



# TOWN OF RIVERHEAD

*Yvette Aguiar, Supervisor*  
200 Howell Avenue  
Riverhead, New York 11901-2596  
631-727-3200

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**BID FOR:  
2020 or NEWER CHASSIS, 10' 304 STAINLESS STEEL DUMP BODY,  
CUSTOM LOW MOUNT HITCH, 10' STAINLESS STEEL MATERIAL  
SPREADER, 10' SNOW PLOW AND CENTRAL HYDRAULICS**

\_\_\_\_\_  
BIDDERS NAME

\_\_\_\_\_  
BIDDERS ADDRESS

\_\_\_\_\_  
CITY, STATE, ZIP

(\_\_\_\_\_) \_\_\_\_\_  
PHONE NUMBER

\_\_\_\_\_  
EMAIL ADDRESS

In compliance with your advertisement for bids to be opened on September 24, 2020 and subject to all conditions thereof, the undersigned hereby proposes to furnish the item(s) and/or service(s) itemized in this proposal in accordance with the Notice to Bidders, General Information Agreement and Specifications contained herein on the Bid Proposal Form attached.

Bidder certifies that the prices quoted herein do not include Federal Excise Tax or any Federal, New York State or City Sales Tax and are not higher than prices charged to any governmental or commercial consumer for like merchandise and/or service; and all prices include shipping and freight charges to any Municipal building or site within the Town of Riverhead.

Respectfully submitted,

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Title

**THIS PAGE MUST BE COMPLETED, SIGNED, AND RETURNED WITH BID**

VENDOR NAME \_\_\_\_\_

**TOWN OF RIVERHEAD  
NOTICE TO BIDDERS**

Sealed bids for **2020 or NEWER CHASSIS, 10' 304 STAINLESS STEEL DUMP BODY, CUSTOM LOW MOUNT HITCH, 10' STAINLESS STEEL MATERIAL SPREADER, 10' SNOW PLOW AND CENTRAL HYDRAULICS** for use by the Town of Riverhead Highway Department, will be received by the Town Clerk of the Town of Riverhead at Town Hall, 200 Howell Avenue, Riverhead, New York, 11901, until **11:00 a.m. on September 24, 2020**, at which time all bids received shall be opened and read aloud.

Bid Specifications and/or Plans may be obtained by visiting the Town of Riverhead website at [www.townofriverheadny.gov](http://www.townofriverheadny.gov) on or after **September 10, 2020**. Click on "Bid Requests" and follow the instructions to register.

All bids are to be submitted in a sealed envelope bearing the designation **2020 or NEWER CHASSIS, 10' 304 STAINLESS STEEL DUMP BODY, CUSTOM LOW MOUNT HITCH, 10' STAINLESS STEEL MATERIAL SPREADER, 10' SNOW PLOW AND CENTRAL HYDRAULICS**. All bids must be submitted on the bid form provided. Any and all exceptions to the Specifications must be listed on a separate sheet of paper, bearing the designation "**EXCEPTIONS TO THE SPECIFICATIONS**" and be attached to the bid form.

**NOTE: Bid responses must be delivered to the Office of the Town Clerk at 200 Howell Avenue, Riverhead, New York, 11901, on or before September 24, 2020 at 11:00 a.m. The Town may decline to accept, deem untimely and/or reject any bid response/proposal that is not delivered to the Office of the Town Clerk.**

The Town Board reserves the right and responsibility to reject any or all bids or to waive any formality if it believes such action to be in the best interest of the Town.

**BY ORDER OF THE TOWN BOARD  
OF THE TOWN OF RIVERHEAD**

**DIANE M. WILHELM, TOWN CLERK**

VENDOR NAME \_\_\_\_\_

**TOWN OF RIVERHEAD  
BID SPECIFICATION**

**2020 or NEWER CHASSIS, 10' 304 STAINLESS STEEL DUMP BODY, CUSTOM  
LOW MOUNT HITCH, 10' STAINLESS STEEL MATERIAL SPREADER, 10' SNOW  
PLOW AND CENTRAL HYDRAULICS**

**I. General Description**

The Highway Department is seeking a new, latest model in production chassis, 10' 304 stainless steel dump body and custom low hitch. Additional optional equipment is a 10' stainless steel material spreader, and a 10' snow plow and central hydraulics.

Any deviations from the written specifications shown in the bid specifications shall be noted on the form titled "**EXCEPTIONS TO BID SPECIFICATIONS**" annexed to the specifications. In order to receive full consideration, bids must fully follow the specifications described more fully below and the notice to bidders.

**II. General Requirements**

**Bids:** Unless prices and all information requested are complete, bid may be disregarded and given no consideration. All prices and bids must be in ink or typewritten, with the vendor name on each page. No pencil figures or erasures are permitted. Mistakes may be crossed out and corrections inserted adjacent thereto and must be initialed in ink by person signing the bid. All bids must be signed with the firm's name and by a responsible officer or employee.

**Submission of Bids:** Each bid must be submitted on the prescribed form in a sealed envelope clearly marked "**2020 or NEWER CHASSIS, 10' 304 STAINLESS STEEL DUMP BODY, CUSTOM LOW MOUNT HITCH, 10' STAINLESS STEEL MATERIAL SPREADER, 10' SNOW PLOW AND CENTRAL HYDRAULICS**" and filed with the Town Clerk of the Town of Riverhead at Town Hall, 200 Howell Avenue, Riverhead, New York on or before **11:00 am on September 24, 2020** at which time they will be publicly opened and read aloud.

Information must be furnished complete in compliance with the terms, conditions, and provisions of the bid specifications. The information requested and the manner of submission are essential to permit prompt evaluation of all bids on a fair and uniform basis. Accordingly, the Town reserves the right to declare as non-responsive and reject any bid in which material information requested is not furnished or where indirect or incomplete answers or information is provided. Bids shall be for the total net price including all applicable taxes and charges, delivered F.O.B., Town of Riverhead Municipal Garage, 1177 Osborne Avenue, Riverhead, NY 11901.

VENDOR NAME \_\_\_\_\_

Bids and modifications or corrections thereof received after the closing time specified will not be considered. Note: no telephone, e-mail or facsimile of bids will be accepted. If a photocopy is to be submitted, it must be signed in original, in ink.

The Town reserves the right to accept and/or reject any and all bids and waive and formalities in the bidding procedures to the extent permitted by law and make the award as may be deemed in the best interest of the Town.

### III. Requirements/Specifications

The Town of Riverhead is requesting pricing and availability of **2020 or NEWER CHASSIS, 10' 304 STAINLESS STEEL DUMP BODY, CUSTOM LOW MOUNT HITCH, 10' STAINLESS STEEL MATERIAL SPREADER, 10' SNOW PLOW AND CENTRAL HYDRAULICS** for use by the Highway Department.

**Price:** Price shall be net F.O.B., Town of Riverhead Municipal Garage, 1177 Osborne Avenue, Riverhead, NY 11901 and shall remain in effect for two (2) years from the date of the award, and may be extended for two (2) one (1) year periods under the same terms and conditions by mutual agreement between the contractor and the Town of Riverhead.

**Quantity:** Quantity is indefinite; however, the contract shall be for the amount actually ordered during the contract period.

**Specification References:** To be attached and made part of this bid form.

Wherever in the contract documents any material or any item of equipment is defined by describing a proprietary product or by using the statement "as manufactured by", it is the intent of the Purchasing Department that this shall describe the quality of material, method of manufacture, and the dimensions. This procedure is not intended to limit bidding on such items, but rather to establish by reference to acceptable existing products a standard of quality to which the items furnished on this contract must conform. The decision of the Superintendent of Highways and the Purchasing Agent will be final as to acceptable alternates.

**Deviations:** In the event alternate chassis or equipment brands are bid, each vendor shall at the time of the bid submit two (2) copies of a technical description of the unit and components they propose to furnish for the purpose of evaluation. Said representations should be sufficiently details so as to address this bid on an item-by-item basis. Specification submitted by vendor shall be instrumental in substantiating compliance with this bid. Failure to submit these technical documents at the time of the bid shall render the bid non-responsive.

Vendors are cautioned that unsubstantiated claims of compliance to the technical specifications and/or any written representations that the product offered is of commensurate capability or an "or equal" nature will not constitute compliance with this requirement.

VENDOR NAME \_\_\_\_\_

No individual claim(s) of compliance, equality, superiority shall receive any consideration in the absence of specific technical information to support such claims. The issuance of unsupported claims shall render this bid non-responsive.

In the event an alternate is bid, the Town of Riverhead reserves the right to request a demonstration within ten (10) working days of notifications. Demonstration will be conducted at a designated locations within the Town of Riverhead free of charge. Failure to comply with a request for demonstration may result in disqualification of bid.

In the event exceptions are taken, the vendor is instructed to annotate and number exceptions taken and provide all detail relevant to those exception listed by corresponding number on the sheet marked "Exceptions to Specifications" in this bid document.

**Advertising:** Except for inconspicuous identification plates, serial number plates, precautionary instruction plates, etc., no name, trade mark, decal or other identification other than that of the manufacturer, shall be applied to the vehicle(s). Splash guards shall be plain and without lettering. In any instance of violation of these restrictions, the cost to the Town for removal of such advertising will be deducted from contractor's outstanding voucher.

**Motor Vehicle Forms:** All necessary motor vehicle forms, if required, must be made out completely, signed, and delivered with the vehicle(s).

**PLEASE NOTE:** ALL MOTOR VEHICLE FORMS MUST BE MADE OUT TO:

TOWN OF RIVERHEAD  
200 HOWELL AVENUE  
RIVERHEAD, NY 11901

**Delivery Requirements:** Bidder guarantees that delivery will be made within the period indicated on the bid form. Failure to deliver within the stated time period may result in the Town's assessment of liquidated damages in the amount of \$250.00 per day past such time period in which the items ordered are not delivered. Bidders are cautioned **NOT** to enter "A.S.A.P." as a stated delivery time; doing so will VOID VENDOR'S BID. A definite time **MUST** be stated.

**Bidder Qualifications:** Bidder must be authorized to do business in New York State by the New York State Department of State.

VENDOR NAME \_\_\_\_\_

**Return Address:** All bids to be addressed to:

**TOWN OF RIVERHEAD  
TOWN CLERKS OFFICE  
200 HOWELL AVENUE  
RIVERHEAD, NY 11901**

**Addenda and Interpretations:** Every request for information or interpretation of the Contract Documents must be submitted in writing to the Town Purchasing Agent at [baldinucci@townofriverheadny.gov](mailto:baldinucci@townofriverheadny.gov) at least five (5) business days prior to date fixed for the opening of bids. Any such interpretation or supplemental instructions will be in the form of written addenda and will be emailed to all prospective bidders who have registered and obtained the bid documents from the Town of Riverhead website ([townofriverheadny.gov](http://townofriverheadny.gov)). The failure of any bidder to receive such addenda will not relieve the bidder of any obligation under his bid as submitted. Any addenda so issued shall become part of the Contract Documents.

**Governing Law and Forum Selection:** Any dispute arising under or in connection with this contract shall be brought only in the state courts located in Suffolk County, New York. The contractor consents to the exercise of jurisdiction by the Courts of the State of New York.

