	included	included	same option as described in 25.4
24	FAN DRIVE Direct Drive Type, Two Speed With Residual Torque Device for Disengaging Fan Speed. Torque Device for Disengaged Fan Speed Includes Nylon Fan	included	included	
25	<b>TRANSMISSION, AUTOMATIC INCLUDES:</b>			
25.1	OIL FILTER, TRANSMISSION Mounted on Transmission	included	included	
25.2	TRANSMISSION OIL PAN Magnet in Oil Pan	included	included	
25.3	SHIFT CONTROL PARAMETERS Allison 1000 or 2000 Series Transmissions, 5th Generation Controls, Performance Programming	not applicable	not applicable	Spec requirements requested 4500 RDS
25.4	ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS); General Purpose Trucks, Construction	included	included	option code 8240014
25.5	TRANSMISSION TCM LOCATION Located Inside Cab	\$	\$	modified at dealership - back wall mount
25.6	PTO LOCATION Dual, Left and Top Side of Transmission on Spec 3958-0172D	included with frame layout	included with frame layout	area will be kept clear for customer installed PTOs
25.7	ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls: With Ignition Switch Control	\$76.00	\$76.00	option code 1900089
26	BODY INTEGRATED, THROTTLE CONTROL Accommodation for Single Customer Mounted External Engine Speed Control Switch, for Utility Applications, Programmable Mode for Various Switch Actions and Engine Speed Control Option, Only with Vehicle Stopped and Park Brake is Applied (requires 1 Remote Power Module input)	included	included	option code 1900976
27	DUST SHIELDS, FRONT BRAKE for Air Brakes	included	included	
28	DUST SHIELDS, REAR BRAKE for Air Brakes	included	included	
29	TRAILER CONNECTIONS Four-Wheel, With Hand Control Valve and Tractor Protection Valve, for Straight Truck	included	included	
30	AIR BRAKE ABS Full Vehicle Wheel Control system (4-Channel)	included	included	
31	SUSPENSION, REAR, AIR, SINGLE Require 14VAJ Suspension	not applicable	not applicable	spec request for tandem rear axle

<b>32</b>	<b>SPECIAL PAINT</b>				
<b>32.1</b>	School Bus Yellow [84S53]	included	included		KW code 741173 premium paint
<b>32.2</b>	Omaha Orange [W5684E]	included	included		KW code F8802 premium paint

**SPECIFICATION 3958-0178D**

Michigan Kenworth		MDOT PRICE	MIDEAL PRICE	DELIVERY PER MILE	EXCEPTIONS TO SPECIFICATIONS
<b>1</b>	Base cost with Regular Cab	<b>\$114,655.00</b>	<b>\$114,430.00</b>	<b>\$1.50</b>	
<b>2</b>	<b><u>CAB CONVENTIONAL INCLUDES:</u></b>				
<b>2.1</b>	ARM REST (2) Molded Plastic; One Each Door	standard	standard		
<b>2.2</b>	CLEARANCE/MARKER LIGHTS (5) Flush Mounted	included	included		aerodynamic mounted in sunvisor
<b>2.3</b>	COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window	standard	standard		
<b>2.4</b>	CUP HOLDERS Two Cup Holders, Located in Lower Center of Instrument Panel	not available	not available		
<b>2.5</b>	DOME LIGHT, CAB Rectangular, Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Console, Center Mounted	standard	standard		located on rear cab wall, above window, midcenter
<b>2.6</b>	GLASS, ALL WINDOWS Tinted	standard	standard		
<b>2.7</b>	GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side	standard	standard		
<b>2.8</b>	GRAB HANDLE, CAB INTERIOR (2) Front of "B" Pillar Mounted, One Each Side	not available	not available		Exterior cab access grabhandles mounted b pillar both sides
<b>2.9</b>	INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior color	not applicable	not applicable		interior sheet metal not exposed
<b>3</b>	<b><u>CAB INTERIOR TRIM DELUXE INCLUDES:</u></b>				
<b>3.1</b>	"A" PILLAR COVER Molded Plastic	standard	standard		
<b>3.2</b>	CAB INTERIOR TRIM PANELS Cloth Covered Molded Plastic, Full Height; All Exposed Interior Sheet Metal is Covered Except for the Following: with a Two-Man Passenger Seat or with a Full Bench Seat the Back Panel is Completely Void of Covering	standard	standard		molded plastic covering for trim panels. Spec requested high back bucket seats for driver and
<b>3.3</b>	CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets and CB Radio Pocket	included	included		All offered, except for netting
<b>3.4</b>	DOOR TRIM PANELS Molded Plastic; Driver and Passenger Doors	standard	standard		
<b>3.5</b>	FLOOR COVERING Rubber, Black	standard	standard		
<b>3.6</b>	HEADLINER Soft Padded Cloth				molded plastic
<b>3.7</b>	INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section	standard	standard		
<b>3.8</b>	STORAGE POCKET, DOOR (1) Molded Plastic, Full-Length; Driver Door	standard	standard		
<b>3.9</b>	SUN VISOR (2) Padded Vinyl with Driver Side Toll Ticket Strap, Integral to Console	standard	standard		
<b>4</b>	<b>JUMP START STUD Located on Positive Terminal of Outermost Battery</b>	<b>\$114.00</b>	<b>\$114.00</b>		<b>Mounted under hood.</b>
<b>4.1</b>	WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever	standard	standard		



4.2	WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted	standard	standard		
4.3	WINDSHIELD WIPER SPD CONTROL Force Wipers to Slowest Intermittent Speed When Park Brake Set and Wipers Left on for a Predetermined Time	not offered	not offered		
4.4	HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on	\$0.00	\$0.00		this option is available, option code 9090027
5	ALTERNATOR {Leece-Neville AVI160P2013} Brush Type; 12 Volt 160 Amp	not available	not available		PACCAR 160 amp, brush type provided
6	RADIO AM/FM/WB/Clock/3MM Auxiliary Input, with Multiple Speakers	\$55.00	\$55.00		Add USB option to standard. Option code 8601421
7	2-WAY RADIO Wiring Effects; Wiring With 20 Amp Fuse Protection, Includes Ignition Wire With 5 Amp Fuse, Wire Ends Heat Shrink and 10' Coil Taped to Base harness	\$134.00	\$134.00		CB Radio installation kit, option code 8699926
8	TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights	standard	standard		
9	ALARM, PARKING BRAKE Electric Horn Sounds in Repetitive Manner When Vehicle Park Brake is "NOT" Set, With Ignition "OFF" and any Door Opened	not offered	not offered		
10	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster	standard	standard		
11	GAUGE, DEF FLUID LEVEL	standard	standard		warning lamp standard
12	DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab	standard	standard		
13	THROTTLE, HAND CONTROL Engine Speed Control for PTO; Electronic, Stationary Pre-Set, Two Speed Settings; Mounted on Steering Wheel	not offered	not offered		see 25.7 cannot mount on steering wheel
14	STEERING COLUMN Tilting	included	included		
15	COLD STARTING EQUIPMENT Intake Manifold Electric Grid Heater with Engine ECM Control	not offered	not offered		offer KVI NBT ether injection, option code 1502060 \$85
16	KEYLESS ENTRY SYSTEM REMOTE With Panic and Auxiliary Buttons, Includes One Key Fob (Transmitter)	\$200.00	\$200.00		option code 8700188
17	WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature	included	included		no express down feature
18	FOG LIGHTS (2) Clear, Oval, With H355W Halogen Bulb	\$123.00	\$123.00		option code 9042542
19	INSULATION, UNDER HOOD for Sound Abatement	standard	standard		
20	INSULATION, SPLASH PANELS for Sound Abatement	included	included		
21	BACK-UP ALARM Electric, 102 dBA	\$80.00	\$80.00		option code 9090126
22	FENDER EXTENSIONS Rubber	\$88.00	\$88.00		2" option code 8890351
23	FAN DRIVE Direct Drive Type, Two Speed With Residual Torque Device for Disengaging Fan Speed. Torque Device for Disengaged Fan Speed Includes Nylon Fan	\$174.00	\$174.00		Horton 2 spd, option code 1105220
24	<b>TRANSMISSION, AUTOMATIC INCLUDES:</b>				
24.1	OIL FILTER, TRANSMISSION Mounted on Transmission	included	included		

24.2	TRANSMISSION OIL PAN Magnet in Oil Pan	included	included		
24.3	SHIFT CONTROL PARAMETERS Allison 1000 or 2000 Series Transmissions, 5th Generation Controls, Performance Programming	not applicable	not applicable		Spec requirements requested 4500 RDS
24.4	ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS); General Purpose Trucks, Construction	\$36.00	\$36.00		option code 8240014
24.5	TRANSMISSION TCM LOCATION Located Inside Cab	\$	\$		modified at dealership-back wall mount
24.6	PTO LOCATION Dual, Left and Right Side of Transmission				same as 24.7
24.7	PTO LOCATION Dual, Left and Top Side of Transmission on Spec 3958-0172D	\$685.00	\$685.00		customer installed, requires custom frame layout, option code 6391201
24.8	ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls; With Ignition Switch Control	\$70.00	\$70.00		option code 190089
28	BODY INTEGRATED, REMOTE START/STOP To Start and Stop Vehicle Engine	not offered	not offered		
29	BODY INTEGRATED, THROTTLE CONTROL Accommodation for Single Customer Mounted External Engine Speed Control Switch, for Utility Applications, Programmable Mode for Various Switch Actions and Engine Speed Control Option, Only with Vehicle Stopped and Park Brake is Applied (requires 1 Remote Power Module input)	\$36.00	\$36.00		option code 1900976
	<b>NOTE:</b> Default Parameters - Input is Momentary Ground = Engine Speed Toggles Between Preset Speed and Idle each Time the Input is Grounded				
30	BODY INTEGRATED, PTO ACCOMMODATION for (3) Latched Rocker Switches, (1) PTO Switch, (2) Generic Switches to Control (3) 30 amp relays, With Programmable Interlocks, for Body Builder Hook up in the Engine Compartment Left Side, Recommended for Automatic Transmissions				extra switches available per application
31	DUST SHIELDS, FRONT BRAKE for Air Brakes	included	included		
32	DUST SHIELDS, REAR BRAKE for Air Brakes	included	included		
33	TRAILER AUXILIARY FEED CIRCUIT for Electric Trailer Brake Accommodation/Air Trailer ABS; With 30 Amp Fuse and Relay, Controlled by Ignition Switch	included	included		
34	TRAILER CONNECTIONS Four-Wheel, With Hand Control Valve and Tractor Protection Valve, for Straight Truck	included	included		
35	AIR BRAKE ABS Full Vehicle Wheel Control system (4-Channel)	included	included		
36.1	SUSPENSION, REAR, AIR, Tandem, 55" axle spacing with shock absorbers mounted in board.	not available	not available		52" or 54" axle spacing only offered
36.2	Suspension air control in cab	standard	standard		
37	<b>SPECIAL PAINT</b>				
37.1	School Bus Yellow [84S53]	included	included		KW code 741173 premium paint
37.2	Omaha Orange [W5684E]	included	included		KW code F8802 premium paint





Michiganworth LLC M460  
7393 Expressway Court SW

STATE OF MICH #007116B0007544

Grand Rapids, Michigan United States 49548-7967

Phone:

Phone: (517) 284-6996

Fax:

Fax:

Email:

Contact Email:

Prepared for: Yvon Dufour

### Vehicle Summary

		Unit	Chassis	
Model:		T300 Series Conventional.	Fr Axle Load (lbs):	12000
Type:		FULL TRUCK	Rr Axle Load (lbs)	21000
Description:		3958-0160D	G.C.W. (lbs):	33000
			Road Conditions:	
Intended Serv.:	Application	Local pickup & delivery.	Class A (Highway)	90
		Vehicles which haul	Class B (Hwy/Mtn)	10
Commodity:		General freight	Class C (Off-Hwy)	00
			Class D (Off-Road)	00
Type:	Body	Flatbed	Maximum Grade:	6
Length (ft):		15.0	Wheelbase (in):	153
Height (ft):		12.0	Overhang (in):	50
Max Laden Weight (lbs):		3000	Fr Axle to BOC (in):	68
			Cab to Axle (in):	85
	Trailer		Cab to EOF (in):	135
No. of Trailer Axles:		1	Overall Comb. Length (in):	244
Type:		Flatbed		
Length (ft):		20.0	Special Req.	
Height (ft):		8.0	U.S. Domestic Registry, 50-State	
Kingpin Inset (in):		0		
Corner Radius (in):		0		
	Restrictions			
Length (ft):		120		
Width (in):		102		
Height (ft):		13.5		

Approved by: \_\_\_\_\_

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

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

	Ask your dealer for a quote today, or visit our website @ <a href="http://www.paccarfinancial.com">www.paccarfinancial.com</a> .
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Effective Date: Jul 1, 2016  
Prepared by: ID: mhogan

**Complete**

Model Number: T300 Series Conventional.  
Quote/DTPO/CO: Q15146355  
Version Number: 38.21



Michiganworth LLC M460  
7393 Expressway Court SW

STATE OF MICH #007116B0007544

Grand Rapids, Michigan United States 49548-7967

Phone:  
Fax:  
Email:

Phone: (517) 284-6996  
Fax:  
Contact Email:  
Prepared for: Yvon Dufour

Data	Code	Description	\$ List	Weight
<b>Model</b>				
0000310	O	<b>T300 Series Conventional.</b> Electric Door locks LH/RH; Ignition & doors keyed alike; Single electric horn; Single-piece windshield; Electric windshield wipers, 2-speed plus intermittent; Electric windshield washers; Steering wheel 18in. 4-spoke; Glovebox door with locking latch; Dash-mounted cruise control with switches; Turn signal switch with column-mounted dimmer; Standard dash panels include gray w/ burl wood accents; Slate Gray interior primary color; Dark Slate Gray seat color; Floor mat; Inside sunvisor, LH/RH; Door courtesy lights; Under-dash center console with 1 cup holder, 1 ashtray & 1 lighter.	85,950	9,764
0070006	O	<b>T370 Class 7: medium-duty Conventional.</b>	0	0
0080075	O	<b>Dealer/Customer declines engine w/CARB Idle Emissions Reduction Feature.</b>	0	0
0090015	O	<b>Medium-duty 4x2 automatic.</b>	0	0
0091090	O	<b>General freight</b>	0	0
0093005	O	<b>Local pickup &amp; delivery. Vehicles which haul freight, typically operating within a 100-mile radius, on public streets &amp; highways, &amp; other paved surfaces, including limited Class C roads. Includes package &amp; freight delivery, as well as fuel oil or petroleum distribution, etc. Road usage: minimum 3% Class B, do not code for Class D.</b>	0	0
0095140	O	<b>Flatbed</b>	0	0
0096040	O	<b>Flatbed</b>	0	0
0098025	O	<b>U.S. Domestic Registry, 50-State</b>	0	0

**Engine & Equipment**

0129502	O	<b>PACCAR PX-9 300 2017 300@2000 285@2200 860@1300</b> Includes turbo exhaust brake, no code is used. Diagnostic Plug for data link, Oil Cooler, Aluminum Flywheel Housing. N09200 N205 120..Standard Maximum Speed Limit [LSL] N09220 N207 0....Expiration Distance N09240 P09 120...Hard Maximum Speed Limit N09260 P14 64...Maximum Accelerator Pedal Vehicle Speed N09280 P16 0....Accelerator Lower Droop N09300 P19 64...Maximum Cruise Speed N09320 C143 0....Cruise Control Lower Droop N09360 N203 252..Reserve Speed Function Reset Distance N09380 N202 0....Maximum Cycle Distance	9,130	555
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Data	Code	Description	\$ List	Weight
		N09400 N206 10...Maximum Active Distance		
		N09420 N201 0....Reserve Speed Limit Offset		
		N09440 P11 NO...Engine Protection Shutdown		
		N09460 P06 NO...Gear Down Protection		
		N09480 P26 1400.Max PTO Speed		
		N09500 P02 NO...Cruise Control Auto Resume		
		N09520 P04 NO...Auto Engine Brake in Cruise		
		N09540 N209 0....Expiration Distance		
		N09560 P520 YES..Enable Idle Shutdown Park Brake Set		
		N09580 P32 5....Timer Setting		
		N09600 P233 YES..Enable Impending Shutdown Warning		
		N09620 P234 60...Timer For Impending Shutdown Warning		
		N09640 P516 35...Engine Load Threshold		
		N09680 P33 NO...Idle Shutdown Manual Override		
		N09720 P230 YES..Enable Hot Ambient Automatic Override		
		N09740 P46 40...Low Ambient Temperature Threshold		
		N09760 P56 60...Intermediate Ambient Temperature Threshold		
		N09780 P47 80...High Ambient Temperature Threshold		
1000156	O	<b>Prospector Version 39.2</b> Replaces 39.1	0	0
1000684	O	<b>Effective VSL Setting NA</b>	0	0
1000858	O	<b>Engine Idle Shutdown Timer Disabled</b>	0	0
1000891	O	<b>Eff EIST NA Expiration Miles</b> Use only with MX and Cummins engines	0	0
1002060	S	<b>Air compressor: Cummins 18.7 CFM FOR Cummins AND PACCAR PX engines.</b>	0	0
1031130	S	<b>Air Cleaner: Dry-type firewall mounted w/filter</b> restriction indicator.	0	0
1105231	O	<b>Fan Hub: Horton On/Off for PX-9 or ISLG</b>	0	0
1121200	S	<b>Cooling module: 1000 square inches</b> T170/T270/T370/T470. Includes metal surge tank on T170/T270/T370.	0	0
1247194	O	<b>EXH:2017 EPA RH UNDER CAB DPF/SCR FOR PX-9 WITH SINGLE VERTICAL RH SIDE OF CAB TAILPIPE</b>	2,371	215
1290124	O	<b>Tailpipe: 5 in. single 24 in. 45 degree curved.</b>	-33	-2
1321145	O	<b>Fuel Filter:Fleetguard FS1003</b> Fuel/Water Separator for PX-9	0	0
1321200	O	<b>Run Aid:None</b> *For Fuel Filter	0	0
1321305	O	<b>Start Aid:12V Heat</b> *For Fuel Filter	44	1
1504006	O	<b>Block heater, PACCAR 1750 watt 120V for PX-6 and PX-7, 1000 watt for PX-8 and PX-9 or ISL9 engines .</b>	108	2
1816160	O	<b>Alternator: 160 amp brush type T3</b>	-52	0
1821220	S	<b>Batteries: 2 PACCAR GP31 threaded post (700) 1400 CCA dual purpose.</b> 12-VOLT LIGHT SYSTEM W/CIRCUIT PROTECTION	0	0

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Data	Code	Description	\$ List	Weight
1836100	S	<b>Starter: PACCAR 12 volt electrical system. W/</b> centralized power distribution incorporating plug-in style relays. Circuit protection for serviceability, 12-volt light system w/circuit protection circuits number & color coded.	0	0
1900082	O	<b>Multi-function engine connector for body builder</b> interface for Cummins.	39	0
1900976	O	<b>Body Builder Control Harness coiled EOF for</b> customer installed remote throttle and remote PTO controls. Harness includes Remote PTO control and Remote Throttle controls. T680/T880 models do not require 12-way engine connector sales codes. All other models require (1900082 or 1900084).	70	2

#### Transmission & Clutch

2011232	O	<b>Transmission: Allison 3500RDS 6-speed</b> w/PTO drive gear. 5th Gen Controls. Limited to 860 lb.-ft. Includes heat exchanger & oil level sensor. Rugged Duty Series for vocational applications. Transynd transmission fluid is standard on all Allison 1000, 2000, 3000 & 4000 series transmissions.	11,265	291
2401405	O	<b>Driveline: 2 Dana standard-duty; 1 centerbearing.</b> *Std duty is 1710 series.	625	77
2410018	O	<b>Torque converter included w/Allison</b> Transmission.	0	0
2410203	O	<b>Allison FuelSense Base: Includes EcoCal, 5th Gen</b> Controls, and Dynamic Shift Sensing	0	0
2410244	O	<b>J1939 Park Brake Auto Neutral</b>	0	0
2429358	O	<b>Rear transmission support springs for</b> transmission PTO applications are required to ensure that engine flywheel housings are not overloaded when transmission PTO's are installed.	71	0

#### Front Axle & Equipment

2502230	O	<b>Dana Spicer E-1202IL Front Axle rated 12K</b> 3-1/2in. drop. USE W/AIR BRAKES ONLY. MED DUTY ONLY.	84	-24
2603006	S	<b>Front brakes included w/ front hub package.</b>	0	0
2659047	O	<b>Front dustshield: for drum brakes:</b> all front axles.	67	6
2701000	S	<b>Air Brake: 14,600 lb. package includes</b> Bendix 16-1/2 x5 brakes, cast drums, aluminum 10-bolt hub pilot LMS hubs, hubcaps, oil seals & automatic slack adjusters. For use w/ 22-1/2in. wheels.	0	0
2863015	O	<b>Front Springs: Taperleaf 12K w/ shock absorber</b> for use on 2010+ chassis w/ 22.5in. wheels only.	80	12
2895223	O	<b>Single power steering gear: 13.2K for air brakes.</b>	0	0

#### Rear Axle & Equipment

3032200	O	<b>Single Meritor MS21-14x4 rear axle rated at 21K.</b>	33	15
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Data	Code	Description	\$ List	Weight
3200488	O	<b>Rear Axle Ratio - 4.88.</b>	0	0
3300000	S	<b>Single rear brakes included w/rear hub package.</b>	0	0
3401001	S	<b>23K air brake package includes 16-1/2x7 in.</b> brakes, cast drums, aluminum 10-bolt hub pilot LMS hubs, automatic slack adjusters and oil seals for use w/ 22.5 in. wheels.	0	0
3485009	S	<b>Spring Brake: 3030 high output single.</b>	0	0
3490047	O	<b>Dustshields for drum brakes: all rear axles.</b>	81	11
3495226	S	<b>Bendix 4S/4M anti-lock brake system.</b>	0	0
3636421	O	<b>Rear suspension: single Reyco 79KB taperleaf 21K.</b> Medium-duty. Unladen Height: 9 in. Laden Height: 7.5 in. Not rear air disc brake compatible.	0	0

#### Tires & Wheels

4038806	O	<b>Front tires: Goodyear G751 MSA 11R22.5 16PR</b> 42.0in. diameter, all position. 19.6 SLR.	298	34
4238682	O	<b>Rear tires: Goodyear G182 RSD 11R22.5 16PR.</b> 42.1 in. diameter, all position. 19.6 in. SLR. Code is priced per pair of tires.	288	64
4900004	O	<b>Rear Tire Quantity: 4</b>	0	0
5042264	S	<b>Front wheel: Accuride 50487 22.5x8.25 steel</b> Steel Armor[™] powder coat, hub pilot mount. 7400lb. maximum rating. 5-hand hole. Air disc brake compatible.	0	0
5242264	S	<b>Rear wheel: Accuride 50487 22.5x8.25 steel</b> Steel Armor[™] powder coat, hub pilot mount. 7400lb. maximum rating. 5-hand hole. Air disc brake compatible. Code is priced per pair of wheels.	0	0
5853906	O	<b>Powder coat white steel wheel. Use in conjunction</b> with front, dual front, rear, spare or lift axle wheel code(s). All wheels on chassis must have same finish color.	0	0
5900004	O	<b>Rear Wheel/Rim Quantity: 4</b>	0	0

#### Frame & Equipment

6054250	O	<b>Frame Rails: 10-5/8 x 3-1/2 x 5/16 in. Steel to</b> 308 in. Truck frame weight is 2.91 lb.-in. per pair of rails. Section modulus is 14.80 cu.in., RBM is 1,776,000 in.-lbs per rail. 120,000 PSI yield. Heat treated. Frame rail availability may be restricted based upon application, axle/suspension capacity, fifth wheel setting, or component/dimensional specifications. The results of the engineering review may result in a change to the requested frame rail. If a change is required Kenworth Application Engineering will advise the dealer of the appropriate material specification for a substitute rail.	0	9
6308710	S	<b>Bumper: Aerodynamic, Painted. Requires a</b> bumper setting code.	0	0
6319409	S	<b>40.9 in. Bumper setting. Requires a bumper code.</b>	0	0
6390103	S	<b>Front mudflaps.</b>	0	0
6391201	O	<b>Custom Frame Layout: one chassis</b>	1,380	0

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Printed:	3/21/2017 9:57:01 AM	<b>Complete</b>	Model Number:	T300 Series Conventional.
Effective Date:	Jul 1, 2016		Quote/DTPO/CO:	Q15146355
Prepared by:	ID: mhogan		Version Number:	38.21



Data	Code	Description	\$ List	Weight
6404406	S	<b>Battery box: Steel parallel under w/ aluminum diamond plate cover w/ step w/ aluminum step brackets.</b>	0	0
6409901	O	<b>Battery box location: LH Side.</b>	0	0
6451059	O	<b>T270/370 Non-polished 2010 or later DPF/SCR cover with cab access step assembly, RH under. End plates will be painted standard black frame color.</b>	0	0
6490122	S	<b>Welded Steel Crossmembers: Center and Rear Frame. Standard crossmember.</b>	0	0
6679915	O	<b>Customer-installed bulkhead and/or headache rack.</b>	0	0
6742009	S	<b>Square end-of-frame w/ o crossmember;non-towing.</b>	0	0

**Fuel Tanks & Equip**

7014056	O	<b>Fuel Tank: 56 US gallon 22in. aluminum BOC</b> replace. Class 8 fuel tank includes an anti-siphon device on the filler neck.	86	-45
7016056	O	<b>Fuel Tank: 56 US gallon 22in. aluminum BOC add.</b> Class 8 fuel tank includes an anti-siphon device on the filler neck. Multiple tank installations include a fuel equalization system w/ dual draw and return lines with a splitter valve located within 6 inches behind the cab. Single draw and return is an option in some cases.	1,182	72
7722011	O	<b>Small round DEF tank. 11 gallons of</b> useable volume. The DEF tank will be located on the side you specified. If you have specific configuration or body builder concerns, please utilize the Custom Frame Layout option. Standard capacity is calculated by fuel capacity of the vehicle and will accommodate two diesel fill-ups for every DEF fill-up. For 1:1 DEF fuel fill ratio, add 7889204.	257	0
7889204	O	<b>Optional DEF to fuel fill ratio between 1:1 and 2:1.</b>	0	0
7889604	O	<b>DEF tank location is on the LH.</b>	0	0
7930056	O	<b>Location: 56 gal fuel tank RH behind cab</b>	0	0
7940056	O	<b>Location: 56 gal fuel tank LH behind cab</b>	0	0

**Cab & Equipment**

8024310	S	<b>Cab: Curved Glass Conventional.</b> Cab Includes aluminum & fiberglass fully hucked cab w/ all aluminum bulkhead doors & continuous stainless steel piano-style door hinges. Single electric horn standard. Incandescent exterior lights include diagnosable bulb detection and warning. Trailer cable on tractors includes integrity detection. Standard features include multiplex wiring for interior lights, automated pre-trip inspection, short and open check diagnostics. Warning alarm will sound when lights are left on.	0	0
8080137	O	<b>Cab door bearing blocks, top &amp; bottom.</b>	29	0
8090310	S	<b>Hood: Sloped aerodynamic hood includes grill &amp; separate bumper.</b>	0	0

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Data	Code	Description	\$ List	Weight
8108010	S	<b>Cab heater: W/integral defrosters &amp; A/C 45,000</b> btu cab heater. No sleeper heater/AC. Includes 5 mode rotary control. T660 include filter media.	0	0
8201200	O	<b>Adjustable telescoping tilt steering column.</b>	551	10
8203060	O	<b>5 sets of keys. Replaces standard 2 sets of keys.</b>	28	0
8205118	O	<b>Information for customer-installed PTO Chelsea</b> 277. 10-bolt. Available only with Allison 3000/4000 series transmissions.	41	0
8205123	O	<b>Switch &amp; Wiring for Customer-Installed PTO.</b> Electric over hydraulic PTO. Includes switch guard. Wiring is routed to LH frame for connection to the customer installed PTO. No air controls are provided with this code.	219	0
8208498	O	<b>Five spare switches: Wired to power.</b>	137	0
8282004	O	<b>KW Driver Information Center: Includes fuel</b> economy, RPM display, trip information, truck information, diagnostics, gear display, alarm clock.	227	0
8282009	S	<b>Instrument package: Includes speedometer,</b> tachometer, fuel gauge, engine coolant temperature gauge, engine oil pressure, voltmeter. Class 8 also includes primary & secondary air reservoir gauges & an air application gauge. DEF level gauge and warning lamp are included with 2010+ engines. Engine hour meter and outside air temperature readouts are standard. Primary read out will be MPH. Add 8240620 to switch primary scale to KPH in Canada.	0	0
8330003	S	<b>Cab interior: Pinnacle. Includes vinyl headliner</b> & cab back panel, slate gray interior, dark slate gray seats, floor mats, LH/RH inside sunvisor & door courtesy lights.	0	0
8410191	O	<b>Driver seat: Kenworth Air cushion Plus HB vinyl.</b> Standard features includes 7 in. fore and aft slide adjustment w/isolator, 6- 23 degree recline, air suspension with cover, dual armrests, and single chamber air lumbar support. Seat cushion is 20 inches wide w/ 2-position tilt and 2-position front cushion extension. Seat material has a horizontal stitch pattern and is 2-tone in color. Seat back is carpeted and includes a map pocket. Seat is manufactured by National. Includes inside visor and retractable 3-point matching seat belts. Grey seat belts.	133	2
8478330	O	<b>Rider seat: 2 man bench vinyl.</b> Standard features include 34.5 in. wide 2-tone seat cushion w/ fixed base. Armrests are not available. Seat back is carpeted. Includes inside visor and retractable 3-point matching seat belts. Grey seat belts.	481	61
8490150	O	<b>Seat color: Jet Black.</b>	0	0
8601420	O	<b>Kenworth Radio with AM/FM/WB</b>	264	4
8700083	O	<b>Under-dash center console: W/2 cup holders, 1</b> ashtray, 1 lighter, 1 12V outlet & a storage compartment.	86	0
8700144	O	<b>Dome lamp over driver door.</b>	22	0
8700154	O	<b>Self cancelling turn signal: W/head light dimmer</b> switch.	21	0
8800200	S	<b>Cab access contoured grabhandles, LH/RH.</b>	0	0

