

**Legal Notice**

TOWN OF BRANFORD  
REQUEST FOR BIDS

**“PURCHASE OF CLASS 8 CAB/CHASSIS WITH SPECIFIED DUMP  
BODY/SAND SPREADER/PLOW/HITCH/CENTRAL HYDRAULICS”**

The Town of Branford Public Works Department is requesting bids for a new **2017 Class 8 Truck Cab/Chassis to include specified Dump Body/Sand Spreader/Hitch/Central Hydraulics**. Specifications and scope of services may be obtained from the Finance Department, Branford Town Hall, 1019 Main Street, Branford, CT, on the Town’s website at [www.branford-ct.gov](http://www.branford-ct.gov), or on the State of CT DAS website.

Bids are to be submitted in a sealed envelope marked **“2017 CLASS 8 TRUCK”** to the Finance Department, Attention, Purchasing Clerk, 1019 Main Street, Branford, CT 06405 by **11:00 a.m., Wednesday, September 14, 2016** and publicly opened immediately thereafter. Proposals received after this deadline will not be considered.

The Board of Selectmen or the majority reserves the right to select or reject any and/or all bids containing alternate proposals, to waive any informality in proposals and to reject any and/or all bids or accept such bid as shall, in their judgment, be in the best interest of the Town of Branford.

Tyechia Pettway  
Purchasing Clerk



**TOWN OF BRANFORD, CT**

**INSTRUCTIONS TO BIDDERS**

**BID SPECIFICATIONS**

**FOR THE PURCHASE OF**  
**CLASS 8 CAB/CHASSIS**  
**WITH SPECIFIED DUMP BODY/SAND SPREADER/PLOW/HITCH/**  
**CENTRAL HYDRAULICS**

**INSTRUCTIONS TO BIDDERS**

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Bidders are to state delivery date on bid form.

Price is to be held for **60** days from bid opening.



## **SPECIFICATIONS FOR THE PURCHASE OF CLASS 8 CHASSIS**

**SCOPE:** Furnish new 2017 Class 8 Truck Cab/Chassis with setback axle equipped with specified dump body and plow with all manufacturers' standard equipment and in compliance with the following specifications:

The bidder must state "yes" or "no" to each specification item in the line provided. All deviations must be explained in the bid completely. Statements such as "exceed", "not required", or items not checked yes or no, will not be accepted and will be considered non-compliant, resulting in rejection of the bid. If additional space is needed, the bidder shall use a separate sheet of paper labeled "exceptions". The successful bidder's equipment will be inspected on delivery against the specifications. Any items marked yes that are not installed on the equipment will result in the rejection of the equipment.

Bids will be considered only from vendors regularly engaged in the manufacture of the type of equipment specified for a period of not less than ten years. Bids will not be considered from bidders who are not able to show that they are regularly engaged in the selling and servicing of this type of equipment. Successful bidder shall be able to demonstrate proficiency in both operation and repair of all components on the equipment.

**SERVICE:** The Vendor shall furnish factory-authorized service at a service shop located within the State of Connecticut on all vehicle(s) and related add-on equipment furnished under this contract. No exceptions.

	<b>Description</b>
<b>Price Level</b>	
	M2 PRL-14M (EFF:10/05/15)
<b>Data Version</b>	
	SPECPRO21 DATA RELEASE VER 037
<b>Interior Convenience/Driver Retention Package</b>	
	DRIVER RETENTION PACKAGE



## Description

### Vehicle Configuration

M2 106 CONVENTIONAL  
CHASSIS  
2017 MODEL YEAR SPECIFIED  
SET BACK AXLE - TRUCK  
STRAIGHT TRUCK PROVISION  
LH PRIMARY STEERING  
LOCATION

### General Service

TRUCK CONFIGURATION  
DOMICILED, USA 50 STATES  
(INCLUDING CALIFORNIA AND  
CARB OPT-IN STATES)  
UTILITY/REPAIR/MAINTENANCE  
SERVICE  
GOVERNMENT BUSINESS  
SEGMENT  
FIXED LOAD COMMODITY  
TERRAIN/DUTY: 100% (ALL) OF  
THE TIME, IN TRANSIT, IS SPENT  
ON PAVED ROADS  
MAXIMUM 8% EXPECTED  
GRADE  
SMOOTH CONCRETE OR  
ASPHALT PAVEMENT - MOST  
SEVERE IN-TRANSIT (BETWEEN  
SITES) ROAD SURFACE  
MEDIUM TRUCK WARRANTY  
EXPECTED FRONT AXLE(S)  
LOAD : 14700.0 lbs  
EXPECTED REAR DRIVE AXLE(S)  
LOAD : 23000.0 lbs  
EXPECTED GROSS VEHICLE  
WEIGHT CAPACITY : 37700.0 lbs