**NOTE:** Any changes made to the Town's terms and conditions may cause the vendor's bid to be disqualified.

**NO BID SHALL BE WITHDRAWN NOR PRICE INCREASED FOR A PERIOD OF FORTY-FIVE (45) DAYS AFTER BEING PUBLICLY OPENED AND READ.**

**ALL BIDS MUST BE SUBMITTED IN A SEALED ENVELOPE THAT IS PROPERLY LABELED WITH THE BID NAME AND OPENING DATE. A LABEL IS PROVIDED ON THE LAST PAGE OF THIS DOCUMENT FOR YOUR CONVENIENCE. FAXED OR EMAILED BIDS WILL NOT BE ACCEPTED.**

**THE RIVERHEAD TOWN BOARD RESERVES THE RIGHT TO WAIVE ANY FORMALITY AND/OR INFORMALITY OR TO REJECT ANY OR ALL BIDS RECEIVED OR TO AWARD A CONTRACT TO ONE OR MORE BIDDERS FOR AN ITEM, GROUP(S) OF ITEMS, OR ALL ITEMS IN THE BID WHEN, IN THE OPINION OF THE TOWN BOARD, SUCH AN ACTION WILL BE IN THE BEST INTEREST OF THE TOWN.**

**PLEASE NOTE:** BIDDER MUST COMPLETE AND SIGN ALL FORMS AND STATEMENTS AS INDICATED IN THIS BID DOCUMENT.

VENDOR NAME \_\_\_\_\_

### **SPECIFICATIONS**

The bidder shall indicate 100% compliance by checking "YES" or non-compliance by checking "NO" for each line item specification. Any space left blank shall be considered non-compliant. Any deviations from the specifications, or where submitted literature does not fully support the meeting of specifications, must be clearly cited in detail by the bidder on the "EXCEPTIONS" page in this bid document. No verbal interpretation will be accepted. In addition, no deviations below "minimum" specifications as written will be accepted.

Bidder shall provide current specification literature for all items being bid with their bid submission.

Vendor Name \_\_\_\_\_

COMPLIANCE TO SPECIFICATIONS			
The bidder shall indicate 100% compliance by checking "YES" or non-compliance by checking "NO" for each line item specification. Any space left blank shall be considered non-compliant. Any deviations from the specifications, or where submitted literature does not fully support the meeting of specifications, must be clearly cited in detail by the bidder on the "EXCEPTIONS" page in this bid document. No verbal interpretation will be accepted. In addition, no deviations below "minimum" specifications as written will be accepted.			
		<b>COMPLY</b>	
SECTION	SPECIFICATION DETAIL	YES	NO
<b>BIDDING REQUIREMENTS SECTION</b>			
<b>SPECIFICATION REQUIREMENTS FOR A 46,000 LBS GVW 6 WHEEL DUMP CHASSIS</b>			
<b>VEHICLE CONFIGURATION</b>	CONVENTIONAL CHASSIS OR EQUAL		
	2020 MODEL OR NEWER		
	SET BACK AXLE - TRUCK		
	TRAILER TOWING PROVISION AT END OF FRAME FOR TRUCK		
<b>GENERAL SERVICES</b>	EXPECTED FRONT AXLE(S) LOAD: 16,000 LBS		
	EXPECTED REAR AXLE(S) LOAD: 30,000 LBS		
	EXPECTED GROSS VEHICLE WEIGHT CAPACITY: 46,000 LBS		
	EXPECTED GROSS COMBINATION WEIGHT: 80,000 LBS		
<b>ENGINE</b>	MINIMUM 8 LITER DIESEL 350 HO, 1050 LB/FT		
	2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB.FINAL GHG17 CONFIGURATION		
<b>ENGINE EQUIPMENT</b>	STANDARD OIL PAN		
	ENGINE MOUNTED OIL CHECK AND FILL		
	SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED AIR CLEANER		
	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE		
	(2) DTNA GENUINE ,FLOODED STARTING, MIN 2250CCA, 390RC, THREADED STUD BATTERIES		
	BATTERY BOX FRAME MOUNTED		
	STANDARD JUMPER CABLES		
	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB		
	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		
	CAB AUXILLIARY POWER CABLE		
	POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT		
	POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER		
	MINIMUM 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE		
	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM		
	ELECTRONIC BRAKE INTEGRAL WITH VARIABLE GEOMETRY TURBO WITH ON/OFF DASH SWITCH		
	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH HORIZONTAL TAILPIPE		
	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH		
	STANDARD EXHAUSE SYSTEM LENGTH		
	RH STANDARD HORIZONTAL TAIL PIPE		
	6 GALLON DIESEL EXHAUST FLUID TANK		
	100 PERCENT DIESEL EXHAUST FLUID FILL		
	STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING		
	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION		
	STANDARD DIESEL EXHAUST FLUID TANK CAP		
	VISCOUS FAN DRIVE ON/OFF		
	FUEL FILTER		
	COMBINATION FULL FLOW/BYPASS OIL FILTER		
	1115 SQUARE INCH ALUMINUM RADIATOR		

Vendor Name \_\_\_\_\_

SECTION	SPECIFICATION DETAIL	COMPLY	
		YES	NO
<b>ENGINE EQUIPMENT (CONT'D)</b>	ANTIFREEZE TO -34F, OAT (NITRATE AND SILICATE FREE) EXTENDED LIFE COOLANT		
	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT		
	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES		
	RADIATOR DRAIN VALVE		
	ELECTRIC GRID AIR INTAKE WARMER		
	DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC SWITCH		
<b>TRANSMISSION</b>	750 WATT 115V BLOCK HEATER		
	ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION		
	VEHICLE INTERFACE WIRING CONNECTOR WITHOUT BLUNT CUTS, AT BACK OF CAB		
<b>TRANSMISSION EQUIPMENT</b>	ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR FIREWALL MOUNTED		
	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN		
	PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED		
	TRANSMISSION PROGNOSTICS - ENABLED 2013		
	WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK		
	TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK		
<b>FRONT AXLE AND EQUIPMENT</b>	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)		
	DA-F-16.0-5 16,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE		
	16.5X5 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
	NON-ASBESTOS FRONT BRAKE LINING		
	CONMET CAST IARON FRONT BRAKE DRUMS		
	FRONT OIL SEALS		
	VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL		
	STANDARD SPINDLE NUTS FOR ALL AXLES		
	AUTOMATIC FRONT SLACK ADJUSTERS		
	STANDARD KING PIN BUSHINGS		
	TRW TAS-85 POWER STEERING		
	POWER STEERING PUMP		
	2 QUART SEE THROUGH POWER STEERING RESERVOIR		
<b>FRONT SUSPENSION</b>	ORGANIC SAE 80/90 FRONT AXLE LUBE		
	16,000# TAPERLEAF FRONT SUSPENSION		
	MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION		
<b>REAR AXLE AND EQUIPMENT</b>	FRONT SHOCK ABSORBERS		
	RS-30-185 30,000# U-SERIES SINGLE REAR AXLE		
	5.86 REAR AXLE RATIO		
	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		
	SPL140HD DANA SPICER MAIN DRIVELINE WITH HALF ROUND YOKES		
	DRIVER CONTROLLED TRACTION DIFFERENTIAL - SINGLE REAR AXLE		
	(1) DRIVER CONTROLLED DIFFERENTIAL LOCK REAR VALVE FOR SINGLE DRIVE AXLE		
	BLLINKING LAMP WITH EACH MODE SWITCH, DIFFERENTIAL UNLOCK WITH IGNITION OFF, ACTIVE < 5 MPH		
	16.5X7 P CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, CAST SHOES		
	NON-ASBESTOS REAR BRAKE LINING		
	BRAKE CAMS AND CHAMBERS ON REAR SIDE OF DRIVE AXLE(S)		
	WEBB CAST IRON REAR BRAKE DRUMS		
	REAR OIL SEALS		
	BENDIX EVERSURE LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS		
	AUTOMATIC REAR SLACK ADJUSTERS		
ORGANIC SAE 80/90 REAR AXLE LUBE			
STANDARD REAR AXLE BREATHER(S)			

Vendor Name \_\_\_\_\_

SECTION	SPECIFICATION DETAIL	COMPLY	
		YES	NO
REAR SUSPENSION	30,000# FLAT LEAF SPRING REAR SUSPENSION WITH HELPER AND RADIUS ROD		
	SPRING SUSPENSION - NO AXLE SPACERS		
	STANDARD AXLE SEATS IN AXLE CLAMP GROUP		
	FORE/AFT CONTROL RODS		
BRAKE SYSTEM	ABS WITH TRACTION CONTROL, WITH ATC OFF-ROAD SWITCH		
	REINFORSED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES		
	FIBER BRAID PARKING BRAKE HOSE		
	STANDARD BRAKE SYSTEM VALVES		
	STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEMS		
	STANDARD U.S. FRONT BRAKE VALVE		
	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONIONG VALVE		
	SYSTEM SAVER HP WITH INTEGRAL AIR GOVERNOR AND HEATER		
	AIR DRYER FRAME MOUNTED		
	ALUMINUM AIR BRAKE RESERVOIRS		
	PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS		
TRAILER CONNECTIONS	AIR CONNECTIONS TO END OF FRAM WITH GLAD HANDS FOR TRUCK AND NO DUST COVERS		
	PRIMARY CONNECTOR/RECEPTACLE WIRED FOR SEPARATE STOP/TURN. ABS CENTER PIN POWERED THROUGH IGNITION		
	SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME		
	UPGRADED CHASSIS MULTIPLEXING UNIT		
WHEELBASE AND FRAME	3900MM (154 INCH) WHEELBASE		
	7/16X3-9/16X11-18 INCH STEEL FRAME (11.11MMX282.6MM/0.437X11.12 INCH) 120KSI		
	1600MM (63 INCH) REAR FRAME OVERHANG		
	84" CA		
	24 INCH INTEGRAL FRONT FRAME EXTENSION		
	SQUARE END OF FRAME		
	FRONT CLOSING CROSSMEMBER		
	LIGHTWEIGHT HEAVY DUTY ALUMINUM ENGINE CROSSMEMBER		
	STANDARD MIDSHIP #1 CROSSMEMBER(S)		
STANDARD REARMOST CROSSMEMBER			
STANDARD SUSPENSION CROSSMEMBER			
CHASSIS EQUIPMENT	14 INCH PAINTED STEEP BUMPER		
	FRONT TOW HOOKS - FRAME MOUNTED		
	BUMPBOR MOUNTING FOR SINGLE LICENSE PLATE		
	GRADE 8 THREADED HEX HEADED FRAME FASTENERS		
FUEL TANKS	50 GALLON/189 LITER RECTANGULAR ALUMINUM FUEL TANK-LH		
	RECTANGULAR FUEL TANK(S)		
	POLISHED ALUMINUM FUEL TANK(S) WITH PAINTED BANDS		
	FUEL TANK(S) FORWARD		
	POLISHED STEP FINISH		
	FUEL TANK CAP(S)		
	FUEL/WATER SEPERATOR WITH 12V HEAT		
	EQUIFLO INBOARD FUEL SYSTEM		
HIGH TEMPERATURE REINFORCED NYLON FUEL LINE			
TIRES	MICHELIN X WORKS Z 315/80R22.5 20 PLY RADIAL FRONT TIRES		
	MICHELIN XDY-S2 315/80R22.5 20 PLY RADIAL REAR TIRES		
HUBS	CONMET PRESET PLUS PREMIUM IRON FRONT HUBS		
	WEBB IRON REAR HUBS		
WHEELS	"ULTRA ONE" 22.5x9.00 10-HUB ALUMINUM DISC FRONT WHEELS		
	"ULTRA ONE" 22.5x9.00 10-HUB ALUMINUM DISC REAR WHEELS		
CAB EXTERIOR	108 INCH BBS FLAT ROOF ALUMINUM CONVENTIONAL CAB		
	AIR CAB MOUNTING		
	NONREMOVEABLE BUGSCREEN MOUNTED BEHIND GRILLE		