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Data	Code	Description	\$ List	Weight
8800400	O	Grabhandle LH inside door frame above dash.	28	0
8800401	O	Grabhandle RH inside door frame above dash.	28	2
8832115	O	DAYLITE DOOR: LH/RH INCL RH PEEPER WINDOW	0	0
8841618	O	Dual rectangular air horn 23 in. LH & RH top of roof. Includes air horn covers.	245	11
8850300	S	Look-Down, Pass. Door, Stainless 8.5x4.4	0	0
8862101	S	Mirror: Dual Prutsman mirror 7 in. x 16 in. polished stainless steel, and non-heated.	0	17
8869005	S	Mirror brackets 8-1/2 ft load width.	0	0
8871438	S	Rear Cab Stationary Window 17 in. x 36 in.	0	0
8879200	S	Manual LH & electric-powered RH door window. Switch located on door.	0	0

#### Lights & Instruments

9010801	S	Headlamps: Halogen Projector Low Beam, Halogen Complex Reflector High Beam	0	0
9020164	S	Marker Lights: with small round base, Five cab roof mounted.	0	0
9030010	S	Turn Signal Lights: Mounted on fender	0	0
9070138	S	Combination Stop, Tail, Turn & Backup Lights RH & LH.	0	0
9090845	O	Circuit Breakers: Replacing fuses. Does not apply to any 5-amp fuse box position. Breakers include stop/brake/turn, tail lamp, high & low beams, marker/clearance lamps, horn, fuel heat, gauges, air dryer, HVAC controls, panel lamps. Some circuits will remain fuses.	36	0

#### Air Equipment

9101023	O	Air dryer: Bendix AD-SP heated. With 2010 engine installations the dryer is mounted under the hood.	0	0
9108001	O	Moisture ejection valve w/ pull cable drain.	13	0

#### Extended Warranty

9200022	S	Medium-duty Warranty: 1-year/unlimited mi.	0	0
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#### Miscellaneous

9409852	O	GHG Secondary Manufacturer: Does Not Apply	0	0
9490003	O	Additional lead time required for off highway & /or specially component truck.	0	0

#### Paint

9700000	O	Paint color number. N97020 A - F8802 OMAHA ORANGE N97200 FRAME N0001 BLACK	0	0
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Prepared by:	ID: mhogan		Version Number:	38.21





Data	Code	Description	\$ List	Weight
		N97700 BUMPER F8802 OMAHA ORANGE		
9943001	O	<b>Bumper Painted Color A</b>	80	0
9943051	O	<b>Day Cab Premium Paint</b>	100	0
9944820	O	<b>1 - Color Paint - Day Cab</b> Color will be White if no other color is specified.	0	0
9965510	S	<b>Base coat/clear coat.</b> The Kenworth Color Selector contains additional instructions, as well as information on Kenworth paint guidelines and surface finish applications. Kenworth is standard with Dupont Imron Elite paint.	0	0

Total Adjusted Price (W/O Freight & Warranty & Surcharges)	\$116,193
Freight Charge	\$2,225
Options Not Subject to Discount	\$0
Surcharges Not subject to Discount	\$0
Total Weight	11166 lb

**Prices and Specifications Subject to Change Without Notice.**

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Effective Date:	Jul 1, 2016		Quote/DTPO/CO:	Q15146355
Prepared by:	ID: mhogan		Version Number:	38.21



Michigan Kenworth LLC M460  
7393 Expressway Court SW

STATE OF MICH #007116B0007544

Grand Rapids, Michigan United States 49548-7967 ,

Phone:

Phone:

(517) 284-6996

Fax:

Fax:

Email:

Contact Email:

Prepared for: Yvon Dufour

### Customer Quote

#### Equipment

Quantity Ordered:	1
Truck Price:	\$116,193
Dealer Options:	\$0
Equipment List Price:	\$116,193
Surcharges Not Subject to Discount:	\$0
Options Not Subject to Discount:	\$0
Factory Freight Cost:	\$2,225

Total Equipment Price: \$118,418

**NET Sale Price:** \$74,012

#### Miscellaneous

FET Tire Credit:	\$0	
Net Chassis FET:		\$0
State Tax:		\$0
Body/Trailer/Accessories FET:		\$0
Fees: Includes \$210 doc fee, \$15 title fee, \$24 CVR fee		\$249
Other:		\$0

**Quotation Total:** \$74,261

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Printed:	3/21/2017 10:57:06 AM	<b>Complete</b>	Model Number:	T300 Series Conventional.
Effective Date:	Jul 1, 2016		Quote/DTPO/CO:	Q25846376
Prepared by:	ID: mhogan		Version Number:	38.21



Michigan Kenworth LLC M460  
7393 Expressway Court SW

STATE OF MICH #007116B0007544

Grand Rapids, Michigan United States 49548-7967

Phone:

Phone: (517) 284-6996

Fax:

Fax:

Email:

Contact Email:

Prepared for: Yvon Dufour

## Vehicle Summary

Unit		Chassis	
Model:	T400 Series Conventional.	Fr Axle Load (lbs):	18740
Type:	FULL TRUCK	Rr Axle Load (lbs):	26000
Description:	1/1/17 pricing 3958-0170D	G.C.W. (lbs):	44741
<b>Application</b>		Road Conditions:	
Intended Serv.:	Snowplow. Vehicles which are configured for	Class A (Highway)	88
Commodity:	Gravel/crushed rock/sand	Class B (Hwy/Mtn)	10
<b>Body</b>		Class C (Off-Hwy)	02
Type:	End dump	Class D (Off-Road)	00
Length (ft):	11.0	Maximum Grade:	6
Height (ft):	13.5	Wheelbase (in):	181
Max Laden Weight (lbs):	4000	Overhang (in):	75
<b>Trailer</b>		Fr Axle to BOC (in):	67
No. of Trailer Axles:	0	Cab to Axle (in):	114
Type:		Cab to EOF (in):	189
Length (ft):	0.0	Overall Comb. Length (in):	328
Height (ft):	0.0	<b>Special Req.</b>	
Kingpin Inset (in):	0	U.S. Domestic Registry, 50-State	
Corner Radius (in):	0		
<b>Restrictions</b>			
Length (ft):	120		
Width (in):	102		
Height (ft):	13.5		

Approved by: \_\_\_\_\_

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

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

	Ask your dealer for a quote today, or visit our website @ <a href="http://www.paccarfinancial.com">www.paccarfinancial.com</a> .
	PACCAR Financial offers innovative finance, lease and insurance programs customized to meet your needs.

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Printed: 3/21/2017 11:24:42 AM

**Complete**

Model Number: T400 Series Conventional.

Effective Date: Jan 1, 2017

Quote/DTPO/CO: Q72446257

Prepared by: ID: jkamps

Version Number: 39.20





Michigan Kenworth LLC M460  
7393 Expressway Court SW

STATE OF MICH #007116B0007544

Grand Rapids, Michigan United States 49548-7967 ,

Phone:

Phone: (517) 284-6996

Fax:

Fax:

Email:

Contact Email:

Prepared for: Yvon Dufour

Data	Code	Description	\$ List	Weight
<b>Model</b>				
0000410	O	<b>T400 Series Conventional.</b>	115,988	11,511
0070071	O	<b>T470 4x2 Medium Duty</b>	0	0
0080075	O	<b>Dealer/Customer declines engine w/CARB Idle Emissions Reduction Feature.</b>	0	0
0090063	O	<b>T470 4x2 Medium Duty</b>	0	0
0091042	O	<b>Gravel/crushed rock/sand</b>	0	0
0093025	O	<b>Snowplow. Vehicles which are configured for mounting a snowplow to the front. May also have dump or other body. Typically includes some operation off of paved roads. Road usage: majority of Class A &amp; B, do not code for Class D.</b>	0	0
0095010	O	<b>End dump</b>	0	0
0098025	O	<b>U.S. Domestic Registry, 50-State</b>	0	0

**Engine & Equipment**

0129546	O	<b>PACCAR PX-9 350 2017 350@2000 321@2200 1150@1400</b> Includes turbo exhaust brake, no code is used. Diagnostic Plug for data link, Oil Cooler, Aluminum Flywheel Housing. N09200 N205 155..Standard Maximum Speed Limit [LSL] N09220 N207 0....Expiration Distance N09240 P09 120...Hard Maximum Speed Limit N09260 P14 64...Maximum Accelerator Pedal Vehicle Speed N09280 P16 0....Accelerator Lower Droop N09300 P19 64...Maximum Cruise Speed N09320 C143 0....Cruise Control Lower Droop N09360 N203 252..Reserve Speed Function Reset Distance N09380 N202 0....Maximum Cycle Distance N09400 N206 10...Maximum Active Distance N09420 N201 0....Reserve Speed Limit Offset N09440 P11 NO...Engine Protection Shutdown N09460 P06 NO...Gear Down Protection N09480 P26 1400.Max PTO Speed N09500 P02 NO...Cruise Control Auto Resume N09520 P04 NO...Auto Engine Brake in Cruise N09540 N209 0....Expiration Distance N09560 P520 YES..Enable Idle Shutdown Park Brake Set N09580 P32 5....Timer Setting N09600 P233 YES..Enable Impending Shutdown Warning N09620 P234 60...Timer For Impending Shutdown Warning N09640 P516 35...Engine Load Threshold	4,386	0
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**Complete**

Model Number: T400 Series Conventional.  
Quote/DTPO/CO: Q72446257  
Version Number: 39.20



Data	Code	Description	\$ List	Weight
		N09680 P33 NO...Idle Shutdown Manual Override		
		N09720 P230 YES..Enable Hot Ambient Automatic Override		
		N09740 P46 40...Low Ambient Temperature Threshold		
		N09760 P56 60...Intermediate Ambient Temperature Threshold		
		N09780 P47 80...High Ambient Temperature Threshold		
1000156	O	<b>Prospector Version 39.2</b> Replaces 39.1	0	0
1000684	O	<b>Effective VSL Setting NA</b>	0	0
1000858	O	<b>Engine Idle Shutdown Timer Disabled</b>	0	0
1000859	O	<b>Enable EIST Ambient Temp Override</b>	0	0
1000860	O	<b>Enable EIST in PTO Mode</b> Use only with MX and Cummins engines	0	0
1000891	O	<b>Eff EIST NA Expiration Miles</b> Use only with MX and Cummins engines	0	0
1002060	S	<b>Air compressor: Cummins 18.7 CFM FOR Cummins AND PACCAR PX engines.</b>	0	0
1051092	S	<b>Engine mount Powercore air cleaner.</b> w/constant torque SS clamps, pop-up air restriction indicator. Pop-up indicator is standard.	0	0
1093108	O	<b>Inside/outside air intake: for Powercore engine</b> mounted w/cowl inlet.	464	0
1105230	O	<b>Fan Hub: Horton 2-Speed for ISL9, ISL-G, PX-8 or PX-9</b>	419	0
1121200	O	<b>Cooling module: 1000 square inches</b> T170/T270/T370/T470. Includes metal surge tank on T170/T270/T370.	-402	0
1247166	S	<b>EXH:2017 EPA RH UNDER DPF/SCR W/ RH SIDE OF CAB VERTICAL TAILPIPE WITH DAYCABS, EXTENDED DAYCABS, OR MODULAR SLEEPERS</b>	0	0
1290142	O	<b>Tailpipe: 5 in. single 42 in. 45 degree curved.</b> For use with any Exhaust other than SCR Independent.	22	2
1321145	O	<b>Fuel Filter:Fleetguard FS1003</b> Fuel/Water Separator for PX-9	0	0
1321200	O	<b>Run Aid:None</b> *For Fuel Filter	0	0
1321305	O	<b>Start Aid:12V Heat</b> *For Fuel Filter	63	1
1500029	O	<b>Kenworth Fuel Cooler</b> Required for Cummins engines with a single fuel tank. Required for PACCAR MX-13 engine with a single fuel tank and stationary use: High RPM, low vehicle speed, sustained for longer than 1 hour. Optional for all other applications.	193	6
1504002	O	<b>Immersion block heater 120V 1000W w/plug under door on C500, T660, T800 &amp; W900.</b>	114	0
1700149	O	<b>Retarder Jacobs for PX-8/9 ISL w/ 3-way switch..</b> Replaces the standard turbo brake for PX-8 engines.	2,200	57

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Effective Date:	Jan 1, 2017		Quote/DTP0/CO:	Q72446257
Prepared by:	ID: jkamps		Version Number:	39.20





Data	Code	Description	\$ List	Weight
1816260	O	<b>Alternator: PACCAR 160 amp, brush type</b>	0	0
1821215	O	<b>Batteries: 4 PACCAR GP31 threaded post (700) 2800</b> CCA dual purpose.	330	114
1836100	S	<b>Starter: PACCAR 12 volt electrical system. W/</b> centralized power distribution incorporating plug-in style relays. Circuit protection for serviceability, 12-volt light system w/circuit protection circuits number & color coded.	0	0
1900082	O	<b>Multi-function engine connector for body builder</b> interface for Cummins.	54	0

#### Transmission & Clutch

2016158	O	<b>Transmission: Allison 4500RDS 6-speed</b> w/o retarder, w/PTO provision. 5th generation. For vocational applications. Includes shift control, transmission oil temperature gauge, oil level sensor & heat exchanger. Transynd transmission fluid is standard on all Allison 1000, 2000, 3000 & 4000 series transmissions.	27,467	647
2406452	O	<b>Driveline: 2 SPL170XL 1 centerbearing</b> requires 3500057 interaxle driveline.	1,060	46
2410018	O	<b>Torque converter included w/Allison</b> Transmission.	0	0
2410151	O	<b>Pushbutton control center console mounted.</b> Class 8 with Allison Transmission. N24100 LOCATE IN FLAT DASH PANEL N24110 IF POSSIBLE	0	0
2410204	O	<b>Delete Allison FuelSense</b>	0	0
2429038	O	<b>PTO adapter for front engine PTO.</b>	347	8
2429100	O	<b>Chassis will be fitted w/LH transmission PTO.</b> (PREVENTS ECU F/INTERFERING W/PTO ONLY)	0	0
2429101	O	<b>Chassis will be fitted w/RH transmission PTO.</b> (PREVENTS ECU F/INTERFERING W/PTO ONLY)	0	0

#### Front Axle & Equipment

2506181	O	<b>Dana Spicer D2000 Front Axle rated 20K</b> standard track.	1,819	120
2621078	O	<b>Front Brakes: 22K Bendix ES S-cam 16.5x6 in.</b>	-96	-46
2659047	O	<b>Front dustshield: for drum brakes:</b> all front axles.	70	6
2690035	O	<b>Front Brake Drum: 22,000 lbs. 16-1/2x6 in. Cast.</b>	-50	104
2702020	O	<b>Front Hubs Iron hub pilot 20,000 lbs. 10 Bolt</b> 16.5x6in. or 7in. or air disc brakes. 10 Bolt, 11-1/4 in. bolt circle. Consider Wheelguards (5850002) with aluminum wheels.	270	80
2741970	S	<b>ConMet PreSet Plus Hub package; front axle.</b>	0	0
2750001	S	<b>Hubcap: front vented.</b>	0	0
2765001	O	<b>Front Auto Slack Adjuster.</b>	0	0

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Prepared by:	ID: jkamps		Version Number:	39.20



Data	Code	Description	\$ List	Weight
2866020	O	<b>Front Springs: Taperleaf 20K w/ shock absorbers</b> w/ maintenance-free elastomer spring pin bushings. Standard with rubber pins except for C500 which has threaded pins. W900S only. Not available on W900L. W900B use 2866021.	1,104	241
2893622	O	<b>Dual power steering gears: 20K TRW TAS65.</b>	1,323	60
2899336	O	<b>Power Steering Cooler: Radiator Mounted Air-to-Oil</b> 2007 and later engines only.	281	11
2900616	O	<b>Threaded Bushings for taperleaf spring</b> 16K, 18/20K, 22K, 40K replacing rubber.	95	0

#### Rear Axle & Equipment

3061190	O	<b>Single Dana Spicer S26-190 rear axle; 26K</b> capacity rated at 26K. Single rear axle.	1,348	144
3200557	O	<b>Rear Axle Ratio - 5.57.</b>	0	0
3330004	S	<b>Single Rear Brakes 16-1/2x7 in. Bendix ES-</b> extended service S-cam.	0	0
3392001	O	<b>Single rear heavy duty Brake Drums: cast.</b> Use HD Gunitite Drum when single axle with GAWR over 23,000 lbs is selected.	147	0
3403220	O	<b>Single Rear Hubs: Iron hub pilot 11-1/4 in. bolt</b> circle.	36	52
3441971	S	<b>ConMet PreSet Plus Hub package; single rear axle.</b>	0	0
3465001	S	<b>Single Rear axle automatic slack adjusters.</b>	0	0
3485009	S	<b>Spring Brake: 3030 high output single.</b>	0	0
3490047	O	<b>Dustshields for drum brakes: all rear axles.</b>	101	11
3495226	S	<b>Bendix 4S/4M anti-lock brake system.</b>	0	0
3531001	O	<b>Wheel Differential Lock for Dana Spicer Axles</b> S21-170, S21-190, S23-170, S23-190, S26-190 & S30-190; adds D to the end of the axle part number.	1,140	28
3666434	O	<b>Rear suspension: single Reyco 79KB multileaf 31K</b> with 16 leaf springs. Not rear air disc brake compatible.	1,472	220

#### Tires & Wheels

4017181	O	<b>Front tires: Michelin XZY3 385/65R22.5 18PR</b> 42.4 in. diameter, all position. 19.6 in. SLR.	865	130
4217404	O	<b>Rear tires: Michelin XDS2 11R24.5 16PR</b> 43.9 in. diameter, drive. 20.5 SLR. Code is priced per pair of tires.	2,260	108
4900004	O	<b>Rear Tire Quantity: 4</b>	0	0
5042312	O	<b>Front wheel: Accuride 29806 22.5x12.25 steel</b> Steel Armor[™] powder coat, hub pilot mount. 11500lb. maximum rating. 5-hand holes.	865	102
5242310	O	<b>Rear wheel: Accuride 28827 24.5x8.25 steel</b> Steel Armor[™] powder coat, hub pilot mount. 8000lb. maximum rating. 2-hand hole. Code is priced per pair of wheels.	276	72

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Prepared by:	ID: jkamps		Version Number:	39.20





Data	Code	Description	\$ List	Weight
5853906	O	<b>Powder coat white steel wheel. Use in conjunction</b> with front, dual front, rear, spare or lift axle wheel code(s). All wheels on chassis must have same finish color.	0	0
5900004	O	<b>Rear Wheel/Rim Quantity: 4</b>	0	0
<b>Frame &amp; Equipment</b>				
6056705	O	<b>Frame Rails: 10-11/16 x 3-1/2 x 1/2in. Steel to</b> 336in. Truck frame weight is 4.70 lb.-in. per pair of rails. Section modulus is 22.35, RBM is 2,683,000 in-lbs per rail. Frame rail availability may be restricted based upon application, axle/suspension capacity, fifth wheel setting, or component/dimensional specifications. The results of the engineering review may result in a change to the requested frame rail. If a change is required Kenworth Application Engineering will advise the dealer of the appropriate material specification for a substitute rail.	4,361	765
6302460	S	<b>Bumper: Tapered painted steel channel.</b> Requires a bumper setting code.	0	0
6319073	O	<b>73 in. Bumper setting. Requires a bumper code.</b>	0	0
6390033	O	<b>T470 W/ extended front frame rail. Must code</b> for rail separately.	0	0
6390110	O	<b>Mudflaps, Front: Extra wide for use w/ tires that</b> are wide base singles.	54	6
6391201	O	<b>Custom Frame Layout: one chassis</b> N63910 place battery box 35" boc rhs	1,380	0
6400636	O	<b>Battery box cantilever aluminum BOC w/</b> fiberglass cover.	86	8
6409902	O	<b>Battery box location: RH Side.</b>	92	15
6451090	S	<b>T470,C5, T6, T8 non-polished DPF/SCR or CNG cover</b> diamond plate w/ step. For use w/ 2010 or later exhaust systems. For T8, use extended length non-polished battery box on opposite rail to match the length of under cab components. End plates will be painted standard black frame color.	105	0
6475201	O	<b>Short length aluminum toolbox module: Under cab,</b> aluminum diamond plate cover w/step & lock. Up to 2 air tanks may be mounted to bottom of box.	703	108
6479901	O	<b>Toolbox location: LH side.</b>	0	0
6721102	S	<b>Rear mudflap arms: Betts B-25 standard-duty,</b> straight. Includes B1732 mounting brackets as standard.	0	0
6722020	O	<b>Rear mudflap shields: White Symplastic Spray-</b> guard w/o Kenworth logo.	36	4
6741011	O	<b>Square end-of-frame w/ crossmember; non-towing.</b>	200	30
<b>Fuel Tanks &amp; Equip</b>				
7214060	O	<b>Fuel Tank: 60 US gallon 24.5in. aluminum BOC</b> replace. Class 8 fuel tanks w/ o locking caps include an anti-siphon device on the filler neck.	75	-39

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Data	Code	Description	\$ List	Weight
7722011	O	<b>Small round DEF tank. 11 gallons of</b> useable volume. The DEF tank will be located on the side you specified. If you have specific configuration or body builder concerns, please utilize the Custom Frame Layout option. Standard capacity is calculated by fuel capacity of the vehicle and will accommodate two diesel fill-ups for every DEF fill-up. For 1:1 DEF fuel fill ratio, add 7889204.	0	0
7889203	O	<b>Standard DEF to fuel fill ratio: 2:1 or greater.</b>	0	0
7889245	O	<b>Anti-siphon device swaged in place.</b> For any number of fuel tanks.	58	1
7889604	O	<b>DEF tank location is on the LH.</b>	0	0
7930060	O	<b>Location: 60 gal fuel tank RH behind cab</b>	0	0

**Cab & Equipment**

8024310	S	<b>Cab: Curved Glass Conventional.</b> Cab Includes aluminum & fiberglass fully hucked cab w/ all aluminum bulkhead doors & continuous stainless steel piano-style door hinges. Single electric horn standard. Incandescent exterior lights include diagnosable bulb detection and warning. Trailer cable on tractors includes integrity detection. Standard features include multiplex wiring for interior lights, automated pre-trip inspection, short and open check diagnostics. Warning alarm will sound when lights are left on.	0	0
8080137	O	<b>Cab door bearing blocks, top &amp; bottom.</b>	29	0
8090410	O	<b>Hood: T470 Sloped Hood for straight rail.</b> Includes radiator mounted grille, split fenders, mudflaps, & separate bumper.	550	0
8108010	S	<b>Cab heater: W/integral defrosters &amp; A/C 45,000</b> btu cab heater. No sleeper heater/AC. Includes 5 mode rotary control. T660 include filter media.	0	0
8201013	S	<b>Steering wheel: 18 in. 4-spoke.</b>	0	0
8201200	O	<b>Adjustable telescoping tilt steering column.</b>	364	10
8203060	O	<b>5 sets of keys. Replaces standard 2 sets of keys.</b>	28	0
8208498	O	<b>Five spare switches: Wired to power.</b>	160	0
8220106	O	<b>Gauge: Dash mounted air filter restriction gauge.</b>	127	0
8228423	O	<b>Custom Dash Layout</b>	1,225	0
8240014	O	<b>Additional Speedo Sensor Wire In Cab</b>	73	1
8282004	S	<b>KW Driver Information Center: Includes fuel</b> economy, RPM display, trip information, truck information, diagnostics, gear display, alarm clock.	0	0
8282009	S	<b>Instrument package: Includes speedometer,</b> tachometer, fuel gauge, engine coolant temperature gauge, engine oil pressure, voltmeter. Class 8 also includes primary & secondary air reservoir gauges & an air application gauge. DEF level gauge and warning lamp are included with 2010+ engines. Engine hour meter and outside air temperature readouts are standard. Primary read out will be MPH. Add 8240620 to switch primary scale to KPH in Canada.	0	0

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Data	Code	Description	\$ List	Weight
8282107	S	<b>Large flat panel on dash For customer-installed</b> controls. Reduces gauge count by 6.	0	0
8291040	O	<b>Warning Light: Transmission Temperature. Includes</b> Buzzer. Does Not Include Transmission Temperature Gauge. Warning Comes On When Transmission Temperature Reaches A Pre-Determined Temperature, Which Varies W/Transmission Type.	59	0
8331140	S	<b>Cab Interior: Summit. T440/T470 Only. Includes</b> smooth upholstered side & back panels w/stitched accent lines, upholstered door pads, full vinyl headliner, black dash panels & black rubber floor mats.	0	0
8343304	S	<b>Interior color: Slate Gray w/trim Dark Slate Gray</b>	0	0
8410091	S	<b>Driver seat: Kenworth Air cushion Plus HB cloth.</b> Standard features includes 7 in. fore and aft slide adjustment w/isolator, 6- 23 degree recline, air suspension with cover, dual armrests, and single chamber air lumbar support. Seat cushion is 20 inches wide w/ 2-position tilt and 2-position front cushion extension. Seat material has a horizontal stitch pattern and is 2-tone in color. Seat back is carpeted and includes a map pocket. Seat is manufactured by National. Includes inside visor and retractable 3-point matching seat belts. Grey seat belts.	0	0
8460091	O	<b>Rider seat: Kenworth Air cushion Plus HB cloth.</b> Standard features includes 7 in. fore and aft slide adjustment w/isolator, 6- 23 degree recline, air suspension with cover, dual armrests, and single chamber air lumbar support. Seat cushion is 20 inches wide w/ 2-position tilt and 2-position front cushion extension. Seat material has a horizontal stitch pattern and is 2-tone in color. Seat back is carpeted. Seat is manufactured by National. Includes inside visor and retractable 3-point matching seat belts. Grey seat belts.	376	17
8490110	S	<b>Seat color: Dark Slate Gray.</b>	0	0
8601421	O	<b>Kenworth Radio with AM/FM/WB/USB and Bluetooth</b>	410	4
8699926	O	<b>CB installation kit: Center mounted of header.</b> W/header mounted quick release CB mount. One red power post & one black ground post. Includes dual antenna leads located on the mirror brackets. Includes dual antenna & separate speaker.	242	0
8700108	O	<b>Under dash center console: Includes one cupholder</b> & two 12V outlets. For use w/Autoshift, Ultrashift, & Allison Gen IV only.	26	0
8700109	O	<b>Ashtray insert: W/cigar lighter located in center</b> console. Deletes 1 12V outlet.	15	0
8700168	S	<b>Non-self cancelling turn signal: W/column-mounted</b> headlight dimmer switch & intermittent wiper control.	0	0
8700186	S	<b>Electric LH &amp; RH door locks.</b>	0	0
8800200	S	<b>Cab access contoured grabhandles, LH/RH.</b>	0	0
8800400	S	<b>Grabhandle LH inside door frame above dash.</b>	0	0
8800401	S	<b>Grabhandle RH inside door frame above dash.</b>	0	0
8832115	O	<b>DAYLITE DOOR: LH/RH INCL RH PEEPER WINDOW</b>	0	0

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Data	Code	Description	\$ List	Weight
8841303	O	<b>Single Rectangular Air Horn 23 in. LH Top of Roof</b> Includes Air Horn Cover.	75	0
8850235	O	<b>Dual convex mirror 8.5 inch w/ offset mounting</b> below regular mirror, and non-heated.	47	8
8850300	S	<b>Look-Down, Pass. Door, Stainless 8.5x4.4</b>	0	0
8867202	O	<b>Mirror: Dual Moto heated mirrors 7 in. x 16 in.</b> LH & RH remote controlled. Switch located on door pad.	540	4
8869005	S	<b>Mirror brackets 8-1/2 ft load width.</b>	0	0
8871438	S	<b>Rear Cab Stationary Window 17 in. x 36 in.</b>	0	0
8879213	O	<b>Electric-powered LH &amp; RH door window lifts.</b> Switch located on door.	311	0
8890100	S	<b>One-piece windshield, w/ curved glass.</b>	0	0
8890134	O	<b>Exterior aerodynamic sunvisor w/ integral marker</b> lights.	268	0
8890351	O	<b>2 in. rubber wheelwell fender extension.</b>	163	8
8890898	O	<b>Link Cabmate suspension.</b>	594	22
8891000	O	<b>Quiet Cab Package: For Non-VIT Interiors.</b> Includes Firewall Insulation & Floor Covering w/ Sound Deadening Materials and Cowl Blanket	170	77

#### Lights & Instruments

9010801	S	<b>Headlamps: Halogen Projector Low Beam, Halogen</b> Complex Reflector High Beam	0	0
9026205	O	<b>Marker Lights: Five aerodynamic, LED mounted in</b> sunvisor.	21	0
9030010	S	<b>Turn Signal Lights: Mounted on fender</b>	0	0
9058037	O	<b>Switch &amp; Wiring for Customer-Installed Floodlight</b> W/O Electrical Pass-Through - 1st Set. Wire Coiled BOC/BOS.	77	0
9070138	S	<b>Combination Stop, Tail, Turn &amp; Backup Lights RH</b> & LH.	0	0
9080200	O	<b>Switch &amp; Wiring: Customer-installed beacon lights</b> w/ additional coiled wire to 20ft. coiled BOC.	191	0
9090039	S	<b>Marker Lights: Interrupter Switch.</b> Included in Turn Signal For All Models Except T3. The T3 Switch Is In The Dash.	0	0
9090058	O	<b>Switch &amp; Wiring: For customer-installed plow</b> light. Includes circuit breaker.	193	0
9090126	O	<b>Electric Backup Alarm: Meets SAE J994 &amp; OSHA</b> requirements.	132	4
9090302	O	<b>Junction Box: Mounted Behind Cab or Sleeper</b> Not Mounted at End of Frame.	127	1