### Truck Service

FRONT PLOW/END DUMP BODY  
EXPECTED TRUCK BODY  
LENGTH : 10.0 ft



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**Description**

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EXPECTED BODY/PAYLOAD CG  
HEIGHT ABOVE FRAME "XX"  
INCHES : 32.0 in

**Engine**

CUM ISL 330 HP @ 2000 RPM, 2200  
GOV RPM, 1000 LB/FT @ 1400  
RPM

**Electronic Parameters**

65 MPH ROAD SPEED LIMIT  
CRUISE CONTROL SPEED LIMIT  
SAME AS ROAD SPEED LIMIT  
AND SET SPEED SAVE  
PTO MODE ENGINE RPM LIMIT -  
1100 RPM  
PTO RPM WITH CRUISE SET  
SWITCH - 1100 RPM  
PTO RPM WITH CRUISE RESUME  
SWITCH - 800 RPM  
PTO MODE CANCEL VEHICLE  
SPEED - 0 MPH  
PTO GOVERNOR RAMP RATE -  
250 RPM PER SECOND  
ENABLE REGENERATION IN PTO  
MODE  
PTO MINIMUM RPM - 700  
REGEN INHIBIT SPEED  
THRESHOLD - 5 MPH

**Engine Equipment**

2016 ONBOARD  
DIAGNOSTICS/2010  
EPA/CARB/GHG17 BUT NOT  
FINAL GHG17 CONFIGURATION  
2008 CARB EMISSION  
CERTIFICATION - CLEAN IDLE  
(INCLUDES 6X4 INCH LABEL ON  
LOWER FORWARD CORNER OF  
DRIVER DOOR)  
STANDARD OIL PAN



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### **Description**

ENGINE MOUNTED OIL CHECK  
AND FILL  
ONE PIECE VALVE COVER  
SIDE OF HOOD AIR INTAKE  
WITH FIREWALL MOUNTED  
DONALDSON AIR CLEANER AND  
UNDER HOOD BLEND AIR DOOR  
DR 12V 160 AMP 28-SI  
QUADRAMOUNT PAD  
ALTERNATOR WITH REMOTE  
BATTERY VOLT SENSE  
(2) ALLIANCE MODEL 1231,  
GROUP 31, 12 VOLT  
MAINTENANCE FREE 2250 CCA  
THREADED STUD BATTERIES  
BATTERY BOX FRAME  
MOUNTED  
STANDARD BATTERY JUMPERS  
SINGLE BATTERY BOX FRAME  
MOUNTED LH SIDE UNDER CAB  
WIRE GROUND RETURN FOR  
BATTERY CABLES WITH  
ADDITIONAL FRAME GROUND  
RETURN  
NON-POLISHED BATTERY BOX  
COVER  
POSITIVE LOAD DISCONNECT  
WITH CAB MOUNTED CONTROL  
SWITCH MOUNTED OUTBOARD  
DRIVER SEAT  
CUMMINS TURBOCHARGED 18.7  
CFM AIR COMPRESSOR WITH  
INTERNAL SAFETY VALVE  
STANDARD MECHANICAL AIR  
COMPRESSOR GOVERNOR  
AIR COMPRESSOR DISCHARGE  
LINE



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### **Description**

ELECTRONIC ENGINE INTEGRAL  
SHUTDOWN PROTECTION  
SYSTEM

CUMMINS EXHAUST BRAKE  
INTEGRAL WITH VARIABLE  
GEOMETRY TURBO WITH  
ON/OFF DASH SWITCH  
RH OUTBOARD UNDER STEP  
MOUNTED HORIZONTAL  
AFTERTREATMENT SYSTEM  
ASSEMBLY WITH RH B-PILLAR  
MOUNTED VERTICAL TAILPIPE  
ENGINE AFTERTREATMENT  
DEVICE, AUTOMATIC OVER THE  
ROAD REGENERATION AND  
DASH MOUNTED  
REGENERATION REQUEST  
SWITCH