Vendor Name \_\_\_\_\_

SECTION	SPECIFICATION DETAIL	COMPLY	
		YES	NO
CAB EXTERIOR (CONT'D)	FRONT FENDERS DET-BACK AXLE		
	LH AND RH GRAB HANDLES		
	STATIONARY BLACK GRILLE WITH BRIGHT ACCENTS		
	BLACK HOOD MOUNTED AIR INTAKE GRILLE		
	FIBERGLASS HOOD		
	SINGLE 14 INCH ROUND POLISHED AIR HORN ROOF MOUNTED		
	SINGLE ELECTRIC HORN		
	SINGLE HORN SHIELD		
	EXTERIOR SUN VISOR		
	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME		
	REAR LICENSE PLATE MOUNT END OF FRAME		
	LED COMPOSITE HEADLAMPS WITH BLACK BEZELS		
	LED AERODYNAMIC MARKER LIGHTS		
	INTEGRAL STOP/TAIL/BACKUP LIGHTS		
	STANDARD FRONT TURN SIGNAL LAMPS		
	DUAL WEST COAST BRIGHT FINISH HEATED MIRRORS WITH LH AND RH REMOTE		
	DOOR MOUNTED MIRRORS		
	102 INCH EQUIPMENT WIDTH		
	LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS		
	RD DOWN VIEW MIRROR		
	RH AND LH 8 INCH STAINLESS STEEL FENDER MOUNTED CONVEX MIRRORS WITH TRIPOD BRACKETS		
	STANDARD SIDE/REAR REFLECTORS		
	POLISHED DIAMOND PLATE EXHAUST COVER		
	63 X 14 INCH TINTED REAR WINDOW		
	TINTED DOOR GLASS LH AND RH WITH TINTED NON-OPERATING WING WINDOWS		
	RH AND LH ELECTRIC POWERED WINDOWS, PASSENGER SWITCHES ON DOOR(S)		
	ELECTRICALLY HEATED TINTED WINDSHIELD		
	8 LITER WINDSHIELD WASHER RESERVOIR, CAB MOUNTED, WITH FLUID LEVEL INDICATOR		
	OPAL GRAY VINYL INTERIOR		
	MOLDED PLASTIC DOOR PANEL		
CAB INTERIOR	BLACK MATS WITH SINGLE INSULATION		
	DASH MOUNTED ASH TRAYS AND LIGHTER		
	FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS WITHOUT NETTING		
	IN-DASH STORAGE BIN		
	(2) CUP HOLDERS LH AND RH DASH		
	GRAY/CHARCOAL FLAT DASH		
	5 LB FIRE EXTINGUISHER		
	HEATER, DEFROSTER, AND AIR CONDITIONER		
	STANDARD HVAC DUCTING		
	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH		
	STANDARD HEATER PLUMBING		
	DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR		
	BINARY CONTROL, R-134A		
	STANDARD INSULATION		
	SOLID-STATE CIRCUIT PROTECTION AND FUSES		
	12V NEGATIVE GROUND ELECTRICAL SYSTEM		
	DOME LIGHT WITH 3-WAY SWITCH ACTIVATED BY LH AND RH DOORS		
	LH AND RH ELECTRIC DOOR LOCKS		
	(1) 12 VOLT POWER SUPPLY IN DASH		
	TRIANGULAR REFLECTORS WITHOUT FLARES		

Vendor Name \_\_\_\_\_

SECTION	SPECIFICATION DETAIL	COMPLY	
		YES	NO
<b>CAB INTERIOR (CONT'D)</b>	BASIC HIGH BACK AIR SUSPENSION DRIVER SEAT WITH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION		
	2 MAN TOOL BOX MID BACK NON SUSPENSION PASSENGER SEAT		
	LH AND RH INTEGRAL DOOR PANEL ARMRESTS		
	BLACK CORDURA PLUS CLOTH DRIVER AND PASSENGER SEAT COVERS		
	BLACK SEAT BELTS		
	ADJUSTABLE TILT AND TELESOPING STEERING COLUMN		
	4-SPOKE 18 INCH (450MM) STEERING WHEEL		
	DRIVER AND PASSENGER INTERIOR SUN VISORS		
<b>INSTRUMENTS AND CONTROLS</b>	GRAY DRIVER INSTRUMENT PANEL		
	GRAY CENTER INSTRUMENT PANEL		
	BLACK GAUGE BEZELS		
	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM		
	2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES		
	INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS		
	NO ELECTRONIC CRUISE CONTROL		
	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY		
	ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED		
	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH		
	2 INCH ELECTRIC FUEL GAUGE		
	PROGRAMMABLE RPM CONTROL - ELECTRONIC ENGINE		
	ELECTRIC ENGINE COOLANT TEMPERATURE GAUGE		
	2 INCH TRANSMISSION OIL TEMPERATURE GAUGE		
	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY		
	CUSTOMER FINISHED AND INSTALLED PTO CONTROLS		
	ELECTRIC ENGINE OIL PRESSURE GAUGE		
	AM/FM/WB WORLD TUNER RADIO WITH BLUETOOTH AND USB AND AUXILIARY INPUTS, J1939		
	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER		
	STANDARD VEHICLE SPEED SENSOR		
	ELECTRONIC 3000 RPM TACHOMETER		
	IDLE LIMITER, ELECTRONIC ENGINE		
	FOUR ON/OFF ROCKER SWITCHES IN DASH WITH INDICATOR LIGHTS AND WIRE ROUTED TO CHASSIS AT BACJK OF CAB, LABEL OPT		
	PRE-LIT LAMP INSPECTION SYSTEM (PRE-CHECKS ALL LAMPS FOR PROPER OPERATION BEFORE TRUCK USE)		
	BW TRACTO PROTECTION BALVE		
	TRAILER HAND CONTROL BRAKE VALVE		
	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY		
	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY AND ARCTIC TYPE BLADES		
	MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH AND CONNECTOR FOR BODY COMPANY SUPPLIED LIGHTS		
	TWO VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR		
SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE			
INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS			
<b>DESIGN</b>	PAINT: ONE SOLID COLOR - WHITE WITH BLACK FRAME		
<b>COLOR</b>	CAB COLOR A: TO TOWN SPECIFICIATIONS		
	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT		
	BUMPER PAINT: FP24812 ARGENT SILBER DUPONT FLEX		

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SECTION	SPECIFICATION DETAIL	COMPLY	
		YES	NO
<b>COLOR (CONT'D)</b>	STANDARD E COAT/UNDERCOATING		
<b>CERTIFICATION/ COMPLIANCE</b>	U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS		
<b>EXTENDED WARRANTY</b>	ENGINE EXTENDED WARRANTY INCLUDING AFTERTREATMENT FOR 5 YEARS/100,000 MILES/161,000 KM		
	EXTENDED TRUCK COVERAGE 5 YEARS/100,000 MILES/161,000KM TO INCLUDE THE FOLLOWING: FRONT SUSPENSION, REAR SUSPENSION, AIR INTAKE SYSTEM, IGNITION SYSTEM, CHARGING SYSTEM, CRANKING SYSTEM, CHARGE AIR COOLER, CLIMATE CONTROL (COVERS COMPLETE HEAT AND AIR CONDITIONING SYSTEM INCLUDING ELECTRICAL COMPONENTS, LINES, WIRITNG, AMBIENT AIR TEMPERATURE SENSOR, AND RECEIVER DRYER), AUXILIARY HVAC SYSTEMS (EXCLUDING BATTERIES), COOLING SYSTEM, DRIVE SHAFTS, BRAKING SYSTEM, WIRING, FUEL SYSTEM, STEERING SYSTEM, EXHAUST SYSTEM, ATS/EMISSIONS, SUPPLEMENTAL INFO DEVICES, CAB & HOOD, INSTRUMENTS & GAUGES, TRANSFER CASE MOUNTS, STARTER AND ALTERNATOR (COVERS STARTER MOTOR, STARTER SOLENOID, ALTERNATOR, AND MOUNTING BRACKETS), DRIVE LINES, CHASSIS WIRING AND CONNECTORS, CHASSIS WIRING AND CONNECTORS, GAUGES & SWITCHES, INTERIOR COMPONENTS, FACTORY INSTALLED ACCESSORIES		
	AXLE : FRONT/SINGLE REAR 5 YEARS/100,000 MILES/161,000 KM EXTENDED AXLE COVERAGE		
	TOWING/ROADSIDE ASSISTANCE: 5 YEARS/UNLIMITED MILES/KM; INDICATE MAXIMUM CHARGE PER OCCURRENCE FOR TOWING TO A QUALIFIED SERVICE CENTER, ENGINE OR TRANSMISSION SUPPLIER SERVICE CENTER \$_____ PER OCCURRENCE.		
<b>STAINLESS STEEL DUMP BODY CROSSMEMBERLESS</b>			
<b>INTENT</b>	IT IS THE INTENT OF THESE SPECIFICATIONS TO DESCRIBE A 6.4-7.7 CUBIC YARD HEAVY-DUTY DUMP BODY WITH A SCISSOR-TYPE HOIST.		
<b>BODY</b>	THE INSIDE OF THE DUMP BODY SHALL BE 10' AND INSIDE WIDTH SHALL BE 84"		
	IT SHALL HAVE A CAPACITY OF 6.4 CUBIC YARDS WITHOUGH SIDEBOARDS		
	THE 10 GA. 304 STAINLESS STEEL SIDES SHALL BE 30" HIGH WITH 6" SIDEBOARD POCKETS CAPABLE OF INCREASING THE TOTAL CAPACITY TO 7.7 CUBIC YARDS		
	THERE SHALL BE 2" X 8" OAK SIDEBOARDS INSTALLED AND PAINTED BLACK		
	THE STRAIGHT VERTICAL SIDES SHALL BE MADE OF 10 GA. 304 STAINLESS STEEL WITH DIRT SHEDDING BOXED TOP RAIL 4-3/8" WIDE BY 4-3/8" HIGH		
	THE DIRT SHEDDING SLOPED TOP RAIL IS TO FOLD BACK 45 DEGREES AT TOP		
	NO SEAM IS TO BE VISIBLE TO THE OUTSIDE OR BOTTOM OF THE TOP RAIL		
	INCLUDING FRONT CORNER POST, THER ARE TO BE A MINIMUM OF THREE VERTICAL GUSSETS		
	THE VERTICAL GUSSETS ARE 6" WIDE AND 3-1/2" DEEP. THE BOTTOM OF THE SIDES SHALL HAVE A 5" 45 DEGREE SLOPED RUB RAIL THAT IS 4-1/2" WIDE		
	THE FULL DEPTH REAR CORNER POST SHALL BE A MINIMUM OF 15" WIDE AND 4" DEEP FULLY WELDED		
<b>TAILGATE</b>	THE FULLY WELDED 6-PANEL TAILGATE SHALL BE ONE PIECE 10 GA. 304 STAINLESS STEEL 36" HIGH AND WILL INCLUDE A STAINLESS STEEL LIFTING RING IN THE EVENT THE TAILGATE IS REMOVED		
	HORIZONTAL BRACING SHALL BE DIRT SHEDDING INCLUDING ROP RAIL WITH FOUR 4" VERTICAL GUSSETS		
	THE 1" STAINLESS STEEL UPPER TAILGATE HINGE SHALL HAVE A MINIMUM 1-1/4" 304 STAILESS STEEL UPPER PIN AND 1-1/4" 304 STAINLESS STEEL LOWER TAILGATE PIN.		
	THE 1/2" LOWER LATCH ASSEMBLY SHALE HAVE 1/2" 304 STAINLESS STEEL LOWER PIN CRADLE		
	THE UPPER TAILGATE HINGE BRACKET SHALL BE INCORPORATED INTO THE REAR CORNER POST		