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Data	Code	Description	\$ List	Weight
9090845	O	<b>Circuit Breakers: Replacing fuses. Does not</b> apply to any 5-amp fuse box position. Breakers include stop/brake/turn, tail lamp, high & low beams, marker/clearance lamps, horn, fuel heat, gauges, air dryer, HVAC controls, panel lamps. Some circuits will remain fuses.	42	0
<b>Air Equipment</b>				
9101215	S	<b>Air Dryer Bendix AD-IS heated Puraguard</b>	0	0
9108001	S	<b>Moisture ejection valve w/ pull cable drain.</b>	0	0
9110020	O	<b>Full truck kit: Gladhands mounted at end-of-</b> frame.Seven-way female receptacle mounted at end-of-frame in taillamp bracket. Kit includes dash mounted trailer air supply valve, trailer hand control valve, and hoses/fittings for the valves. Dash mounted parking brake valve, tractor protection valve, and spring brake inversion/relay valves are standard.	600	15
9140020	S	<b>Nylon air tubing in frame &amp; cab, excluding hoses</b> subject to excessive heat or flexing.	0	0
9140236	O	<b>Locate air dryer outside LH rail BOC.</b> This code requires the use of a custom frame layout code.	0	0
9140288	O	<b>Air tanks: clear of transmission area.</b> This code requires the use of a custom frame layout code. N91410 mount airtanks below lh rail N91420 parallel to frame 35" boc N91430 mount side by side	0	0
9140326	O	<b>Additional 7-way electrical receptacle mounted</b> end-of-frame.	502	2
9140328	O	<b>Trailer ABS electric supply through SAE J560</b> 7-pin connector per TMC RP137).	0	0
<b>Extended Warranty</b>				
9200002	O	<b>Severe Service Warranty.</b>	0	0
<b>Miscellaneous</b>				
9409852	O	<b>GHG Secondary Manufacturer: Does Not Apply</b> ASAP BUILD HOT ORDER	0	0
9490003	O	<b>Additional lead time required for off highway &amp;</b> /or specialty component truck.	0	0
9490206	O	<b>Warning triangle reflector kit: Shipped loose.</b> Kit consists of 3 triangles in plastic carrying case. Not floor mounted.	43	4
9490406	O	<b>One 5 lb. Dry Chemical Type Fire Extinguisher</b> Mounted Outboard of Rider Seat. Class ABC.	124	11
<b>Paint</b>				
9700000	O	<b>Paint color number.</b> N97020 A - L0754 ORANGE N97200 FRAME N0001 BLACK N97700 BUMPER N0001 BLACK	0	0

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Data	Code	Description	\$ List	Weight
9943014	O	<b>Steel Bumper Painted Frame Color</b>	0	0
9943051	O	<b>Day Cab Premium Paint</b>	200	0
9944820	O	<b>1 - Color Paint - Day Cab</b> Color will be White if no other color is specified.	0	0
9965510	S	<b>Base coat/clear coat.</b> The Kenworth Color Selector contains additional instructions, as well as information on Kenworth paint guidelines and surface finish applications. Kenworth is standard with Dupont Imron Elite paint.	0	0

Total Adjusted Price (W/O Freight & Warranty & Surcharges)	\$181,285
Freight Charge	\$2,225
Options Not Subject to Discount	\$0
Surcharges Not subject to Discount	\$0
Total Weight	14921 lb

**Prices and Specifications Subject to Change Without Notice.**

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Michigan Kenworth LLC M460  
7393 Expressway Court SW

STATE OF MICH #007116B0007544

Grand Rapids, Michigan United States 49548-7967 ,

Phone:

Phone:

(517) 284-6996

Fax:

Fax:

Email:

Contact Email:

Prepared for: Yvon Dufour

### Customer Quote

#### Equipment

Quantity Ordered:	1
Truck Price:	\$181,285
Dealer Options:	\$0
Equipment List Price:	\$181,285
Surcharges Not Subject to Discount:	\$0
Options Not Subject to Discount:	\$0
Factory Freight Cost:	\$2,225
 Total Equipment Price:	 <u>\$183,510</u>

**NET Sale Price:** \$103,794

#### Miscellaneous

FET Tire Credit:	\$0
Net Chassis FET:	\$0
State Tax:	\$0
Body/Trailer/Accessories FET:	\$0
Fees: Includes \$210 doc fee, \$15 title fee, \$24 CVR fee	\$249
Other:	\$0

**Quotation Total:** \$104,043

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Effective Date:	Jan 1, 2017		Quote/DTPO/CO:	Q00846003
Prepared by:	ID: jkamps		Version Number:	39.20



Michigan Kenworth LLC M460  
7393 Expressway Court SW

STATE OF MICH #007116B0007544

Grand Rapids, Michigan United States 49548-7967 ,

Phone:

Phone: (517) 284-6996

Fax:

Fax:

Email:

Contact Email:

Prepared for: Yvon Dufour

### Vehicle Summary

	Unit	Chassis	
Model:	T800 Series Conventional.	Fr Axle Load (lbs):	18740
Type:	FULL TRUCK	Rr Axle Load (lbs)	46000
Description:	3958-0172D	G.C.W. (lbs):	80000
	<b>Application</b>	Road Conditions:	
Intended Serv.:	Snowplow. Vehicles which are configured for	Class A (Highway)	88
Commodity:	Gravel/crushed rock/sand	Class B (Hwy/Mtn)	10
	<b>Body</b>	Class C (Off-Hwy)	02
Type:	End dump	Class D (Off-Road)	00
Length (ft):	15.0	Maximum Grade:	6
Height (ft):	13.5	Wheelbase (in):	230
Max Laden Weight (lbs):	4000	Overhang (in):	62
	<b>Trailer</b>	Fr Axle to BOC (in):	74
No. of Trailer Axles:	0	Cab to Axle (in):	156
Type:		Cab to EOF (in):	218
Length (ft):	0.0	Overall Comb. Length (in):	365
Height (ft):	0.0		
Kingpin Inset (in):	0	<b>Special Req.</b>	
Corner Radius (in):	0	U.S. Domestic Registry, 50-State	
	<b>Restrictions</b>		
Length (ft):	120		
Width (in):	102		
Height (ft):	13.5		

Approved by: \_\_\_\_\_

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

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



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**Complete**

Model Number:

T800 Series Conventional.

Effective Date:

Jul 1, 2016

Quote/DTPO/CO:

Q45146510

Prepared by:

ID: jkamps

Version Number:

38.21





Michigan Kenworth LLC M460  
7393 Expressway Court SW

STATE OF MICH #007116B0007544

Grand Rapids, Michigan United States 49548-7967 ,

Phone:

Phone: (517) 284-6996

Fax:

Fax:

Email:

Contact Email:

Prepared for: Yvon Dufour

Data	Code	Description	\$ List	Weight
Model				
0000800	O	<b>T800 Series Conventional.</b> Elastomer bushed front spring pins & heavy-duty shock absorber brackets, 16mm. fasteners from rear cab support to end-of-frame, except tractor taper crossmember. Vinyl inside sunvisors, driver side includes strap & mirror, rider side includes strap; Under-dash center console w/ 2 cup holders, 2-12V outlets & a storage compartment, Glove box door with locking latch.	162,600	15,309
0070066	O	<b>T800: Sloped Hood.</b>	0	0
0072000	O	<b>Chassis operation will not include</b> a stationary application. Stationary operation is defined as running the engine under load while stationary at a substantial fraction of engine gross horsepower (60% or greater) for an extended period of time (longer than 5 - 10 minutes).	0	0
0080075	O	<b>Dealer/Customer declines engine w/CARB Idle</b> Emissions Reduction Feature.	0	0
0090000	O	<b>Non-Sleeper w/rear axle capacity less than 59K.</b>	0	0
0091042	O	<b>Gravel/crushed rock/sand</b>	0	0
0093025	O	<b>Snowplow. Vehicles which are configured for</b> mounting a snowplow to the front. May also have dump or other body. Typically includes some operation off of paved roads. Road usage: majority of Class A & B, do not code for Class D.	0	0
0095010	O	<b>End dump</b>	0	0
0098025	O	<b>U.S. Domestic Registry, 50-State</b>	0	0

**Engine & Equipment**

0700656	S	<b>PACCAR MX-13 455 2017 455@1600 1650@900</b> with engine brake N08000 N219 0....Offset mode N08030 N224 2....Maximum Vehicle Speed Bonus N08040 N227 -2....Maximum Vehicle Speed Penalty N08190 N246 4....Minimum Vehicle Speed for DSA Activation N08200 N247 1....Lowest Gear that DSA will be active N08210 N248 6....Highest Gear that DSA will be active N09040 N162 60...Maximum Accelerator Pedal Vehicle Speed N09070 N052 650..Engine Idle Speed N09100 N015 NO...Enable Retarder During Manual Transmission Gear Selection	0	0
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**Complete**

Model Number: T800 Series Conventional.  
Quote/DTPO/CO: Q45146510  
Version Number: 38.21



Data	Code	Description	\$ List	Weight
	N09110 N019	0....Delay in Engine Brake Activation w/ Brake Pedal Depressed		
	N09120 N014	2....Auto Retard Vehicle Speed Offset		
	N09130 N013	4....Downhill Speed Limiter Vehicle Speed Offset		
	N09140 N006	60...Max Cruise Speed		
	N09150 N001	16...Minimum Speed to Turn Cruise Control Off		
	N09160 N003	19...Minimum Cruise Control Speed		
	N09170 N002	19...Min Speed to Automatically Turn Cruise Control On		
	N09200 N039	ON...Allow Multi-Torque Only When Cruise is Active		
	N09220 N188	5....Timer Setting Non-PTO Mode w/o Park Brake Set		
	N09230 N187	5....Timer Setting Non-PTO Mode w/ Park Brake Set		
	N09250 N190	YES..Reset EIST Timer Based on Engine Load		
	N09260 N191	NO...Override EIST Timer Based on Engine Load - No Shutdown		
	N09280 N186	5....Timer Setting When in PTO Mode		
	N09290 N200	YES..Allow EIST Timer Overrides in PTO Mode		
	N09300 N185	40...Low Ambient Temperature Override		
	N09310 N184	80...High Ambient Temperature Override		
	N09350 N197	YES..Enable Accelerator Pedal Reset		
	N09360 N199	YES..Enable Clutch Pedal Reset		
	N09370 N198	YES..Enable Service Brake Reset		
	N09380 N071	ON...FIC Enable/Disable		
	N09390 N072	1900.Maximum Fast Idle Control Engine Speed		
	N09440 N080	1....PTO Vehicle Speed Limit		
	N09450 N078	OFF..PTO Mode Disabled w/ Clutch Pedal Depressed		
	N09460 N101	ON...PTO Mode Disabled w/ Service Brake Depressed		
	N09470 N079	OFF..PTO Mode Enable Only w/ Parking Brake Set		
	N09480 N089	OFF..PTO Mode Enable Only w/ Transmission Neutral		
	N09500 N076	2000.Max Accelerator Controlled Eng Spd During PTO Operation		
	N09510 N307	OFF..Cab Accelerator Active in Remote PTO Mode		
	N09530 N110	ON...Enable Set Point w/ Set/Accel Switch Bump		
	N09540 N087	780..RPM Set Point		
	N09550 N086	650..Maximum Engine Speed During PTO Operation		
	N09600 N106	650..Minimum Engine Speed During PTO Operation		
	N09640 N173	0....Reserve Speed Offset		
	N09840 N179	YES..Enable Park Brake Reset		
	N09880 N164	252..Reserve Speed Function Reset Distance		
	N09900 N182	30...Coolant Temperature Override		
	N09920 N073	0....Cab Accel Pedal Type in PTO Mode		
1000156	O	<b>Prospector Version 39.2</b> Replaces 39.1	0	0
1000206	O	<b>Engine monitoring protection -Shutdown- PACCAR</b> MX engine parameter.	0	0
1000244	O	<b>Gearing Analysis: Balance</b> power/economy blend results.	0	0
1000254	O	<b>Customer's Typical Operating Spd: 65 mph.</b>	0	0
1000282	O	<b>MX Retarder State Cruise Control On Manual Mode</b> Selecting this code will program the engine controller to make manual mode available when cruise control is on, but not set, and the engine brake switch is on. Manual mode means the engine retarder activates whenever the throttle pedal is not depressed. 2013+	0	0

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1000285	O	<b>Enable MX Retarder Auto-Retard</b> Selecting this code will program the engine to utilize the auto retard mode whenever cruise control speed has been set and the engine brake switch is on. The auto-retard mode will control the vehicle speed to an offset from the cruise control set speed via the engine retarder. The offset speed shall be dependent upon customer inputs via the electronic programming work screen. 2013+	0	0
1000292	O	<b>MX PARAMETER: PTO SPD CTRL - MOBILE</b> CAB STATION SWITCHES AND ACCELERATOR	0	0
1000684	O	<b>Effective VSL Setting NA</b>	0	0
1000858	O	<b>Engine Idle Shutdown Timer Disabled</b>	0	0
1000859	O	<b>Enable EIST Ambient Temp Overage</b>	0	0
1000891	O	<b>Eff EIST NA Expiration Miles</b> Use only with MX and Cummins engines	0	0
1006003	S	<b>Air Compressor: WABCO 25.9 CFM PACCAR MX</b> 2017 440cc Air Compressor	0	0
1051086	S	<b>Air cleaner: Powercore engine mount 10 in.</b> w/constant torque SS clamps, pop-up air restriction indicator. Holds 10% more fine dust than 2500. Pop-up indicator is standard.	0	0
1098005	O	<b>Filter minder air restriction indicator mounted</b> on air cleaner replacing standard pop-up indicator.	53	0
1105210	O	<b>Fan hub: Horton 2-Speed for PACCAR MX</b>	259	0
1125640	S	<b>Cooling module: T8SH/T8B/W9S 1440 square inches.</b> Includes aluminum radiator core, aluminum charge air cooler, translucent surge tank and washer bottle, silicone hoses, and extended life coolant. Drain valve is not available w/Allison transmissions.	0	0
1247166	S	<b>EXH:2017 EPA RH UNDER DPF/SCR W/ RH SIDE OF</b> CAB VERTICAL TAILPIPE WITH DAYCABS, EXTENDED DAYCABS, OR MODULAR SLEEPERS	0	0
1290124	O	<b>Tailpipe: 5 in. single 24 in. 45 degree curved.</b>	-62	-3
1321125	O	<b>Fuel Filter: Davco 382</b> Fuel/Water Separator	353	8
1321205	O	<b>Run Aid:Fuel Heat</b> *For Fuel Filter	0	0
1321320	O	<b>Start Aid:120V Heat</b> *For Fuel Filter	185	1
1504005	O	<b>Immersion block heater 120V 1500W w/plug under</b> door on C500, T660, T800 & W900.	108	2
1816260	S	<b>Alternator: PACCAR 160 amp, brush type</b>	0	0
1821215	O	<b>Batteries: 4 PACCAR GP31 threaded post (700) 2800</b> CCA dual purpose.	196	57

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1836100	S	<b>Starter: PACCAR 12 volt electrical system. W/</b> centralized power distribution incorporating plug-in style relays. Circuit protection for serviceability, 12-volt light system w/circuit protection circuits number & color coded.	0	0
1900084	S	<b>Multi-function engine connector for body builder</b> interface PACCAR MX engine only. T680/T880: This feature is standard, no code required.	0	0
1900976	O	<b>Body Builder Control Harness coiled EOF for</b> customer installed remote throttle and remote PTO controls. Harness includes Remote PTO control and Remote Throttle controls. T680/T880 models do not require 12-way engine connector sales codes. All other models require (1900082 or 1900084).	83	2
1900996	O	<b>Jump start terminals under hood.</b>	229	12

#### Transmission & Clutch

2016158	O	<b>Transmission: Allison 4500RDS 6-speed</b> w/o retarder, w/PTO provision. 5th generation. For vocational applications. Includes shift control, transmission oil temperature gauge, oil level sensor & heat exchanger. Transynd transmission fluid is standard on all Allison 1000, 2000, 3000 & 4000 series transmissions.	27,188	385
2405405	O	<b>Driveline: 2 Dana 1810 heavy-duty 1 centerbearing</b> *Hvy duty is 1810HD series.	681	99
2406005	O	<b>45 degree yokes on interaxle drivelines.</b>	434	11
2410018	O	<b>Torque converter included w/Allison</b> Transmission.	0	0
2410073	O	<b>Customer-installed split shaft PTO Informational</b> only, nothing additional is provided.	0	0
2410151	O	<b>Pushbutton control center console mounted.</b> Class 8 with Allison Transmission.	0	0
2410203	O	<b>Allison FuelSense Base: Includes EcoCal, 5th Gen</b> Controls, and Dynamic Shift Sensing	0	0
2410244	O	<b>J1939 Park Brake Auto Neutral</b>	0	0
2429038	O	<b>PTO adapter for front engine PTO.</b>	394	8
2429100	O	<b>Chassis will be fitted w/LH transmission PTO.</b> (PREVENTS ECU F/INTERFERING W/PTO ONLY)	0	0
2429101	O	<b>Chassis will be fitted w/RH transmission PTO.</b> (PREVENTS ECU F/INTERFERING W/PTO ONLY)	0	0
2495016	O	<b>Steel centerbearing crossmember installed with</b> heavy-duty steel gussets replacing standard.	6	52

#### Front Axle & Equipment

2506181	O	<b>Dana Spicer D2000 Front Axle rated 20K</b> standard track.	2,192	120
2621078	O	<b>Front Brakes: 22K Bendix ES S-cam 16.5x6 in.</b>	-376	-46
2690035	O	<b>Front Brake Drum: 22,000 lbs. 16-1/2x6 in. Cast.</b>	-113	104

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2702020	O	<b>Front Hubs Iron hub pilot 20,000 lbs. 10 Bolt</b> 16.5x6in. or 7in. or air disc brakes. 10 Bolt, 11-1/4 in. bolt circle. Consider Wheelguards (5850002) with aluminum wheels.	315	80
2741970	S	<b>ConMet PreSet Plus Hub package; front axle.</b>	0	0
2750001	S	<b>Hubcap: front vented.</b>	0	0
2765001	O	<b>Front Auto Slack Adjuster.</b>	0	0
2866020	O	<b>Front Springs: Taperleaf 20K w/ shock absorbers</b> w/ maintenance-free elastomer spring pin bushings. Standard with rubber pins except for C500 which has threaded pins. W900S only. Not available on W900L, W900B use 2866021.	1,199	241
2895202	O	<b>Dual power steering gears: 20K Sheppard M100P.</b>	1,239	70
2899336	O	<b>Power Steering Cooler:Radiator Mounted Air-to-Oil</b> 2007 and later engines only.	344	11
2900616	O	<b>Threaded Bushings for taperleaf spring</b> 16K, 18/20K, 22K, 40K replacing rubber.	97	0

#### Rear Axle & Equipment

3144173	O	<b>Dual Dana Spicer D46-170HP rear axle rated at</b> 46K. w/ 16mm housing and 2.06in. shaft diameter. Includes pump. Tandem rear axles.	4,080	582
3200430	O	<b>Rear Axle Ratio - 4.30.</b>	0	0
3334004	S	<b>Dual Rear Brakes 16-1/2x7 in. to 46K;</b> Bendix ES-extended service S-cam.	0	0
3392005	S	<b>Dual Rear Brake Drums: cast.</b>	0	0
3403460	O	<b>Dual Rear Hubs: Iron hub pilot 11-1/4 in. BC.</b>	84	104
3441972	S	<b>ConMet PreSet Plus Hub package; dual rear axle.</b>	0	0
3465002	S	<b>Dual Rear axle automatic slack adjusters.</b>	0	0
3485209	S	<b>Spring Brake: 3030 high output dual.</b>	0	0
3495226	S	<b>Bendix 4S/4M anti-lock brake system.</b>	0	0
3500037	O	<b>Interaxle driveline:1 Dana 1710 Series</b>	0	0
3532194	O	<b>Wheel Differential Lock for Dana Spicer axles</b> D40-170(P)/D46-170(H)(P)(WT) forward rear axle & rear rear axle.	2,510	112
3573110	O	<b>Separate flip valve for dual axles:</b> differential lock or crosslock.	58	0
3747461	O	<b>Rear suspension: Tandem Hendrickson RT463 46K.</b> 54 in. axle spacing. Steel beams & barpin bushing. 7.19 in. saddle height. Unladen Height: 12.5 in. Laden Height: 11.2 in.	2,804	573

#### Tires & Wheels

4038673	O	<b>Front tires: Goodyear G296 MSA 385/65R22.5 18PR.</b> 42.5 in diameter, all position. 19.8 in SLR. On/Off highway. Wide-base tire. in. SLR.	503	110
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4238681	O	<b>Rear tires: Goodyear G182 RSD11R22.5 14PR</b> 42.1 in. diameter, all position. 19.6 in. SLR. Code is priced per pair of tires.	3,280	104
4900008	O	<b>Rear Tire Quantity: 8</b>	0	0
5045216	O	<b>Front wheel: Alcoa 82362 22.5x12.25 aluminum,</b> with Lvl One [TM] finish, hub pilot mount. 11400lb. maximum rating. Super single. Standard track axles may be over 102 in. w/425 tires. Air disc brake compatible.	737	-10
5245263	O	<b>Rear wheel: Alcoa 88565 22.5x8.25 aluminum,</b> with Lvl One [TM] finish, hub pilot mount. 8000lb. maximum rating. Severe service. Air disc brake compatible. Code is priced per pair of wheels.	1,872	-144
5900008	O	<b>Rear Wheel/Rim Quantity: 8</b>	0	0
<b>Frame &amp; Equipment</b>				
6056702	O	<b>Extended Frame Rails: 10-11/16 x 3-1/2 x 1/2 in.</b> Steel to 455 in. Truck frame weight is 4.70 lb.-in. per pair of rails. Section modulus is 22.35, RBM is 2,683,000 in-lbs per rail. Frame rail availability may be restricted based upon application, axle/suspension capacity, fifth wheel setting, or component/dimensional specifications. The results of the engineering review may result in a change to the requested frame rail. If a change is required Kenworth Application Engineering will advise the dealer of the appropriate material specification for a substitute rail.	4,940	968
6301437	O	<b>Bumper: Straight steel, painted channel.</b> Requires a bumper setting code.	-155	50
6319073	O	<b>73 in. Bumper setting. Requires a bumper code.</b>	0	0
6323004	O	<b>Rams Horn front tow hooks: 2.</b>	244	18
6390110	O	<b>Mudflaps, Front: Extra wide for use w/ tires that</b> are wide base singles.	60	6
6391209	U	<b>CUSTOM FRAME LAYOUT 5-9 CHASSIS</b> N63900 24" MIN GROUND CLEARANCE N63910 INSIDE OF FRAME RAILS CLEAR N63920 BBOX 35" BOC RHS	200	0
6397001	O	<b>Huck bolts throughout frame, where possible.</b>	275	0
6400636	O	<b>Battery box cantilever aluminum BOC w/</b> fiberglass cover.	100	8
6409902	O	<b>Battery box location: RH Side.</b>	104	15
6451094	O	<b>T470, C5, T6, T8 polished DPF/SCR or CNG cover</b> with step. For use w/ 2010 or later exhaust systems. For T8, use extended length polished battery box on opposite rail to match the length of under cab components.	477	30
6475349	O	<b>Short length steel toolbox module: Under cab,</b> step, w/o hinged cover, w/o lock. Up to 2 air tanks may be located on the bottom. hinged cover, w/o lock. Up to 2 air tanks may be mounted to bottom of box.	735	147
6479901	O	<b>Toolbox location: LH side.</b>	0	0

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6490449	U	<b>USE 6490440 HEAVY DUTY BOC CROSSMEMBER ASSEMBLY</b>	163	22
6721102	S	<b>Rear mudflap arms: Betts B-25 standard-duty, straight.</b> Includes B1732 mounting brackets as standard.	0	0
6722020	O	<b>Rear mudflap shields: White Symplastic Spray-guard w/o Kenworth logo.</b>	40	4
6741011	O	<b>Square end-of-frame w/ crossmember; non-towing.</b>	226	30

**Fuel Tanks & Equip**

7214060	O	<b>Fuel Tank: 60 US gallon 24.5in. aluminum BOC</b> replace. Class 8 fuel tanks w/ o locking caps include an anti-siphon device on the filler neck.	-178	-15
7722011	O	<b>Small round DEF tank. 11 gallons of</b> useable volume. The DEF tank will be located on the side you specified. If you have specific configuration or body builder concerns, please utilize the Custom Frame Layout option. Standard capacity is calculated by fuel capacity of the vehicle and will accommodate two diesel fill-ups for every DEF fill-up. For 1:1 DEF fuel fill ratio, add 7889204.	0	0
7889203	O	<b>Standard DEF to fuel fill ratio: 2:1 or greater.</b>	0	0
7889245	S	<b>Anti-siphon device swaged in place.</b> For any number of fuel tanks.	0	0
7889604	O	<b>DEF tank location is on the LH.</b>	0	0
7930060	O	<b>Location: 60 gal fuel tank RH behind cab</b>	0	0

**Cab & Equipment**

8024310	S	<b>Cab: Curved Glass Conventional.</b> Cab includes aluminum & fiberglass fully hucked cab w/ all aluminum bulkhead doors & continuous stainless steel piano-style door hinges. Single electric horn standard. Incandescent exterior lights include diagnosable bulb detection and warning. Trailer cable on tractors includes integrity detection. Standard features include multiplex wiring for interior lights, automated pre-trip inspection, short and open check diagnostics. Warning alarm will sound when lights are left on.	0	0
8080137	O	<b>Cab door bearing blocks, top &amp; bottom.</b>	30	0
8090137	O	<b>T800 Straight unitglas hood w/ split fenders.</b> Use w/ extended frame rails or FEPTO.	3,817	205
8098424	O	<b>Radiator Mounted Grille for use with C500 with</b> 1780 Radiator, T800 FEPTO, or T800 Wide hood. This code is not applicable to sheet metal hoods. For C500 with 1430 or 1520 Radiator, or T800 standard sloped hood, see 8098421.	680	0
8108010	S	<b>Cab heater: W/integral defrosters &amp; A/C 45,000</b> btu cab heater. No sleeper heater/AC. Includes 5 mode rotary control. T660 include filter media.	0	0
8201013	S	<b>Steering wheel: 18 in. 4-spoke.</b>	0	0
8201200	O	<b>Adjustable telescoping tilt steering column.</b>	425	10

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8203060	O	<b>5 sets of keys. Replaces standard 2 sets of keys.</b>	30	0
8208498	O	<b>Five spare switches: Wired to power.</b>	178	0
8220106	O	<b>Gauge: Dash mounted air filter restriction gauge.</b>	136	0
8228423	O	<b>Custom Dash Layout</b>	1,206	0
8240014	O	<b>Additional Speedo Sensor Wire In Cab</b>	82	1
8282004	S	<b>KW Driver Information Center: Includes fuel</b> economy, RPM display, trip information, truck information, diagnostics, gear display, alarm clock.	0	0
8282009	S	<b>Instrument package: Includes speedometer,</b> tachometer, fuel gauge, engine coolant temperature gauge, engine oil pressure, voltmeter. Class 8 also includes primary & secondary air reservoir gauges & an air application gauge. DEF level gauge and warning lamp are included with 2010+ engines. Engine hour meter and outside air temperature readouts are standard. Primary read out will be MPH. Add 8240620 to switch primary scale to KPH in Canada.	0	0
8331100	S	<b>Cab interior: Splendor. Includes smooth</b> upholstered side & back panels w/stitched accent lines, upholstered door pads, full vinyl headliner, black dash panels & black rubber floor mats.	0	0
8343304	S	<b>Interior color: Slate Gray w/trim Dark Slate Gray</b>	0	0
8410091	S	<b>Driver seat: Kenworth Air cushion Plus HB cloth.</b> Standard features includes 7 in. fore and aft slide adjustment w/isolator, 6- 23 degree recline, air suspension with cover, dual armrests, and single chamber air lumbar support. Seat cushion is 20 inches wide w/ 2-position tilt and 2-position front cushion extension. Seat material has a horizontal stitch pattern and is 2-tone in color. Seat back is carpeted and includes a map pocket. Seat is manufactured by National. Includes inside visor and retractable 3-point matching seat belts. Grey seat belts.	0	0
8460091	O	<b>Rider seat: Kenworth Air cushion Plus HB cloth.</b> Standard features includes 7 in. fore and aft slide adjustment w/isolator, 6- 23 degree recline, air suspension with cover, dual armrests, and single chamber air lumbar support. Seat cushion is 20 inches wide w/ 2-position tilt and 2-position front cushion extension. Seat material has a horizontal stitch pattern and is 2-tone in color. Seat back is carpeted. Seat is manufactured by National. Includes inside visor and retractable 3-point matching seat belts. Grey seat belts.	343	17
8490110	S	<b>Seat color: Dark Slate Gray.</b>	0	0
8601421	O	<b>Kenworth Radio with AM/FM/WB/USB and Bluetooth</b>	456	4
8699017	O	<b>Telescoping Antenna: Mounted Behind LH Door.</b> Replaces Top-of-Cab Antenna.	73	0
8699926	O	<b>CB installation kit: Center mounted of header.</b> W/header mounted quick release CB mount. One red power post & one black ground post. Includes dual antenna leads located on the mirror brackets. Includes dual antenna & separate speaker.	269	0
8700108	O	<b>Under dash center console: Includes one cupholder</b> & two 12V outlets. For use w/Autoshift, Ultrashift, & Allison Gen IV only.	25	0

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8700109	O	<b>Ashtray insert: W/cigar lighter located in center</b> console. Deletes 1 12V outlet.	15	0
8700168	S	<b>Non-self cancelling turn signal: W/column-mounted</b> headlight dimmer switch & intermittent wiper control.	0	0
8700186	S	<b>Electric LH &amp; RH door locks.</b>	0	0
8700663	O	<b>Kenworth TruckTech+</b> The Kenworth Remote Diagnostics system provides the Worlds Best reporting of engine and aftertreatment fault codes, as well as enhanced support for the truck owner through rapid communication of fault severity and recommended actions. This option is Standard on all Kenworths with an MX engine.	0	0
8800271	S	<b>Long grabhandle RH side of cab.</b>	0	0
8800373	S	<b>Long grabhandle LH side of cab.</b>	0	0
8800400	S	<b>Grabhandle LH inside door frame above dash.</b>	0	0
8800401	S	<b>Grabhandle RH inside door frame above dash.</b>	0	0
8832115	O	<b>DAYLITE DOOR: LH/RH INCL RH PEEPER WINDOW</b>	0	0
8841627	O	<b>Dual rectangular air horn 23/26 in. LH/RH top of</b> roof. Includes air horn covers.	220	4
8850300	S	<b>Look-Down, Pass. Door, Stainless 8.5x4.4</b>	0	0
8863570	O	<b>Dual convex heated mirror 8.5 inch w/ offset</b> mounting below regular mirror.	84	11
8867202	O	<b>Mirror: Dual Moto heated mirrors 7 in. x 16 in.</b> LH & RH remote controlled. Switch located on door pad.	595	0
8869005	S	<b>Mirror brackets 8-1/2 ft load width.</b>	0	0
8871445	O	<b>Rear cab stationary window 17 in. x 36 in. dark</b> tint.	32	0
8879213	O	<b>Electric-powered LH &amp; RH door window lifts.</b> Switch located on door.	261	0
8890100	S	<b>One-piece windshield, w/ curved glass.</b>	0	0
8890134	S	<b>Exterior aerodynamic sunvisor w/ integral marker</b> lights.	0	0
8890353	O	<b>4 1/2in. rubber wheelwell fender extension.</b>	274	11
8890898	O	<b>Link Cabmate suspension.</b>	658	22
8891000	O	<b>Quiet Cab Package: For Non-VIT Interiors.</b> Includes Firewall Insulation & Floor Covering w/ Sound Deadening Materials and Cowl Blanket	181	77