10 FOOT 00 INCH (120 INCH+0/-5.9  
INCH) EXHAUST SYSTEM  
HEIGHT

STANDARD CURVE BRIGHT  
UPPER STACK(S)  
RH CURVED VERTICAL TAILPIPE  
B-PILLAR MOUNTED ROUTED  
FROM STEP

6 GALLON DIESEL EXHAUST  
FLUID TANK  
100 PERCENT DIESEL EXHAUST  
FLUID FILL

LH UNDER CAB DIESEL  
EXHAUST FLUID TANK  
LOCATION  
INBOARD MOUNTED DIESEL  
EXHAUST FLUID PUMP WITH  
ABOVE RAIL ROUTING FOR 6  
GALLON DIESEL EXHAUST  
FLUID TANK, CUMMINS  
ENGINES



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**Description**

STANDARD DIESEL EXHAUST  
FLUID TANK CAP  
STAINLESS STEEL  
AFTERTREATMENT  
DEVICE/MUFFLER/TAILPIPE  
SHIELD  
HORTON DRIVEMASTER  
ADVANTAGE ON/OFF FAN  
DRIVE  
AUTOMATIC FAN CONTROL  
WITHOUT DASH SWITCH, NON  
ENGINE MOUNTED  
CUMMINS SPIN ON FUEL FILTER  
COMBINATION FULL  
FLOW/BYPASS OIL FILTER  
FLEETGUARD PLAIN COOLANT  
FILTER  
1100 SQUARE INCH ALUMINUM  
RADIATOR  
ANTIFREEZE TO -34F, OAT  
(NITRITE AND SILICATE FREE)  
EXTENDED LIFE COOLANT  
GATES BLUE STRIPE COOLANT  
HOSES OR EQUIVALENT  
GATES POWERGRIP SHRINK  
BAND HOSE CLAMPS WHERE  
POSSIBLE  
RADIATOR DRAIN VALVE  
NO RADIATOR/OIL PAN GUARD  
PHILLIPS-TEMRO 1000 WATT/115  
VOLT BLOCK HEATER  
CHROME ENGINE HEATER  
RECEPTACLE MOUNTED UNDER  
LH DOOR  
ALUMINUM FLYWHEEL  
HOUSING  
ELECTRIC GRID AIR INTAKE  
WARMER



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**Description**

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DELCO 12V 38MT HD STARTER  
WITH INTEGRATED MAGNETIC  
SWITCH

**Transmission**

ALLISON 3500 RDS AUTOMATIC  
TRANSMISSION WITH PTO  
PROVISION

**Transmission Equipment**

ALLISON VOCATIONAL  
PACKAGE 222 - AVAILABLE ON  
3000/4000 PRODUCT FAMILIES  
WITH VOCATIONAL MODEL RDS  
ALLISON VOCATIONAL RATING  
FOR ON/OFF HIGHWAY  
APPLICATIONS AVAILABLE  
WITH ALL PRODUCT FAMILIES  
PRIMARY MODE GEARS,  
LOWEST GEAR 1, START GEAR 1,  
HIGHEST GEAR 6, AVAILABLE  
FOR 3000/4000 PRODUCT  
FAMILIES ONLY  
SECONDARY MODE GEARS,  
LOWEST GEAR 1, START GEAR 1,  
HIGHEST GEAR 6, AVAILABLE  
FOR 3000/4000 PRODUCT  
FAMILIES ONLY  
PRIMARY SHIFT SCHEDULE  
RECOMMENDED BY DTNA AND  
ALLISON, THIS DEFINED BY  
ENGINE AND VOCATIONAL  
USAGE  
ENHANCED CONVERTER LOAD  
RELEASE - DISABLED,  
AVAILABLE FOR ALL PRODUCT  
FAMILIES ONLY