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SECTION	SPECIFICATION DETAIL	COMPLY	
		YES	NO
<b>TAILGATE (CONT'D)</b>	SLEEVE COVERED 3/8" DIAMETER PROOF COIL CHAINS SHALL BE PROVIDED TO HOOK INTO BANJO EYE BRACKETS WELDED ONTO REAR CORNER POSTS FOR TAILGATE SPREADING		
<b>FRONT HEAD PANEL</b>	THE FRONT HEAD PANEL SHALL BE ONE PIECE 10GA. 304 STAINLESS STEEL PANEL 6" HIGHER THAN THE SIDE HEIGHT		
	A FORMED V BEND WILL BE INCORPORATED THE FULL WIDTH AND PLACED IN THE CENTER OF THE PANEL		
	THE TOP OF THE PANEL SHALL BE FORMED 2-1/2" WIDE AND 1-1/4" DEEP		
<b>FLOOR</b>	THE CROSSMEMBERLESS FLOOR SHALL BE MADE OF 1/4" AR-450 STEEL		
	THE FLOOR SHALL BE SO DESIGNATED AND CONSTRUCTED THAT IT WILL NOT HAVE ANY UNDERBODY CROSSMEMBER BRACING		
	THE FLOOR SHALL BE SUPPORTED BY FORMED 1/3" THICK STEEL TRAPEZOIDAL LONGITUDINALS THAT SPAN THE ENTIRE LENGTH OF THE BODY		
<b>CAB SHIELD</b>	THERE SHALL BE A 1/2 CAB SHIELD SUPPLIED MADE OF 10 GA. 304 STAINLESS STEEL		
	THE 1/2 CAB SHIELD SHALL EXTEND 23" FROM THE FRONT OF THE BODY		
	CABSHIELD SHALL INCLUDE A TOTAL OF (5) AMBER STROBES: (1) ON THE DRIVER'S SIDE, (1) ON THE PASSENGER'S SIDE, (3) ACROSS THE FRONT		
<b>LED BODY LIGHTS</b>	(2) S/T/T/ OVAL LED LIGHTS AND (2) LED AMBER STROBE LIGHTS SHALL BE INSTALLED IN THE REAR CORNER POST		
<b>SUBFRAME</b>	SUBFRAME SHALL BE MADE OF 5/16" STEEL FORMED TO A 6" CHANNEL		
<b>HOIST</b>	HOIST SHALL HAVE A SINGLE CYLINDER WITH DUAL SUPPORT ARMS AND DUAL BODY PROPS		
	THE 8" DIAMETER, 20" STROKE CYLINDER SHALL HAVE A 2-1/2" CHROME PLATED PISTON ROD AND CAPABLE OF BEING USED IN A SINGLE ACTING OR DOUBLE ACTING APPLICATION		
	THE NTEA CLASS 50 RATED HOIST SHALL ENSURE A DUMP ANGLE OF NOT LESS THAN 50 DEGREES AND BE CAPABLE OF OBTAINING A 17 TON LIFT CAPACITY WITH RELIEF VALVE SET AT 1500 PSI		
	THE FRONT AND REAR CROSSMEMBERS OF THE HOIST SHALL BE FULLY GUSSETED		
	THE HEAVY-DUTY 4140 GRADE PLATFORM TYPE REAR HINGES SHALL HAVE REPLACEABLE 1-1/2" PINS		
	HOIST SHALL BE OF A FULLY SOLID WELD CONSTRUCTION		
<b>BACK-UP CAMERA</b>	(2) BACK-UP CAMERAS SHALL BE INSTALLED ON EACH REAR CORNER POST BELOW THE AMBER STROBE LIGHTS, ONE ON EACH CORNER POST. CAMERA MUST BE PROTECTED AGAINST BREAKAGE AND STROBE FLASH		
	CAMERA MONITOR TO BE INSTALLED IN THE CAB OF THE TRUCK AND SHALL BE CAPABLE OF MONITORING UP TO (4) CAMERAS AT A TIME; MONITOR DISPLAY WILL BE A MINIMUM OF 7"		
<b>CUSTOM DESIGNED, TRUCK SNOW PLOW HITCH FOR A TILE HOOD TRUCK CHASSIS</b>			
<b>GENERAL</b>	THESE SPECIFICATIONS ARE INTENDED TO DESCRIBE A LOW MOUNT CUSTOM DESIGNED SNOW PLOW HITCH, DESIGNED TO KEEP THE HITCH AND PLOW AS CLOSE TO THE TRUCK GRILLE AND/OR BUMPER AS POSSIBLE AND ALLOW THE HOOD OF THE INTENDED CHASSIS TO TILT FORWARD FOR ENGINE SERVICE WITHOUT NECESSITATING MOVEMENT OF THE MAIN VERTICAL MEMBERS		
<b>PUSH FRAME AND LIFTING DEVICE</b>	THE HITCH SHALL BE DESIGNED SO THAT THE LIFT ARM AND HYDRAULIC RAM IS CAPABLE OF COLLAPSING AND PINNING TO A STOWAGE POSITION WHEN THE PLOW IS NOT IN USE; THIS DESIGN REQUIREMENT IS TO SHORTEN THE PROTRUSION CAPABILITY OF THE LIFT ARM ARRANGEMENT		
	THE MAIN FRAME SHALL CONSIST OF (2) FORMED CHANNELS OF 3/8" PLATE FOR VERTICAL MEMBERS		
	THE TWO HORIZONTAL MEMBERS SHALL BE 4" X 3" X 5/16" WALL TUBING AND INCORPORATE MOUNTING BRACKETS FOR WORKING AND STORAGE POSITIONS OF THE LIFT ARM AND HYDRAULIC CYLINDER		

Vendor Name \_\_\_\_\_

SECTION	SPECIFICATION DETAIL	COMPLY	
		YES	NO
<b>PUSH FRAME AND LIFTING DEVICE (CONT'D)</b>	THE ATTACHMENT OF THE TRUCK HITCH TO THE TRUCK CHASSIS SHALL BE DESIGNED TO EVENLY TRANSMIT THE SNOW PLOW LOAD TO THE TRUCK FRAME UNDER CONTINUOUS SEVERE SERVICE		
	GRADE 8 CAP SCREWS SHALL BE USED THROUGHOUT		
	THE ATTACHMENT TO THE TRUCK FRAM SHALL BE A CUSTOM SIDE PLATE DESIGN OF 1/2" MATERIAL EXTENDING BACK AS FAR AS PRACTICAL FROM THE FRONT OF THE TRUCK		
	(2) BRACES OF 3" X 2" X 1/2" ANGLE AND MOUNTING BRACKETS SHALL BE INCORPORATED SO AS TO TRANSMIT THRUST FROM THE LOWER PUSH FRAME TO THE UNDERSIDE OF THE CHASSIS FRAME RAILS AT A POINT FORWARD OF THE FRONT AXLE		
<b>PLOW COUPLING DEVICE HITCH SIDE</b>	HYDRAULICS FOR THE PLOW LIFT AND ANGLE SHALL BE LOCATED IN THE STRUCTURE OF THE HITCH		
	A LOCKING DEVICE FOR THE COUPLING OF THE PLOW TO THE TRUCK SHALL BE ATTACHED TO THE PUSH FRAME; IT SHALL BE OF A DESIGN WHICH CAN BE ACCOMODATED BY A TRUCK-MOUNTED TOR-LOK QUICK COUPLER LOCKING DEVICE WITH SECONDARY LOCK		
	THE LOCKING DEVICE SHALL HAVE AN OPENING 3-1/2" X 11-1/2" AT THE FRONT AND 2-1/2" X 10-1/2" AT THE REAR AND BE BEVELED TO ALLOW EASY ENTRANCE OF THE ARROWHEAD		
	(2) STEEL SPRING LOADED LOCKING BLOCKS SHALL BE INSTALLED DIRECTLY BEHIND THE BEVELED OPENING; THE BLOCKS SHALL AUTOMATICALLY CLAMP ABOUT THE ARROWHEAD WHENEVER THE ARROWHEAD ENTERS THE OPENING DURING COUPLING OPERATIONS		
	THE LOCKING DEVICE SHALL BE SO DESIGNED AS TO PERMIT OSCILLATION OF THE SNOW PLOW WHENEVER UNEVEN ROAD CONTOURS ARE ENCOUNTERED		
	A HANDLE SHALL BE SUPPLIED TO UNCLAMP THE LOCKING BLOCKS FORMT HE ARROWHEAD WHENEVER UNCOUPLING OF THE PLOW FROM THE TRUCK IS DESIRED		
	THE HYDRAULIC LIFT RAM SHALL HAVE A 4" BORE, DOUBLE ACTING DESIGN, WITH A HARD CHROME PLATED PISTON ROD		
	PLOW LIGHTS TO BE INSTALLED ON THE HOOD USING LOW PROFILE HEAVY DUTY STAINLESS STEEL BRACKETS AS PER D.O.T. REGULATIONS AND GUIDELINES		
<b>CENTRAL HYDRAULIC SYSTEM</b>			
<b>OPERATOR CONTROLS</b>	HYDRAULIC VALVE TO BE CONTROLLED FROM INSIDE CAB BY REMOTE CABLE CONTROL		
	CABLE SHALL BE OF STAINLESS STEEL CORE WITH NO LESS THAN 100 LBS RATING FOR PUSHING AND PULLING		
	CABLE CONNECTION TO VALVE SPOOL MUST BE ENCLOSED AND SEALED WITH PROTECTIVE BONNET		
	THE CAB CONTROL LEVERS MUST BE CAPABLE OF BEING STACKED AND TIED TOGETHER IN DESIRED ORDER		
<b>PTO AND PUMP</b>	HOT SHIFT PTO SHALL MOUNT DIRECTLY TO THE TRANSMISSION		
	DIRECT MOUNT PTO PUMP		
	TWO-SECTION SPOOL VALVE WITH POWER BEYOND		
	35 GALLON MINIMUM CAPACITY STAINLESS STEEL RESERVOIR		
	RESERVOIR MUST BE DEDICATED		
	SIGHT GAUGE		
	VALVE ENCLOSURE SHALL BE STAINLESS STEEL		
ONE POWER BEYOND TO FEED DUMP VALVE AND MAUNAL DUAL VALVE			
<b>HYDRAULIC LINES</b>	HYDRAULIC LINES FOR SPREADER SHALL RUN DOWN THE LEFT SIDE OF THE BODY WITH CONNECTIONS AT THE REAR		
	ALL HYDRAULIC HARD LINES SHALL BE MADE OF 304 STAINLESS STEEL PIPE, FRONT TO BACK		
<b>ACCESSORIES</b>	STAINLESS STEEL SONE SHIELDS AHEAD OF REAR WHEELS		
	3-RUNG STAINLESS STEEL LADDER		