#### Lights & Instruments

9010802	S	<b>Headlamps: Dual Rectangular, extended life</b> halogen	0	0
9026205	O	<b>Marker Lights: Five aerodynamic, LED mounted in</b> sunvisor.	41	0

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9030014	O	<b>Turn Signal Lights: LED, mounted on fender</b>	99	0
9030052	S	<b>LED Stop, Turn, Tail: With Two LED</b> Backup Lights and With An LED License Plate.	0	0
9058020	O	<b>Coiled Wire BOC/BOS: Additional 30ft. For</b> Customer-Installed Floodlights - 1st Set.	25	0
9058037	O	<b>Switch &amp; Wiring for Customer-Installed Floodlight</b> W/O Electrical Pass-Through - 1st Set. Wire Coiled BOC/BOS.	85	0
9080200	O	<b>Switch &amp; Wiring: Customer-installed beacon lights</b> w/ additional coiled wire to 20ft. coiled BOC.	200	0
9090039	S	<b>Marker Lights: Interrupter Switch.</b> Included in Turn Signal For All Models Except T3. The T3 Switch Is In The Dash.	0	0
9090058	O	<b>Switch &amp; Wiring: For customer-installed plow</b> light. Includes circuit breaker.	202	0
9090115	O	<b>Reflectors: Two Midframe</b>	21	0
9090126	O	<b>Electric Backup Alarm: Meets SAE J994 &amp; OSHA</b> requirements.	161	4
9090302	O	<b>Junction Box: Mounted Behind Cab or Sleeper</b> Not Mounted at End of Frame.	147	1
9090845	O	<b>Circuit Breakers: Replacing fuses. Does not</b> apply to any 5-amp fuse box position. Breakers include stop/brake/turn, tail lamp, high & low beams, marker/clearance lamps, horn, fuel heat, gauges, air dryer, HVAC controls, panel lamps. Some circuits will remain fuses.	43	0

**Air Equipment**

9101215	S	<b>Air Dryer Bendix AD-IS heated Puraguard</b> N91010 PLACE LHS OUTSIDE OF RAIL N91020 BEHIND AIRTANKS (LHU)	61	0
9108001	S	<b>Moisture ejection valve w/ pull cable drain.</b>	0	0
9110020	O	<b>Full truck kit: Gladhands mounted at end-of-</b> frame. Seven-way female receptacle mounted at end-of-frame in taillamp bracket. Kit includes dash mounted trailer air supply valve, trailer hand control valve, and hoses/fittings for the valves. Dash mounted parking brake valve, tractor protection valve, and spring brake inversion/relay valves are standard.	914	15
9121057	O	<b>Additional 7-way electrical receptacle w/</b> tractor kit wired to 3 dash switches & back-up lamp switch. *Spare Switch 1 is wired to Pin YEL, Spare Switch 2 is wired to Pin GRN, Spare Switch 3 is wired to Pin BRN and Backup Lamp Switch is wired to pin BLK.	332	0
9140020	S	<b>Nylon air tubing in frame &amp; cab, excluding hoses</b> subject to excessive heat or flexing.	0	0
9140236	O	<b>Locate air dryer outside LH rail BOC.</b> This code requires the use of a custom frame layout code. N91410 place as close to boc as poss	0	0

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Printed:	3/21/2017 11:52:38 AM	<b>Complete</b>	Model Number:	T800 Series Conventional.
Effective Date:	Jul 1, 2016		Quote/DTPO/CO:	Q45146510
Prepared by:	ID: jkamps		Version Number:	38.21



Data	Code	Description	\$ List	Weight
9140288	O	<b>Air tanks: clear of transmission area.</b> This code requires the use of a custom frame layout code. N91400 LOCATE TWO AIRTANKS SIDE N91410 BY SIDE PARRELLEL TO RAIL N91420 LHU - REMOVE TOOL BOX N91430 34"X10" TANK DIMENSION	0	0
9140328	O	<b>Trailer ABS electric supply through SAE J560</b> 7-pin connector per TMC RP137).	0	0
<b>Extended Warranty</b>				
9200021	S	<b>Standard Warranty.</b>	0	0
<b>Miscellaneous</b>				
9409852	O	<b>GHG Secondary Manufacturer: Does Not Apply</b>	0	0
9490003	O	<b>Additional lead time required for off highway &amp; /or specialty component truck.</b>	0	0
9490206	O	<b>Warning triangle reflector kit: Shipped loose.</b> Kit consists of 3 triangles in plastic carrying case. Not floor mounted.	46	4
<b>Promotions</b>				
9510056	U	<b>2017 Local Government and Municipality</b> Program Tracking Code	0	0
<b>Paint</b>				
9700000	O	<b>Paint color number.</b> N97020 A - L3484 ORANGE N97200 FRAME N0001 BLACK N97700 BUMPER N0001 BLACK	0	0
9943014	O	<b>Steel Bumper Painted Frame Color</b>	0	0
9943051	O	<b>Day Cab Premium Paint</b>	200	0
9944820	O	<b>1 - Color Paint - Day Cab</b> Color will be White if no other color is specified.	0	0
9960003	O	<b>Non-standard paint color.</b>	295	0
9965510	S	<b>Base coat/clear coat.</b> The Kenworth Color Selector contains additional instructions, as well as information on Kenworth paint guidelines and surface finish applications. Kenworth is standard with Dupont Imron Elite paint.	0	0

Total Adjusted Price (W/O Freight & Warranty & Surcharges)	\$233,705
Freight Charge	\$2,225
Options Not Subject to Discount	\$0
Surcharges Not subject to Discount	\$0
Total Weight	19623 lb

**Prices and Specifications Subject to Change Without Notice.**

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Michigan Kenworth LLC M460  
7393 Expressway Court SW

STATE OF MICH #007116B0007544

Grand Rapids, Michigan United States 49548-7967

Phone:

Phone:

(517) 284-6996

Fax:

Fax:

Email:

Contact Email:

Prepared for: Yvon Dufour

### Customer Quote

#### Equipment

Quantity Ordered:	1
Truck Price:	\$233,705
Dealer Options:	\$0
Equipment List Price:	\$233,705
Surcharges Not Subject to Discount:	\$0
Options Not Subject to Discount:	\$0
Factory Freight Cost:	\$2,225
Total Equipment Price:	<u>\$235,930</u>

**NET Sale Price:** \$123,959

#### Miscellaneous

FET Tire Credit:	\$0
Net Chassis FET:	\$0
State Tax:	\$0
Body/Trailer/Accessories FET:	\$0
Fees: Includes \$210 doc fee, \$15 title fee, \$24 CVR fee	\$249
Other: Dealer Modifications for 3958-0172D plow truck	\$5,486

**Quotation Total:** \$129,694

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Printed:	3/21/2017 11:40:35 AM	<b>Complete</b>	Model Number:	T800 Series Conventional.
Effective Date:	Jul 1, 2016		Quote/DTPO/CO:	Q15046413
Prepared by:	ID: jkamps		Version Number:	38.21



	3958-0172D T8 Plow truck with underbody scraper and two wing blades*	Parts price	Labor Price	Total
3958-0172D	Battery Cable: The negative battery cable shall be run from the batteries To the engine block. This shall be a full length cable and be 00 gauge. Battery box is located 35" BOC RHS outside rail	150	396	546
3958-0172D	Engine block heater, 120v/150 watt with "y" cord for fuel heater, cord to operate both Electrical connections; body builders package easily accessible to cab.	100	150	250
3958-0172D	Oil sampling valve	75	50	125
3958-0172D	Power terminal stud: A 12 volt power terminal shall be installed on the firewall under the hood. This shall be fused and connection to 12 volt power at the starter solenoid with 6 gauge cable. The stud shall be 5/16 in. Diameter minimum and threaded for a standard nut. The stud shall be insulated from the firewall and have a removable insulated cover. This shall be mounted in an easily accessible position. This will be used to power lights and other electrical items installed by M-DOT	250	396	646
3958-0172D	Relocate airtanks lhs under driver door, install open grate steps (includes removing tool box)	250	792	142
3958-0172D	Plum airtanks to MDOT specs	50	990	1040
3958-0172D	Relocate trans ECM to inside of cab, back wall	500	990	1490
3958-0172D	Relocate DEF tank behind front fender, lhs	50	297	370
<b>EXCEPTION</b>	<b>CANNOT PROVIDE IN-CAB CONTROL FOR INSIDE/OUTSIDE AIR</b>	<b>NONE</b>	<b>NONE</b>	<b>0</b>
TOTAL	For above listed dealer modifications-includes parts & Labor			5486
*	Exact frame layout, component location, must be provided prior to build			
	Prepared 1/16/2017			



Michigan Kenworth LLC M460  
7393 Expressway Court SW

STATE OF MICH #007116B0007544

Grand Rapids, Michigan United States 49548-7967 ,

Phone:

Phone: (517) 284-6996

Fax:

Fax:

Email:

Contact Email:

Prepared for: Yvon Dufour

### Vehicle Summary

	Unit		Chassis	
Model:	T800 Series Conventional.	Fr Axle Load (lbs):		12000
Type:	TRACTOR	Rr Axle Load (lbs)		40000
Description:	3958-0178D	G.C.W. (lbs):		75000
	<b>Application</b>	Road Conditions:		
Intended Serv.:	Local pickup & delivery.	Class A (Highway)		90
	Vehicles which haul	Class B (Hwy/Mtn)		10
Commodity:	General freight	Class C (Off-Hwy)		00
	<b>Body</b>	Class D (Off-Road)		00
Type:		Maximum Grade:		6
Length (ft):	0.0	Wheelbase (in):		181
Height (ft):	0.0	Overhang (in):		60
Max Laden Weight (lbs):	0	Fr Axle to BOC (in):		74
	<b>Trailer</b>	Cab to Axle (in):		107
No. of Trailer Axles:	2	Cab to EOF (in):		167
Type:	Dry van	Overall Comb. Length (in):		848
Length (ft):	53.0			
Height (ft):	12.0	<b>Special Req.</b>		
Kingpin Inset (in):	24	U.S. Domestic Registry, 50-State		
Corner Radius (in):	0			
	<b>Restrictions</b>			
Length (ft):	120			
Width (in):	102			
Height (ft):	13.5			

Approved by: \_\_\_\_\_

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

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

	Ask your dealer for a quote today, or visit our website @ <a href="http://www.paccarfinancial.com">www.paccarfinancial.com</a> .
	PACCAR Financial offers innovative finance, lease and insurance programs customized to meet your needs.

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Printed:	3/21/2017 12:07:32 PM	<b>Complete</b>	Model Number:	T800 Series Conventional.
Effective Date:	Jul 1, 2016		Quote/DTPO/CO:	Q70746236
Prepared by:	ID: jkamps		Version Number:	38.21





Michigan Kenworth LLC M460  
7393 Expressway Court SW

STATE OF MICH #007116B0007544

Grand Rapids, Michigan United States 49548-7967 ,

Phone:

Phone: (517) 284-6996

Fax:

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Email:

Contact Email:

Prepared for: Yvon Dufour

Data	Code	Description	\$ List	Weight
<b>Model</b>				
0000800	O	<b>T800 Series Conventional.</b> Elastomer bushed front spring pins & heavy-duty shock absorber brackets, 16mm. fasteners from rear cab support to end-of-frame, except tractor taper crossmember. Vinyl inside sunvisors, driver side includes strap & mirror, rider side includes strap; Under-dash center console w/ 2 cup holders, 2-12V outlets & a storage compartment, Glove box door with locking latch.	162,600	15,309
0070066	O	<b>T800: Sloped Hood.</b>	0	0
0080075	O	<b>Dealer/Customer declines engine w/CARB Idle Emissions Reduction Feature.</b>	0	0
0090000	O	<b>Non-Sleeper w/rear axle capacity less than 59K.</b>	0	0
0091090	O	<b>General freight</b>	0	0
0093005	O	<b>Local pickup &amp; delivery. Vehicles which haul freight, typically operating within a 100-mile radius, on public streets &amp; highways, &amp; other paved surfaces, including limited Class C roads. Includes package &amp; freight delivery, as well as fuel oil or petroleum distribution, etc. Road usage: minimum 3% Class B, do not code for Class D.</b>	0	0
0096080	O	<b>Dry van</b> Include beverage trailer, curtain trailer, and chip trailer	0	0
0098025	O	<b>U.S. Domestic Registry, 50-State</b>	0	0

**Engine & Equipment**

0123645	O	<b>X15 450 2017 450@1800 1650@1000</b> w/Intebrake, Diagnostic Plug for data link, Oil Cooler, Aluminum Flywheel Housing. Linehaul, Efficiency Series N09200 N205 120..Standard Maximum Speed Limit [LSL] N09220 N207 0....Expiration Distance N09240 P13 120..Hard Maximum Speed Limit N09260 P14 68...Maximum Accelerator Pedal Vehicle Speed N09280 P16 0....Accelerator Lower Droop N09300 P19 64...Maximum Cruise Speed N09320 P38 0....Cruise Control Lower Droop N09360 N203 252..Reserve Speed Function Reset Distance N09380 N202 0....Maximum Cycle Distance N09400 N206 10...Maximum Active Distance N09420 N201 0....Reserve Speed Limit Offset N09440 P11 NO...Engine Protection Shutdown N09460 P06 YES..Gear Down Protection	3,848	300
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Prepared by: ID: jkamps

**Complete**

Model Number: T800 Series Conventional.  
Quote/DTPO/CO: Q70746236  
Version Number: 38.21



Data	Code	Description	\$ List	Weight
		N09480 P26 1400.Max PTO Speed		
		N09500 P02 NO...Cruise Control Auto Resume		
		N09520 P04 NO...Auto Engine Brake in Cruise		
		N09540 N209 0....Expiration Distance		
		N09560 P520 YES..Enable Idle Shutdown Park Brake Set		
		N09580 P32 5....Timer Setting		
		N09600 P233 YES..Enable Impending Shutdown Warning		
		N09620 P234 60...Timer For Impending Shutdown Warning		
		N09640 P516 35...Engine Load Threshold		
		N09680 P33 NO...Idle Shutdown Manual Override		
		N09720 P230 YES..Enable Hot Ambient Automatic Override		
		N09740 P46 40...Low Ambient Temperature Threshold		
		N09760 P56 60...Intermediate Ambient Temperature Threshold		
		N09780 P47 80...High Ambient Temperature Threshold		
1000156	O	<b>Prospector Version 39.2</b> Replaces 39.1	0	0
1000683	O	<b>Effective VSL Setting 65.0 MPH (USA)</b>	0	0
1000858	O	<b>Engine Idle Shutdown Timer Disabled</b>	0	0
1000859	O	<b>Enable EIST Ambient Temp Override</b>	0	0
1000860	O	<b>Enable EIST in PTO Mode</b> Use only with MX and Cummins engines	0	0
1000891	O	<b>Eff EIST NA Expiration Miles</b> Use only with MX and Cummins engines	0	0
1002080	O	<b>Air compressor: Cummins 18.7 CFM, Naturally</b> Aspirated for Cummins X15 engines	267	0
1051086	S	<b>Air cleaner: Powercore engine mount 10 in.</b> w/constant torque SS clamps, pop-up air restriction indicator. Holds 10% more fine dust than 2500. Pop-up indicator is standard.	0	0
1105221	O	<b>Fan Hub: Horton On/Off for X15</b>	0	0
1125640	S	<b>Cooling module: T8SH/T8B/W9S 1440 square inches.</b> Includes aluminum radiator core, aluminum charge air cooler, translucent surge tank and washer bottle, silicone hoses, and extended life coolant. Drain valve is not available w/Allison transmissions.	0	0
1247166	S	<b>EXH:2017 EPA RH UNDER DPF/SCR W/ RH SIDE OF</b> CAB VERTICAL TAILPIPE WITH DAYCABS, EXTENDED DAYCABS, OR MODULAR SLEEPERS	0	0
1290136	O	<b>Tailpipe: 5 in. single 36 in. 45 degree curved.</b>	0	0
1321125	O	<b>Fuel Filter: Davco 382</b> Fuel/Water Separator	353	8
1321205	O	<b>Run Aid:Fuel Heat</b> *For Fuel Filter	0	0
1321305	O	<b>Start Aid:12V Heat</b> *For Fuel Filter	51	1
1502060	O	<b>KBI NVT ether injection cold-weather starting</b> aid. Engine ECU controlled.	171	4

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Data	Code	Description	\$ List	Weight
1504005	O	<b>Immersion block heater 120V 1500W w/plug under door on C500, T660, T800 &amp; W900.</b>	108	2
1816260	S	<b>Alternator: PACCAR 160 amp, brush type</b>	0	0
1821210	S	<b>Batteries: 3 PACCAR GP31 threaded post (700) 2100 CCA dual purpose.</b>	0	0
1836100	S	<b>Starter: PACCAR 12 volt electrical system. W/ centralized power distribution incorporating plug-in style relays. Circuit protection for serviceability, 12-volt light system w/circuit protection circuits number &amp; color coded.</b>	0	0
1900082	O	<b>Multi-function engine connector for body builder interface for Cummins.</b>	61	0
1900089	O	<b>Connect BTWN C/I PTO SW &amp; Eng,Warn LMP use 1900086 W/PTO Cntrl, REQs 1900082 OR 84</b>	156	0

#### Transmission & Clutch

2016158	O	<b>Transmission: Allison 4500RDS 6-speed w/o retarder, w/PTO provision. 5th generation. For vocational applications. Includes shift control, transmission oil temperature gauge, oil level sensor &amp; heat exchanger. Transynd transmission fluid is standard on all Allison 1000, 2000, 3000 &amp; 4000 series transmissions.</b>	27,188	385
2406453	O	<b>Driveline: 2 Dana SPL250XL 1 centerbearing requires 3500057 interaxle driveline. Low maintenance offering from Spicer. On-highway 350K mi first service interval, 100K mi subsequent service interval on U-joint, splines lubed for life for life, quick disconnect end caps.</b>	1,041	95
2410018	O	<b>Torque converter included w/Allison Transmission.</b>	0	0
2410151	O	<b>Pushbutton control center console mounted. Class 8 with Allison Transmission.</b>	0	0
2410204	O	<b>Delete Allison FuelSense</b>	0	0
2429102	O	<b>Chassis will not be fitted w/transmission PTO. (PREVENTS ECU F/INTERFERING W/PTO ONLY)</b>	0	0
2490009	O	<b>07/01/16 List Credit for code 2406453 2 Dana SPL250XL D/L W/1 C/B</b>	-151	0

#### Front Axle & Equipment

2512042	S	<b>Meritor MFS12E PLUS 12.5K 3.5in. drop standard track</b>	0	0
2601605	O	<b>Front Brakes: 13.2K Bendix RSD HP-ES S-Cam 16.5x5 in. drum brake.</b>	-351	-62
2659047	O	<b>Front dustshield: for drum brakes: all front axles.</b>	78	6
2690029	O	<b>Drum Brake Knuckle for use on Meritor MFS PLUS Steer Axle</b>	0	20
2690031	O	<b>FR BRK DRUM: TRU TURN LITE 16.5X5</b>	-119	56

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Data	Code	Description	\$ List	Weight
2701300	S	<b>Front Hub: aluminum hub pilot 13,200 lbs.</b> 10-Bolt, 11-1/4 in. bolt circle .	0	0
2741970	S	<b>ConMet PreSet Plus Hub package; front axle.</b>	0	0
2750001	S	<b>Hubcap: front vented.</b>	0	0
2765001	O	<b>Front Auto Slack Adjuster.</b>	0	0
2863012	S	<b>Front Springs: Taperleaf 12K w/ shock absorbers</b> w/ maintenance-free elastomer spring pin bushings. Standard with rubber pins except for C500 which has threaded pins. Not available on W900L.	0	0
2895121	S	<b>Single power steering gear: 13.2K Sheppard M100P.</b>	0	0

#### Rear Axle & Equipment

3122245	O	<b>Dual Meritor MT40-14X3 Hypoid rear axle</b> rated at 40K. Tandem rear axle.	0	0
3200390	O	<b>Rear Axle Ratio - 3.90.</b>	0	0
3304012	O	<b>RR BRK:BENDIX RSD 16.5X7 DUAL 46K CAP</b> REDUCED STOPPING DISTANCE TRACTOR ONLY. RSD-Compliant HP-ES S-Cam, tandem axle drum brake.	-8	24
3392026	O	<b>RR BRK DRUM: TRUTURN LITE 16.5x7 DUAL</b>	121	-26
3407050	S	<b>Dual Rear Hubs: Aluminum hub pilot 46K</b> 11-1/4 in. bolt circle.	0	0
3441972	S	<b>ConMet PreSet Plus Hub package; dual rear axle.</b>	0	0
3465002	S	<b>Dual Rear axle automatic slack adjusters.</b>	0	0
3485207	O	<b>Spring Brake: 3030 long stroke dual 30 square</b> inches travel; replaces standard 2-1/2 in. travel. Helps keep brakes in adjustment longer.	29	4
3490047	O	<b>Dustshields for drum brakes: all rear axles.</b>	93	11
3495226	S	<b>Bendix 4S/4M anti-lock brake system.</b>	0	0
3500057	O	<b>Interaxle driveline 1 Dana SPL170XL</b>	0	-4
3730032	O	<b>Rear suspension: Tandem Kenworth Airglide 400 40K</b> 54 in. axle spacing. Air suspension w/ 9 in. ride height. Includes air suspension dump valve.	2,975	-250

#### Tires & Wheels

4077522	O	<b>Front tires: Bridgestone M853 11R22.5 16PR.</b> 41.8 in. diameter, 19.4 in. SLR.	458	44
4277513	O	<b>Rear tires: Bridgestone M760 Ecopia 11R22.5 14PR.</b> 42.2 in. diameter, drive, 19.6 in. SLR. Smartway certified. Code is priced per pair of tires.	448	168
4900008	O	<b>Rear Tire Quantity: 8</b>	0	0
5042264	S	<b>Front wheel: Accuride 50487 22.5x8.25 steel</b> Steel Armor <sup>TM</sup> powder coat, hub pilot mount. 7400lb. maximum rating. 5-hand hole. Air disc brake compatible.	0	0

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Data	Code	Description	\$ List	Weight
5242264	S	<b>Rear wheel: Accuride 50487 22.5x8.25 steel</b> Steel Armor[™] powder coat, hub pilot mount. 7400lb. maximum rating. 5-hand hole. Air disc brake compatible. Code is priced per pair of wheels.	0	0
5853906	O	<b>Powder coat white steel wheel. Use in conjunction</b> with front, dual front, rear, spare or lift axle wheel code(s). All wheels on chassis must have same finish color.	0	0
5900008	O	<b>Rear Wheel/Rim Quantity: 8</b>	0	0
<b>Frame &amp; Equipment</b>				
6054200	O	<b>Frame Rails: 10-5/8 x 3-1/2 x 5/16 in. Steel to</b> 284 in. Truck frame weight is 2.91 lb.-in. per pair of rails. Section modulus is 14.80, RBM is 1,776,000 in.-lbs per rail. Frame rail availability may be restricted based upon application, axle/suspension capacity, fifth wheel setting, or component/dimensional specifications. The results of the engineering review may result in a change to the requested frame rail. If a change is required Kenworth Application Engineering will advise the dealer of the appropriate material specification for a substitute rail.	0	58
6301360	S	<b>Bumper: Straight Aluminum Channel. Requires a</b> bumper setting code.	0	0
6319485	O	<b>48.5 in. Bumper setting. Requires a bumper code.</b>	0	0
6321005	O	<b>Removable Front Tow Hooks: 2.</b>	266	15
6390103	S	<b>Front mudflaps.</b>	0	0
6391201	O	<b>Custom Frame Layout: one chassis</b>	1,380	0
6405048	S	<b>Battery box module: Short length aluminum</b> parallel under cab, aluminum diamond plate cover w/ step. Up to 2 air tanks may mount to bottom of box. Batteries will be oriented perpendicular on rail.	0	0
6409901	O	<b>Battery box location: LH Side.</b>	0	0
6410010	O	<b>Frame access grabhandle(s) LH mounted. Placement</b> and quantity of grabhandles may vary due to FMCSR frame access requirements.	55	0
6410011	O	<b>Frame access grabhandle(s) RH mounted. Placement</b> and quantity of grabhandles may vary due to FMCSR frame access requirements.	55	0
6414003	O	<b>Medium aluminum frame access deck plate, 36 in.</b>	212	15
6417009	O	<b>Frame access steps: 2 for fuel/hydraulic tank</b> BOC, RH mount. Available when rear of tank under extends more than 14 in. behind rear of cab, sleeper, or side extender. For tanks located totally behind a cab or sleeper the front of the tank must be within 14 in. from the rear of cab, sleeper, or side extender.	177	6
6418008	O	<b>Frame access steps: 2 for fuel/hydraulic tank</b> BOC, LH mount. Available when rear of tank under extends more than 14 in. behind rear of cab, sleeper, or side extender. For tanks located totally behind a cab or sleeper the front of the tank must be within 14 in. from the rear of cab, sleeper, or side extender.	177	6

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Prepared by:	ID: jkamps		Version Number:	38.21



Data	Code	Description	\$ List	Weight
6451090	O	<b>T470,C5, T6, T8 non-polished DPF/SCR or CNG cover</b> diamond plate w/ step. For use w/ 2010 or later exhaust systems. For T8, use extended length non-polished battery box on opposite rail to match the length of under cab components. End plates will be painted standard black frame color.	105	30
6543052	O	<b>Fifth Wheel: ILS&lt;=40K air Hol FW35J836XL00 36 in.</b> slide, 7.8 in. height. Outboard mounting angles, 55K vertical rating, LH release. Accommodates a 2 in. SAE kingpin. Requires some style of trailer connections. Limited to use with 40K & under suspensions. Not available with lift axles.	2,526	566
6690060	O	<b>FW rear/fixed setting behind bogie 6 in</b> indicates rearmost setting measured rearward from centerline of tandem or single rear axle	0	0
6721102	S	<b>Rear mudflap arms: Betts B-25 standard-duty,</b> straight. Includes B1732 mounting brackets as standard.	0	0
6723287	O	<b>Rear mudflap shields: Fleet Engineers AeroFlap.</b> Black, polypropylene material. Without Kenworth logo. Not for use with Kenworth Aero Package.	52	0
6737122	O	<b>Quarter Fenders: Black Polypropylene w/ painted</b> steel brackets, single post mounted. No top flap, no holes & no logo.	220	40
6743111	O	<b>Tractor Taper w/ crossmember. Non-towing</b> end-of-frame configuration.	125	13

#### Fuel Tanks & Equip

7214090	O	<b>Fuel Tank: 90 US gallon 24.5in. aluminum BOC</b> replace. Class 8 fuel tanks w/ o locking caps include an anti-siphon device on the filler neck.	-37	-4
7216075	O	<b>Fuel Tank: 75 US gallon 24.5in. aluminum BOC add.</b> Class 8 fuel tanks w/ o locking caps include an anti-siphon device on the filler neck. Multiple tank installations include a fuel equalization system w/ dual draw and return lines with a splitter valve located within 6 inches behind the cab. Single draw and return is an option in some cases.	1,877	103
7722011	O	<b>Small round DEF tank. 11 gallons of</b> useable volume. The DEF tank will be located on the side you specified. If you have specific configuration or body builder concerns, please utilize the Custom Frame Layout option. Standard capacity is calculated by fuel capacity of the vehicle and will accommodate two diesel fill-ups for every DEF fill-up. For 1:1 DEF fuel fill ratio, add 7889204.	0	0
7889203	O	<b>Standard DEF to fuel fill ratio: 2:1 or greater.</b>	0	0
7889245	S	<b>Anti-siphon device swaged in place.</b> For any number of fuel tanks.	0	0
7889604	O	<b>DEF tank location is on the LH.</b>	0	0
7930090	O	<b>Location: 90 gal fuel tank RH behind cab</b>	0	0
7940075	O	<b>Location: 75 gal fuel tank LH behind cab</b>	0	0

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Effective Date: Jul 1, 2016  
Prepared by: ID: jkamps

**Complete**

Model Number: T800 Series Conventional.  
Quote/DTPO/CO: Q70746236  
Version Number: 38.21





