


# TOWN OF VIENNA

## MEMORANDUM

**TO:** Mike Gallagher, Director of Public Works

**FROM:** Craig Schlemmer, Vehicle Maintenance Superintendent 

**CC:** Jonathan Wooden, Operations Superintendent, Operations Superintendent; James Kirby, Street Maintenance Supervisor; Gina Gilpin, Purchasing Agent; Katrina Pruitt, Public Works Assistant

**DATE:** August 15, 2020

**SUBJECT:** Replacement Street Maintenance Plow Truck #28

Truck #28 is due for replacement as part of the Vehicle Replacement Program (VRP), page 7, Department of Public Works, Street Maintenance Division.

I recommend that we purchase a Navistar, Inc. Cab and Chassis through Goodpasture Motor Company, P.O. Box 16277, Bristol, VA 24209 for \$85,565.33, utilizing Sourcewell Contract #081716 (formerly NJPA). The snowplow, sand spreader, dump body, and controls be purchased through Henderson Products, Inc. 22686 Fisher Road, Watertown, NY, 13601 for \$63,513.00, utilizing Sourcewell Contract # 080818-HPI.

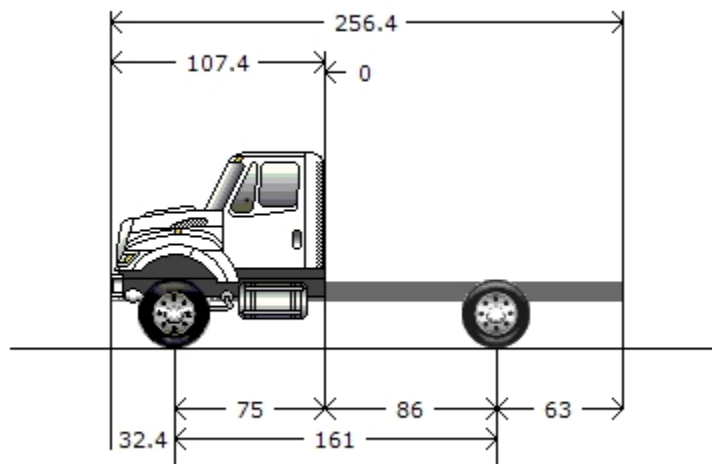
The VRP estimated cost is \$158,792.00; the total actual cost is \$149,078.33.

**Prepared For:**

Town of Vienna  
 David Stephens  
 127 Center St. S  
 Vienna, VA 22180-5719  
 (703)255 - 6300  
 Reference ID: SW #081716-NVS

**Presented By:**

GOODPASTURE MOTOR CO  
 Frank Goodpasture  
 P.O. BOX 16277  
 BRISTOL VA 24209  
 276-669-0311



**Model Profile**  
**2021 HV507 SFA (HV507)**

**AXLE CONFIG:**

4X2

**APPLICATION:**

Front Plow with spreader

**MISSION:**

Requested GVWR: 35000. Calc. GVWR: 36220  
 Calc. Start / Grade Ability: 43.57% / 2.07% @ 55 MPH  
 Calc. Geared Speed: 79.2 MPH

**DIMENSION:**

Wheelbase: 161.00, CA: 86.00, Axle to Frame: 63.00

**ENGINE, DIESEL:**

{Cummins B6.7 300} EPA 2017, 300HP @ 2600 RPM, 660 lb-ft Torque @ 1600 RPM, 2600 RPM  
 Governed Speed, 300 Peak HP (Max)

**TRANSMISSION, AUTOMATIC:**

{Allison 3500 RDS} 5th Generation Controls, Wide Ratio, 6-Speed with Double Overdrive, with  
 PTO Provision, Less Retarder, Includes Oil Level Sensor, with 80,000-lb GVW and GCW Max,  
 On/Off Highway

**CLUTCH:**

Omit Item (Clutch &amp; Control)

**AXLE, FRONT NON-DRIVING:**

{Meritor MFS-14-143A} Wide Track, I-Beam Type, 14,000-lb Capacity

**AXLE, REAR, SINGLE:**

{Dana Spicer 23082T} Two-Speed, 23,000-lb Capacity, 200 Wheel Ends Gear Ratio(s): 6.17, 8.40  
 Conventional, Day Cab