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SECTION	SPECIFICATION DETAIL	COMPLY	
		YES	NO
<b>ACCESSORIES (CONT'D)</b>	RUBBER MUD FLAPS TO BE INSTALLED BEHIND THE REAR WHEELS USING STAINLESS STEEL FASTENERS AND STAINLESS STEEL MOUNTING BRACKETS		
<b>TOWNING ACCESSORIES</b>	A 10-TON PINTLE HOOK SHALL BE MOUNTED TO A PINTLE HOOK PLTES FABRICATED OF 5/8" STEEL PLATE AT THE REAR OF THE TRUCK FRAME		
	PINTLE HOOK HEIGHT SHALL MEASURE 22" OFF THE GROUND		
	(2) SAFETY CHAIN EYES (D-RINGS) SHALL BE PERMANENTLY ATTACHED TO THE PINTLE HOOK PLATE, ONE ON EACH SIDE OF THE PINTLE HOOK		
	WEATHER PROOF (7_ PRING MALE AND FEMAIL TRILER LIGHT PLUGS SHALL BE INSTALLED IN THE REAR CROSSMEMBER WITH THE FEMAIL WIRED AND THE MALE SUPPLIED; FLAT AND ROUND		
	ELECTRONIC TRAILER BRAKE CONTROLLER SHALL BE INSTALLED AND MOUNTED INSIDE OF THE CAB		
<b>TARP SYSTEM</b>	A WINDOW SHADE STYLE TARP SHALL BE MOUNTED TO THE FRONT OF THE BODY		
	HEAVY DUTY MESH, PVC COATED POLYESTER TARP TO BE SUPPLIED WITH TARP SYSTEM FOR DURABILITY AND LONGER LIFE		
<b>10' REVERSABLE PLOW</b>			
<b>GENERAL</b>	THESE SPECIFICATIONS ARE INTENDED TO DESCRIBE A REVERSIBLE TRIP BLADE SNOW PLOW; PLOW MUST BE HYDRAULICALLY REVERSIBLE FOR RIGHT AND LEFT HAND DISCHARGE OF SNOW AND MUST INCLUDE A COMPRESSION SPRING TYPE SAFETY TRIP MECHANISM, A MINIMUM OF 10 FEET LONG AND 36 INCHES HIGH		
<b>MOLDBOARD ASSEMBLY</b>	THE MOLDBOARD SHALL BE SMOOTH ROLLED TO ENSURE EASE OF SNOW DISCHARGE AND MANUFACTURED FROM 3/16" THICK STEEL SHEET		
	THE MOLDBOARD SHALL BE ROLLED WITH A MINIMUM RADIUS OF 16 INCES AND MUST INCLUDE AN INTEGRALLY FROMED TOP REINFORCEMENT CHANNEL APPROX. 1-1/4" X 2-1/2" IN SIZE		
	THE TOP LEADING EDGE OF THE MOLDBOARD SHALL BE DESIGNED AS AN INTEGRAL DEFLECTOR WHICH EXTENDS NO LESS THAN 8 INCHES IN FRONT OF THE CUTTING EDGE IN THE NORMAL PLOWING POSITION		
	THE MOLDBOARD , WITH THE CUTTING EDGE INSTALLED, SHALL BE NO LESS THAN 36 INCHES HIGH AND 120 INCHES LONG		
<b>MOLDBOARD REINFORCEMENT</b>	THE MOLDBOARD IS TO BE REINFORCED WITH NO LESS THAN (5) 1/2" X 3" ONE PIECE VERTICAL RIBS		
	ALL RIBS ARE TO EXTEND FROM THE LOWER FORMED BOX SECTION, TO BE INTEGRALLY FORMED TOP REINFORCEMENT CHANNEL		
	ALL RIBS TO BE INTERMITTENTLY SKIP WELDED TO THE MOLDBOARD SHEET		
	THE TWO OUTERMOST RIBS SHALL BE LOCATED APPROXIMATELY 1/3" IN FROM EACH END OF THE MOLDBOARD, AND BE DESIGNED TO CAP OFF EACH END OF THE LOWER FORMED BOX SECTION		
	THE TWO INNER RIBS SHALL BE LOCATED NO LESS THAN 44 INCHES OFF THE CENTERLINE OF THE MOLDBOARD		
	THESE RIBS SHALL INCORPORATE RETURN STOPS TO ENSURE THAT THE MOLDBOARD RETURNS TO THE ORIGINAL PLOWING POSITION AFTER TRIPPING		
	THE LAST RIB SHALL BE LOCATED DIRECTLY IN THE CNETER OF THE MOLDBOARD		
	THE CENTER RIB AND TWO INNER RIBS MUST BE ALIGNED DIRECTLY WITH THE THREE PUSH FRAME HINGE POINTS TO ENSURE EVEN DISTRIBUTION OF PLOWING FORCES		
	THE PUSH FRAME CONNECTIONS EARS ON THE MOLDBOARD SHALL BE MANUFACTURED FROM 1 INCH THICK STEEL PLATE; THESE EARS SHALL BE DRILLED TO ACCEPT A 1-7/16" DIAMETER PIN. THE BOTTOM OF THE MOLDBOARD SHALL BE REINFORCED BY A ONE PIECE FORMED AND DIMPLED BOX SECTION		
	THE BOX SECTION SHALL BE MADE FROM 5/16" THICK EX-TEN 50 STEEL PLATE		
	THE BOX SECTION SHALL BE BRAKE PRESS DIMPLED AT EACH BOLT HOLE		
BOTH THE BOX SECTION AND THE MOLDBOARD SHALL BE PUNCHED WITH 11/16" HOLES IN ACCORDANCE WITH AASHO SPECIFICATIONS			
THE ANGLE OF THE CUTTING EDGE WHEN INSTALLED ON THE PLOW AND IN THE PLOWING POSITION SHALL BE LAID BACK 34 DEGREES FROM THE VERTICAL			

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SECTION	SPECIFICATION DETAIL	COMPLY	
		YES	NO
<b>MOLDBOARD REINFORCEMENT (CONT'D)</b>	A 1/2" X 6" HIGH CARBON STEEL CUTTING EDGE SHALL BE FURNISHED AND INSTALLED		
<b>SAFETY TRIP</b>	THERE SHALL BE (4) 4-1/2" DIAMETER X 18" LENGTH X 5/8" DIAMETER WIRE HEAVY DUTY, SELF-CLEANING, ADJUSTABLE COMPRESSION SPRINGS FOR FAST, POSITIVE FULL MOLDBOARD TRIP TO PROTECT THE PLOW FROM OBSTRUCTIONS		
	THERE SHALL ALSO BE (2) 2-3/8" DIAMETER X 12-1/2" LENGTH X 1/2" DIAMETER WIRE TRIP LIMIT SPRINGS POSITIONS INSIDE TRIP SPRINGS TO PRECENT DAMAGE TO THE TOP OF THE MOLDBOARD		
<b>REVERSING PUSHFRAME ASSEMBLY</b>	THE PUSHFRAME ASSEMBLY SHALL BE COMPRISED OF A FRONT PUSH BEAM MANUFACTURED FROM 5/16" EX-TEN 50 STEEL PLATE AND FORMED INTO A 5-14" CHANNEL SECTION; THIS BEAM SHALL INCORPORATE (2) TRIP SPRING V-BOLT ANCHORS AND HAVE INTEGRAL VERTICAL FLANGES FOR SHOE AND/OR CASTER MOUNTING		
	(3) SETS OF CLEVIS EARS SHALL BE WELDED ON THE FRONT OF THE PUSH BEAM TO ACCEPT THE MOLDBOARD ASSEMBLY; THESE EARS SHALL BE 3/4" THICK AND BE DRILLED WITH A 1-1/2" DIAMETER HOLE		
	THE REVERSING FRAME PIVOT SHALL BE LOCATED DIRECTLY IN THE CENTER OF THE FRONT PUSH BEAM		
	(2) 3/4" THICK STEEL FISH PLATES WITH 3/8" THICK BOSSES SHALL BE WELDED ON THE TOP AND BOTTOM OF THE PUSH BEAM IN THE AREA OF THE REVERSING BOLT; THE PLATES AND WELDED BOSSES SHALL BE DRILLED TO ACCEPT A 1-1/2" DIAMETER REVERSING BOLT		
	THE FRONT PUSH PEAM SHALL BE WELDED TO A FORMED 6" X 4" X 1/2" ANGLE IRON SEMI-CIRCLE; THE SEMI-CIRCLE SHALL INCLUDE WELDED ANGLE IRON REVERSING STOPS THAT ALLOW THE PLOW TO ANGLE TO 42 DEGREES LEFT AND RIGHT		
	HYDRAULIC REVERSE CONTROLLED FROM CAB TO ANY ANGLE 42 DEGREES RIGHT OR LEFT		
	THE POWER REVERSE MECHANISM SHALL CONSIST OF TWO DOUBLE ACTING 4" CYLINDERS WITH 18" STROKE WIH COMMON CENTER MOUNTING		
<b>A-FRAME AND OSCILLATING ASSEMBLY/QUICK COUPLER DEVICE</b>	THE CYLINDER SHAFTS SHALL BE ATTACHED TO THE EXTREME ENDS OF THE REVERSING FRAME TO HOLD THE MODBOARD AT CORRECT ANGLE DURING PLOWING OPERATION		
	AN A-FRAME TALBLE FORMED OUT OF TWO 5/16" EX-TEN 50 PLATES SHALL BE ASSEMBLED TO THE REVERSING FRAME		
	THESE PLATES SHALL BE FORMED INTO TRIANGULAR SHAPPED CHANNEL SECTIONS		
	THE FRONT OF THE A-FRAME SHALL HAVE A VERTICALLY WELDED 2-1/4" o.d. X 1/2" WALL TUBE		
	THIS END OF THE A-FRAME SHALL FIT BETWEEN THE 5-1/4" FORMED SECTION OF THE REVERSING FRAME FRONT PUSH BEAM		
	IT SHALL BE FASTENED TO THE BEAM WITH A 1-1/4" X 9-1/2" LONG GRADE 8 HEX-HEAD SCREW, FLAT WASHERS, AND AN ELASTIC STOP NUT		
	THE A-FRAME SHALL BE FITTED WITH A CABLE SHEAVE LIFT ARRANGEMENT WHICH SHALL ACCOMMODATE PLOW REVERSING OPERATIONS WITH THE PLOW EITHER ON THE GROUND OR AT THE CARRY POSITION		
	THIS ARRANGEMENT SHALL BE OF A DESIGN WHICH PROHIBITS PLOW LIST WHEN THE MOLDBOARD IS ANGLED IN THE CARRY POSITION		
	THE OPPOSITE END OF THE A-FRAME TABLE SHALL BE CLOSED OFF BY A WELDED REAR MAIN SECTION 1" X 5" PLATE		
	THE CENTER OF THE PLATE SHALL BE DERILLED TO ACCEPT A 1-1/4" DIAMETER OSCILLATING BOLT		
THE OSCILLATING ASSEMBLY SHALL BE A FORMED CHANNEDL SECTION MANUFACTURED FROM 1/2" THICK EX-TEN 50 STEEL PLATE			