Data	Code	Description	\$ List	Weight
<b>Cab &amp; Equipment</b>				
8024310	S	<b>Cab: Curved Glass Conventional.</b> Cab Includes aluminum & fiberglass fully hucked cab w/ all aluminum bulkhead doors & continuous stainless steel piano-style door hinges. Single electric horn standard. Incandescent exterior lights include diagnosable bulb detection and warning. Trailer cable on tractors includes integrity detection. Standard features include multiplex wiring for interior lights, automated pre-trip inspection, short and open check diagnostics. Warning alarm will sound when lights are left on.	0	0
8080137	O	<b>Cab door bearing blocks, top &amp; bottom.</b>	30	0
8090103	S	<b>Hood: Sloped Metton Hood W/ Grille &amp; Shell Use</b> For T800B 1-Piece Requires Engine Mounted Air Cleaner, 1440 Square In. Radiator & 2007+ Engines.	0	0
8108010	S	<b>Cab heater: W/integral defrosters &amp; A/C 45,000</b> btu cab heater. No sleeper heater/AC. Includes 5 mode rotary control. T660 include filter media.	0	0
8201013	S	<b>Steering wheel: 18 in. 4-spoke.</b>	0	0
8201200	O	<b>Adjustable telescoping tilt steering column.</b>	425	10
8208498	O	<b>Five spare switches: Wired to power.</b>	178	0
8282004	S	<b>KW Driver Information Center: Includes fuel</b> economy, RPM display, trip information, truck information, diagnostics, gear display, alarm clock.	0	0
8282009	S	<b>Instrument package: Includes speedometer,</b> tachometer, fuel gauge, engine coolant temperature gauge, engine oil pressure, voltmeter. Class 8 also includes primary & secondary air reservoir gauges & an air application gauge. DEF level gauge and warning lamp are included with 2010+ engines. Engine hour meter and outside air temperature readouts are standard. Primary read out will be MPH. Add 8240620 to switch primary scale to KPH in Canada.	0	0
8331100	S	<b>Cab interior: Splendor. Includes smooth</b> upholstered side & back panels w/stitched accent lines, upholstered door pads, full vinyl headliner, black dash panels & black rubber floor mats.	0	0
8343304	S	<b>Interior color: Slate Gray w/trim Dark Slate Gray</b>	0	0
8410091	S	<b>Driver seat: Kenworth Air cushion Plus HB cloth.</b> Standard features includes 7 in. fore and aft slide adjustment w/isolator, 6-23 degree recline, air suspension with cover, dual armrests, and single chamber air lumbar support. Seat cushion is 20 inches wide w/ 2-position tilt and 2-position front cushion extension. Seat material has a horizontal stitch pattern and is 2-tone in color. Seat back is carpeted and includes a map pocket. Seat is manufactured by National. Includes inside visor and retractable 3-point matching seat belts. Grey seat belts.	0	0

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Data	Code	Description	\$ List	Weight
8460091	O	<b>Rider seat: Kenworth Air cushion Plus HB cloth.</b> Standard features includes 7 in. fore and aft slide adjustment w/isolator, 6-23 degree recline, air suspension with cover, dual armrests, and single chamber air lumbar support. Seat cushion is 20 inches wide w/ 2-position tilt and 2-position front cushion extension. Seat material has a horizontal stitch pattern and is 2-tone in color. Seat back is carpeted. Seat is manufactured by National. Includes inside visor and retractable 3-point matching seat belts. Grey seat belts.	343	17
8490110	S	<b>Seat color: Dark Slate Gray.</b>	0	0
8601420	O	<b>Kenworth Radio with AM/FM/WB</b>	346	4
8700108	O	<b>Under dash center console: Includes one cupholder</b> & two 12V outlets. For use w/Autoshift, Ultrashift, & Allison Gen IV only.	25	0
8700168	S	<b>Non-self cancelling turn signal: W/column-mounted</b> headlight dimmer switch & intermittent wiper control.	0	0
8700186	S	<b>Electric LH &amp; RH door locks.</b>	0	0
8700663	O	<b>Kenworth TruckTech+</b> The Kenworth Remote Diagnostics system provides the Worlds Best reporting of engine and aftertreatment fault codes, as well as enhanced support for the truck owner through rapid communication of fault severity and recommended actions. This option is Standard on all Kenworths with an MX engine.	0	0
8800271	S	<b>Long grabhandle RH side of cab.</b>	0	0
8800373	S	<b>Long grabhandle LH side of cab.</b>	0	0
8800400	S	<b>Grabhandle LH inside door frame above dash.</b>	0	0
8800401	S	<b>Grabhandle RH inside door frame above dash.</b>	0	0
8832115	O	<b>DAYLITE DOOR: LH/RH INCL RH PEEPER WINDOW</b>	0	0
8841623	O	<b>Dual rectangular air horn 26 in. LH/RH top of</b> roof. Includes air horn covers.	230	4
8850300	S	<b>Look-Down, Pass. Door, Stainless 8.5x4.4</b>	0	0
8866100	S	<b>Mirror: Dual Prutsman fixed heated mirrors</b> 7 in. x 16 in. includes 7-1/2 in. convex mirror, RH.	0	0
8869005	S	<b>Mirror brackets 8-1/2 ft load width.</b>	0	0
8871445	O	<b>Rear cab stationary window 17 in. x 36 in. dark</b> tint.	32	0
8879200	S	<b>Manual LH &amp; electric-powered RH door window.</b> Switch located on door.	0	0
8890100	S	<b>One-piece windshield, w/ curved glass.</b>	0	0
8890134	S	<b>Exterior aerodynamic sunvisor w/ integral marker</b> lights.	0	0
8890898	O	<b>Link Cabmate suspension.</b>	658	22

## Lights & Instruments

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Data	Code	Description	\$ List	Weight
9010802	S	<b>Headlamps: Dual Rectangular, extended life</b> halogen	0	0
9026200	S	<b>Marker Lights: Five aerodynamic mounted in</b> sunvisor.	0	0
9030010	S	<b>Turn Signal Lights: Mounted on fender</b>	0	0
9030052	S	<b>LED Stop,Turn,Tail: With Two LED</b> Backup Lights and With An LED License Plate.	0	0
9090039	S	<b>Marker Lights: Interrupter Switch.</b> Included in Turn Signal For All Models Except T3. The T3 Switch Is In The Dash.	0	0
9090845	O	<b>Circuit Breakers: Replacing fuses. Does not</b> apply to any 5-amp fuse box position. Breakers include stop/brake/turn, tail lamp, high & low beams, marker/clearance lamps, horn, fuel heat, gauges, air dryer, HVAC controls, panel lamps. Some circuits will remain fuses.	43	0
<b>Air Equipment</b>				
9101215	S	<b>Air Dryer Bendix AD-IS heated Puraguard</b>	61	0
9108001	S	<b>Moisture ejection valve w/ pull cable drain.</b>	0	0
9110063	O	<b>Air &amp; Electrical Supply Kits: Tractor BOC mounted</b> kit at bellline w/ coiled air and light lines, w/o sidebar, w/ composite gladhand/light plug holder. Kit includes dash mounted trailer air supply valve, trailer hand control valve, and hoses/fittings for the valves. Dash mounted parking brake valve and tractor protection valve are standard. Air lines are detachable at one end only, light lines are detachable at both ends. Conspicuity components are standard.	1,168	19
9120012	O	<b>Air and light line length 12 feet</b>	0	0
9121057	O	<b>Additional 7-way electrical receptacle w/</b> tractor kit wired to 3 dash switches & back-up lamp switch. *Spare Switch 1 is wired to Pin YEL, Spare Switch 2 is wired to Pin GRN, Spare Switch 3 is wired to Pin BRN and Backup Lamp Switch is wired to pin BLK.	332	0
9140020	S	<b>Nylon air tubing in frame &amp; cab, excluding hoses</b> subject to excessive heat or flexing.	0	0
9140193	O	<b>Delete hosetenna. Must code for a tractor kit.</b>	-40	-8
9140328	O	<b>Trailer ABS electric supply through SAE J560</b> 7-pin connector per TMC RP137).	0	0
<b>Extended Warranty</b>				
9200021	S	<b>Standard Warranty.</b>	0	0
<b>Miscellaneous</b>				
9409852	O	<b>GHG Secondary Manufacturer: Does Not Apply</b>	0	0
9490003	O	<b>Additional lead time required for off highway &amp;</b> /or specialty component truck.	0	0

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Data	Code	Description	\$ List	Weight
<b>Paint</b>				
9700000	O	<b>Paint color number.</b> N97020 A - 874678 FLAME RED N97200 FRAME N0001 BLACK	0	0
9943004	O	<b>Bumper Unpainted</b>	0	0
9943052	O	<b>Day Cab Pearl Metallic Paint</b>	300	0
9944820	O	<b>1 - Color Paint - Day Cab</b> Color will be White if no other color is specified.	0	0
9965510	S	<b>Base coat/clear coat.</b> The Kenworth Color Selector contains additional instructions, as well as information on Kenworth paint guidelines and surface finish applications. Kenworth is standard with Dupont Imron Elite paint.	0	0

Total Adjusted Price (W/O Freight & Warranty & Surcharges)	\$210,738
Freight Charge	\$2,225
Options Not Subject to Discount	\$0
Surcharges Not subject to Discount	\$0
Total Weight	17011 lb

**Prices and Specifications Subject to Change Without Notice.**

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Effective Date:	Jul 1, 2016		Quote/DTPO/CO:	Q70746236
Prepared by:	ID: jkamps		Version Number:	38.21





Michigan Kenworth LLC M460  
7393 Expressway Court SW

STATE OF MICH #007116B0007544

Grand Rapids, Michigan United States 49548-7967

Phone:

Phone:

(517) 284-6996

Fax:

Fax:

Email:

Contact Email:

Prepared for: Yvon Dufour

### Customer Quote

#### Equipment

Quantity Ordered:	1
Truck Price:	\$210,738
Dealer Options:	\$0
Equipment List Price:	\$210,738
Surcharges Not Subject to Discount:	\$0
Options Not Subject to Discount:	\$0
Factory Freight Cost:	\$2,225

Total Equipment Price: \$212,963

#### NET Sale Price:

\$114,406

#### Miscellaneous

FET Tire Credit:	\$0	
Net Chassis FET:		\$0
State Tax:		\$0
Body/Trailer/Accessories FET:		\$0
Fees: Includes \$210 doc fee, \$15 title fee, \$24 CVR fee		\$249
Other:		\$0

#### Quotation Total:

\$114,655

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Effective Date: Jul 1, 2016  
Prepared by: ID: jkamps

**Complete**

Model Number: T800 Series Conventional.  
Quote/DTPO/CO: Q53546100  
Version Number: 38.21

**STATE OF MICHIGAN**  
 DEPARTMENT OF TECHNOLOGY, MANAGEMENT & BUDGET  
 PROCUREMENT

525 W. ALLEGAN STREET  
 LANSING, MI 48933

P.O. BOX 30026  
 LANSING, MI 48909

**NOTICE OF CONTRACT NO. 071B6600121**

between  
 THE STATE OF MICHIGAN  
 and

NAME & ADDRESS OF CONTRACTOR	PRIMARY CONTACT	EMAIL
Michigan Kenworth, LLC 7393 Expressway Court SW, Grand Rapids, MI 49548	Mary Ann Hogan	maryann.hogan@csctruck.com
	PHONE	VENDOR TAX ID # (LAST FOUR DIGITS ONLY)
	(616) 281-8610 Ext. 435	6787

STATE CONTACTS	AGENCY	NAME	PHONE	EMAIL
PROGRAM MANAGER	MDOT	Scott Poyer	(517) 284-6448	poyers@michigan.gov
CONTRACT ADMINISTRATOR	DTMB	Yvon Dufour	(517) 284-6996	dufoury@michigan.gov

CONTRACT SUMMARY			
<b>DESCRIPTION:</b> Vehicles – Cab & Chassis			
INITIAL TERM	EFFECTIVE DATE	INITIAL EXPIRATION DATE	AVAILABLE OPTIONS
Five years	August 19, 2016	November 30, 2021	One, 2 year option
PAYMENT TERMS	F.O.B.	SHIPPED TO	
Net 30	Destination		
ALTERNATE PAYMENT OPTIONS			EXTENDED PURCHASING
<input type="checkbox"/> P-card <input type="checkbox"/> Direct Voucher (DV) <input type="checkbox"/> Other			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
MINIMUM DELIVERY REQUIREMENTS			
1 unit			
MISCELLANEOUS INFORMATION			
This is a Pre-Qualification Contract for the Purchase of Cab & Chassis Trucks			
ESTIMATED CONTRACT VALUE AT TIME OF EXECUTION		\$0.00	

**For the Contractor:**

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

**Contract Administrator  
Michigan Kenworth, LLC**

\_\_\_\_\_  
**Date**

**For the State:**

\_\_\_\_\_  
**Rebecca Cook,**

**Division Director, Commodities  
State of Michigan**

\_\_\_\_\_  
**Date**





# STATE OF MICHIGAN

## STANDARD CONTRACT TERMS

This STANDARD CONTRACT (“**Contract**”) is agreed to between the State of Michigan (the “**State**”) and Michigan Kenworth, LLC (“**Contractor**”), a Michigan Limited Liability Company. This Contract is effective on August 19, 2016 (“**Effective Date**”), and unless terminated, expires on November 30, 2021.

This Contract may be renewed for up to two additional one-year period(s). Renewal must be by written agreement of the parties and will automatically extend the Term of this Contract.

The parties agree as follows:

1. **Duties of Contractor.** Contractor must perform the services and provide the deliverables described in **Schedule A – Statement of Work** (the “**Contract Activities**”). An obligation to provide delivery of any commodity is considered a service and is a Contract Activity.

Contractor must furnish all labor, equipment, materials, and supplies necessary for the performance of the Contract Activities, and meet operational standards, unless otherwise specified in Schedule A.

Contractor must: (a) perform the Contract Activities in a timely, professional, safe, and workmanlike manner consistent with standards in the trade, profession, or industry; (b) meet or exceed the performance and operational standards, and specifications of the Contract; (c) provide all Contract Activities in good quality, with no material defects; (d) not interfere with the State’s operations; (e) obtain and maintain all necessary licenses, permits or other authorizations necessary for the performance of the Contract; (f) cooperate with the State, including the State’s quality assurance personnel, and any third party to achieve the objectives of the Contract; (g) return to the State any State-furnished equipment or other resources in the same condition as when provided when no longer required for the Contract; (h) not make any media releases without prior written authorization from the State; (i) assign to the State any claims resulting from state or federal antitrust violations to the extent that those violations concern materials or services supplied by third parties toward fulfillment of the Contract; (j) comply with all State physical and IT security policies and standards which will be made available upon request; and (k) provide the State priority in performance of the Contract except as mandated by federal disaster response requirements. Any breach under this paragraph is considered a material breach.

Contractor must also be clearly identifiable while on State property by wearing identification issued by the State, and clearly identify themselves whenever making contact with the State.

2. **Notices.** All notices and other communications required or permitted under this Contract must be in writing and will be considered given and received: (a) when verified by written receipt if sent by courier; (b) when actually received if sent by mail without verification of receipt; or (c) when verified by automated receipt or electronic logs if sent by facsimile or email.

If to State:	If to Contractor:
<i>Yvon Dufour</i> 525 W. Allegan, Constitution Hall, 1 <sup>st</sup> Floor NE Lansing, MI 48933 dufour@michigan.gov (517) 284-6996	Mary Ann Hogan 7393 Expressway Court SW, Grand Rapids, MI 49548 maryann.hogan@csctruck.com 616-281-8610 EXT 435

3. **Contract Administrator.** The Contract Administrator for each party is the only person authorized to modify any terms of this Contract, and approve and execute any change under this Contract (each a “**Contract Administrator**”):

State: Yvon Dufour 525 W. Allegan, Constitution Hall, 1 <sup>st</sup> Floor NE Lansing, MI 48933 dufoury@michigan.gov (517) 284-6996	Contractor: James Kamps 7393 Expressway Court SW, Grand Rapids, MI 49548 James.kamps@csctruck.com 616-281-8610 EXT 433
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4. **Program Manager.** The Program Manager for each party will monitor and coordinate the day-to-day activities of the Contract (each a “**Program Manager**”):

State: Scott Poyer poyers@michigan.gov (517) 284-6448	Contractor: Mary Ann Hogan 7393 Expressway Court SW, Grand Rapids, MI 49548 maryann.hogan@csctruck.com 616-281-8610 EXT 435
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5. **Performance Guarantee.** Contractor must at all times have financial resources sufficient, in the opinion of the State, to ensure performance of the Contract and must provide proof upon request. The State may require a performance bond (as specified in Schedule A) if, in the opinion of the State, it will ensure performance of the Contract.
6. **Insurance Requirements.** Contractor must maintain the insurances identified below and is responsible for all deductibles. All required insurance must: (a) protect the State from claims that may arise out of, are alleged to arise out of, or result from Contractor's or a subcontractor's performance; (b) be primary and non-contributing to any comparable liability insurance (including self-insurance) carried by the State; and (c) be provided by a company with an A.M. Best rating of "A" or better, and a financial size of VII or better.

Required Limits	Additional Requirements
<b>Commercial General Liability Insurance</b>	
<u>Minimal Limits:</u> \$1,000,000 Each Occurrence Limit \$1,000,000 Personal & Advertising Injury Limit \$2,000,000 General Aggregate Limit \$2,000,000 Products/Completed Operations  <u>Deductible Maximum:</u> \$50,000 Each Occurrence	Contractor must have their policy endorsed to add “the State of Michigan, its departments, divisions, agencies, offices, commissions, officers, employees, and agents” as additional insureds using endorsement CG 20 10 11 85, or both CG 2010 07 04 and CG 2037 07 0.
<b>Umbrella or Excess Liability Insurance</b>	
<u>Minimal Limits:</u> \$5,000,000 General Aggregate	Contractor must have their policy endorsed to add “the State of Michigan, its departments, divisions, agencies, offices, commissions, officers, employees, and agents” as additional insureds.
<b>Automobile Liability Insurance</b>	
<u>Minimal Limits:</u> \$1,000,000 Per Occurrence	Contractor must have their policy: (1) endorsed to add “the State of Michigan, its departments, divisions, agencies, offices, commissions, officers, employees, and agents” as additional insureds; and (2) include Hired and Non-Owned Automobile coverage.
<b>Workers' Compensation Insurance</b>	

<u>Minimal Limits:</u> Coverage according to applicable laws governing work activities.	Waiver of subrogation, except where waiver is prohibited by law.
<b>Employers Liability Insurance</b>	
<u>Minimal Limits:</u> \$500,000 Each Accident \$500,000 Each Employee by Disease \$500,000 Aggregate Disease.	

If any of the required policies provide **claims-made** coverage, the Contractor must: (a) provide coverage with a retroactive date before the effective date of the contract or the beginning of Contract Activities; (b) maintain coverage and provide evidence of coverage for at least three (3) years after completion of the Contract Activities; and (c) if coverage is canceled or not renewed, and not replaced with another claims-made policy form with a retroactive date prior to the contract effective date, Contractor must purchase extended reporting coverage for a minimum of three (3) years after completion of work.

Contractor must: (a) provide insurance certificates to the Contract Administrator, containing the agreement or purchase order number, at Contract formation and within 20 calendar days of the expiration date of the applicable policies; (b) require that subcontractors maintain the required insurances contained in this Section; (c) notify the Contract Administrator within 5 business days if any insurance is cancelled; and (d) waive all rights against the State for damages covered by insurance. Failure to maintain the required insurance does not limit this waiver.

This Section is not intended to and is not be construed in any manner as waiving, restricting or limiting the liability of either party for any obligations under this Contract (including any provisions hereof requiring Contractor to indemnify, defend and hold harmless the State).

7. **Administrative Fee and Reporting.** Contractor must pay an administrative fee of 1% on all payments made to Contractor under the Contract including transactions with the State (including its departments, divisions, agencies, offices, and commissions), MiDEAL members, and other states (including governmental subdivisions and authorized entities). Administrative fee payments must be made by check payable to the State of Michigan and mailed to:

Department of Technology, Management and Budget  
 Financial Services – Cashier Unit  
 Lewis Cass Building  
 320 South Walnut St.  
 P.O. Box 30681  
 Lansing, MI 48909

Contractor must submit an itemized purchasing activity report, which includes at a minimum, the name of the purchasing entity and the total dollar volume in sales. Reports should be mailed to DTMB-Procurement.

The administrative fee and purchasing activity report are due within 30 calendar days from the last day of each calendar quarter.

8. **Extended Purchasing Program.** This contract is extended to MiDEAL members. MiDEAL members include local units of government, school districts, universities, community colleges, and nonprofit hospitals. A current list of MiDEAL members is available at [www.michigan.gov/mideal](http://www.michigan.gov/mideal). Upon written agreement between the State and Contractor, this contract may also be extended to: (a) State of Michigan employees and (b) other states (including governmental subdivisions and authorized entities).

If extended, Contractor must supply all Contract Activities at the established Contract prices and terms. The State reserves the right to impose an administrative fee and negotiate additional discounts based on any increased volume generated by such extensions.



Contractor must submit invoices to, and receive payment from, extended purchasing program members on a direct and individual basis.

9. **Independent Contractor.** Contractor is an independent contractor and assumes all rights, obligations and liabilities set forth in this Contract. Contractor, its employees, and agents will not be considered employees of the State. No partnership or joint venture relationship is created by virtue of this Contract. Contractor, and not the State, is responsible for the payment of wages, benefits and taxes of Contractor's employees and any subcontractors. Prior performance does not modify Contractor's status as an independent contractor.
10. **Subcontracting.** Contractor may not delegate any of its obligations under the Contract without the prior written approval of the State. Contractor must notify the State at least 90 calendar days before the proposed delegation, and provide the State any information it requests to determine whether the delegation is in its best interest. If approved, Contractor must: (a) be the sole point of contact regarding all contractual matters, including payment and charges for all Contract Activities; (b) make all payments to the subcontractor; and (c) incorporate the terms and conditions contained in this Contract in any subcontract with a subcontractor. Contractor remains responsible for the completion of the Contract Activities, compliance with the terms of this Contract, and the acts and omissions of the subcontractor. The State, in its sole discretion, may require the replacement of any subcontractor.
11. **Staffing.** The State's Contract Administrator may require Contractor to remove or reassign personnel by providing a notice to Contractor.
12. **Background Checks.** Upon request, Contractor must perform background checks on all employees and subcontractors and its employees prior to their assignment. The scope is at the discretion of the State and documentation must be provided as requested. Contractor is responsible for all costs associated with the requested background checks. The State, in its sole discretion, may also perform background checks.
13. **Assignment.** Contractor may not assign this Contract to any other party without the prior approval of the State. Upon notice to Contractor, the State, in its sole discretion, may assign in whole or in part, its rights or responsibilities under this Contract to any other party. If the State determines that a novation of the Contract to a third party is necessary, Contractor will agree to the novation and provide all necessary documentation and signatures.
14. **Change of Control.** Contractor will notify, at least 90 calendar days before the effective date, the State of a change in Contractor's organizational structure or ownership. For purposes of this Contract, a change in control means any of the following: (a) a sale of more than 50% of Contractor's stock; (b) a sale of substantially all of Contractor's assets; (c) a change in a majority of Contractor's board members; (d) consummation of a merger or consolidation of Contractor with any other entity; (e) a change in ownership through a transaction or series of transactions; (f) or the board (or the stockholders) approves a plan of complete liquidation. A change of control does not include any consolidation or merger effected exclusively to change the domicile of Contractor, or any transaction or series of transactions principally for bona fide equity financing purposes.

In the event of a change of control, Contractor must require the successor to assume this Contract and all of its obligations under this Contract.

15. **Ordering.** Contractor is not authorized to begin performance until receipt of authorization as identified in Schedule A.
16. **Acceptance.** Contract Activities are subject to inspection and testing by the State within 30 calendar days of the State's receipt of them ("**State Review Period**"), unless otherwise provided in Schedule A. If the Contract Activities are not fully accepted by the State, the State will notify Contractor by the end of the State Review Period that either: (a) the Contract Activities are accepted, but noted deficiencies must be corrected; or (b) the Contract Activities are rejected. If the State finds material deficiencies, it may: (i) reject the Contract Activities without performing any further inspections; (ii) demand performance at no additional cost; or (iii) terminate this Contract in accordance with Section 23, Termination for Cause.

Within 10 business days from the date of Contractor's receipt of notification of acceptance with deficiencies or rejection of any Contract Activities, Contractor must cure, at no additional cost, the

deficiency and deliver unequivocally acceptable Contract Activities to the State. If acceptance with deficiencies or rejection of the Contract Activities impacts the content or delivery of other non-completed Contract Activities, the parties' respective Program Managers must determine an agreed to number of days for re-submission that minimizes the overall impact to the Contract. However, nothing herein affects, alters, or relieves Contractor of its obligations to correct deficiencies in accordance with the time response standards set forth in this Contract.

If Contractor is unable or refuses to correct the deficiency within the time response standards set forth in this Contract, the State may cancel the order in whole or in part. The State, or a third party identified by the State, may perform the Contract Activities and recover the difference between the cost to cure and the Contract price plus an additional 10% administrative fee.

17. **Delivery.** Contractor must deliver all Contract Activities F.O.B. destination, within the State premises with transportation and handling charges paid by Contractor, unless otherwise specified in Schedule A. All containers and packaging becomes the State's exclusive property upon acceptance.
18. **Risk of Loss and Title.** Until final acceptance, title and risk of loss or damage to Contract Activities remains with Contractor. Contractor is responsible for filing, processing, and collecting all damage claims. The State will record and report to Contractor any evidence of visible damage. If the State rejects the Contract Activities, Contractor must remove them from the premises within 10 calendar days after notification of rejection. The risk of loss of rejected or non-conforming Contract Activities remains with Contractor. Rejected Contract Activities not removed by Contractor within 10 calendar days will be deemed abandoned by Contractor, and the State will have the right to dispose of it as its own property. Contractor must reimburse the State for costs and expenses incurred in storing or effecting removal or disposition of rejected Contract Activities.
19. **Warranty Period.** The warranty period, if applicable, for Contract Activities is a fixed period commencing on the date specified in Schedule A. If the Contract Activities do not function as warranted during the warranty period the State may return such non-conforming Contract Activities to the Contractor for a full refund.
20. **Terms of Payment.** Invoices must conform to the requirements communicated from time-to-time by the State. All undisputed amounts are payable within **30** days of the State's receipt. Contractor may only charge for Contract Activities performed as specified in Schedule A. Invoices must include an itemized statement of all charges. The State is exempt from State sales tax for direct purchases and may be exempt from federal excise tax, if Services purchased under this Agreement are for the State's exclusive use. Notwithstanding the foregoing, all prices are inclusive of taxes, and Contractor is responsible for all sales, use and excise taxes, and any other similar taxes, duties and charges of any kind imposed by any federal, state, or local governmental entity on any amounts payable by the State under this Contract.

The State has the right to withhold payment of any disputed amounts until the parties agree as to the validity of the disputed amount. The State will notify Contractor of any dispute within a reasonable time. Payment by the State will not constitute a waiver of any rights as to Contractor's continuing obligations, including claims for deficiencies or substandard Contract Activities. Contractor's acceptance of final payment by the State constitutes a waiver of all claims by Contractor against the State for payment under this Contract, other than those claims previously filed in writing on a timely basis and still disputed.

The State will only disburse payments under this Contract through Electronic Funds Transfer (EFT). Contractor must register with the State at <http://www.michigan.gov/cpexpress> to receive electronic fund transfer payments. If Contractor does not register, the State is not liable for failure to provide payment. Without prejudice to any other right or remedy it may have, the State reserves the right to set off at any time any amount then due and owing to it by Contractor against any amount payable by the State to Contractor under this Contract.

21. **Liquidated Damages** Liquidated damages, if applicable, will be assessed as described in Schedule A.
22. **Stop Work Order.** The State may suspend any or all activities under the Contract at any time. The State will provide Contractor a written stop work order detailing the suspension. Contractor must comply with the stop work order upon receipt. Within 90 calendar days, or any longer period agreed to by Contractor, the State will either: (a) issue a notice authorizing Contractor to resume work, or (b) terminate the Contract or purchase order. The State will not pay for Contract Activities, Contractor's lost profits, or any additional compensation during a stop work period.

- 23. Termination for Cause.** The State may terminate this Contract for cause, in whole or in part, if Contractor, as determined by the State: (a) endangers the value, integrity, or security of any location, data, or personnel; (b) becomes insolvent, petitions for bankruptcy court proceedings, or has an involuntary bankruptcy proceeding filed against it by any creditor; (c) engages in any conduct that may expose the State to liability; (d) breaches any of its material duties or obligations; or (e) fails to cure a breach within the time stated in a notice of breach. Any reference to specific breaches being material breaches within this Contract will not be construed to mean that other breaches are not material.

If the State terminates this Contract under this Section, the State will issue a termination notice specifying whether Contractor must: (a) cease performance immediately, or (b) continue to perform for a specified period. If it is later determined that Contractor was not in breach of the Contract, the termination will be deemed to have been a Termination for Convenience, effective as of the same date, and the rights and obligations of the parties will be limited to those provided in Section 24, Termination for Convenience.

The State will only pay for amounts due to Contractor for Contract Activities accepted by the State on or before the date of termination, subject to the State's right to set off any amounts owed by the Contractor for the State's reasonable costs in terminating this Contract. The Contractor must pay all reasonable costs incurred by the State in terminating this Contract for cause, including administrative costs, attorneys' fees, court costs, transition costs, and any costs the State incurs to procure the Contract Activities from other sources.

- 24. Termination for Convenience.** The State may immediately terminate this Contract in whole or in part without penalty and for any reason, including but not limited to, appropriation or budget shortfalls. The termination notice will specify whether Contractor must: (a) cease performance of the Contract Activities immediately, or (b) continue to perform the Contract Activities in accordance with Section 25, Transition Responsibilities. If the State terminates this Contract for convenience, the State will pay all reasonable costs, as determined by the State, for State approved Transition Responsibilities.

- 25. Transition Responsibilities.** Upon termination or expiration of this Contract for any reason, Contractor must, for a period of time specified by the State (not to exceed 90 calendar days), provide all reasonable transition assistance requested by the State, to allow for the expired or terminated portion of the Contract Activities to continue without interruption or adverse effect, and to facilitate the orderly transfer of such Contract Activities to the State or its designees. Such transition assistance may include, but is not limited to: (a) continuing to perform the Contract Activities at the established Contract rates; (b) taking all reasonable and necessary measures to transition performance of the work, including all applicable Contract Activities, training, equipment, software, leases, reports and other documentation, to the State or the State's designee; (c) taking all necessary and appropriate steps, or such other action as the State may direct, to preserve, maintain, protect, or return to the State all materials, data, property, and confidential information provided directly or indirectly to Contractor by any entity, agent, vendor, or employee of the State; (d) transferring title in and delivering to the State, at the State's discretion, all completed or partially completed deliverables prepared under this Contract as of the Contract termination date; and (e) preparing an accurate accounting from which the State and Contractor may reconcile all outstanding accounts (collectively, "**Transition Responsibilities**"). This Contract will automatically be extended through the end of the transition period.