**CAB:****TIRE, FRONT:**

(2) 11R22.5 Load Range H ECOPLUS HS3 (CONTINENTAL), 495 rev/mile, 75 MPH, All-Position

**TIRE, REAR:**

(4) 11R22.5 Load Range G HDR2 (CONTINENTAL), 491 rev/mile, 75 MPH, Drive

**SUSPENSION, REAR, SINGLE:**

23,500-lb Capacity, Vari-Rate Springs, with 4500-lb Capacity Auxiliary Rubber Springs

**FRAME REINFORCEMENT:**

Full Outer C-Channel, Heat Treated Alloy Steel (120,000 PSI Yield), 10.813" x 3.892" x  
 0.312" (274.6mm x 98.8mm x 7.9mm), 480.0" (12192mm) OAL

**PAINT:**

Cab schematic 100WK

Location 1: 9219, Winter White (Std)

Chassis schematic N/A

**Description**

Base Chassis, Model HV507 SFA with 161.00 Wheelbase, 86.00 CA, and 63.00 Axle to Frame.

TOW HOOK, FRONT (2) Frame Mounted

AXLE CONFIGURATION {Navistar} 4x2

**Notes**

: Pricing may change if axle configuration is changed.

FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.125" x 3.580" x 0.312" (257.2mm x 90.9mm x 8.0mm); 480.0" (12192) Maximum OAL

FRAME REINFORCEMENT Full Outer C-Channel, Heat Treated Alloy Steel (120,000 PSI Yield), 10.813" x 3.892" x 0.312" (274.6mm x 98.8mm x 7.9mm), 480.0" (12192mm) OAL

BUMPER, FRONT Contoured, Steel, Painted 0001 Canyon Black, Heavy Duty

FRAME EXTENSION, FRONT Integral; 20" In Front of Grille, with Outer C-Channel Reinforcement

WHEELBASE RANGE 146" (370cm) Through and Including 195" (495cm)

AXLE, FRONT NON-DRIVING {Meritor MFS-14-143A} Wide Track, I-Beam Type, 14,000-lb Capacity

SUSPENSION, FRONT, SPRING Parabolic Taper Leaf, Shackle Type, 14,000-lb Capacity, with Shock Absorbers

BRAKE SYSTEM, AIR Dual System for Straight Truck Applications

**Includes**

: BRAKE LINES Color and Size Coded Nylon

: DRAIN VALVE Twist-Type

: GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster

: PARKING BRAKE CONTROL Yellow Knob, Located on Instrument Panel

: PARKING BRAKE VALVE For Truck

: QUICK RELEASE VALVE On Rear Axle for Spring Brake Release: 1 for 4x2, 2 for 6x4

: SPRING BRAKE MODULATOR VALVE R-7 for 4x2, SR-7 with relay valve for 6x4/8x6

TRAILER CONNECTIONS Four-Wheel, with Hand Control Valve and Tractor Protection Valve, for Straight Truck

**Notes**

: When electronic stability control is ordered with trailer connections on a 4x2 truck, please check the operator manual for trailer weight restrictions.

AIR BRAKE ABS {Bendix AntiLock Brake System} 4-Channel (4 Sensor/4 Modulator) Full Vehicle Wheel Control System

AIR DRYER {Bendix AD-9} with Heater

BRAKE CHAMBERS, FRONT AXLE {Bendix} 20 SqiIn

BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 SqiIn Spring Brake

SLACK ADJUSTERS, FRONT {Gunitite} Automatic

SLACK ADJUSTERS, REAR {Gunitite} Automatic

AIR SUPPLY, AUXILIARY on Air Reservoir with Glad Hand Connector

AIR COMPRESSOR {Cummins} 18.7 CFM

AIR DRYER LOCATION Mounted Inside Left Rail, Back of Cab

HAND CONTROL VALVE, AIR for Trailer Brakes, Omit Item

DRAIN VALVE Automatic, with (3) Pull Chains, for Air Tanks

AIR TANK LOCATION (2) : One Mounted Under Each Rail, Front of Rear Suspension, Parallel to Rail