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### Description

PRIMARY SHIFT SPEED  
RECOMMENDED BY DTNA AND  
ALLISON, THIS DEFINED BY  
ENGINE AND VOCATIONAL  
USAGE  
SECONDARY SHIFT SPEED  
RECOMMENDED BY DTNA AND  
ALLISON, THIS DEFINED BY  
ENGINE AND VOCATIONAL  
USAGE  
LOAD BASED SHIFT SCHEDULE  
AND VEHICLE ACCELERATION  
CONTROL RECOMMENDED BY  
DTNA AND ALLISON, THIS  
DEFINED VOCATIONAL USAGE  
NEUTRAL AT STOP - DISABLED,  
FUELSENSE - DISABLED  
DRIVER SWITCH INPUT -  
DEFAULT - NO SWITCHES  
ELECTRONIC TRANSMISSION  
CUSTOMER ACCESS  
CONNECTOR FIREWALL  
MOUNTED  
CUSTOMER INSTALLED  
CHELSEA 277 SERIES PTO  
PTO MOUNTING, LH SIDE OF  
MAIN TRANSMISSION  
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



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**Description**

TRANSMISSION OIL CHECK AND  
FILL WITH ELECTRONIC OIL  
LEVEL CHECK  
SYNTHETIC TRANSMISSION  
FLUID (TES-295 COMPLIANT)

**Front Axle and Equipment**

DETROIT DA-F-14.7-3 14,700# FF1  
71.5 KPI/3.74 DROP SINGLE  
FRONT AXLE  
MERITOR 16.5X5 Q+ CAST  
SPIDER CAM FRONT BRAKES,  
DOUBLE ANCHOR, FABRICATED  
SHOES  
NON-ASBESTOS FRONT BRAKE  
LINING  
CONMET CAST IRON FRONT  
BRAKE DRUMS  
SKF SCOTSEAL PLUS XL FRONT  
OIL SEALS  
VENTED FRONT HUB CAPS WITH  
WINDOW, CENTER AND SIDE  
PLUGS - OIL  
STANDARD SPINDLE NUTS FOR  
ALL AXLES  
MERITOR AUTOMATIC FRONT  
SLACK ADJUSTERS  
TRW TAS-85 POWER STEERING  
POWER STEERING PUMP  
2 QUART SEE THROUGH POWER  
STEERING RESERVOIR  
ORGANIC SAE 80/90 FRONT  
AXLE LUBE

**Front Suspension**

16,000# TAPERLEAF FRONT  
SUSPENSION  
MAINTENANCE FREE RUBBER  
BUSHINGS - FRONT SUSPENSION



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**Description**

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NO FRONT SUSPENSION SPRING  
BRACKET OPTIONS  
FRONT SHOCK ABSORBERS

**Rear Axle and Equipment**

RS-23-161 23,000# R-SERIES  
SINGLE REAR AXLE  
5.63 REAR AXLE RATIO  
IRON REAR AXLE CARRIER  
WITH STANDARD AXLE  
HOUSING  
MXL 176T MERITOR EXTENDED  
LUBE MAIN DRIVELINE WITH  
HALF ROUND YOKES  
DRIVER CONTROLLED  
TRACTION DIFFERENTIAL -  
SINGLE REAR AXLE  
(1) DRIVER CONTROLLED  
DIFFERENTIAL LOCK REAR  
VALVE FOR SINGLE DRIVE  
AXLE  
BLINKING LAMP WITH EACH  
MODE SWITCH, DIFFERENTIAL  
UNLOCK WITH IGNITION OFF,  
ACTIVE <5 MPH  
MERITOR 16.5X7 Q+ CAST  
SPIDER HEAVY DUTY CAM  
REAR BRAKES, DOUBLE  
ANCHOR, FABRICATED SHOES  
NON-ASBESTOS REAR BRAKE  
LINING  
BRAKE CAMS AND CHAMBERS  
ON FORWARD SIDE OF DRIVE  
AXLE(S)  
CONMET CAST IRON REAR  
BRAKE DRUMS  
SKF SCOTSEAL PLUS XL REAR  
OIL SEALS



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**Description**

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HALDEX GOLDSEAL  
LONGSTROKE 1-DRIVE AXLE  
SPRING PARKING CHAMBERS  
MERITOR AUTOMATIC REAR  
SLACK ADJUSTERS  
ORGANIC SAE 80/90 REAR AXLE  
LUBE