- 26. General Indemnification.** Contractor must defend, indemnify and hold the State, its departments, divisions, agencies, offices, commissions, officers, and employees harmless, without limitation, from and against any and all actions, claims, losses, liabilities, damages, costs, attorney fees, and expenses (including those required to establish the right to indemnification), arising out of or relating to: (a) any breach by Contractor (or any of Contractor's employees, agents, subcontractors, or by anyone else for whose acts any of them may be liable) of any of the promises, agreements, representations, warranties, or insurance requirements contained in this Contract; (b) any infringement, misappropriation, or other violation of any intellectual property right or other right of any third party; (c) any bodily injury, death, or damage to real or tangible personal property occurring wholly or in part due to action or inaction by Contractor (or any of Contractor's employees, agents, subcontractors, or by anyone else for whose acts any of them may be liable); and (d) any acts or omissions of Contractor (or any of Contractor's employees, agents, subcontractors, or by anyone else for whose acts any of them may be liable).



The State will notify Contractor in writing if indemnification is sought; however, failure to do so will not relieve Contractor, except to the extent that Contractor is materially prejudiced. Contractor must, to the satisfaction of the State, demonstrate its financial ability to carry out these obligations.

The State is entitled to: (i) regular updates on proceeding status; (ii) participate in the defense of the proceeding; (iii) employ its own counsel; and to (iv) retain control of the defense if the State deems necessary. Contractor will not, without the State's written consent (not to be unreasonably withheld), settle, compromise, or consent to the entry of any judgment in or otherwise seek to terminate any claim, action, or proceeding. To the extent that any State employee, official, or law may be involved or challenged, the State may, at its own expense, control the defense of that portion of the claim.

Any litigation activity on behalf of the State, or any of its subdivisions under this Section, must be coordinated with the Department of Attorney General. An attorney designated to represent the State may not do so until approved by the Michigan Attorney General and appointed as a Special Assistant Attorney General.

27. **Infringement Remedies.** If, in either party's opinion, any piece of equipment, software, commodity, or service supplied by Contractor or its subcontractors, or its operation, use or reproduction, is likely to become the subject of a copyright, patent, trademark, or trade secret infringement claim, Contractor must, at its expense: (a) procure for the State the right to continue using the equipment, software, commodity, or service, or if this option is not reasonably available to Contractor, (b) replace or modify the same so that it becomes non-infringing; or (c) accept its return by the State with appropriate credits to the State against Contractor's charges and reimburse the State for any losses or costs incurred as a consequence of the State ceasing its use and returning it.
28. **Limitation of Liability.** The State is not liable for consequential, incidental, indirect, or special damages, regardless of the nature of the action.
29. **Disclosure of Litigation, or Other Proceeding.** Contractor must notify the State within 14 calendar days of receiving notice of any litigation, investigation, arbitration, or other proceeding (collectively, "**Proceeding**") involving Contractor, a subcontractor, or an officer or director of Contractor or subcontractor, that arises during the term of the Contract, including: (a) a criminal Proceeding; (b) a parole or probation Proceeding; (c) a Proceeding under the Sarbanes-Oxley Act; (d) a civil Proceeding involving: (1) a claim that might reasonably be expected to adversely affect Contractor's viability or financial stability; or (2) a governmental or public entity's claim or written allegation of fraud; or (e) a Proceeding involving any license that Contractor is required to possess in order to perform under this Contract.
30. **State Data.** All data and information provided to Contractor by or on behalf of the State, and all data and information derived therefrom, is the exclusive property of the State ("**State Data**"); this definition is to be construed as broadly as possible. Upon request, Contractor must provide to the State, or a third party designated by the State, all State Data within 10 calendar days of the request and in the format requested by the State. Contractor will assume all costs incurred in compiling and supplying State Data. No State Data may be used for any marketing purposes.
31. **Reserved.**
32. **Non-Disclosure of Confidential Information.** The parties acknowledge that each party may be exposed to or acquire communication or data of the other party that is confidential, privileged communication not intended to be disclosed to third parties. The provisions of this Section survive the termination of this Contract.
  - a. Meaning of Confidential Information. For the purposes of this Contract, the term "**Confidential Information**" means all information and documentation of a party that: (a) has been marked "confidential" or with words of similar meaning, at the time of disclosure by such party; (b) if disclosed orally or not marked "confidential" or with words of similar meaning, was subsequently summarized in writing by the disclosing party and marked "confidential" or with words of similar meaning; and, (c) should reasonably be recognized as confidential information of the disclosing party. The term "Confidential Information" does not include any information or documentation that was: (a) subject to disclosure under the Michigan Freedom of Information Act (FOIA); (b) already in the possession of the receiving party without an obligation of confidentiality; (c)

developed independently by the receiving party, as demonstrated by the receiving party, without violating the disclosing party's proprietary rights; (d) obtained from a source other than the disclosing party without an obligation of confidentiality; or, (e) publicly available when received, or thereafter became publicly available (other than through any unauthorized disclosure by, through, or on behalf of, the receiving party). For purposes of this Contract, in all cases and for all matters, State Data is deemed to be Confidential Information.

- b. Obligation of Confidentiality. The parties agree to hold all Confidential Information in strict confidence and not to copy, reproduce, sell, transfer, or otherwise dispose of, give or disclose such Confidential Information to third parties other than employees, agents, or subcontractors of a party who have a need to know in connection with this Contract or to use such Confidential Information for any purposes whatsoever other than the performance of this Contract. The parties agree to advise and require their respective employees, agents, and subcontractors of their obligations to keep all Confidential Information confidential. Disclosure to a subcontractor is permissible where: (a) use of a subcontractor is authorized under this Contract; (b) the disclosure is necessary or otherwise naturally occurs in connection with work that is within the subcontractor's responsibilities; and (c) Contractor obligates the subcontractor in a written contract to maintain the State's Confidential Information in confidence. At the State's request, any employee of Contractor or any subcontractor may be required to execute a separate agreement to be bound by the provisions of this Section.
- c. Cooperation to Prevent Disclosure of Confidential Information. Each party must use its best efforts to assist the other party in identifying and preventing any unauthorized use or disclosure of any Confidential Information. Without limiting the foregoing, each party must advise the other party immediately in the event either party learns or has reason to believe that any person who has had access to Confidential Information has violated or intends to violate the terms of this Contract and each party will cooperate with the other party in seeking injunctive or other equitable relief against any such person.
- d. Remedies for Breach of Obligation of Confidentiality. Each party acknowledges that breach of its obligation of confidentiality may give rise to irreparable injury to the other party, which damage may be inadequately compensable in the form of monetary damages. Accordingly, a party may seek and obtain injunctive relief against the breach or threatened breach of the foregoing undertakings, in addition to any other legal remedies which may be available, to include, in the case of the State, at the sole election of the State, the immediate termination, without liability to the State, of this Contract or any Statement of Work corresponding to the breach or threatened breach.
- e. Surrender of Confidential Information upon Termination. Upon termination of this Contract or a Statement of Work, in whole or in part, each party must, within 5 calendar days from the date of termination, return to the other party any and all Confidential Information received from the other party, or created or received by a party on behalf of the other party, which are in such party's possession, custody, or control; provided, however, that Contractor must return State Data to the State following the timeframe and procedure described further in this Contract. Should Contractor or the State determine that the return of any Confidential Information is not feasible, such party must destroy the Confidential Information and must certify the same in writing within 5 calendar days from the date of termination to the other party.

**33. Reserved**

**34. Reserved.**

**35. Reserved.**

**36. Records Maintenance, Inspection, Examination, and Audit.** The State or its designee may audit Contractor to verify compliance with this Contract. Contractor must retain, and provide to the State or its

designee and the auditor general upon request, all financial and accounting records related to the Contract through the term of the Contract and for 4 years after the latter of termination, expiration, or final payment under this Contract or any extension (“**Audit Period**”). If an audit, litigation, or other action involving the records is initiated before the end of the Audit Period, Contractor must retain the records until all issues are resolved.

Within 10 calendar days of providing notice, the State and its authorized representatives or designees have the right to enter and inspect Contractor's premises or any other places where Contract Activities are being performed, and examine, copy, and audit all records related to this Contract. Contractor must cooperate and provide reasonable assistance. If any financial errors are revealed, the amount in error must be reflected as a credit or debit on subsequent invoices until the amount is paid or refunded. Any remaining balance at the end of the Contract must be paid or refunded within 45 calendar days.

This Section applies to Contractor, any parent, affiliate, or subsidiary organization of Contractor, and any subcontractor that performs Contract Activities in connection with this Contract.

37. **Warranties and Representations.** Contractor represents and warrants: (a) Contractor is the owner or licensee of any Contract Activities that it licenses, sells, or develops and Contractor has the rights necessary to convey title, ownership rights, or licensed use; (b) all Contract Activities are delivered free from any security interest, lien, or encumbrance and will continue in that respect; (c) the Contract Activities will not infringe the patent, trademark, copyright, trade secret, or other proprietary rights of any third party; (d) Contractor must assign or otherwise transfer to the State or its designee any manufacturer's warranty for the Contract Activities; (e) the Contract Activities are merchantable and fit for the specific purposes identified in the Contract; (f) the Contract signatory has the authority to enter into this Contract; (g) all information furnished by Contractor in connection with the Contract fairly and accurately represents Contractor's business, properties, finances, and operations as of the dates covered by the information, and Contractor will inform the State of any material adverse changes; and (h) all information furnished and representations made in connection with the award of this Contract is true, accurate, and complete, and contains no false statements or omits any fact that would make the information misleading. A breach of this Section is considered a material breach of this Contract, which entitles the State to terminate this Contract under Section 23, Termination for Cause.
38. **Conflicts and Ethics.** Contractor will uphold high ethical standards and is prohibited from: (a) holding or acquiring an interest that would conflict with this Contract; (b) doing anything that creates an appearance of impropriety with respect to the award or performance of the Contract; (c) attempting to influence or appearing to influence any State employee by the direct or indirect offer of anything of value; or (d) paying or agreeing to pay any person, other than employees and consultants working for Contractor, any consideration contingent upon the award of the Contract. Contractor must immediately notify the State of any violation or potential violation of these standards. This Section applies to Contractor, any parent, affiliate, or subsidiary organization of Contractor, and any subcontractor that performs Contract Activities in connection with this Contract.
39. **Compliance with Laws.** Contractor must comply with all federal, state and local laws, rules and regulations.
40. **Reserved.**
41. **Reserved.**
42. **Nondiscrimination.** Under the Elliott-Larsen Civil Rights Act, 1976 PA 453, MCL 37.2101, *et seq.*, and the Persons with Disabilities Civil Rights Act, 1976 PA 220, MCL 37.1101, *et seq.*, Contractor and its subcontractors agree not to discriminate against an employee or applicant for employment with respect to hire, tenure, terms, conditions, or privileges of employment, or a matter directly or indirectly related to employment, because of race, color, religion, national origin, age, sex, height, weight, marital status, or mental or physical disability. Breach of this covenant is a material breach of this Contract.
43. **Unfair Labor Practice.** Under MCL 423.324, the State may void any Contract with a Contractor or subcontractor who appears on the Unfair Labor Practice register compiled under MCL 423.322.
44. **Governing Law.** This Contract is governed, construed, and enforced in accordance with Michigan law, excluding choice-of-law principles, and all claims relating to or arising out of this Contract are governed



by Michigan law, excluding choice-of-law principles. Any dispute arising from this Contract must be resolved in Michigan Court of Claims. Contractor consents to venue in Ingham County, and waives any objections, such as lack of personal jurisdiction or *forum non conveniens*. Contractor must appoint agents in Michigan to receive service of process.

45. **Non-Exclusivity.** Nothing contained in this Contract is intended nor will be construed as creating any requirements contract with Contractor. This Contract does not restrict the State or its agencies from acquiring similar, equal, or like Contract Activities from other sources.
46. **Force Majeure.** Neither party will be in breach of this Contract because of any failure arising from any disaster or acts of god that are beyond their control and without their fault or negligence. Each party will use commercially reasonable efforts to resume performance. Contractor will not be relieved of a breach or delay caused by its subcontractors. If immediate performance is necessary to ensure public health and safety, the State may immediately contract with a third party.
47. **Dispute Resolution.** The parties will endeavor to resolve any Contract dispute in accordance with this provision. The dispute will be referred to the parties' respective Contract Administrators or Program Managers. Such referral must include a description of the issues and all supporting documentation. The parties must submit the dispute to a senior executive if unable to resolve the dispute within 15 business days. The parties will continue performing while a dispute is being resolved, unless the dispute precludes performance. A dispute involving payment does not preclude performance.  
  
Litigation to resolve the dispute will not be instituted until after the dispute has been elevated to the parties' senior executive and either concludes that resolution is unlikely, or fails to respond within 15 business days. The parties are not prohibited from instituting formal proceedings: (a) to avoid the expiration of statute of limitations period; (b) to preserve a superior position with respect to creditors; or (c) where a party makes a determination that a temporary restraining order or other injunctive relief is the only adequate remedy. This Section does not limit the State's right to terminate the Contract.
48. **Media Releases.** News releases (including promotional literature and commercial advertisements) pertaining to the Contract or project to which it relates must not be made without prior written State approval, and then only in accordance with the explicit written instructions of the State.
49. **Website Incorporation.** The State is not bound by any content on Contractor's website unless expressly incorporated directly into this Contract.
50. **Order of Precedence.** In the event of a conflict between the terms and conditions of the Contract, the Schedules, a purchase order, or an amendment, the order of precedence is: (a) the purchase order; (b) the amendment; (c) Schedule A; (d) any other Schedules; and (e) the Contract.
51. **Severability.** If any part of this Contract is held invalid or unenforceable, by any court of competent jurisdiction, that part will be deemed deleted from this Contract and the severed part will be replaced by agreed upon language that achieves the same or similar objectives. The remaining Contract will continue in full force and effect.
52. **Waiver.** Failure to enforce any provision of this Contract will not constitute a waiver.
53. **Survival.** The provisions of this Contract that impose continuing obligations, including warranties and representations, termination, transition, insurance coverage, indemnification, and confidentiality, will survive the expiration or termination of this Contract.
54. **Entire Contract and Modification.** This Contract is the entire agreement and replaces all previous agreements between the parties for the Contract Activities. This Contract may not be amended except by signed agreement between the parties (a "**Contract Change Notice**").

# STATE OF MICHIGAN

Contract No. 071B6600121  
Vehicles – Cab & Chassis

## SCHEDULE A STATEMENT OF WORK CONTRACT ACTIVITIES

<b>Requirements</b>
<b>1. Specifications</b>
<b>1.1 The Contractor must provide the following:</b>
<p><b>A. Cab and Chassis vehicles per Schedule B - Specifications.</b></p> <p>All vehicles to be furnished hereunder shall conform to the attached specifications (Schedule B – Specifications). If equipment does not fully comply with specifications, dealers shall include a list of designated exceptions to specifications. When no statement of exception is indicated, conformance to specifications will be required. Exceptions must be registered with the item number(s) to which it applies and list the description of equipment involved. The State reserves the right to accept or reject exceptions to the specification.</p>
<p><b>B. New Equipment</b></p> <p>All vehicles must be new and of the manufacturer’s current models in production at the time of order. All standard or optional equipment to be included shall be as advertised by the manufacturer (OEM) and factory installed and shall not consist of substitute or after-market equipment. Equipment not available from the factory may be dealer installed, in compliance with specifications.</p>
<p><b>C. Options</b></p> <p>The Contractor shall provide options for Cab &amp; Chassis at the lowest price available to all State Agencies, and Extended Purchasing Participants.</p>
<b>1.2 Warranties</b>
<p>All vehicles purchased on this contract will be covered at a minimum by the same manufacturer’s vehicle warranty as is provided to retail customers. The Contractor will be responsible for all materials and accessories used in the vehicle, whether the same is ready made or from an outside source; and <u>this responsibility may not be</u> transferred, conveyed, assigned to any other person, company, corporation or entity without the previous written approval of the State.</p> <p>Extension of warranty and or other policy adjustments will be considered when constant maintenance is required or if replacement parts prove unsound. The State of Michigan shall expect the manufacturer to have an adequate stock of replacement parts available to service State of Michigan, and Extended Purchasing Participants vehicles, and to make delivery of all replacement parts to their dealers who may service the State of Michigan, and Extended Purchasing Participants vehicles, within a reasonable time. The prime Contractor will be required to contact the State of Michigan, and Extended Purchasing Participants within ten (10) days after receipt of a contract release or purchase order, to arrange procedures concerning the implementation of warranty claims and to designate personnel to handle claims.</p>
<b>1.3 Recall Requirements and Procedures</b>
<p>The Contractor shall notify the Program Manager (PM) or their Designee within 48 hours of a recall notice via email.</p>
<b>1.4 Quality Assurance Program</b>
<p>Kenworth Premier Care – Roadside assistance to the nearest dealer is available 24/7.</p>
<b>2. Service Levels</b>
<b>2.1 Time Frames</b>
<p>Delivery shall be within:</p> <ul style="list-style-type: none"><li>• 90-120 calendar days after receipt of the order for Cab &amp; Chassis without body equipment.</li></ul>

<ul style="list-style-type: none"> <li>• 120-240 calendar days after receipt of order for Cab &amp; Chassis equipped with Dump, Stake, or Van Type Bodies.</li> </ul> <p>The Contractor and the State, or Extended Purchasing Participants, may mutually agree upon alternate schedules in writing. Deviations from the agreed upon schedule exceeding seven (7) calendar days shall be subject to section 10, Invoice Credits.</p>
<p><b>2.2 Training</b></p> <p>The dealer shall provide access for State and Extended Purchasing Participants mechanics to all on-line service and repair information including service bulletins for all vehicles purchased.</p> <p>The dealer shall provide access for State and Extended Purchasing Participants mechanics to service and repair training for the models purchased. Training shall be similar to the training offered to dealership mechanics. Access to all engine service and training information is available.</p> <p><u>Kenworth Field Training:</u></p> <p>The Contractor shall provide training one time annually for a scheduled State event in the Mid-Michigan area. This training shall be provided at no charge.</p>
<p><b>2.3 Reporting</b></p> <p>The State reserves the right to request reports from the Contractor.</p> <p>By the second Friday of every December, the Contractor must submit a report of recycled content in commodities sold in that calendar year to contact <b>Yvon Dufour, or DTMB Procurement Designee</b>.</p>
<p><b>2.4 Documents</b></p> <p>Contractor shall submit the following documents at the time of delivery:</p> <ol style="list-style-type: none"> <li>Owner's/Operator's manual for vehicle and all add-on equipment.</li> <li>Warranty papers for chassis, body, and additional equipment if applicable.</li> <li>Maintenance manual(s).</li> </ol>
<p><b>2.5 Meetings</b></p> <p>The State may request a kick-off meeting with the Contractor within thirty (30) days of the Effective Date. The State may request other meetings, as it deems appropriate.</p>
<p><b>3. Staffing</b></p>
<p><b>3.1 Contractor Representative</b></p> <p>The Contractor shall appoint an individual, specifically assigned to State of Michigan accounts, that will respond to State inquiries regarding the Contract Activities, answering questions related to ordering and delivery, etc. (the "Contractor Representative").</p> <p>James Kamps  Office: 616-281-8610 ext. 433  Cell: 616-558-9291  <a href="mailto:James.kamps@csctruck.com">James.kamps@csctruck.com</a></p> <p>The Contractor shall notify the Contract Administrator at least <b>30</b> calendar days before removing or assigning a new Contractor Representative.</p>
<p><b>3.2 Customer Service, Technical Support, Repairs and Maintenance Toll-Free Number</b></p> <p>The Contractor shall specify its toll-free number for the State to make contact with the Contractor Representative. The Contractor Representative shall be available for calls during the hours of 8 am to 5 pm EST.</p> <p><b>(800) 306-0200</b></p>
<p><b>3.3 Disclosure of Subcontractors</b></p>



If the Contractor intends to utilize subcontractors, the Contractor shall disclose the following:  
The legal business name; address; telephone number; a description of subcontractor's organization and the services it will provide; and information concerning subcontractor's ability to provide the Contract Activities.  
The relationship of the subcontractor to the Contractor.  
Whether the Contractor has a previous working experience with the subcontractor. If yes, provide the details of that previous relationship.  
A complete description of the Contract Activities that will be performed or provided by the subcontractor.  
Of the total cost, the price of the subcontractor's work.

#### **4. Pricing**

##### **4.1 Price Term**

The pre-qualified pool of Contractors shall bid annually on vehicles. Compliance with specifications and the lowest bid, shall govern award for vehicles by manufacturer, model category, and/or model groups. The State reserves the right to negotiate with one or more Contractors. Once vehicles are awarded, prices are fixed for one model year with an option to "roll-over" pricing for the next model years. "Model year" is defined as the current model year at the time of the bid release. Dealers are obligated to provide the vehicle at the bid price as long as that model year is produced. "Roll-over" pricing shall be upon mutual agreement between the State and the dealer. The State reserves the right to prohibit "roll-over" pricing for any reason. Vehicles that are not rolled over are included in the upcoming annual bid cycle.

##### **4.2 Price Changes**

Prices quoted are the maximum to be charged during the vehicle model year. Model year is defined as the current model year at the time of the bid release.

Dealers are obligated to provide the vehicle at the bid price as long as that model year is produced with the following exceptions:

- a) The State or Extended Purchasing Participants shall receive the benefit of any decrease in price that may occur.
- b) If changes in manufacturer standard equipment or federal regulations affect the cost of the vehicle(s) during the model year by more than one hundred-dollars (\$100), the Contractor may request a price revision to reflect the actual cost increase experienced. The request must be accompanied by evidence that the change actually affected the Contractor's cost.
- c) If the State of Michigan raises the cost of the vehicle title fees during the contract period, Contractors may request a price adjustment to reflect the actual cost increase experienced.

Changes may be either increase or decrease, and may be requested by either party. Approved changes shall be firm for the remainder of the model year, and shall take effect 30 days after authorization by Contract Change Notice. The postmark date on the Contract Release/Purchase Order shall determine prices to be charged on an order that may have been in transit prior to implementation of price revisions.

Requests for price changes shall be RECEIVED IN WRITING AT LEAST 30 DAYS PRIOR TO THEIR EFFECTIVE DATE, and are subject to written acceptance before becoming effective. In the event new prices are not acceptable, the vehicle will be added to the upcoming bid cycle making it available for all pre-qualified dealers to submit bids. The continued payment of any charges due after September 30th of any fiscal year will be subject to the availability of an appropriation for this purpose.

#### **5. Ordering**

##### **5.1 Authorizing Document**

Orders for delivery of commodities and/or services will be issued directly by the State, or Extended Purchasing Participants, through the issuance of a Purchase Order Form referencing this contract. The Contractor is asked to reference all items per section **8.1 Invoice Requirements**.

The Contractor is only authorized to sell vehicles specifically listed on their contract within the respective model year.

Any misrepresentations, such as selling of other vehicles, could be subject to the following:

1. Submittal of an official Vendor Performance with the State.
2. Loss of award (Contractor's current awarded vehicles to be re-bid amongst other Contractors).
3. Early removal from pre-qualification.

<p><b>5.2 Order Verification</b></p> <p>The Contractor must have internal controls to verify abnormal orders and to ensure that only authorized individuals place orders.</p> <p>When an item is backordered, the Contractor shall notify the State or Extended Purchasing Participants within ten (10) business days.</p> <p>The Contractor shall provide an order confirmation within two (2) business days via email to the Designee indicated on the Purchase Order.</p> <p>The Contractor shall provide a delivery timeframe within ten (10) business days via email to the Designee indicated on the Purchase Order.</p>
<p><b>6. Delivery</b></p> <p><b>A. F.O.B. Delivered Items</b></p> <p>Prices shall be quoted "F.O.B. Delivered" with transportation charges prepaid on all orders for State of Michigan Agencies, in the vicinity of Lansing, Michigan. Other F.O.B. terms will not be accepted and may disqualify a dealer from further consideration.</p> <p><b>B. F.O.B. dealership Items</b></p> <p>Prices shall be quoted "F.O.B. Dealership" with transportation charges prepaid to the primary Contractor location on all orders for Extended Purchasing Participants. Dealers must also quote a delivery cost per mile to facilitate calculation of delivery cost to various locations within Michigan. The delivery fee per vehicle for Extended Purchasing Participants shall be a maximum of \$2.50 per mile starting at the first mile. Dealers can include a lower delivery fee than \$2.50 per mile in their bid responses. The delivery cost per mile will be added to the unit cost of the vehicle unit price quoted to determine the "Total Unit Price" for "F.O.B. Dealership" items. Mileage will be calculated based upon the "Official Michigan Department of Transportation Highway Map". Other F.O.B. terms will not be accepted and may disqualify a dealer from further consideration.</p> <p><b>C. Driver Delivery</b></p> <p>Contractors will be permitted to drive vehicles to final destinations in compliance with the "Affidavit for Driver Delivery" attached, however, the affidavit must be completed, submitted, and in the contract file within Purchasing Operations to be applicable.</p> <p>Delivery must be made between the hours of 8:00 A.M. and 4:00 P.M., Monday through Friday ONLY, excluding State Holidays. Contractors shall contact the ordering agency 48 hours prior to the scheduled delivery time and date, to obtain confirmation of staff availability.</p>
<p><b>7. Acceptance</b></p> <p><b>7.1 Acceptance and Inspection</b></p> <p>Prior to delivery, each vehicle shall be serviced and inspected by the dealer or their agent. At a minimum, this pre-delivery service and inspection shall cover the specifications listed in the State of Michigan Specifications <b>per Schedule B, Pre-Delivery Service</b>. A copy of the Contractor's inspection and <u>service check</u>, including the Contractor's and vehicle identification, check-off of service and inspection performed and the service manager's signature shall be furnished <u>with each vehicle</u> delivered. The vehicles crank case, differential and transmission shall be filled to the manufacturer's recommended capacity and the fuel tank shall have a minimum of one-fourth of a tank of fuel when the vehicle arrives at the delivery destination. The Contractor shall provide a completed odometer statement, completed RD108 application for title form, vehicle window sticker or line setting ticket, and invoice for each vehicle at the time of delivery. The vehicle shall be clean and free from defects when delivered.</p> <p>The receipt of all items from section 2.4 shall be submitted complete.</p> <p>Each unit shall have an initial fill of windshield washer solution with solvent giving winter protection.</p> <p>The receiving State Agency and Extended Purchasing Participants have been instructed to make inspection on receipt of units and to process payment documents promptly. Payment documents, however, will be delayed if the vehicle fails to comply with specification requirements.</p>
<p><b>8. Invoice and Payment</b></p> <p><b>8.1 Invoice Requirements</b></p>

All invoices submitted to the State must include: (a) date; (b) contract number; (c) purchase order; (d) quantity; (e) description of the Contract Activities; (f) base vehicle unit price; (g) option unit price; (h) shipping cost (if any); and (i) total price.

## 8.2 MiDeal Requirements

- a) The Contractor must ensure that all purchasers are MiDEAL Members before extending the Contract pricing.
- b) The Contractor must submit quarterly reports of MiDEAL purchasing activities (**See Standard Contract Terms, section 7**).
- c) To the extent that MiDEAL Members purchase Deliverable(s) under this Contract, the quantities of Deliverable(s) purchased will be included in determining the appropriate rate wherever tiered pricing based on quantity is provided.
- d) The Contractor shall submit invoices to and receive payment from MiDEAL Members on a direct and individual basis (**See Standard Contract Terms, section 8**).

## 9. Additional Requirements

### 9.1 Environmental and Energy Efficient Products

The Contractor shall identify any energy efficient, bio-based, or otherwise environmental friendly products used in the products to the Program Manager (PM) prior to delivery. This information must include any relevant third-party certification.

**The Contractor shall identify any energy efficient, bio-based, or otherwise environmental friendly products used in their products to the Program Manager (PM) 2 weeks prior to delivery.**

### 9.2 Recycled Content and Recyclability

**Deliverable(s).** Without compromising performance or quality, the State prefers Deliverable(s) containing higher percentages of recycled materials. The Contractor must indicate an estimate of the percentage of recycled materials, if any, contained in each Deliverable:

- (total estimated percentage of recovered material)
- (estimated percentage of post-consumer material)
- (estimated percentage of post-industrial waste)

### 9.3 Hazardous Chemical Identification

In accordance with the federal Emergency Planning and Community Right-to-Know Act, 42 USC 11001, *et seq.*, as amended, the Contractor must provide a Safety Data Sheet listing any hazardous chemicals, as defined in 40 CFR §370.2, to be delivered. Each hazardous chemical must be properly identified, including any applicable identification number, such as a National Stock Number or Special Item Number.

**The Contractor shall provide all current SDS to the Program Manager (PM) 2 weeks prior to delivery.**

### 9.4 Mercury Content

Pursuant to MCL 18.1261d, mercury-free products must be procured when possible. The Contractor must explain if it intends to provide products containing mercury, the amount or concentration of mercury, and whether cost competitive alternatives exist. If a cost competitive alternative does exist, the Contractor must provide justification as to why the particular product is essential. All products containing mercury must be labeled as containing mercury.

**The Contractor shall report if it intends to provide products containing mercury to the Program Manager (PM) no later than 48 hours after a purchase order is issued.**

### 9.5 Brominated Flame Retardants

The State prefers to purchase products that do not contain brominated flame-retardants (BFRs) whenever possible.

**The Contractor must disclose to the Program Manager (PM) whether their products contain BFRs no later than 48 hours after a purchase order is issued.**

## 10. Invoice Credits

Late or improper completion of the Contract Activities will cause loss and damage to the State and Extending Purchasing Participants and it would be impracticable and extremely difficult to fix the actual damage sustained



by the State and/or Extending Purchasing Participants. Therefore, if there is late or improper completion of the Contract Activities, the State, and the Extended Purchasing Participants are entitled to collect invoice credits for 2/10<sup>th</sup> of 1% of the Purchase Order for each day the Contractor fails to remedy the late or improper completion of the Work.

**11. Liquidated Damages**

Unauthorized Removal of Key Personnel will interfere with the timely and proper completion of the Contract, to the loss and damage of the State, and it would be impracticable and extremely difficult to fix the actual damage sustained by the State. Therefore, the State may assess liquidated damages against Contractor as specified below.

The State is entitled to collect \$500 per individual per day for the removal of any Key Personnel without prior approval of the State.

The State is entitled to collect \$500 per individual per day for an unapproved or untrained key personnel replacement.