**Description**

BRAKES, FRONT {Bendix Spicer ES-165-5X} Air S-Cam Type, Heavy Duty Fabricated Spider, Fabricated Shoe, Single Anchor Pin, Size 16.5" X 5", 14,600-lb Capacity

BRAKES, REAR {Bendix Spicer ES-165-7X} Air S-Cam Type, Heavy Duty Fabricated Spider, Fabricated Shoe, Single Anchor Pin, Size 16.5" X 7", 23,000-lb Capacity per Axle

STEERING COLUMN Tilting

STEERING WHEEL 4-Spoke; 18" Dia., Black

STEERING GEAR {Sheppard M100} Power

DRIVELINE SYSTEM {Dana Spicer} 1710, for 4x2/6x2

AFTERTREATMENT COVER Steel, Black

EXHAUST SYSTEM Single, Horizontal Aftertreatment Device, Frame Mounted Right Side Under Cab, for Single Vertical Tail Pipe, Frame Mounted Right Side Back of Cab

TAIL PIPE (1) Turnback Type

MUFFLER/TAIL PIPE GUARD (1) Bright Stainless Steel

EXHAUST HEIGHT 10'

ELECTRICAL SYSTEM 12-Volt, Standard Equipment

**Includes**

: DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab

: HAZARD SWITCH Push On/Push Off, Located on Instrument Panel to Right of Steering Wheel

: HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever

: PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light

: STARTER SWITCH Electric, Key Operated

: STOP, TURN, TAIL & B/U LIGHTS Dual, Rear, Combination with Reflector

: TURN SIGNAL SWITCH Self-Cancelling for Trucks, Manual Cancelling for Tractors, with Lane Change Feature

: WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever

: WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted

: WIRING, CHASSIS Color Coded and Continuously Numbered

CIGAR LIGHTER Includes Ash Cup

POWER SOURCE Cigar Type Receptacle without Plug and Cord

ALTERNATOR {Leece-Neville AVI160P2013} Brush Type, 12 Volt, 160 Amp Capacity, Pad Mount, with Remote Sense

BODY BUILDER WIRING Back of Day Cab at Left Frame or Under Sleeper, Extended or Crew Cab at Left Frame; Includes Sealed Connectors for Tail/Amber Turn/Marker/ Backup/Accessory Power/Ground and Sealed Connector for Stop/Turn

ELECTRIC TRAILER BRAKE/LIGHTS Accommodation Package to Rear of Frame; for Combined Trailer Stop, Tail, Turn, Marker Light Circuits; Includes Electric Trailer Brake Accommodation Package with Cab Connections for Mounting Customer Installed Electric Brake Unit, Less Trailer Socket

BATTERY SYSTEM {Fleetrite} Maintenance-Free, (3) 12-Volt 1980CCA Total, Top Threaded Stud

SPEAKERS (2) 6.5" Dual Cone Mounted in Both Doors, (2) 5.25" Dual Cone Mounted in Both B-Pillars

RADIO AM/FM/WB/Clock/USB Input/Auxiliary Input

BACK-UP ALARM Electric, 102 dBA

AUXILIARY HARNESS 3.0' for Auxiliary Front Head Lights and Turn Signals for Front Plow Applications

TRAILER AUXILIARY FEED CIRCUIT for Electric Trailer Brake Accommodation/Air Trailer ABS; with 30 Amp Fuse and Relay, Controlled by Ignition Switch

HORN, ELECTRIC Disc Style

**Description**

JUMP START STUD Remote Mounted

WINDSHIELD WIPER SPD CONTROL Force Wipers to Slowest Intermittent Speed When Park Brake Set and Wipers Left on for a Predetermined Time

CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade

TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights

HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on

STARTING MOTOR {Delco Remy 38MT Type 300} 12 Volt, Less Thermal Over-Crank Protection