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SECTION	SPECIFICATION DETAIL	COMPLY	
		YES	NO
<b>A-FRAME AND OSCILLATING ASSEMBLY/QUICK COUPLER DEVICE (CONT'D)</b>	THERE SHALL BE (2) 1" THICK, 8" LONG ADJUSTABLE PUSH PLATES ON 30-1/2" CENTERS BOLTED TO THE OSCILLATING WELDMENT		
	SHALL BE OF A DESIGN WHICH CAN BE ACCOMMODATED BY A TRUCK MOUNTED TOK-LOK QUICK COUPLER LOCKING DEVICE WITH SECONDARY LOCK		
	IT SHALL CONSIST OF AN ANGLE WELDMENT WHICH INCLUDES AN ANGLE DRIVE BAR FITTED WITH ATTACHMENT EARS AND MALE ARROWHEAD SHAPED COUPLER		
	THE WELDMENT SHALL PIN DIRECTLY TO THE REAR OF THE RIVE FRAME; THE ARROWHEAD SHALL BE FROM 1" THICK PLATE, 4-3/4" WIDE AT ITS NECK, 10" WIDE AT ITS EXTREMITY AND 12-1/4" IN OVERALL LENGTH		
<b>PAINT</b>	INDIVIDUAL COMPLETED SECTIONS OF THE PLOW ASSEMBLY SHOULD BE SHOT BLASTED, CLEANED, AND PRIMED WITH "LOW VOC" (FREE OF CHROMATES AND LEAD) YELLOW OXIDE PRIMER PRIOR TO FINISH PAINT		
<b>SPRAY GUARD</b>	SHALL BOLT TO THE TOP MOLDBOARD FLANGE OR REINFORCEMENT		
	IT SHALL CONSIST OF A 2" WIDE X 3/8" THICK RUBBER BELT, METAL RETAINING STRAP AND NECESSARY MOUNTING HARDWARE		
<b>CURB SHOE</b>	CURBSIDE CURB SHOES SHALL BOLT AT THE CUTTING EDGE FACE AND SHALL PROJECT 1" OUTSIDE EACH END OF THE CUTTING EDGE		
<b>CUTTING EDGE</b>	STANDARD AASHO PUNCHINGS TO ACCOMMODATE <b>DUAL</b> 5/8" X 8" STANDARD HIGH CARBON STEEL CUTTING EDGE		
<b>10' SELF-CONTAINED HEAVY DUTY 304 STAINLESS STEEL HOPPER TYPE SPREADER</b>			
<b>GENERAL</b>	THE SPREADER SHALL BE A CURRENT DESIGN AND PRODUCTION OF A HEAVY-DUTY, SELF-CONTAINED, HOPPER-TYPE DESIGN, CONSISTING OF A 304-2B STAINLESS STEEL BODY, FEED CONVEYOR, SPINNER DISC, POWER DRIVE, AND ALL COMPONENTS NECESSARY TO MAKE A COMPLETE OPERATING UNIT. IT SHALL BE CAPABLE OF UNIFORMLY SPREADING DE-ICING CHEMICALS, SAND, CINDERS, OR MIXTURES OF EACH UP TO A WIDTH OF 40 FEET		
	ALL SHEET STEEL GAUGES AND BAR STOCK SIZED LISTED WILL CONFORM TO ASTM STANDARDS		
<b>BODY</b>	THE SPREADER HOPPER (SIDES, END GATES, AND STAKES) SHALL BE CONSTRUCTED OF NO LESS THAN 12 GA. 304-2B STAINLESS STEEL		
	THE HOPPER BODY LENGTH SHALL NOT BE GRATER THAN 10 FEET WITH LONGITUDINALS EXTENDING ONE FOOT BEYOND FOR MOUNTING THE SPINNER ASSEMBLY		
	THE BODY SHALL BE OF AN ALL WELDED STEEL CONSTRUCTION AND NOT LESS THAN 5.2 CUBIC YARDS STRUCK CAPACITY		
	THE HOPPER SHALL NOT BE GREATER THAN 82" WIDE WITH A BODY SIDE HEIGHT NOT TO EXCEED 50"		
	THE BODY SIDES SHALL HAVE NOT LESS THAN 45 DEGREE PITCH TO INSURE FREE FLOW OF MATERIAL TO THE CONVEYOR		
	BOTH FRONT AND REAR END GATES SHALL BE TAPERED 23 DEGREES TO RELIEVE PRESSURE ON THE CONVEYOR		
	TO ADD TO THE RIGIDITY OF THE BODY, THE UPPER EDGE OF EACH SIDE SHEET AND END GATE SHALL BE CHANNEL FORMED TO A DIMENSION OF 2-1/4" X 1-1/8" FOR ADDITIONAL SUPPORT		
	THE LOWER PORTION OF EACH SIDE SHEET SHALL BE IN CONTACT WITH THE LONGITUDINAL SILLS FOR THE ENTIRE LENGTH OF THE SILLS TO PROVIDE ADDITIONAL RIGIDITY TO THE BODY AS WELL AS ADDITION SUPPORT FO THE SPINNER ASSEMBLY		
THE BODY LONGITUDINAL SILLS SHALL BE A MINIMUM OF 10 GA 304-2B STAINLESS STEEL WITH THE BOTTOM LONGITUDINAL FLANGESSUPPORTED ON FORMED 7-GAUGE 304 STAINLESS 3" X 1-1/2" X 7 GA 304 STAINLESS, RECTANGULAR TUBING CROSS SILLS			

Vendor Name \_\_\_\_\_

SECTION	SPECIFICATION DETAIL	COMPLY	
		YES	NO
BODY (CONT'D)	A MINIMUM OF (4) 12-GAUGE 304 STAINLESS STEEL BODY SUPPORTS ARE REQUIRED ON EACH SIDE TO RIGIDLY TIE THE RECTANGULAR TUBE CROSS SILLS TO BOTH THE LONGITUDINAL SILL AND BODY SIDE SHEETS TO PROVIDE THE HIGHEST DEGREE OF RESISTANCE TO WARPING OR TWISTING UNDER HEAVY LOADS		
	A LIFTING LOOP CONSTRUCTED FROM 3/4" 304 STAINLESS ROUND MATERIAL SHALL BE AT EACH CORNER OF THE BODY		
	WELDING PROCEDURES FOR THIS BODY SHALL PROVIDE FOR FULL WELDING OF THE SIDE SHEETS TO THE END GATES ON THE OUTSIDE OF THE BODY, FULL WELDING OF THE SIDE SHEETS TO THE BODY LONGITUDINALS ON THE OUTSIDE OF THE BODY, AND FULL WELDING OF THE SIDE SUPPORTS TO THE SIDE SHEETS, LONGITUDINALS AND CROSS SILLS ON ONE SIDE; THE LIFTING LOOPS SHALL ALSO BE FULLY WELDED TO THE END GATES		
	THE PRACTICE OF SKIP WELDING ANY OF THE AFOREMENTIONED COMPONENTS TO ANOTHER WILL NOT BE CONSIDERED		
	AT THE REAR OF THE HOPPER BODY, A FEED GATE OPENING OF NO LESS THAN 12" HIGH BY 18" WIDE SHALL BE PROVIDED		
	A FEED GATE OF NO LESS THAN 12 GA. 304-2B STAINLESS STEEL AND RUNNING IN SELF CLEANING, HEAVY-DUTY, REPLACEABLE STAINLESS STEEL FEED GATE SLIDES WILL BE PROVIDED TO ACCURATELY REGULATE THE AMOUNT OF MATERIALS EXITING TO THE SPINNER DISC		
	ADJUSTMENT OF THIS FEED GATE SHALL BE CONTROLLED THROUGH A SCREW-TYPE JACK WITH A MINIMUM RATING OF 135 FOOT POUNDS OF TORQUE		
	A CURB SIDE OPERATED HANDLE CONNECTED TO THE JACK BY A STAINLESS STEEL U-JOINT RATED AT NO LESS THAN 250 FOOT POUND OF TORQUE WILL BE PROVIDED		
	A FEED GATE INDICATOR AND RULER SHALL BE PROVIDED TO PROVIDE ACCURATE CALIBRATION OF THE MATERIAL FLOW		
	THE OVERALL WIDTH OF THE CONVEYOR SYSTEM SHALL BE NOT LESS THAN 24"		
CONVEYOR	THE CONVEYOR BOTTOM SHALL BE A MINIMUM OF 10 GA. 304-2B STAINLESS STEEL, FLANGE-TYPE CONSTRUCTION, AND ADEQUATELY BRACED WITH 1/3" X 1-1/2" BARS ON 12" CENTERS TO PROVIDE RIGIDITY TO THE CONVEYOR CHAIN FLOOR		
	THE CONVEYOR BOTTOM WILL BE CONSIDERED AS REPLACEABLE WITH THE FLANGED SECTION OF THE BOTTOM PANEL BOLTED TO THE LONGITUDINAL SILLS WITH STAINLESS HARDWARE POSITIONED EVERY 12" FOR THE LENGTH OF THE BOTTOM PANEL		
	THERE SHALL BE FORMED ROLLED LIPS SUPPLIED AT BOTH THE FRONT AND REAR OF THE BOTTOM PANEL		
	THE LONGITUDINALS SILLS SHALL BE EQUIPPED WITH REPLACEABLE CHAIN SHIELDS CONSTRUCTED FROM 12 GA. 304-2B STAINLESS STEEL		
	A REPLACEABLE WIPER BELT WILL BE PROVIDED, ON THE REAR LIP, TO ASSIST IN THE PREVENTION OF MATERIAL CARRY BACK		
	THE CONVEYOR GEARBOX SHALL HAVE A 6:1 REDUCTION AND BE OF THE SPUR GEAR TYPE HAVING ALUMINUM ALLOY HOUSING WITH A REMOVABLE "BOLT-ON" TORQUE ARM MOUNT		
	THE CONVEYOR HYDRAULIC MOTOR SHALL BE OF THE ORBITAL, LOW SPEED, HIGH-TORQUE TYPE, INTEGRALLY MOUNTED TO THE CONVEYOR GEARBOX; THIS MOTOR SHALL BE EQUIPPED WITH AN INTEGRAL SPEED SENSOR		
	CONVEYOR DRIVE SPROCKETS SHALL BE 8-TOOTH, DROP FORGED STEEL, KEYED TO A 2" DIAMETER (MINIMUM) C-1045 SHAFT		
THE DRIVE BEARINGS, ONE EACH SIDE, SHALL BE A HEAVY-DUTY, DUST SEALED, SELF ALIGNING, FOUR-BOLT FLANGE EQUIPPED WITH A GREASE FITTING			

Vendor Name \_\_\_\_\_

SECTION	SPECIFICATION DETAIL	COMPLY	
		YES	NO
<b>CONVEYOR (CONT'D)</b>	THE DRIVE SHAFT BEARINGS SHALL NOT BE BOLTED TO THE LONGITUDINAL SILLS BUT HELD INTO POSITION BY HEAVY-DUTY BEARING RETAINERS, WHICH SHALL ALLOW FOR EASE IN REPLACEMENT OF THE BEARINGS WITHOUT NEED TO REMOVE THE CONVEYOR CHAIN OR REMOVE BOLTS THROUGH THE LONGITUDINAL SILLS		
	THE IDLER SPROCKETS SHALL BE 8-TOOTH, DROP FORGED STEEL, KEYED, AND MOUNTED TO NOT LESS THAN A 1-1/2" C-1045 SHAFT		
	THE IDLER BEARINGS SHALL BE AN ACTUAL "TAKE UP" DESIGN. CAPABLE OF BEING LUBRICATED, AND MOUNTED INTO A SCREW-TYPE, POSITIVE ADJUSTMENT, SELF-CLEANING FIXTURE WITH 4" (MINIMUM) OF FULL TRAVEL FOR PROPER TENSION AT ALL TIMES		
	IDLER BEARINGS SHALL BE EQUIPPED WITH EXTENDED TUBING AND HOSE THAT ALLOW THE BEARINGS TO BE GREASED AT THE REAR OF THE SPREADER		
	FLANGE OR PILLOW BLOCK BEARINGS USED FOR THE PURPOSE OF CHAIN ADJUSTMENT WILL NOT BE ACCEPTED		
<b>STAINLESS STEEL DRIVELINE TYPE/TOP MOUNT MOTOR</b>	THE DISTRIBUTOR DISC SHALL BE 20" DIAMETER, POLYURETHANE TYPE, AND EQUIPPED WITH (6) RADIAL FORMED FINS		
	MATERIAL SHALL BE GUIDED FROM THE CONVEYOR END TO THE DISTRIBUTOR DISC THROUGH A FULLY ENCLOSED CHUTE CONSTRUCTED FROM CARBON STEEL		
	THE SPINNER CHUTE IS TO BE VERTICALLY ADJUSTABLE 12", PROVIDING A 20" TO 32" SPINNER POSITION IN 3" INCREMENTS, BELOW THE MOUNTING SURFACE		
	(2) 12 GA. 304 STAINLESS STEEL ADJUSTABLE FLOW DEFLECTORS TO ADJUST THE PLACEMENT OF MATERIAL WILL BE PROVIDED; THESE INTERNAL DEFLECTORS SHALL BE ADJUSTABLE WITHOUT THE USE OF TOOLS		
	THE SPINNER SHALL BE EQUIPPED WITH STAINLESS STEEL BAFFLES TO CONTROL THE DIRECTION AND WIDTH OF MATERIAL BEING SPREAD; THESE BAFFLES SHALL BE LOCATED IN THE FRONT, REAR, AND ON BOTH SIDES OF THE SPINNER DISC		
	THE FRONT BAFFLE SHALL BE FIXED POSITION AND EXTEND OUT TO THE RIGHT AND LEFT OF THE SPINNER DISC AT THE DISTANCE PROPER TO PREVENT MATERIAL FROM STRIKING THE UNDERSIDE OF THE OPERATING CHASSIS		
	THESE BAFFLES ARE TO BE EQUIPPED WITH FLEXIBLE RUBBER CORNER SHIELDS OF A DESIGN THAT WILL PROHIBIT MATERIAL FROM COMING INTO CONTACT WITH THE UNDERSIDE OF THE TRUCK CHASSIS OR THE FRONT END OF A TRAILING VEHICLE		
	ADJUSTMENT OF ALL BAFFLES SHALL BE ACCOMPLISHED WITHOUT THE USE OF TOOLS		
	THE SPINNER DRIVE LINE SHALL BE EQUIPPED WITH A MOTOR MOUNTED ON THE TOP OF THE SPINNER CHUTE WITH A TELESCOPIC SHAFT COUPLED TO A SOLID SHAFT MOUNTED IN TWO SEALED AND SHIELDED PILLOW BLOCK BEARINGS THAT SUPPORT THE DISTRIBUTOR DISC		
	THE SPINNER SHALL BE EQUIPPED TO SWING UP TO ALLOW FOR UNIT STORAGE OR DISCHARGING MATERIAL WITHOUT HAVING MATERIAL FLOW THROUGH THE SPINNER CHUTE		
	TRIANGLE "SLOW MOVING VEHICLE" SIGN SHALL BE INSTALLED ON THE REAR OF THE SPINNER CHUTE		
	A CUSTOM HEAVY DUTY CARBON STEEL BUMPER CONSTRUCTED OF BOX TUBING SHALL PROTECT THE SPINNER ASSEMBLY FROM DAMAGE		
	WHITE REFLECTIVE CONSPICUITY TAPE SHALL BE INSTALLED ON THE REAR OF THE HEAVY DUTY STEEL SPINNER BUMPER		
<b>PAINT</b>	ALL COMPONENTS ARE TO BE INDIVIDUALLY CLEANED WITH AN IRON PHOSPHATE TREATMENT PRIOR TO ASSEMBLY OF THE UNIT; UPON COMPLETION OF THE CLEANING PROCESS, ALL NON-STAINLESS STEEL COMPONENTS ARE TO BE PRIMED AND FINISH COATED WITH A PLURAL-COMPONENT URETHANE FINISH COAT IN BLACK; FINALLY, ALL PAINTED COMPONENTS ARE TO BE OVEN CURED AND COMPLETELY ASSEMBLED		