**Rear Suspension**

26,000# 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**

AIR BRAKE PACKAGE  
WABCO 4S/4M ABS WITH  
TRACTION CONTROL  
REINFORCED NYLON, FABRIC  
BRAID AND WIRE BRAID  
CHASSIS AIR LINES  
FIBER BRAID PARKING BRAKE  
HOSE  
STANDARD BRAKE SYSTEM  
VALVES  
STANDARD AIR SYSTEM  
PRESSURE PROTECTION  
SYSTEM  
STD U.S. FRONT BRAKE VALVE  
RELAY VALVE WITH 5-8 PSI  
CRACK PRESSURE, NO REAR  
PROPORTIONING VALVE  
BW AD-9SI BRAKE LINE AIR  
DRYER WITH HEATER  
AIR DRYER FRAME MOUNTED  
STEEL AIR BRAKE RESERVOIRS



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**Description**

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CLEAR FRAME RAILS 36 INCHES  
FROM BACK OF CAB INSIDE  
AND BELOW BOTH FRAME  
RAILS  
PULL CABLES ON ALL AIR  
RESERVOIR(S)

**Trailer Connections**

UPGRADED CHASSIS  
MULTIPLEXING UNIT  
UPGRADED BULKHEAD  
MULTIPLEXING UNIT  
NO HIGH CURRENT  
TRAILER/BODY CABLE

**Wheelbase & Frame**

4175MM (164 INCH) WHEELBASE  
11/32X3-1/2X10-3/16 INCH STEEL  
FRAME  
(8.73MMX258.8MM/0.344X10.19  
INCH) 120KSI  
BODY COMPANY INSTALLED  
ADDITIONAL FRONT FRAME  
REINFORCEMENT FOR SNOW  
PLOW  
1775MM (70 INCH) REAR FRAME  
OVERHANG  
FRAME OVERHANG RANGE: 61  
INCH TO 70 INCH  
8 INCH BOLT ON FRONT FRAME  
EXTENSION  
CALC'D BACK OF CAB TO REAR  
SUSP C/L (CA) : 98.45 in  
CALCULATED EFFECTIVE BACK  
OF CAB TO REAR SUSPENSION  
C/L (CA) : 95.45 in  
CALC'D FRAME LENGTH -  
OVERALL : 263.39  
CALC'D SPACE AVAILABLE FOR  
DECKPLATE : 98.45 in



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**Description**

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CALCULATED FRAME SPACE LH  
SIDE : 80.42 in  
CALCULATED FRAME SPACE RH  
SIDE : 107.46 in  
SQUARE END OF FRAME  
REAR TOW HOOKS  
FRONT CLOSING  
CROSSMEMBER  
LIGHTWEIGHT HEAVY DUTY  
ALUMINUM ENGINE  
CROSSMEMBER  
STANDARD MIDSHIP #1  
CROSSMEMBER(S)  
STANDARD REARMOST  
CROSSMEMBER  
STANDARD SUSPENSION  
CROSSMEMBER

**Chassis Equipment**

THREE-PIECE 14 INCH STEEL  
CENTER BUMPER WITH  
FLEXIBLE PLASTIC ENDS  
BUMPER MOUNTING FOR  
SINGLE LICENSE PLATE  
FENDER AND FRONT OF HOOD  
MOUNTED FRONT MUDFLAPS  
HUCK-SPIN ROUND COLLAR  
CHASSIS FASTENERS

**Fuel Tanks**

40 GALLON/151 LITER  
RECTANGULAR ALUMINUM  
FUEL TANK - LH  
RECTANGULAR FUEL TANK(S)  
PLAIN ALUMINUM/PAINTED  
STEEL FUEL/HYDRAULIC  
TANK(S) WITH PAINTED BANDS  
FUEL TANK(S) FORWARD  
30 GALLONS ADDITIONAL FUEL



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**Description**

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POLISHED STAINLESS STEEL  
STEP FINISH  
FUEL TANK FILLER NECK ANTI-  
SIPHON INSERT  
FUEL TANK CAP(S)  
ALLIANCE FUEL FILTER/WATER  
SEPARATOR WITH HEATED  
BOWL AND PRIMER PUMP  
EQUIFLO INBOARD FUEL  
SYSTEM  
HIGH TEMPERATURE  
REINFORCED NYLON FUEL LINE