INDICATOR, LOW COOLANT LEVEL with Audible Alarm

HEADLIGHT WARNING BUZZER Sounds When Head Light Switch is on and Ignition Switch is in "Off" Position

ALARM, PARKING BRAKE Electric Horn Sounds in Repetitive Manner When Vehicle Park Brake is "NOT" Set, with Ignition "OFF" and any Door Opened

INDICATOR, BATTERY WARNING Green BATTERY ON Indicator, Mounted on Left Side of Instrument Panel, To be Used with Factory Installed or Customer Mounted Battery Disconnect Switch

CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III with Trip Indicators, Replaces All Fuses

BATTERY BOX Steel, with Aluminum Cover, 14" Wide, 2-3 Battery Capacity, Mounted Left Side Under Cab

TURN SIGNALS, FRONT Includes LED Side Turn Lights Mounted on Fender

BATTERY DISCONNECT SWITCH 300 Amp, Disconnects Charging Circuits, Locks with Padlock, Cab Mounted

HORN, AIR Single Trumpet, Black, with Lanyard Pull Cord

FENDER EXTENSIONS Rubber

LOGOS EXTERIOR Model Badges

LOGOS EXTERIOR, ENGINE Badges

INSULATION, UNDER HOOD for Sound Abatement

GRILLE Stationary, Chrome

INSULATION, SPLASH PANELS for Sound Abatement

FRONT END Tilting, Fiberglass, with Three Piece Construction, for WorkStar/HV

PAINT SCHEMATIC, PT-1 Single Color, Design 100

**Includes**

: PAINT SCHEMATIC ID LETTERS "WK"

PAINT TYPE Base Coat/Clear Coat, 1-2 Tone

CUSTOMER IDENTITY for National Joint Powers Alliance

PROMOTIONAL PACKAGE Government Silver Package

SAFETY TRIANGLES

CLUTCH Omit Item (Clutch & Control)

ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection

BLOCK HEATER, ENGINE 120V/1000W, for Cummins ISB/B6.7/ISL/L9 Engines

**Includes**

: BLOCK HEATER SOCKET Receptacle Type; Mounted below Drivers Door

Description

PTO EFFECTS, ENGINE FRONT Less PTO Unit, Includes Adapter Plate on Engine Front Mounted

ENGINE, DIESEL {Cummins B6.7 300} EPA 2017, 300HP @ 2600 RPM, 660 lb-ft Torque @ 1600 RPM, 2600 RPM Governed Speed, 300 Peak HP (Max)

VENDOR WARRANTY, ENGINE {Cummins} B6.7 Engine, 3-Year Unlimited Miles Standard Warranty

FAN DRIVE {Horton Drivemaster} Direct Drive Type, Two Speed with Residual Torque Device for Disengaged Fan Speed

Includes

: FAN Nylon

RADIATOR Aluminum, Cross Flow, Front to Back System, 1228 SqIn, with 1167 SqIn Charge Air Cooler, Includes In-Tank Oil Cooler

Includes

: DEAERATION SYSTEM with Surge Tank

: HOSE CLAMPS, RADIATOR HOSES Gates Shrink Band Type; Thermoplastic Coolant Hose Clamps

: RADIATOR HOSES Premium, Rubber

AIR CLEANER Single Element

FEDERAL EMISSIONS {Cummins B6.7} EPA, OBD and GHG Certified for Calendar Year 2020

THROTTLE, HAND CONTROL Engine Speed Control for PTO; Electronic, Stationary Pre-Set, Two Speed Settings; Mounted on Steering Wheel

EMISSION COMPLIANCE Federal, Does Not Comply with California Clean Air Idle Regulations

ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls, with Ignition Switch Control, for Cummins ISB/B6.7 and ISL/L9 Engines

TRANSMISSION, AUTOMATIC {Allison 3500 RDS} 5th Generation Controls, Wide Ratio, 6-Speed with Double Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, with 80,000-lb GVW and GCW Max, On/Off Highway

TRANSMISSION SHIFT CONTROL Column Mounted Stalk Shifter, Not for Use with Allison 1000 & 2000 Series Transmission