Vendor Name \_\_\_\_\_

SECTION	SPECIFICATION DETAIL	COMPLY	
		YES	NO
<b>CONVEYOR #2 PINTLE</b>	THE CONVEYOR SYSTEM SHALL BE OF THE CHAIN BAR FLIGHT TYPE RUNNING LONGITUDINALLY WITH THE BODY, FEEDING MATERIALS TO THE DISTRIBUTOR DISC		
	THE OVERALL WIDTH OF THE CONVEYOR SYSTEM SHALL BE NOT LESS THAN 24"		
	THE CONVEYOR CHAINS SHALL BE PINTLE, 2-1/4" PITCH, AND HEAT-TREATED FORMED LINKS WITH LOCKED NON-TURNING PINS. THE TENSILE STRENGTH SHALL BE 21,000 POUNDS PER STRAND		
	CHAIN BAR FLIGHTS SHALL HAVE A CROSS SECTION OF 3/8" X 1-1/2" AND BE WELDED ON BOTH THE TOP AND BOTTOM OF EACH BAR. EACH BAR SHOULD BE LOCATED ON APPROXIMATELY 4-1/2" CENTERS		
	12 GA. 304 STAINLESS "BOLT IN" REPLACEABLE CONVEYOR CHAIN SHIELDS, PROPERLY FORMED AND OF SUFFICIENT STRENGTH TO RESIST BINDING, SHALL BE PROVIDED		
<b>INVERTED "V"</b>	A HEIGHT ADJUSTABLE 12 GA 304 STAINLESS STEEL INVERTED "V" STEEL SHIELD SUPPORTED FROM A MINIMUM OF TWO VERTICAL POSITIONS SHALL BE PROVIDED TO REDUCE THE LOAD PRESSURE ON THE CONVEYOR. THIS "V" SHALL BE DESIGNED TO ALLOW A SWINGING MOTION TO ELIMINATE MATERIAL BRIDGING WHILE PROTECTING THE CONVEYOR FROM EXCESSIVE LOAD PRESSURE		
<b>OILER</b>	FOR LUBRICATING EACH SIDE OF THE CONVEYOR CHAIN; 2-QUART CAPACITY OIL TANK; PETCOCK TURNS FLOW OF OIL OFF AND ON; TANK SHALL BE POSITIONED AT BODY REAR FOR EASY ACCESS		
<b>TOP SCREENS</b>	SECTIONAL SCREENS WITH MAXIMUM LENGTH PER SECTION OF 6 FEET SHALL BE HINGED TO A 6" X 9.0LB I-BEAM RUNNING LONGITUDINALLY THE FULL LENGTH OF THE SPREADER HOPPER; THE SCREE SECTIONS ARE TO HAVE 3/8" DIAMETER ROD WELDED TO A 1/4" X 2" ANGLE FRAME FORMING 2-3/8" X 2-1/2" OPENINGS; AT THE OUTER MOST EDGE OF THE SCREENS, ALONG THE SIDE SHEETS OF THE BODY, THE SCREENS SHALL NEST INTO THE BODY; THIS NESTING WILL LOCK THE SCREENS FROM MOVEMENT; EACH SCREEN SECTION SHALL BE HELD TO THE I-BEAM BY A MINIMUM OF (2) 5/8" DIAMETER HINGE PINS		
<b>DUMP BODY MOUNT</b>	THE MOUNTING KIT IS TO INCLUDE (4) SCREW-ADJUSTABLE HOLD-DOWN CLAMPS WITH SLEEVE COVERED CHAINS, MOUNTING BRACKETS, AND HARDWARE TO ATTACH TO A DUMP BODY.		
	A TAILGATE LATCH DEVICE MANUFACTURED FROM 3" X 4.1LB CHANNEL WITH 1-1/2" DIAMETER PINS WELDED AT EACH END AND FASTENED TO THE BODY SILLS THROUGH INCLUDED BRACKETS		
	THE PINS ARE LOCKED INTO PLACE BY THE DUMP BODY TAILGATE LATCH		
<b>ZIEBART RUST PROTECTION OR EQUAL</b>	PRODUCT DESCRIPTION - ZIEBART CHASSIS FRAME RAILS SEALANT PROTECTION PACKAGE SEALANT SHALL PROTECT AGAINST ROAD DAMAGE AND RUST; SHALL REDUCE VIBRATION AND INSULATE UNDERBODY FROM HEAT AND ROAD NOISE; SHALL REMOVE PENETRATE AND PROTECT SEAMS AND SPOT WELD		
	SEALANT SHALL MEET FEDERAL AND MILITARY SEALANT SPECIFICATIONS MIL-C-62218		
	SEALANT SHALL COMPLY WITH FEDERAL STANDARD 296E		
	SEALANT SHALL BE IMPERVIOUS TO WATER, SALT AND MUD		
	SEALANT SHALL BE APPLIED TO CHASSIS FRAME RAILS		
	COATING MUST BE APPLIED BY A CERTIFIED APPLICATOR IN ORDER TO QUALIFY FOR 10-YEAR WARRANTY		
	WARRANTY PAPERWORK MUST BE SUBMITTED AT TIME OF BID		

#### IV. General Bid Specifications

##### **Bid Form**

Each bid shall be submitted on the required Bid Sheet; Exceptions to Specifications, Bidder Qualifications, Non-Collusive Bidding Certificate and Iran Divestment Act Certification must be submitted with each bid and must be signed by the same individual entering the bid. All bids or bidders not adhering to any of the requirements herein may be rejected.

**Inspection:** The Town reserves the right and shall be at liberty to inspect the chassis and all equipment and shall have the right to reject the chassis, equipment, all materials and workmanship which do not conform to the specification provided; however, the Town is under no duty to make such inspection. If the inspection indicates that repairs are necessary for the intended use of the chassis by the town, the bidder may be offered the option to perform the repairs at the bidder's expense prior to the purchase of the chassis by the Town. The Town's judgment of required repairs is not subject to negotiation or challenge.

Prior to delivery, the chassis and equipment shall be completely serviced as necessary to assure proper operation and function.

All parts or attachments not specifically mentioned but necessary to complete the chassis must be furnished and must conform to the highest standards of quality of material and workmanship provided in good engineering practice and intended in these specifications. The chassis will be judged on stability and safety, ability to carry out Town's present operations, ease of operation and maintenance, price and delivery date. These specifications shall be considered minimum unless otherwise stated. All variations from the stated specification must be clearly noted on the Bid Proposal.

Final inspection and acceptance of the chassis and equipment for conformity with the specifications shall be made by the Town Highway Superintendent or such designated representative of said Town Highway Department.

**Delivery:** The delivery date or term within which the proposed item(s) will be delivered shall be stated in the space provided under Delivery Information. Failure by the successful seller to notify the Town of Riverhead immediately of any delivery beyond the stated date or terms is cause for him to be held responsible for damages incurred as a result of an extended delivery time.

All equipment/material, spare parts and supplies shall be delivered F.O.B. destination, delivery charges prepaid and added, to the following location, unless otherwise indicated on the Bid Sheet labeled "V. Bid Sheet".

**Material and Equipment Specified by Name:** Whenever any material or equipment is specified by patent or proprietary name or by the name of the manufacturer, unless stated differently, such specification shall be considered as if followed by the words "or acceptable equal", whether or not such words appear. The seller may offer material or equipment with equal or better qualities and performance in substitution for those

VENDOR NAME \_\_\_\_\_

specified which he considers would be in the Town's interest to accept. No verbal offers for substitution will be acknowledged or considered from sellers, distributors, manufacturers or subcontractors. Any such offers shall be made in writing to the Highway Superintendent for his consideration with the submission of the proposal and the seller shall include sufficient data which, together with any other data the Town may require, will enable the Town to assess the acceptability of the material or equipment. Such acceptance by the Town shall not relieve the seller from full responsibility from the efficiency and quality and performance of the substitute material or equipment, in the same manner and degree as the material and equipment specified by name.

It should be understood that specifying a brand name, components and/or equipment in these specifications shall not relieve the seller from full responsibility to produce the products in accordance with the performance warranty and contractual requirements. The seller is responsible for notifying the Town of any inappropriate brand name, component and/or equipment that may be called for in the specifications, and to propose a suitable substitute for consideration.

**Bid Postponement and Amendment:** The Town of Riverhead reserves the right to revise or amend the specifications up to the time set for opening the bids. Such revisions and amendments, if any, shall be announced by amendments to this solicitation. Copies of such amendments shall be furnished to all prospective sellers. Prospective sellers are defined as those sellers listed on the Town's bids list for this material, or who have obtained bid documents subsequent to the bid advertisement. If the revisions and amendments require changes in quantities or prices proposed, or both, the date set for opening bids may be postponed by such number of days as in the opinion of the Town shall enable sellers to revise their bids. In any case, the bid opening shall be at least two (2) working days after the last amendment, and the amendment shall include an announcement of the new date, if applicable, for the opening of bids.

**Single Bid Response:** If only one bid is received in response to the invitation for bids, a detailed cost proposal may be requested of the single Seller. A cost/price analysis and evaluation and/or audit may be performed of the cost proposal in order to determine if the price is fair and reasonable.

**Bid Withdrawal:** After the bids are opened, bids may not be withdrawn for forty-five (45) calendar days. Prior to the date/time set for the bid opening, however, bids may be modified or withdrawn by the Seller's authorized representative in person, or by written telegraphic notice. If bids are modified or withdrawn in person, the authorized representative shall make his identity known and shall sign a receipt for the bid.