**Tires**

GOODYEAR G731 MSA 12R22.5 16  
PLY RADIAL FRONT TIRES  
GOODYEAR G282 MSD 11R22.5 16  
PLY RADIAL REAR TIRES

**Hubs**

CONMET PRESET PLUS IRON  
FRONT HUBS  
CONMET PRESET PLUS IRON  
REAR HUBS

**Wheels**

ACCURIDE 28828 22.5X8.25 10-  
HUB PILOT 6.18 INSET 2-HAND  
HD STEEL DISC FRONT WHEELS  
ACCURIDE 28828 22.5X8.25 10-  
HUB PILOT 2-HAND HD STEEL  
DISC REAR WHEELS  
FRONT WHEEL MOUNTING NUTS  
REAR WHEEL MOUNTING NUTS

**Cab Exterior**

106 INCH BBC FLAT ROOF  
ALUMINUM CONVENTIONAL  
CAB  
AIR CAB MOUNTS  
NONREMOVABLE BUGSCREEN  
MOUNTED BEHIND GRILLE



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### **Description**

LH AND RH GRAB HANDLES  
STATIONARY PAINTED FULL  
GRILLE FOR CHASSIS WITHOUT  
INTEGRAL FRONT FRAME  
EXTENSIONS  
CHROME HOOD MOUNTED AIR  
INTAKE GRILLE  
FIBERGLASS HOOD  
HOOD LINER, ADDED FIREWALL  
AND FLOOR HEAT INSULATION  
SINGLE 14 INCH ROUND  
HADLEY AIR HORN UNDER LH  
DECK  
DUAL ELECTRIC HORNS  
SINGLE HORN SHIELD  
DOOR LOCKS AND IGNITION  
SWITCH KEYED THE SAME  
REAR LICENSE PLATE MOUNT  
END OF FRAME  
INTEGRAL HEADLIGHT/MARKER  
ASSEMBLY  
LED AERODYNAMIC MARKER  
LIGHTS  
PDI INSTALLED HALOGEN  
SPOTLIGHTS IN LH AND RH  
DOORS  
FREIGHTLINER LED FLANGE  
MOUNTED STOP/TAIL/TURN  
LIGHTS WITH SEPARATE  
INCANDESCENT 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



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### Description

LH AND RH 8 INCH BRIGHT  
FINISH CONVEX MIRRORS  
MOUNTED UNDER PRIMARY  
MIRRORS  
STANDARD SIDE/REAR  
REFLECTORS  
DUAL LEVEL CAB ENTRY STEPS  
ON BOTH SIDES  
ELECTRIC HORN WARNING  
SYSTEM FOR PARK BRAKE NOT  
SET WITH DOOR OPEN AND ALL  
IGNITION KEY POSITIONS  
COMPOSITE EXTERIOR SUN  
VISOR  
63X14 INCH TINTED REAR  
WINDOW  
TINTED DOOR GLASS LH AND  
RH WITH TINTED NON-  
OPERATING WING WINDOWS  
MANUAL DOOR WINDOW  
REGULATORS  
1-PIECE TINTED CURVED  
BONDED WINDSHIELD WITH  
HEATED WIPER BLADE PARK  
AREAS  
1.5 GALLON WINDSHIELD  
WASHER RESERVOIR RH FRAME  
MOUNTED BEHIND RADIATOR

### Cab Interior

OPAL GRAY VINYL INTERIOR  
MOLDED PLASTIC DOOR PANEL  
WITHOUT VINYL INSERT WITH  
ALUMINUM KICKPLATE LOWER  
DOOR  
MOLDED PLASTIC DOOR PANEL  
WITHOUT VINYL INSERT WITH  
ALUMINUM KICKPLATE LOWER  
DOOR



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**Description**

BLACK MATS WITH SINGLE  
INSULATION  
DASH MOUNTED ASH TRAYS  
AND LIGHTER  
IN DASH STORAGE BIN  
(2) CUP HOLDERS LH AND RH  
DASH  
GRAY/CHARCOAL FLAT DASH  
SMART SWITCH EXPANSION  
MODULE  
2-1/2 LB. FIRE EXTINGUISHER  
HEATER, DEFROSTER AND AIR  
CONDITIONER  
STANDARD HVAC DUCTING  
WITH SNOW SHIELD FOR FRESH  
AIR INTAKE  
MAIN HVAC CONTROLS WITH  
RECIRCULATION SWITCH  
STANDARD PLUMBING WITH  
BALL SHUTOFF VALVES AND  
INSULATED LINES  
DENSO HEAVY DUTY AIR  
CONDITIONER COMPRESSOR  
BINARY CONTROL, R-134A  
PREMIUM INSULATION  
SOLID-STATE CIRCUIT  
PROTECTION AND FUSES  
12V NEGATIVE GROUND  
ELECTRICAL SYSTEM  
DOME DOOR ACTIVATED LH  
AND RH, DUAL READING  
LIGHTS, FORWARD CAB ROOF  
CAB DOOR LATCHES WITH  
MANUAL DOOR LOCKS  
(1) 12 VOLT POWER SUPPLY IN  
DASH  
TRIANGULAR REFLECTORS  
WITHOUT FLARES