TRANSMISSION OIL Synthetic; 29 thru 42 Pints

ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS), General Purpose Trucks, Construction, Package Number 223

NEUTRAL AT STOP OMIT

TRANSMISSION TCM LOCATION Located Inside Cab

SHIFT CONTROL PARAMETERS {Allison} 3000 or 4000 Series Transmissions, Performance Programming

PTO LOCATION Customer Intends to Install PTO at Left Side of Transmission

AXLE, REAR, SINGLE {Dana Spicer 23082T} Two-Speed, 23,000-lb Capacity, 200 Wheel Ends . Gear Ratio: 6.17, 8.40

Notes

: Axle Lead Time is 49 Days

SUSPENSION, REAR, SINGLE 23,500-lb Capacity, Vari-Rate Springs, with 4500-lb Capacity Auxiliary Rubber Springs

2-SPEED SHIFT PACKAGE Controlled Shifting for 2-Speed Rear Axle, Requires Automatic Transmission in Neutral & Brake Pedal Pressed & Zero Vehicle Speed, Not with 30 psi Brakes Application

AXLE, REAR, LUBE {EmGard FE-75W-90} Synthetic Oil; 30 thru 39.99 Pints

FUEL/WATER SEPARATOR 12 VDC Electric Heater, Includes Pre-Heater, Includes Water-in-Fuel Sensor, Cummins Supplied on Engine

FUEL TANK Top Draw, Non-Polished Aluminum, 24" Dia, 50 US Gal (189L), Mounted Left Side, Under Cab

DEF TANK 5 US Gal (19L) Capacity, Frame Mounted Outside Left Rail, Under Cab

CAB Conventional, Day Cab

**Description**

HEATER HOSES Silicone

AIR CONDITIONER with Integral Heater and Defroster

GAUGE CLUSTER Base Level; English with English Speedometer and Tachometer, for Air Brake Chassis, Includes Engine Coolant Temperature, Primary and Secondary Air Pressure, Fuel and DEF Gauges, Oil Pressure Gauge, Includes 3 Inch Monochromatic Text Display

GAUGE, OIL TEMP, AUTO TRANS for Allison Transmission

IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster

SEAT, DRIVER {National 2000} Air Suspension, High Back with Integral Headrest, Vinyl, Isolator, 1 Chamber Lumbar, with 2 Position Front Cushion Adjust, -3 to +14 Degree Angle Back Adjust

SEAT, TWO-MAN PASSENGER {National} Fixed Back, Integrated Headrest in Both Occupant Positions, Vinyl, with Under Seat Storage Compartment

MIRRORS (2) Aero Pedestal, Power Adjust, Heated, Turn Signals, Black Heads and Arms, 6.5" x 14" Flat Glass, Includes 6.5" x 6" Convex Mirrors, for 102" Load Width

**Notes**

: Mirror Dimensions are Rounded to the Nearest 0.5"

SEAT BELT All Orange; 1 to 3

CAB INTERIOR TRIM Classic, for Day Cab

**Includes**

: CONSOLE, OVERHEAD Molded Plastic with Dual Storage Pockets, Retainer Nets and CB Radio Pocket; Located Above Driver and Passenger

: DOME LIGHT, CAB Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Overhead Console, Center Mounted

: SUN VISOR (2) Padded Vinyl; 2 Moveable (Front-to-Side) Primary Visors, Driver Side with Toll Ticket Strap

CAB SOUND INSULATION Includes Dash Insulator and Engine Cover Insulator

HOSE CLAMPS, HEATER HOSE {Breeze} Belleville Washer Type

WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature

CAB REAR SUSPENSION Air Bag Type

INSTRUMENT PANEL Flat Panel

ACCESS, CAB Steel, Driver & Passenger Sides, Two Steps per Door, for use with Day Cab and Extended Cab

WHEELS, FRONT {Maxion 10049} DISC; 22.5x8.25 Rims, Painted Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with .490" Thick Increased Capacity Disc and Steel Hubs

WHEELS, REAR {Maxion 10049} DUAL DISC; 22.5x8.25 Rims, Painted Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with .490" Thick Increased Capacity Disc and Steel Hubs