## **SCHEDULE B SPECIFICATION INFORMATION**

### **Cab & Chassis**



**THESE SPECIFICATIONS ARE APPLICABLE TO MODEL  
YEARS 2016 - 2023 UNLESS OTHERWISE SPECIFIED.**

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<b>3905-0008H-T50D</b>	HYBRID VEHICLES: HEAVY DUTY TRUCK, CAB AND CHASSIS, DIESEL (G.V.W.R. 23,500 lbs., min.)
<b>3905-0012-CBPEA</b>	HYBRID VEHICLES: Stripped Chassis, Parallel Hybrid Electric Drive, 158" wheelbase, 14,000 lbs. min GVWR
<b>3905-0012-CBPEB</b>	HYBRID VEHICLES: Stripped Chassis, Parallel Hybrid Electric Drive, 176" Wheelbase, 14,000 lbs. min GVWR
<b>3958--0096D</b>	MEDIUM DUTY TRUCK 4X4: CAB AND CHASSIS, (G.V.W.R. 25,950 lbs., min.), DIESEL, (Body & Payload-Approx. 13,000 lbs.)
<b>3958-0110</b>	HEAVY DUTY TRUCKS: CAB AND CHASSIS, (G.V.W.R. 14,500 LBS., min.)
<b>3958-0111D</b>	HEAVY DUTY TRUCKS: CAB AND CHASSIS, DUAL REAR WHEELS, DIESEL, (G.V.W.R. 14,500 LBS., min.)
<b>3958-0112</b>	HEAVY DUTY TRUCKS: CAB AND CHASSIS DUAL REAR WHEELS, (G.V.W.R. 14,500 LBS., min.)(4x4)
<b>3958-0113D</b>	HEAVY DUTY TRUCKS: CAB AND CHASSIS DUAL REAR WHEELS, DIESEL, (G.V.W.R. 14,500 LBS., min.)(4x4)
<b>3958-0114</b>	HEAVY DUTY TRUCKS: CAB AND CHASSIS, (G.V.W.R. 15,000 LBS., min.)
<b>3958-0115D</b>	HEAVY DUTY TRUCKS: CAB AND CHASSIS DUAL REAR WHEELS, DIESEL, (G.V.W.R. 15,000 LBS., min.)
<b>3958-0116</b>	HEAVY DUTY TRUCKS: CAB AND CHASSIS, (G.V.W.R. 15,000 LBS., min.)(4x4)
<b>3958-0117D</b>	HEAVY DUTY TRUCKS: CAB AND CHASSIS, DIESEL, (G.V.W.R. 15,000 LBS., min.)(4x4)
<b>3958-0134</b>	HEAVY DUTY TRUCKS: CAB AND CHASSIS, (G.V.W.R. 21,000 lbs., min.), LOW PROFILE
<b>3958-0135D</b>	HEAVY DUTY TRUCKS: CAB AND CHASSIS, DIESEL, (G.V.W.R. 23,500 lbs., min.),
<b>3958-0136D</b>	HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 21,000 lbs., min.), DIESEL
<b>3958-0160D</b>	HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 33,000 lbs., min.), DIESEL
<b>3958-0164D</b>	HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 27,000 LBS., MIN.), DIESEL
<b>3958--0170D</b>	HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 44,000 lbs., min.), 305HP DIESEL ENGINE, SINGLE AXLE, DIESEL
<b>3958-0172D</b>	HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 64,000 lbs., min.) TANDEM AXLE, 370HP DIESEL ENGINE, WALKING BEAM AND SPRING SUSPENSION
<b>3958-0173D</b>	HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 52,000 lbs., min.), TANDEM-Diesel Engine, (Not Intended to be equipped with an Underbody Snow Plow)
<b>3958-0178D</b>	HEAVY DUTY TRUCKS: TRACTOR: (G.C.W.R. 70,000 lbs., min.), TANDEM AXLE, DIESEL



**STATE OF MICHIGAN  
DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET  
PURCHASING OPERATIONS**

**GENERAL SPECIFICATIONS**

[Truck Equipment](#)..... p. 5

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[Receiving Procedure](#)..... p. 9

Patrol vehicle equipment options are contained within each specification contained in this document.

All vehicles must be new and of the manufacturer's current models in production at the time of delivery. All standard or optional equipment to be included shall be as advertised by the manufacturer (OEM) and factory installed and shall not consist of substitute or after market equipment. Special Edition Pricing Packages which may limit available options are not acceptable. Optional equipment not available from the factory may be dealer installed.

**The dealer's vehicle order confirmation sheet, which includes all of the standard options provided with the vehicle in accordance with the State of Michigan Specification, shall be provided at each of these steps in the process:**

- With dealers annual bid submittal to the State of Michigan**
- With original quote from the dealer to the Ordering Entity**
- Upon delivery of the vehicle from the dealer to the Ordering Entity**
- The Ordering Entity shall use as a check list when accepting the vehicle to verify all ordered options are included on the vehicle**

The dealer shall indicate on the TOP of the order confirmation sheet:

- The specification number(s) that applies

**Diesel Vehicles are indicated with a “D” at the end of the specification number.**  
**Alternative Fuel vehicles are indicated with a “A” at the end of the specification number.**

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DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET  
PURCHASING OPERATIONS**

**TRUCK EQUIPMENT (Page B)**

The items listed below are to be supplied on all trucks, even though they may be optional with the manufacturer. They have also been included in the individual specifications and are to be furnished on all vehicles:

See individual specifications for MDOT specific options.

12 Volt auxiliary outlet

Air Conditioning - All trucks.

Color-Manufacturers Standard to be selected.

Coolant System-Maximum Size Available, including the Heaviest Duty Radiator

Fuel Tanks, Diesel, with sending unit and magnetic drain plug, on all trucks over 21,000 G.V.W.R., painted Black and labeled "Diesel Fuel Only".

Hub caps on all pickups and vans up to and including 10,000 G.V.W.R. If not available from dealer cap nuts shall be furnished.

Keys-(2) sets with code numbers; shall be with vehicle at time of delivery. (Three sets for MDOT)

Mirrors All trucks are to be equipped with R.H. and L.H. outside rearview mirrors to comply with Michigan laws; all trucks up to and including 15,000 G.V.W.R. shall be equipped with inside rearview mirror. In all cases, outside R.H. & L.H. rear view mirrors shall be 34 sq.in. minimum, swing away type and provide full vision past all body installations. Mirrors shall be of stainless steel or high impact plastic construction unless denoted otherwise in individual truck specifications. All West Coast Type or Below Eye Level Camper Style Mirrors shall have stainless steel or high impact plastic heads, brackets, and hardware.

Paint codes-factory paint codes shall be furnished with all vehicles; for all after market painting both the brand and paint code shall be furnished.

Pre-delivery inspection and servicing.

Radio - AM/FM Manufacturers Standard, Factory Installed

Seats-Split Bench type, unless otherwise specified

Shock absorbers-(Heaviest Duty Available), front all trucks. Rear, up to and including 15,000 G.V.W.R.

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Spare tire, or Rim, not to be furnished unless specified. If specified, tires to be of same mfg., tread design to be same as front tires.

Speed Control, Factory Installed

Steering-Power, Tilt Wheel

Transmission-Automatic.

Jack-Furnish on trucks up to and including 12,000 G.V.W.R.

All items removed for installation of optional equipment shall be returned to the State of Michigan or the Ordering Entity.

TO BE EQUIPPED IN COMPLIANCE WITH ALL APPLICABLE FEDERAL MOTOR VEHICLE SAFETY STANDARDS AND REGULATIONS. ALL VEHICLES MUST BE EQUIPPED TO COMPLY WITH ALL REQUIREMENTS OF THE MICHIGAN MOTOR VEHICLE CODE.

**Delete: On GM vehicles, OnStar and XM radio are deleted.**



**STATE OF MICHIGAN  
DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET  
PURCHASING OPERATIONS**

**PRE-DELIVERY SERVICE**

The term "Pre-Delivery Service and Inspection" as used in State of Michigan Specifications includes the following:

1. General appearance of body both interior and exterior for completeness and quality of workmanship.
2. Lubrication and fluid levels and correcting any leaks:
  - a. Radiator
  - b. Windshield Washer
  - c. Battery
  - d. Power steering pump
  - e. Brake master cylinder
  - f. Engine oil
  - g. Transmission fluid level.
3. Mechanical operation of vehicle:
  - a. Steering gear and linkage
  - b. Suspension assembly, front and rear
  - c. Proper tire pressure to normal rated road requirements
  - d. Hood latch
  - e. Head lights, aim and adjust
  - f. Front wheel toe in and torque wheel nuts
  - g. Seat and shoulder belts operative
  - h. All locks and latches to be operative
  - i. Windshield wiper and washer to be operative
  - j. Proper adjustment to all drive belts
4. A check of all electrical operations to include: headlights, side marker lights, temperature, alternator, oil pressure lights, parking lights, stop and tail lights, directional signals, emergency flasher and parking brake lights.
5. **Miscellaneous items to be furnished:**
  - a. Manufacturers Window Sticker shall not be removed from vehicle.
  - b. Odometer Certification, vehicle window sticker, or line setting ticket, and Vehicle Curb Weight at time of delivery.
  - c. Manufacturers or Dealers Pre-Delivery Check Sheet.
  - d. Vehicle shall have a minimum of one fourth ( $\frac{1}{4}$ ) tank of Fuel when delivered.
  - e. Warranty Plate and Operators Manual(s) shall be delivered with vehicle at no cost to the State of Michigan.
  - f. Completed RD108 application for title form.
  - g. Invoice for each vehicle at the time of delivery.
  - h. Vehicle Order Confirmation Sheet.

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6. Deliveries shall be between the hours of 8 AM and 3 PM. No Weekend or Holiday Deliveries will be accepted. Forty-eight (48) hour notice required prior to delivery.

It is intended that vehicles delivered in accordance with the Michigan specifications will be complete, including mechanical details, general workmanship and appearance, and shall be delivered complete with all warranty service books and identification plate.

**Failure to adhere to specifications may be reason to delay payment.**

**STATE OF MICHIGAN  
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**RECEIVING PROCEDURE**

It is important that all State agencies and departments carefully inspect all vehicles prior to signing the Freight Bill. If any vehicle is received in a damaged condition of component parts or accessories are missing, a notation of the discrepancy(ies) is to be made on the Freight Bill and then be signed by the driver who delivered the vehicles. A Complaint to Vendor Form should be initiated and sent to the Contractor at once noting discrepancies. Failure to note obvious deficiencies at time of delivery on the Freight Bill may place the burden of repair on the Ordering Entity

It is recommended that the following items be checked by the Ordering Entity prior to signing the Freight Bill:

1. Visually inspect exterior of vehicle for paint, body, tire, tail light, antenna, outside rear view mirror and molding damage.
2. Visually inspect under hood for the following items:
  - a. Air cleaner
  - b. Battery and caps
  - c. Radiator cap
  - d. Windshield washer container.
3. Check for cracked or broken windows.
4. Check trunk compartment for the following:
  - a. Spare tire and wheel
  - b. Jack
  - c. Wheel wrench
  - d. Four hub caps
  - e. Trunk mat.
5. Check interior of vehicle for the following items:
  - a. Owner's manual and warranty material
  - b. Cigarette lighter
  - c. Two sets of keys (Three sets for MDOT)
  - d. Make sure all seat belts are installed
  - e. Sun visors
  - f. Upholstery damage or excessive soil.

It is the responsibility of the Ordering Entity to check for any other items that could possibly have been missing in accordance with the purchase order, specification data and the dealer's vehicle order confirmation sheet.



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**SPECIFICATIONS FOR SUBCLASSES**

**3905-0008H-T50D - HYBRID VEHICLES: HEAVY DUTY TRUCK, CAB AND  
CHASSIS, DIESEL (G.V.W.R. 23,500 lbs., min.)**

MODEL - CURRENT NEW

**PRELIMINARY REQUIREMENTS:**

Transmission: 5/6-speed

Allison w/ PTO Auto. 2000/2400/2200RDS

Ratio for minimum loaded road speed of approx. 68 mph.

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed in the general specifications for Truck Equipment are to be supplied on all vehicles, even though they may be optional with the manufacturer ([refer to page B](#)).

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as “STANDARD FACTORY EQUIPPED” and are to be included on this vehicle.

- Alternator-120 amp. min., Reference 22SI or approved equal
- Battery Carrier: HEV, Power Electronics Carrier (Eaton) w/Hybrid, mounted under cab. Includes Cooling System, LSM behind PEC.
- Transmission/Drive Unit: Eaton-Fuller Hybrid EH-8E406A-CD 6-speed Automated Manual Transmission w/Electronic Shift Controls, Without ePTO capability. Eaton-Fuller AutoClutch DM1401, 700ft.lb torque capacity

**ADDITIONAL MDOT OPTIONS:**

These options are in addition to the options listed above as “STANDARD FACTORY EQUIPPED” and are to be included on this vehicle.

- Alternator: 120A min capacity, pad mounted
- Transmission/Drive Unit: Eaton-Fuller Hybrid EH-8E406A-UP 6-speed Automated

**STATE OF MICHIGAN**  
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**PURCHASING OPERATIONS**

Manual Transmission w/Electronic Shift Controls, With ePTO capability. Eaton-Fuller AutoClutch DM1401, 700ft.lb torque capacity

- Battery Carrier: HEV, Power Electronics Carrier (Eaton) w/Hybrid, mounted under cab. Includes Cooling System, LSM behind PEC.
- Body Integration, Remote Power Module: Mounted under cab or on battery box; up to six-(6) outputs and inputs, 20A per channel- includes one-(1) switch pack w/latched switches.
- All other specs per MDOT requirements.

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PURCHASING OPERATIONS**

**3905-0012-CBPEA    HYBRID VEHICLES: Stripped Chassis, Parallel Hybrid Electric Drive, 158" wheelbase, 14,000 lbs min GVWR**

MODEL - CURRENT NEW

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed in the general specifications for Truck Equipment are to be supplied on all vehicles, even though they may be optional with the manufacturer ([refer to page B](#)).

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as "STANDARD FACTORY EQUIPPED" and are to be included on this vehicle.

- 3 Phase AC Traction Motor (Electric) and 5.4L FFV V-8 Engine (Gas/E85)
- 158" Wheelbase
- Lithium-Ion Battery

Fuel capacity-largest available from mfg.

Spare tire and wheel. Full size. Mfg. Stnd. mounting.

Wrench-wheel.

PLEASE NOTE: Speed Control is not available for this option.



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PURCHASING OPERATIONS**

**3905-0012-CBPEB    HYBRID VEHICLES: Stripped Chassis, Parallel Hybrid Electric  
Drive, 176" Wheelbase, 14,000 lbs min GVWR**

MODEL - CURRENT NEW

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed in the general specifications for Truck Equipment are to be supplied on all vehicles, even though they may be optional with the manufacturer ([refer to page B](#)).

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as "STANDARD FACTORY EQUIPPED" and are to be included on this vehicle.

- 3 Phase AC Traction Motor (Electric) and 5.4L FFV V-8 Engine (Gas/E85)
- 176" Wheelbase
- Lithium-Ion Battery

Fuel capacity-largest available from mfg.

Spare tire and wheel. Full size. Mfg. Stnd. mounting.

Wrench-wheel.

PLEASE NOTE: Speed Control is not available for this option.

**STATE OF MICHIGAN  
DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET  
PURCHASING OPERATIONS**

**HEAVY DUTY TRUCKS**

**3958--0096D HEAVY DUTY TRUCK 4X4: CAB AND CHASSIS, (G.V.W.R. 25,950 lbs., min.), DIESEL, (Body & Payload-Approx. 13,000 lbs.)**

MODEL - CURRENT NEW

**PRELIMINARY REQUIREMENTS:**

Gross H.P., min. **225**

Clutch: Heavy duty

Transmission: 5-speed syncro. with 2-speed transfer case P.T.O. opening both sides

Front Wheel Lock-out Hubs.

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed in the general specifications for Truck Equipment are to be supplied on all vehicles, even though they may be optional with the manufacturer ([refer to page B](#)).

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as "STANDARD FACTORY EQUIPPED" and are to be included on this vehicle.

Alternator-100 amp. min., Reference 22SI or approved equal

Battery's-12 Volt; 1050 CCA, minimum.

Brakes-Full Air. Current FMVSS. Dust plates. Air dryer with spin on filter,

Automatic Drain Valves. Automatic slack adjusters, Anti-Lock.

Cab assist handles-right and left.

Fuel/Water Separator with Heater.

Fuel tanks-dual step, 50 gallon capacity each.

Heater-Engine block, 110/120 VAC

Hood, Tilt Type.

Mirrors-Rear View, Outside. L.H. and R.H. West Coast type. 6" x 16", with stainless steel or powder coated steel heads, brackets, and hardware.

Running board-To have running boards on each side, or step tanks.

Spare wheel.

Starting Aid-Cold weather, ether type or glow plug.

Steering-Power.

Tachometer.

Throttle, Electronic, High Idle Engine RPM Control.

Wheels, Hub Pilot Disc Type

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PURCHASING OPERATIONS**

**3958-0110 HEAVY DUTY TRUCKS: CAB AND CHASSIS, (G.V.W.R. 14,500 LBS., min.)**

MODEL - CURRENT NEW

**PRELIMINARY REQUIREMENTS:**

Transmission: Automatic: with maximum capacity transmission oil cooler, Factory installed.

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed in the general specifications for Truck Equipment are to be supplied on all vehicles, even though they may be optional with the manufacturer ([refer to page B](#)).

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as “STANDARD FACTORY EQUIPPED” and are to be included on this vehicle.

Battery-12 Volt, 600 CCA, minimum.

Mirrors-Rear View, Inside. Outside R.H. and L.H., below eye level, extended reach, swing away type, 51 sq. in., minimum.

Wrench-wheel.

**ADDITIONAL MDOT OPTIONS:**

These options are in addition to the options listed above as “STANDARD FACTORY EQUIPPED” and are to be included on this vehicle.

Axle Rear Limited slip

Keys – (1) additional set (total of 3 sets) with code numbers; shall be with the vehicle at the time of delivery.

Spare tire and wheel.

Switches, upfitter for auxillary

Throttle, Electronic, High Idle Engine RPM Control.

Towing package: Heaviest duty available from manufacturer

Trailer brake controller, factory installed

Trailer Hitch, Class III Receiver Type



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PURCHASING OPERATIONS**

**3958-0111D HEAVY DUTY TRUCKS: CAB AND CHASSIS, DUAL REAR WHEELS,  
DIESEL, (G.V.W.R. 14,500 LBS., min.)**

MODEL - CURRENT NEW

**PRELIMINARY REQUIREMENTS:**

Transmission: Automatic: with maximum capacity transmission oil cooler, Factory installed.

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed in the general specifications for Truck Equipment are to be supplied on all vehicles, even though they may be optional with the manufacturer ([refer to page B](#)).

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as “STANDARD FACTORY EQUIPPED” and are to be included on this vehicle.

Wrench-wheel.

**ADDITIONAL MDOT OPTIONS:**

These options are in addition to the options listed above as “STANDARD FACTORY EQUIPPED” and are to be included on this vehicle.

Axle Rear Limited slip

Keys – (1) additional set (total of 3 sets) with code numbers; shall be with the vehicle at the time of delivery.

Mirrors-Rear View, Inside. Outside R.H. and L.H., below eye level, extended reach, swing away type, 51 sq. in., minimum.

Switches, upfitter for auxillary

Throttle, Electronic, High Idle Engine RPM Control.

Towing package: Heaviest duty available from manufacturer

Trailer brake controller, factory installed

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**3958-0112 HEAVY DUTY TRUCKS: CAB AND CHASSIS DUAL REAR WHEELS,  
(G.V.W.R. 14,500 LBS., min.) (4 x 4)**

MODEL - CURRENT NEW

**PRELIMINARY REQUIREMENTS:**

Transmission: Automatic: with maximum capacity transmission oil cooler, Factory installed.

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed in the general specifications for Truck Equipment are to be supplied on all vehicles, even though they may be optional with the manufacturer ([refer to page B](#)).

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as “STANDARD FACTORY EQUIPPED” and are to be included on this vehicle.

Wrench-wheel.

**ADDITIONAL MDOT OPTIONS:**

These options are in addition to the options listed above as “STANDARD FACTORY EQUIPPED” and are to be included on this vehicle.

Axle Rear Limited slip

Hubs autolocking on front

Keys – (1) additional set (total of 3 sets) with code numbers; shall be with the vehicle at the time of delivery.

Mirrors-Rear View, Inside. Outside R.H. and L.H., below eye level, extended reach, swing away type, 51 sq. in., minimum.

Spare tire and wheel.

Switches, upfitter for auxillary

Throttle, Electronic, High Idle Engine RPM Control.

Towing package: Heaviest duty available from manufacturer

Trailer brake controller, factory installed

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**3958-0113D HEAVY DUTY TRUCKS: CAB AND CHASSIS DUAL REAR WHEELS,  
DIESEL, (G.V.W.R. 14,500 LBS., min.) (4 x 4)**

MODEL - CURRENT NEW

**PRELIMINARY REQUIREMENTS:**

Transmission: Automatic: with maximum capacity transmission oil cooler, Factory installed.

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed below are to be supplied on all trucks, even though they may be optional with the manufacturer. Therefore, these specifications are to be furnished on all vehicles:

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as “STANDARD FACTORY EQUIPPED” and are to be included on this vehicle.

Wrench-wheel.

**ADDITIONAL MDOT OPTIONS:**

These options are in addition to the options listed above as “STANDARD FACTORY EQUIPPED” and are to be included on this vehicle.

Axle Rear Limited slip

Hubs autolocking on front

Keys – (1) additional set (total of 3 sets) with code numbers; shall be with the vehicle at the time of delivery.

Mirrors-Rear View, Inside. Outside R.H. and L.H., below eye level, extended reach, swing away type, 51 sq. in., minimum

Spare tire and wheel.

Switches, upfitter for auxillary

Throttle, Electronic, High Idle Engine RPM Control.

Towing package: Heaviest duty available from manufacturer

Trailer brake controller, factory installed

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**3958-0114 HEAVY DUTY TRUCKS: CAB AND CHASSIS, (G.V.W.R. 15,000 LBS., min.)**

MODEL - CURRENT NEW

**PRELIMINARY REQUIREMENTS:**

Transmission: Automatic: with maximum capacity transmission oil cooler. Factory installed.

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed in the general specifications for Truck Equipment are to be supplied on all vehicles, even though they may be optional with the manufacturer ([refer to page B](#)).

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as “STANDARD FACTORY EQUIPPED” and are to be included on this vehicle.

Wrench-wheel.

**ADDITIONAL MDOT OPTIONS:**

These options are in addition to the options listed above as “STANDARD FACTORY EQUIPPED” and are to be included on this vehicle.

Axle Rear Limited slip

Hubs autolocking on front

Keys – (1) additional set (total of 3 sets) with code numbers; shall be with the vehicle at the time of delivery.

Mirrors-Rear View, Inside. Outside R.H. and L.H., below eye level, extended reach, swing away type, 51 sq. in., minimum.

Spare tire and wheel.

Switches, upfitter for auxillary

Throttle, Electronic, High Idle Engine RPM Control.

Towing package: Heaviest duty available from manufacturer

Trailer brake controller, factory installed



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**3958-0115D HEAVY DUTY TRUCKS: CAB AND CHASSIS DUAL REAR WHEELS,  
DIESEL, (G.V.W.R. 15,000 LBS., min.)**

MODEL - CURRENT NEW

**PRELIMINARY REQUIREMENTS:**

Transmission: Automatic: with maximum capacity transmission oil cooler. Factory installed.

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed in the general specifications for Truck Equipment are to be supplied on all vehicles, even though they may be optional with the manufacturer ([refer to page B](#)).

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as “STANDARD FACTORY EQUIPPED” and are to be included on this vehicle.

Wrench-wheel.

**ADDITIONAL MDOT OPTIONS:**

These options are in addition to the options listed above as “STANDARD FACTORY EQUIPPED” and are to be included on this vehicle.

Axle Rear Limited slip

Hubs autolocking on front

Keys – (1) additional set (total of 3 sets) with code numbers; shall be with the vehicle at the time of delivery.

Mirrors-Rear View, Inside. Outside R.H. and L.H., below eye level, extended reach, swing away type, 51 sq. in., minimum.

Spare tire and wheel.

Switches, upfitter for auxillary

Throttle, Electronic, High Idle Engine RPM Control.

Tires, Truck, Tubeless, Radial, to meet G.V.W.R. Rear duals, mud and snow (Goodyear preferred)

Towing package: Heaviest duty available from manufacturer

Trailer brake controller, factory installed

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**3958-0116 HEAVY DUTY TRUCKS: CAB AND CHASSIS, (G.V.W.R. 15,000 LBS., min.) (4 x 4)**

MODEL - CURRENT NEW

**PRELIMINARY REQUIREMENTS:**

Transmission: Automatic: with maximum capacity transmission oil cooler with P.T.O. Provision. Factory installed.

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed in the general specifications for Truck Equipment are to be supplied on all vehicles, even though they may be optional with the manufacturer ([refer to page B](#)).

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as “STANDARD FACTORY EQUIPPED” and are to be included on this vehicle.

Wrench-wheel.

**ADDITIONAL MDOT OPTIONS:**

These options are in addition to the options listed above as “STANDARD FACTORY EQUIPPED” and are to be included on this vehicle.

Axle Rear Limited slip

Hubs autolocking on front

Keys – (1) additional set (total of 3 sets) with code numbers; shall be with the vehicle at the time of delivery.

Mirrors-Rear View, Inside. Outside R.H. and L.H., below eye level, extended reach, swing away type, 51 sq. in., minimum.

Spare tire and wheel.

Switches, upfitter for auxillary

Throttle, Electronic, High Idle Engine RPM Control.

Tires, Truck, Tubeless, Radial, to meet G.V.W.R. Rear duals, mud and snow (Goodyear preferred)

Towing package: Heaviest duty available from manufacturer

Trailer brake controller, factory installed

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**3958-0117D HEAVY DUTY TRUCKS: CAB AND CHASSIS, DIESEL, (G.V.W.R. 15,000 LBS., min.) (4 x 4)**

MODEL - CURRENT NEW

**PRELIMINARY REQUIREMENTS:**

Transmission: Automatic: with maximum capacity transmission oil cooler, Factory installed.

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed in the general specifications for Truck Equipment are to be supplied on all vehicles, even though they may be optional with the manufacturer ([refer to page B](#)).

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as “STANDARD FACTORY EQUIPPED” and are to be included on this vehicle.

Wrench-wheel.

**ADDITIONAL MDOT OPTIONS:**

These options are in addition to the options listed above as “STANDARD FACTORY EQUIPPED” and are to be included on this vehicle.

Axle rear limited slip

Hub autolocking on front

Keys – (1) additional set (total of 3 sets) with code numbers; shall be with the vehicle at the time of delivery.

- Mirrors-Rear View, Inside. Outside R.H. and L.H., below eye level, extended reach, swing away type, 51 sq. in., minimum.

Spare tire and wheel.

Switches, upfitter for auxillary

Throttle, Electronic, High Idle Engine RPM Control.

Tires, Truck, Tubeless, Radial, to meet G.V.W.R. Rear duals, mud and snow (Goodyear preferred)

Towing package: Heaviest duty available from manufacturer

Trailer brake controller, factory installed

Transmission: P.T.O. Provision

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**3958-0134 HEAVY DUTY TRUCKS: CAB AND CHASSIS, (G.V.W.R. 21,000 lbs., min.), LOW PROFILE**

MODEL - CURRENT NEW

**PRELIMINARY REQUIREMENTS:**

Transmission: Automatic 5 or 6 speed w/ PTO  
Allison Auto. 2000/2400 Series

Ratio for minimum loaded road speed of approx. 68 mph

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed in the general specifications for Truck Equipment are to be supplied on all vehicles, even though they may be optional with the manufacturer ([refer to page B](#)).

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as "STANDARD FACTORY EQUIPPED" and are to be included on this vehicle.

Air Conditioning-Factory Installed

Alternator-100 amp. min., Reference 22SI or approved equal

Battery(s)-12 Volt, 1,100 CCA minimum.

Cab assist handles-right and left.

Fuel Tank-50 gallon each, minimum, L.H. and R.H. Step Tanks.

Hood, Tilt.

Mirrors-Rear View, Outside. L.H. and R.H. West Coast type, 6" x 16", installed, with stainless steel or powder coated steel or composite heads, brackets, and hardware.

Shock Absorbers, Front and Rear

Switches (6), outfitter, with remote power module (MDOT only)

Throttle, Electronic, High Idle Engine RPM Control.

Wheels, Hub Pilot Disc Type



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**3958-0135 HEAVY DUTY TRUCKS: CAB AND CHASSIS DIESEL, (G.V.W.R. 21,000 lbs., min.)**

MODEL - CURRENT NEW

**PRELIMINARY REQUIREMENTS:**

Transmission: 5/6-speed w/ PTO

Allison Auto. 2000/2200RDS Series

Ratio for minimum loaded road speed of approx. 68 mph

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed in the general specifications for Truck Equipment are to be supplied on all vehicles, even though they may be optional with the manufacturer ([refer to page B](#)).

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as “STANDARD FACTORY EQUIPPED” and are to be included on this vehicle.

Air Conditioning-Factory Installed

Alternator-100 amp. min., Reference 22SI or approved equal

Battery(s)-12 Volt, 1,100 CCA minimum.

Cab assist handles-right and left.

Fuel Tank-45 gallon each, minimum, L.H. and R.H. Step Tanks.

Hood, Tilt.

Mirrors-Rear View, Outside. L.H. and R.H. West Coast type, 6" x 16".

Shock Absorbers, Front and Rear

Switches (6), outfitter, with remote power module (MDOT only)

Throttle, Electronic, High Idle Engine RPM Control.

Wheels, Hub Pilot Disc Type

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**3958-0136D HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 23,500 lbs., min.), DIESEL**

MODEL - CURRENT NEW

**PRELIMINARY REQUIREMENTS:**

Transmission: 5/6-speed

Allison w/ PTO Auto. 2000/2400/2200RDS

Ratio for minimum loaded road speed of approx. 68 mph.

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed in the general specifications for Truck Equipment are to be supplied on all vehicles, even though they may be optional with the manufacturer ([refer to page B](#)).

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as "STANDARD FACTORY EQUIPPED" and are to be included on this vehicle.

Alternator-100 amp. min., Reference 22SI or approved equal

Battery(s)-12 Volt; 1,100 CCA minimum.

Brakes-Full air. Current FMVSS. Dust plates. Air dryer with spin on filter, Automatic Drain Valves. Automatic slack adjusters.