**Award:** The Town of Riverhead reserves the right to accept bids, award bids and/or not award bids based on one chassis or more than one chassis or award separate (more than one) bids based upon the type of chassis set forth in the specifications; to reject any and all bids, to waive any informality in the bids, and to accept the bid that appears from all consideration to be for the best interest of the Town of Riverhead.

In determining and evaluating the best bid, the prices will not necessarily be controlling, but quality, equality, efficiency, utility, general terms, delivery, suitability of the

VENDOR NAME \_\_\_\_\_

equipment/material offered, and the reputation of the equipment/material in general use will also be considered with any other relevant factors. The Highway Superintendent and/or the Purchasing Agent shall be the judges in the determination of these matters.

Notice of bid award, if bid be awarded, will be made within forty-five (45) days of opening of bids to the lowest responsive and responsible seller, whose bid proposal complies with all the requirements in the bid specifications.

**Title:** Title to the truck chassis and all equipment shall pass to the Town at the F.O.B. point designated under Delivery, subject to the right of the Town to reject upon inspection.

**Acceptance and Payment:** Acceptance shall be made at the time all equipment/material is operational and in proper working order as determined by and to the satisfaction of the Town of Riverhead. Acceptance of the equipment/material shall be determined on the basis of technical completeness, performance and adherence to the operational requirements and functions of the specifications.

Payment will be scheduled within thirty (30) days upon complete delivery and acceptance of all material/equipment and receipt of an original and one (1) copy of an invoice complying with the terms and conditions of the award. The Town reserves the right to withhold up to ten percent (10%) of the purchase price in the event there is a conditional acceptance. Non-compliance with any one of the following requirements shall constitute a conditional acceptance:

- a) Adherence to the general construction and performance specifications.
- b) Reasonable opportunity for chassis and equipment/material inspection by Highway Superintendent and/or Town Purchasing Agent.
- c) Receipt of manuals (if applicable).

**Guarantee:** All vehicles, equipment and materials including all parts and assemblies, if applicable, shall be guaranteed against defects in material and workmanship for a period of at least one (1) year after acceptance. Guarantee shall commence at the time of official acceptance by the Town. Where it is required to repair, replace, resurface, replant or to modify, alter, add or remove hardware, parts, components, or related accessories for the purpose of insuring proper appearance, performance or operation, such operations shall be done as required until such time as acceptable performance has been established.

Note, Seller shall be responsible for any costs related to repairs necessary to pass New York State Inspection.

Problems which occur shall be corrected in an appropriate fashion under guarantee. Seller shall be responsible to attend to and remedy such items within a reasonable amount of time. Appropriate logs and schedules shall be maintained to reflect these items and their redress.

**New York Law:** The Notice to Bidders and Bid Specifications shall be governed according to the laws of the State of New York.

VENDOR NAME \_\_\_\_\_

**V. Bid Sheet**

**2020 or NEWER CHASSIS, 10' 304 STAINLESS STEEL DUMP BODY, CUSTOM  
LOW MOUNT HITCH, 10' STAINLESS STEEL MATERIAL SPREADER, 10' SNOW  
PLOW AND CENTRAL HYDRAULICS**

A. The bidder will furnish a 2020 or newer chassis, 10' 304 stainless steel dump body and custom low mount hitch and hydraulics, for the price of:

\$ \_\_\_\_\_/ea.

Make \_\_\_\_\_

Model \_\_\_\_\_

Year \_\_\_\_\_

Bidder guarantees that delivery will be made within \_\_\_\_\_ calendar days after bidder's receipt of order.

B. Discount Parts: \_\_\_\_\_%

C. Labor Rate: \$ \_\_\_\_\_/HR

D. Extended Warranty \$ \_\_\_\_\_

**E. OPTIONS:**

1. 10' Reversible Plow \$ \_\_\_\_\_/ea.

2. 10' Stainless Steel Material

Spreader \$ \_\_\_\_\_/ea.

3. Ziebart Rust Protection

or equal \$ \_\_\_\_\_/ea.

Name of Bidder: \_\_\_\_\_

Address of Bidder: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

Email: \_\_\_\_\_



VENDOR NAME \_\_\_\_\_

### BIDDER QUALIFICATIONS

All questions must be answered and the information given must be clear and comprehensive. If necessary, questions may be answered on separate attached sheets.

#### **Section A.**

1. Name of Offeror/Organization:  
\_\_\_\_\_
2. Main Office Address:  
\_\_\_\_\_
3. When Organized:  
\_\_\_\_\_
4. If a Corporation, Indicate State Incorporated In:  
\_\_\_\_\_

5. **NAME OF PARTNERS**                      **HOME ADDRESS OF PARTNERS**  
If Bidder is a FIRM, state here the name and home address of each member thereof  
\_\_\_\_\_  
\_\_\_\_\_

If Bidder is a CORPORATION, complete the information below:  
Name and Address of President:  
\_\_\_\_\_  
Name and Address of Vice President:  
\_\_\_\_\_  
Name and Address of Secretary:  
\_\_\_\_\_

6. Does any other contractor, vendor or person have, hold, or may derive any actual or beneficial percentage of interest in any other form of ownership of the Offeror in an amount of 5% or more? Yes/No \_\_\_\_\_  
If yes, please provide:  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

#### **Section B.**

Provide information below regarding similar contracts held:

Organization Name:	Contact Person (Name and Phone Number):
_____	_____
_____	_____
Amount of Contract:	Date Completed:
_____	_____
_____	_____

VENDOR NAME \_\_\_\_\_

**Section C.**

1. Have you ever failed to complete any contract awarded to you? Yes/No \_\_\_\_\_

2. Have you ever defaulted on a contract? Yes/No \_\_\_\_\_ If yes, state where and why:

---

3. Has any officer or partner of your organization ever been an officer or partner of some other organization that failed to complete a contract? Yes / No  
(circle one)

If yes, state name of individual, other organization and reason:

---

4. Has any officer or partner of your organization ever failed to complete a contract in his/her own name? Yes/No \_\_\_\_\_ if yes, state name and reason:

---

5. In what other lines of business are you financially interested?

---

6. Who will personally supervise this contract?

Name and Phone Number

Title

---

7. Do you have, or can you obtain, sufficient personnel and equipment to perform this contract as required by the "Bid Proposal"? Yes/No \_\_\_\_\_

8. Provide names and phone numbers of local (Long Island) government references:

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9. Provide contact names and phone numbers for emergencies that require an immediate response:

Day: \_\_\_\_\_

Night: \_\_\_\_\_

VENDOR NAME \_\_\_\_\_

10. List all major equipment you will utilize to perform all work. Indicate whether you currently own or lease the equipment, or will lease it (attach a separate sheet if necessary).

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

11. Successful Offeror shall provide the Town, at the signing of the contract, the following information:

- a. Table of Organization of the CONTRACTOR showing the names and addresses of all individuals serving on the Board of Directors or comparable body of the CONTRACTOR.
- b. Proof of financial capability and a detailed financial statement.

**Section D.**

(\*Delete phrases that are not applicable)

I, \_\_\_\_\_ the \*(applicant herein), (an officer or agent of the corporate applicant) namely its \_\_\_\_\_, (list corporate interest)

(swears) or (affirms) under the penalties of perjury that:

1. The following persons have a direct or indirect interest in this bid:

<u>NAME</u>	<u>ADDRESS</u>	<u>DATE OF BIRTH</u>

(In case of corporations, all officers of the corporation and stockholders owning more than 5% of the corporate stock must be listed. Attach an additional sheet, if necessary).

2. The following person(s) listed immediately above are related by blood or marriage to an officer or employee of the OWNER. Attach an additional sheet, if necessary.

<u>NAME</u>	<u>RELATIONSHIP</u>	<u>NAME/POSITION OF EMPLOYEE/OFFICER</u>

False statements made herein are punishable as a Class A misdemeanor pursuant to 210.45 of the Penal Law.

\_\_\_\_\_  
Legal Name of Person/Firm/Corporation

By: \_\_\_\_\_

VENDOR NAME \_\_\_\_\_

**GENERAL MUNICIPAL LAW – SECTION 103-d**

**Non-Collusive Bidding Certificate**

By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid, each party thereto certifies as to its own organization, under the penalty of perjury, that to the best of his knowledge and belief:

- (A) The prices in this bid have been arrived at independently without collusion, consultation, communication or agreement, and for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor or potential competitor;
- (B) Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder prior to the opening, directly or indirectly to any other bidder, competitor or potential competitor;
- (C) No attempt has been or will be made by the bidder to induce any other person, partnership, or corporation to submit or not to submit a bid for the purpose of restricting competition.

I hereby affirm, under the penalty of perjury, the foregoing statement is true:

Signed by: \_\_\_\_\_

Title: \_\_\_\_\_

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

Affix corporate seal if contractor is a corporation.

VENDOR NAME \_\_\_\_\_

### IRAN DIVESTMENT ACT CERTIFICATION

As a result of the Iran Divestment Act of 2012 (Act), Chapter 1 of the 2012 Laws of New York, a new provision has been added to the State Finance Law (SFL), § 165-a, effective April 12, 2012. Under the Act, the Commissioner of the Office of General Services (OGS) will be developing a list (prohibited entities list) of “persons” who are engaged in “investment activities in Iran” (both are defined terms in the law). Pursuant to SFL § 165-a(3)(b), the initial list is expected to be issued no later than 120 days after the Act’s effective date, at which time it will be posted on the OGS website.

By submitting a bid in response to this solicitation or by assuming the responsibility of a Contract awarded hereunder, Bidder/Contractor (or any assignee) certifies that once the prohibited entities list is posted on the OGS website, it will not utilize on such Contract any subcontractor that is identified on the prohibited entities list.

Additionally, Bidder/Contractor is advised that once the list is posted on the OGS website, any Contractor seeking to renew or extend a Contract or assume the responsibility of a Contract awarded in response to the solicitation, must certify at the time the Contract is renewed, extended or assigned that it is not included on the prohibited entities list.

During the term of the Contract, should the TOWN OF RIVERHEAD receive information that a person is in violation of the above-referenced certification, the TOWN OF RIVERHEAD will offer the person an opportunity to respond. If the person fails to demonstrate that it has ceased its engagement in the investment which is in violation of the Act within 90 days after the determination of such violation, then the TOWN OF RIVERHEAD shall take such action as may be appropriate including, but not limited to, imposing sanctions, seeking compliance, recovering damages, or declaring the Contractor in default.

The TOWN OF RIVERHEAD reserves the right to reject any bid or request for assignment for an entity that appears on the prohibited entities list prior to the award of a contract, and to pursue a responsibility review with respect to any entity that is awarded a contract and appears on the prohibited entities list after contract award.

Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_

Title: \_\_\_\_\_

Company Name: \_\_\_\_\_

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

VENDOR NAME \_\_\_\_\_

Please complete and affix to your sealed bid envelope.



**BIDDER:** \_\_\_\_\_

**ADDRESS:** \_\_\_\_\_

**BID NAME: 2020 or NEWER CHASSIS, 10' 304 STAINLESS  
STEEL DUMP BODY, CUSTOM LOW MOUNT HITCH, 10'  
STAINLESS STEEL MATERIAL SPREADER, 10' SNOW PLOW  
AND CENTRAL HYDRAULICS**

**BID OPENING DATE: SEPTEMBER 24, 2020**

**TIME: 11:00AM**

**BIDS MUST BE DELIVERED TO:**

**TOWN OF RIVERHEAD  
TOWN CLERKS OFFICE  
200 HOWELL AVENUE  
RIVERHEAD, NY 11901**

**PRIOR TO 11AM ON SEPTEMBER 24, 2020**

**LATE BIDS WILL NOT BE ACCEPTED FOR ANY REASON**