PAINT IDENTITY, FRONT WHEELS Disc Front Wheels; with Vendor Applied White Powder Coat Paint

PAINT IDENTITY, REAR WHEELS Disc Rear Wheels; with Vendor Applied White Powder Coat Paint

BDY INTG, REMOTE POWER MODULE Mounted Inside Cab Behind Driver Seat, Up to 6 Outputs & 6 Inputs, Max 20 amp per Channel, Max 80 amp Total; Includes 1 Switch Pack with Latched Switches

(4) TIRE, REAR 11R22.5 Load Range G HDR2 (CONTINENTAL), 491 rev/mile, 75 MPH, Drive

(2) TIRE, FRONT 11R22.5 Load Range H ECOPLUS HS3 (CONTINENTAL), 495 rev/mile, 75 MPH, All-Position

**Services Section:**

**Description**

WARRANTY Standard for HV507, HV50B, HV607 Models, Effective with Vehicles Built July 1, 2017 or Later, CTS-2025A



<u>Description</u>	(US DOLLAR)	<u>Price</u>
Factory List Prices:		
Product Items	\$129,466.00	
Service Items	\$0.00	
Total Factory List Price Including Options:		\$129,466.00
Freight	\$2,350.00	
Total Freight:		\$2,350.00
Total Factory List Price Including Freight:		\$131,816.00
Less Customer Allowance:		(\$46,250.67)
Total Vehicle Price:		\$85,565.33
Total Sale Price:		\$85,565.33
Total Per Vehicle Sales Price:		\$85,565.33
Net Sales Price:		\$85,565.33

THIS QUOTATION FOR THE TOWN OF VIENNA VA PROVIDES SOURCEWELL PRICING VIA NAVISTAR INC.'S CONTRACT  
#081716-NVS

Approved by Seller:

Accepted by Purchaser:

\_\_\_\_\_  
Official Title and Date

\_\_\_\_\_  
Firm or Business Name

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Authorized Signature and Date

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

\_\_\_\_\_  
Official Title and Date

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

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

**FORM E**  
**CONTRACT ACCEPTANCE AND AWARD**



(Top portion of this form will be completed by NJPA if the vendor is awarded a contract. The vendor should complete the vendor authorized signatures as part of the RFP response.)

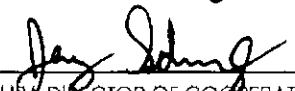
NJPA Contract #: 081716-NVS

Proposer's full legal name: Navistar, Inc.

**Based on NJPA's evaluation of your proposal, you have been awarded a contract. As an awarded vendor, you agree to provide the products and services contained in your proposal and to meet all of the terms and conditions set forth in this RFP, in any amendments to this RFP, and in any exceptions that are accepted by NJPA.**

The effective date of the Contract will be November 15, 2016 and will expire on November 15, 2020 (no later than the later of four years from the expiration date of the currently awarded contract or four years from the date that the NJPA Chief Procurement Officer awards the Contract). This Contract may be extended for a fifth year at NJPA's discretion.

**NJPA Authorized Signatures:**

  
\_\_\_\_\_  
NJPA DIRECTOR OF COOPERATIVE CONTRACTS  
AND PROCUREMENT/CPO SIGNATURE

Jeremy Schwartz  
(NAME PRINTED OR TYPED)

  
\_\_\_\_\_  
NJPA EXECUTIVE DIRECTOR/CEO SIGNATURE

Chad Coquette  
(NAME PRINTED OR TYPED)

Awarded on November 15, 2016

NJPA Contract # 081716-NVS

**Vendor Authorized Signatures:**

The Vendor hereby accepts this Contract award, including all accepted exceptions and amendments.

Vendor Name NAVISTAR, INC.

Authorized Signatory's Title DIRECTOR VOCATIONAL SALES

  
\_\_\_\_\_  
VENDOR AUTHORIZED SIGNATURE

MARTIN WHITE  
(NAME PRINTED OR TYPED)

Executed on 11/18, 2016

NJPA Contract # 081716-NVS