Cab assist handles-right and left.

Fuel/Water Separator with Heater.

Fuel Tanks-45 gallon each L.H. and R.H. Step tanks.

Heater-engine block, 110/120 VAC

Hood, Tilt.

Mirrors, Rear View-Outside. L.H. & R.H. West Coast Type. 6" x 16", installed, with stainless steel or powder coated steel heads, brackets, and hardware.

Shock absorbers-Front and Rear, double acting, telescopic.

Starting Aid-Cold weather, ether type or glow plug.

Switches (6), outfitter, with remote power module (MDOT only)

Throttle, Electronic, High Idle Engine RPM Control.

Wheels-Hub Piloted disc.

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**3958-0160D HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 33,000 lbs., min.), SINGLE AXLE, 300 H.P. DIESEL ENGINE**

MODEL - CURRENT NEW

**PRELIMINARY REQUIREMENTS:**

Engine: Diesel  
Gross H.P.-300 min.

Transmission:  
6-Speed, Allison 3000RDS or 3500RDS

Ratios for minimum loaded road speed of approx. 68 mph.

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed in the general specifications for Truck Equipment are to be supplied on all vehicles, even though they may be optional with the manufacturer ([refer to page B](#)).

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as "STANDARD FACTORY EQUIPPED" and are to be included on this vehicle.

Alternator-100 amp., minimum, Reference 22SI or approved equal.

Battery(s)-12 Volt; 1,250 CCA minimum.

Brakes-Full air. Current FMVSS. Dust plates. Air dryer with spin on filter, Automatic Drain Valves. Automatic slack adjusters.

Cab assist handles-right and left.

Engine Safety Devices-Warning light and audible alarm system activated when engine oil pressure falls below safe operating limit or when water temperature exceeds safe operating limit. Automatic engine shut-down with low oil pressure or high coolant temperature.

Frame-Resisting bending moment 1,275,200 in.-lbs., min., Single Rail Frame

Fuel Tanks-50 gallon each L.H. & R.H., center step tanks.

Fuel/Water Separator with Heater.

Heater-Engine block, 110/120 VAC

Hood, Tilt type, with Butterfly Opening.

Horns-Dual, air, Single Base, with Covers.

Mirrors, Rear View, Outside. L.H. & R.H. West Coast Type, 6" x 16", installed, with stainless

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steel, powder coated steel, or composite heads, brackets, and hardware.

Shock absorbers, Heavy Duty, Front and Rear.

Starting Aid-Cold weather, ether type or glow plug.

Switches (6), outfitter, with remote power module (MDOT only)

Throttle, Electronic, High Idle Engine RPM Control.

Wheels-Hub Piloted disc.



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**3958-0164D HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 27,000 LBS.,  
MIN.), DIESEL**

MODEL - CURRENT NEW

**PRELIMINARY REQUIREMENTS:**

Transmission: 5/6 speed, Allison Auto, 2000/2350HS series

Axle: road speed of approx. 68 mph.

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed in the general specifications for Truck Equipment are to be supplied on all vehicles, even though they may be optional with the manufacturer ([refer to page B](#)).

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as "STANDARD FACTORY EQUIPPED" and are to be included on this vehicle.

Alternator-100 amp., minimum, Reference 22SI or approved equal.

Battery(s)-12 Volts; 1500 CCA, Min.

Brakes-Full air. Current FMVSS. Dust plates. Air dryer with spin on filter, Automatic Drain Valves. Automatic slack adjusters.

Cab assist handles-right and left.

Exhaust (PIPE ONLY) - Vertical installation.

Fuel Tanks-L.H. and R.H. 45 (min.) gallon tanks, frame mounted.

Fuel/Water Separator with Heater.

Heater-Engine block, 110/120 VAC

Hood, Tilt.

Horns-Electric, dual.

Mirrors-Rear View, Outside. L.H. and R.H. West Coast type. 6' x 16"; installed, with stainless steel or powder coated steel heads, brackets, and hardware.

Oil Seals (wet)-front axle.

Shock absorbers, Heavy Duty, Front and Rear.

Starting Aid-Cold weather, ether type or glow plug.

Switches (6), outfitter, with remote power module (MDOT)

Throttle, Electronic, High Idle Engine RPM Control.

Wheels-Hub Piloted disc.

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Mich. Spec. # 3958-0170D

**3958--0170D HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 44,000 lbs., min.), 350 H.P. DIESEL ENGINE, SINGLE AXLE, DIESEL**

MODEL - CURRENT NEW

**PRELIMINARY REQUIREMENTS:**

Wheelbase Approx. 186 (inches)

C.A. 112 to 114 (inches)

Axle to End of Frame 75 (inches) Engine:

Diesel

Gross H.P.-350 min.

Torque, Gross 1150 minimum

Transmission

Allison -4500RDS, wide ratio,  
6 speed, Transmission shifter to be dash  
mounted push button.

Single speed with driver controlled differential  
lock

Ratio for minimum loaded road  
speed of approx. 68 mph.

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed in the general specifications for Truck Equipment are to be supplied on all vehicles, even though they may be optional with the manufacturer ([refer to page B](#)).

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as "STANDARD FACTORY EQUIPPED" and are to be included on this vehicle.

Air Conditioning: Factory Installed

Air Cleaner with integral snow valve and in-cab control.

Alternator-135 amp., minimum, Reference 34SI or approved equal. Air filter restriction gauge, dash mounted, Filter Minder #3781-325.

Air Horn

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Battery(s)-12 Volt, 2775 Minimum

Battery Box must be mounted 35" back of cab or under cab with a 24" ground clearance.

- Battery Cable: The negative battery cable shall be run from the batteries to the engine block. This shall be a full length cable and be 00 gauge.

Brakes-Sealed Air Brake Chambers, Full air. Effective lining area 625 square inch, minimum, cast brake shoes. Air compressor 18.7 cfm, min. Air reservoir 2,000 cubic inch, minimum.

Buzzer type low pressure continuous warning device. Air pressure gauge visible to driver.

Check valve or equivalent safety device between reservoir tank(s). Spring loaded diaphragm type rear wheel parking brake. Air dryer with spin on filter, mounted outside of frame rail.

Automatic Drain Valves. Automatic slack adjusters. Brake and electrical connections to end of frame, are to be semi-four wheel trailer connections with seven wire electrical cable, mounted on rear cross member at end of frame.

Bumper, Front; 11" x 3" x 1/4" channel, 90" straight center section and

3" beveled ends. Channel ends to be enclosed with 1/4" thick steel plate. Straight channel acceptable. Sharp corners shall be ground smooth. Bumper shall be bolted to main frame rails.

Cab assist handles-left and right, with full length external grab handles.

- Cab Interior: The cab inside length shall be at least 52.4 inches. A cab extension shall be provided as needed.

Cab mounted – Air Suspension Type.

Cab-to-end of frame-proper length to accommodate an 11 foot dump box mounted 18" back of cab. The 18" space is required for fuel tank mounting.

Cigar Lighter

Color-Orange acrylic enamel to match PPG Concept DCC605-10 or equal.

Bumper and frame to be painted black.

Crankshaft-Crankshaft shall be drilled and tapped for a Spicer driveline, opening for drive line to be under radiator.

- Dash, Ergonomic type, angled towards driver

- Defrost Duct: Shall be installed for passenger side window.

Directional Signals-Rear to be special combination, turn signal, stop and tail-lights; standard canceling type. To be furnished by truck

Contractor.

Dome Light in Cab.

Electrical Connections: Body Builders package, easily accessible to cab

Engine Air Breather-Provide a manual control (inside cab) for outside air intake.

Engine Block Heater, 120v/1500 watt with "Y" cord for fuel heater, cord to operate both

Engine Safety Devices-Warning light and audible alarm system activated when

engine oil pressure falls below safe operating limit or when water temperature exceeds safe operating limit. Automatic engine shut-down with low oil pressure or high coolant temperature.

Exhaust System: a) Shall meet "scraper mounting clearance".

Shall be vertical stack fitted with heat shield and mounted outside of frame rails to accommodate fuel tank mounting per Mich. Spec. 3958-0171: **(Tanks-Combination 80 gallon fuel tank**

**approximately 30" x 12" x 72" and 26 gallon oil reservoir approximately 30" x 12" x 17"**

**mounted 3" behind the cab and with 3" clearance to the dump body (space required**

**approximately 18 inches). Tanks are to be mounted with equal overhang from each frame**

**rail with 9" vertical clearance between bottom of tank and tops of frame rails.**

**The fuel tank is to have a sending unit and magnetic drain plug and is to be painted with Dupont Centari #4694A Holly Green.**

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**Oil Reservoir is to have an oil magnetic drain plug, lockable cap and combination level and heat gauge (Hydro-Craft #HSG-55 or equal) mounted approximately 6" from the top of reservoir to top hole in gauge. Suction line 2" shall enter tank from bottom and extend 1" upward. Return line 1¼" shall enter bottom of tank and extend 4" upward, suction and return line shall be approx. 5" apart C. to C. Reservoir is to be painted with Dupont Centari 76931-AM.**

**Fuel tank and oil reservoir are to be fabricated from #7 gauge steel, pressure tested for leaks and F.H.A. labeled.**

**Supporting frame for tanks shall be self draining and installed with metal/metal contact of framework. All straps and tanks shall be insulated against metal/metal contact.)**

Any exhaust modification necessary to meet ground clearance or any other specification requirement shall be done with manufacturer's standard parts available through regular dealer parts inventories.

Any necessary exhaust modifications shall be subject to approval by authorized state personnel. In addition to all requirements, the exhaust shall exit the right side of the engine, the muffler shall be horizontally mounted under the cab on the right side, the tail pipe shall be vertically mounted on the right side directly beside the cab. The vertical pipe shall be supported by a frame mounted bracket. The tail pipe shall not be attached to the cab.

Fan clutch-Viscous type, thermostatic control or clutch type.

Frame-Straight rail, full length channel, frame, cross section 10.866" x 3.622" x 0.433" minimum. Section Modulus at point of maximum stress (Single Rail 22.12m section modulus 2,654,400 RBM, 120,000 PSI) 15.9 minimum (120,000 psi yield strength steel). All bolts heads shall be flush with frame surface from a point 64" forward of the rear axle centerline to a point 96" forward of the rear axle centerline.

Frame-Straight through type with mfg. standard integral extension, shall extend 20" in front of grill.

- Frame Length: The frame shall extended 187 in. min. from the back of the cab. This shall provide full support of 11 Ft. Dump Body mounted 18 in. behind cab.

Fuel tank-Transport tank only.

Fuel/Water Separator with Heater.

Gauges-Voltmeter or Ammeter, oil pressure, coolant temperature, tachometer, and transmission oil temperature.

Headlights-halogen type, with dimmer included in turn signal switch.

Heater-Engine block, 110/120 VAC

Hood-Tilt type with stationary grill, with accessory hatches to check and fill fluids without tilting hood.

Hourmeter, mounted in dash or under hood. To operate only when engine is running, oil pressure activated.

Line Setting Ticket: Furnish Two (2) copies with each cab and chassis delivered.

Locks-Cab Door. Keyed the same as the ignition switch with (3) keys provided.

Mirrors-Rear View, Outside. L.H. & R.H. West Coast type, Electric Heated, Power Adjustable, Dual Axis, 6" x 16" style, with stainless steel, composite or powder coated steel heads, brackets, and hardware.



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Mich. Spec. # 3958-0170D

Mud Flaps-Plain, Anti Sail Type, including Anti-Sail Hardware. (No advertising either side.) mounted behind front wheels.

- Oil Cooler, water to oil type
- Power Terminal Stud: A 12 volt power terminal shall be installed on the firewall under the hood. This shall be unfused and connection to 12 volt power at the starter solenoid with 6 gauge cable. The stud shall be 5/16 in. Diameter minimum and threaded for a standard nut. The stud shall be insulated from the firewall and have a removable insulated cover. This shall be mounted in an easily accessible position. This will be used to power lights and other electrical items installed by M-DOT.

Radio, AM/FM

Radiator-Petcock type drain fitting.

Running boards shall be furnished in addition to any concealed steps.

Scraper mounting Clearance-In the area between the rear edge of the front fender and 40" rear of the cab, there shall be a minimum of 24" of ground clearance. Minimum ground clearance shall not be exceeded with a payload of 20,000 lbs. Drive-line center bearing carrier, running boards, battery box, air tanks and exhaust system shall meet the 24" minimum ground clearance requirement.

Seats-High Back Bucket, both Driver and Passenger - Both must be Air Suspension, with adjustable Lumbar Back Support and folding arm rests.

Starting Motor: Leece Neville, MS2

Steering-Power, with tilt column.

- Switches, Twelve additional factory installed dash mounted switches for electrical equipment installed by MDOT.

Throttle, Electronic, High Idle Engine RPM Control.

- Trailer light cord socket: shall be sealed in the rear with a seven (7) wire cord.
- Vehicle Warranty: The cab and chassis furnished with this bid will be placed in service approximately 270 days after delivery. M-DOT will advise the Contractor in writing of the actual in-service dates and as part of the purchase agreement, the Contractor is to assure that the manufacturer's records reflect these in service dates.

Wheels-Rim width 12.25 DC Front, 8.25" Rear, Hub Piloted Disc, Heavy Duty Disc Type with Hand Holds

- Wheel Hubs: Front wheel hubs to be oil lubricated, clear caps with fill plugs, filled with 75W90 Synthetic Oil.

Windows-Power, both switches to be easily accessible to driver.

- Wiring, Two way radio pre-wiring
- Wiring: Dash switched for hood mounted snow plow headlights. Wiring with connectors to be coiled under hood. Snow plow headlights to be supplied and installed by M-DOT.

Warranty: To begin with date vehicle is placed in service. This will be approximately 270 days after delivery to MDOT. MDOT will advise the contractor, in writing, of the actual in-service dates and the contractor must insure that the manufacturer's records accurately reflect the service dates.

The successful bidder shall provide a minimum of eight hours training at a central M-DOT location, to M-DOT mechanics on the servicing and repair of new technology componentry, particularly electronic related.

**STATE OF MICHIGAN**  
**DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET**  
**PURCHASING OPERATIONS**

Mich. Spec. # 3958-0170D

It shall be the Contractor's responsibility to hold a vehicle pilot inspection at his manufacturing facility and furnish adequate transportation and lodging (if required) for four (4) personnel from the State of Michigan, before production. This inspection shall be held within 120 days of award.

**STATE OF MICHIGAN  
DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET  
PURCHASING OPERATIONS**

**3958-0172D HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 64,000 lbs.,  
min.) TANDEM AXLE, 430 H.P. DIESEL ENGINE, WALKING BEAM  
AND SPRING SUSPENSION**

MODEL - CURRENT NEW

Wheelbase 211 (inches) min.

C.T. (inches) min,

Engine: Diesel

Gross H.P.-430 min.

No. of Cylinders: 6

Torque, Gross 1,450 min.

Transmission: 6-speed,  
Allison -4500RDS with dash mounted  
Control push button

Axle, Min. Cap.-lbs.

Front, 18,000 min.

Rear, 46,000 min.

Ratio for minimum loaded  
road speed of approx. 68 mph.  
With driver controlled differential lock

Springs, Min. Cap. at Ground

Front-lbs. each, 9,000 min.

Multileaf Type with Shock Absorbers

Rear-lbs., 46,000 min. Hendrickson

RT-463

**STATE OF MICHIGAN  
DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET  
PURCHASING OPERATIONS**

Mich. Spec. # 3958-0172D

Tires, Truck, Tubeless, Radial, To match GVWR. Front to be Highway Tread, Rear duals-Traction Drive Tread. Same Mfg. Front and Rear (Goodyear preferred)

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed in the general specifications for Truck Equipment are to be supplied on all vehicles, even though they may be optional with the manufacturer (refer to page B).

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as "STANDARD FACTORY EQUIPPED" and are to be included on this vehicle.

Air Conditioning: Factory Installed

Alternator-135 amp., minimum, Reference 34SI or approved equal.

Air filter restriction gauge, dash mounted, Filter Minder #3781-325.

Air Horn

Battery(s)-12 Volt, 2700 CCA, Minimum

Battery Box must be mounted 35" back of cab or under cab with a 24" ground clearance.

- Battery Cable: The negative battery cable shall be run from the batteries to the engine block. This shall be a full length cable and be 00 gauge.

Brakes-Sealed Air Brake Chambers, Full air. Effective lining area 625 square inch, minimum. compressor 18.7 cfm, min. Air reservoir 2,000 cubic inch, minimum. Buzzer type low pressure continuous warning device. Air pressure gauge visible to driver. Check valve or equivalent safety device between reservoir tank(s). Spring loaded diaphragm type rear wheel parking brake. Air dryer with spin on filter, mounted outside of frame rail. Automatic Drain Valves. Automatic slack adjusters. Brake and electrical connections to end of frame, are to be semi-four wheel trailer connections with seven wire electrical cable, mounted on rear cross member at end of frame.

Bumper, Front; 11" x 3" x 1/4" channel, 90" straight center section and 3" beveled ends. Channel ends to be enclosed with 1/4" thick steel plate. Straight channel acceptable. Sharp corners shall be ground smooth. Bumper shall be bolted to main frame rails.

- Cab assist handles-left and right. Plus full length left side external grab handles.
- Cab Interior: The cab inside length shall be at least 52.4 inches. A cab extension shall be provided as needed.

Cab mounted, Air Suspension Type.

Cab-to-end of frame-proper length to accommodate an 14 foot dump box mounted 18" back of cab. The 18" space is required for fuel tank mounting.

Cigar Lighter

Color-Orange acrylic enamel to match Dupont Centari 76931-AM.

Bumper and frame to be painted black.

Crankshaft-Crankshaft shall be drilled and tapped for a spicer driveline, opening for drive line to be under radiator.

- Dash, Ergonomic type, angled towards driver
- Defrost Duct: Shall be installed for passenger side window.



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DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET  
PURCHASING OPERATIONS**

Mich. Spec. # 3958-0172D

DEF Tank 7 Gallon (May Be Required. Subject to MDOT Custom Requirements).

Directional Signals-Rear to be special combination, turn signal, stop and taillights; standard canceling type. To be furnished by truck Contractor.

Dome Light in Cab.

Engine Air Breather-Provide a manual control (inside cab) for outside air intake.

Engine Block Heater, 120v/1500 watt with "Y" cord for fuel heater, cord to operate both Electrical Connections; Body Builders Package easily accessible to cab.

Body builder wiring to be standard back of cab at left frame including sealed connectors for tail/amber turn/marker/backup/accessory power/ ground and stop/turn

Engine Safety Devices-Warning light and audible alarm system activated when engine oil pressure falls below safe operating limit or when water temperature exceeds safe operating limit. Automatic engine shut-down with low oil pressure or high coolant temperature.

Exhaust System: a) Shall meet "scraper mounting clearance".

Shall be vertical stack fitted with heat shield and mounted outside of frame rails to accommodate fuel tank mounting per Mich. Spec. 3958-0171.

Any exhaust modification necessary to meet ground clearance or any other specification requirement shall be done with manufacturer's standard parts available through regular dealer parts inventories.

Any necessary exhaust modifications shall be subject to approval by authorized state personnel.

In addition to all requirements, the exhaust shall exit the right side of the engine, the muffler shall be horizontally mounted under the cab on the right side, the tail pipe shall be vertically mounted on the right side directly beside the cab. The vertical pipe shall be supported by a frame mounted bracket. The tail pipe shall not be attached to the cab.

Fan clutch-Viscous type, thermostatic control or clutch type.

Frame-Straight rail, full length channel, frame cross section 10.866" x 3.622" x 0433" at point of maximum stress Single Rail 22.125m, 2,654,400 RBM, 120,000 PSI. All bolts heads shall be flush with frame surface from a point 64" forward of the rear axle centerline to a point 96" forward of the rear axle centerline.

Frame-Straight through type with mfg. standard integral extension, shall extend 20" in front of grill.

Frame Length: The frame shall extend 213 in. min. from the back of the cab. This shall provide full support of 14 Ft. Dump Body mounted 18 in. behind cab.

Fuel tank-Transport tank only.

Fuel/Water Separator with Heater. Davco Fuel Pro #382 #382040

Gauges-Voltmeter or Ammeter, oil pressure, coolant temperature, tachometer, and transmission oil temperature.

Headlights-halogen type, with dimmer included in turn signal switch.

Heater-Engine block, 110/120 VAC

Hood-Tilt type with stationary grill, with accessory hatches to check and fill fluids without tilting hood.

Hourmeter, mounted in dash or under hood. To operate only when engine is running.

Locking Differentials with power divider.

Locks-Cab Door. Keyed the same as ignition – furnish (3) keys

Line Setting Ticket: Furnish Two (2) copies with each cab and chassis delivered.

**STATE OF MICHIGAN  
DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET  
PURCHASING OPERATIONS**

Mich. Spec. # 3958-0172D

Mirrors-Rear View, Outside. L.H. & R.H. West Coast type, 6" x 16" style, Electric Heated, Power Adjustable, Dual Axis, with stainless steel, composite or powder coated steel heads, brackets, and hardware.

Mud Flaps-Plain, Anti Sail Type, including Anti-Sail Hardware. (No advertising either side.) mounted behind front wheels.

Oil Sampling Valve.

Oil Cooler: Water to oil type

Power Terminal Stud: A 12 volt power terminal shall be installed on the firewall under the hood. This shall be unfused and connection to 12 volt power at the starter solenoid with 6 gauge cable. The stud shall be 5/16 in. Diameter minimum and threaded for a standard nut. The stud shall be insulated from the firewall and have a removable insulated cover. This shall be mounted in an easily accessible position. This will be used to power lights and other electrical items installed by M-DOT.

Radiator-Petcock type drain fitting.

Running boards shall be furnished in addition to any concealed steps.

Scraper mounting Clearance-In the area between the rear edge of the front fender and 40" rear of the cab, there shall be a minimum of 24" of ground clearance. Minimum ground clearance shall not be exceeded with a payload of 20,000 lbs. Drive-line center bearing carrier, running boards, battery box, air tanks and exhaust system shall meet the 24" minimum ground clearance requirement.

Seats-High Back Bucket, both Driver and Passenger - Air Suspension, with adjustable Lumbar Back Support and folding arm rests.

Starting Motor: Leece Neville, MS2

Steering-Power, with tilt column.

Switches, Twelve additional factory installed dash mounted switches for electrical equipment installed by MDOT.

Synthetic Lube in Rear Differentials.

Throttle, Electronic, High Idle Engine RPM Control.

Trailer light cord socket: shall be sealed in the rear with a seven (7) wire cord. Single wires in a split loom will not be acceptable.

Vehicle Warranty: The cab and chassis furnished with this bid will be placed in service approximately 270 days after delivery. M-DOT will advise the Contractor in writing of the actual in-service dates and as part of the purchase agreement, the Contractor is to assure that the manufacturer's records reflect these in service dates.

Wheels-Rim width 12.25" DC Front, 8.25" Rear, Hub Piloted Disc, Heavy Duty Disc Type with Hand Holds

Wheel Hubs: Front wheel hubs to be oil lubricated, clear caps with fill plugs, filled with 75W90 Synthetic Oil.

Windows-Power, both switches to be easily accessible to driver.

Wiring, Two way radio pre-wiring

Wiring: Dash switched for hood mounted snow plow headlights. Wiring with connectors to be coiled under hood. Snow plow headlights to be supplied and installed by M-DOT.

**STATE OF MICHIGAN  
DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET  
PURCHASING OPERATIONS**

Mich. Spec. # 3958-0172D

Warranty: To begin with date vehicle is placed in service. This will be approximately 270 days after delivery to MDOT. MDOT will advise the contractor, in writing, of the actual in-service dates and the contractor must insure that the manufacturer's records accurately reflect the service dates.

The successful bidder shall provide a minimum of eight hours training at a central M-DOT location, to M-DOT mechanics on the servicing and repair of new technology componentry, particularly electronic related.

It shall be the Contractor's responsibility to hold a vehicle pilot inspection at his manufacturing facility and furnish adequate transportation and lodging (if required) for four (4) personnel from the State of Michigan, before production. This inspection shall be held within 120 days of award.

**STATE OF MICHIGAN  
DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET  
PURCHASING OPERATIONS**

**3958-0173D HEAVY DUTY TRUCKS: CAB AND CHASSIS (G.V.W.R. 52,000 lbs., min.), TANDEM-Diesel Engine, (Not Intended to be equipped with an Underbody Snow Plow)**

MODEL - CURRENT NEW

**PRELIMINARY REQUIREMENTS:**

Transmission: 6-speed,  
Allison –4500RDS with dash mounted  
Control push button  
Axle: Ratio for minimum loaded  
road speed of approx. 68 mph.

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed in the general specifications for Truck Equipment are to be supplied on all vehicles, even though they may be optional with the manufacturer ([refer to page B](#)).

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as “STANDARD FACTORY EQUIPPED” and are to be included on this vehicle.

Alternator-130 amp., minimum, Reference 34SI or approved equal.  
Arm Rests-R.H. and L.H.  
Battery(s)-12 Volt; 1500 CCA minimum  
Brakes-Full air. Current FMVSS. Spring set rear wheel parking brake. Air reserve tank.  
Low air pressure buzzer, 12 cfm compressor. Air dryer with spin on filter, Automatic Drain Valves. Dust plates. Automatic slacks  
adjusters. Brake and electrical connections to end of frame, are to be semi four wheel trailer connections with 7 wire electrical cable, mounted on rear cross member at end of frame.  
Provide male and female connectors, loose in cab.  
Cab assist handles-right and left.  
Engine Safety Devices-Warning light and audible alarm system activated when engine oil pressure falls below safe operating limit or when water temperature exceeds safe operating limit. Automatic engine shut-down with low oil pressure or high coolant temperature.  
Fan Clutch-Thermostatic viscous type or clutch type.  
Frame-Resisting bending moment 2,654,000 in-lb., min.  
Fuel/Water Separator with Heater.  
Fuel tanks-50 gal. each step tanks, R.H. and L.H.  
Heater-Engine block, 110/120 VAC



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DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET  
PURCHASING OPERATIONS**

Mich. Spec. # 3958-0173D

Hood, Tilt.

Horns air.

Mirrors-Rear View, Outside. L.H. & R.H. West Coast Type, 6" x 16". Installed with stainless steel or powder coated steel heads, brackets, and hardware.

Seats-Air suspension, driver and conventional passenger.

Starting Aid-Cold weather, ether type or glow plug.

Steering-Power.

Switches (6), outfitter, with remote power module (MDOT)

Tachometer.

Throttle, Electronic, High Idle Engine RPM Control.

Tow Hooks- Front, Mfg. Std. Turn Signals-Double face.

Wheels-rim width 22.5"X8.25", Hub Piloted Disc, Heavy Duty Disc Type with Hand Holds

**STATE OF MICHIGAN  
DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET  
PURCHASING OPERATIONS**

**3958-0178D HEAVY DUTY TRUCKS: TRACTOR: (G.C.W.R. 70,000 lbs., min.),  
TANDEM AXLE, DIESEL**

MODEL - CURRENT NEW

**PRELIMINARY REQUIREMENTS:**

Axle: (Air power divider control, air shift, dash board indicating light)  
Ratio for minimum loaded road speed of approx. 68 mph.

**TO BE STANDARD FACTORY EQUIPPED AS FOLLOWS:**

The items listed in the general specifications for Truck Equipment are to be supplied on all vehicles, even though they may be optional with the manufacturer ([refer to page B](#)).

**ADDITIONAL OPTIONS:**

These options are in addition to the options listed above as "STANDARD FACTORY EQUIPPED" and are to be included on this vehicle.

Air Conditioning

Alternator-130 amp., minimum, Reference 34SI or approved equal.

Battery(s)-12 Volt; 1,875 CCA minimum.

Brakes-Full air. Current FMVSS. Semi-Trailer connections with breakaway Valve. Dust plates.

Air dryer with spin on filter, Automatic Drain Valves. Automatic Slack Adjusters. Cab assist handles-right and left.

Catwalk-Provide grip strut metal catwalk behind cab, full width of frame and approx. 36 inches wide.

Exhaust-Vertical with 90° elbow at top, 12'-10" maximum height.

Fenders-front quarter, rubber or plastic.

Fifth wheel-Air slide with tapered frame and kick plate. 36" track.

Fuel Tanks-R.H. & L.H. step tanks, 150 gallon, min. total capacity.

Fuel/Water Separator with Heater.

Gauges-Voltmeter and oil pressure.

Glass-Tinted all around.

Heater-Engine block, 110/120 VAC

Hood, Tilt.

Horns-Dual, air.

Jumper Light Cord and Hose Mounted on back of cab. Light cord to be equipped with 7-way plug.

**STATE OF MICHIGAN  
DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET  
PURCHASING OPERATIONS**

Mich. Spec. #            3958-0178D

Mirrors-Rear View, Outside. L.H. & R.H. West Coast Type, 6" x 16", Installed with stainless steel or powder coated steel heads, brackets, and hardware.

Mud Flaps-Plain, Anti Sail Type, including Anti-Sail Hardware. (No advertising either side.) Oil seals (wet) - front and rear axle

Radiator fan-Viscous drive or clutch type.

Seats-air suspension, cloth, high back.

Silicon hoses-heater and radiator.

Starting Aid-Cold weather, Ether type.

Steering-Power.

Switches (6), outfitter, with remote power module (MDOT) Tachometer.

Tow Hooks-front, frame mounted.

Wheels-Hub Piloted disc .

# Schedule C

## AFFIDAVIT FOR DRIVER DELIVERY Cab & Chassis

Vehicles may be driven to the final delivery destination if the following conditions are met:

1. The drivers of the vehicles are correctly licensed and trained in proper vehicle operation.
2. The contractor accepts all responsibility and liability for vehicles in transit.
3. The requesting contractor should sign the affidavit below and submit this with the bid.

The contractor accepts all responsibility and liability for vehicles in transit and guarantees the vehicles shall be transported in a safe, proper, and efficient manner.

I understand that the State may cancel approval of this affidavit at any time during the contract if the contractor fails to meet the above obligations.

  
\_\_\_\_\_  
Signed

5.11.2016  
\_\_\_\_\_  
Date

Vice President  
\_\_\_\_\_  
Title

Michigan Kenworth LLC  
\_\_\_\_\_  
Contractor