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### Description

ELITE HIGH BACK AIR  
SUSPENSION DRIVER SEAT  
WITH HEAT, 3 CHAMBER AIR  
LUMBAR, INTEGRATED  
CUSHION EXTENSION,  
FORWARD AND REAR CUSHION  
TILT AND ADJUSTABLE SHOCK  
2 MAN TOOL BOX MID BACK  
NON SUSPENSION PASSENGER  
SEAT  
DUAL DRIVER SEAT ARMRESTS,  
NO PASSENGER SEAT  
ARMRESTS  
LH AND RH INTEGRAL DOOR  
PANEL ARMRESTS  
BLACK CORDURA PLUS CLOTH  
DRIVER SEAT COVER  
BLACK CORDURA PLUS CLOTH  
PASSENGER SEAT COVER  
HIGH VISIBILITY ORANGE SEAT  
BELTS  
ADJUSTABLE TILT AND  
TELESCOPING STEERING  
COLUMN  
4-SPOKE 18 INCH (450MM)  
STEERING WHEEL  
DRIVER AND PASSENGER  
INTERIOR SUN VISORS

### Instruments & Controls

WOODGRAIN DRIVER  
INSTRUMENT PANEL  
WOODGRAIN CENTER  
INSTRUMENT PANEL  
BLACK GAUGE BEZELS  
LOW AIR PRESSURE INDICATOR  
LIGHT AND AUDIBLE ALARM  
(1) SINGLE BRAKE APPLICATION  
AIR GAUGE



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### **Description**

2 INCH PRIMARY AND  
SECONDARY AIR PRESSURE  
GAUGES  
INTAKE MOUNTED AIR  
RESTRICTION INDICATOR  
WITHOUT GRADUATIONS  
PRECO 1040 87 DB TO 112 DB  
AUTOMATIC SELF-ADJUSTING  
BACKUP ALARM  
ELECTRONIC CRUISE CONTROL  
WITH SWITCHES IN LH SWITCH  
PANEL  
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  
10 FEET GROUND SPEED WIRE  
ROLLED UP AND LABELED AT  
BAC  
10 FEET IGNITION POWER WIRE  
LABELED AND ROLLED UP AT  
BAC  
ELECTRICAL ENGINE COOLANT  
TEMPERATURE GAUGE  
2 INCH TRANSMISSION OIL  
TEMPERATURE GAUGE



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**Description**

ENGINE AND TRIP HOUR  
METERS INTEGRAL WITHIN  
DRIVER DISPLAY  
(1) DASH MOUNTED PTO  
SWITCH WITH INDICATOR LAMP  
FOR CUSTOMER INSTALLED PTO  
NO LANE DEPARTURE WARNING  
SYSTEM  
ELECTRIC ENGINE OIL  
PRESSURE GAUGE  
OVERHEAD INSTRUMENT  
PANEL  
SMARTPLEX HUB MODULE  
WITH OVERHEAD SWITCH  
MOUNTING, DRIVER SIDE ONLY  
(6 SWITCH SLOTS)  
AM/FM/WB/SIRIUSXM RADIO  
WITH CD PLAYER, BLUETOOTH  
AND MICROPHONE, USB, FRONT  
AND REAR AUXILIARY INPUTS  
AND J1939  
DASH MOUNTED RADIO  
(2) RADIO SPEAKERS IN CAB  
POWER AND GROUND WIRING  
PROVISION OVERHEAD  
ROOF/OVERHEAD CONSOLE CB  
RADIO PROVISION  
MULTI-BAND AM/FM/WB/CB LH  
MIRROR MOUNTED ANTENNA  
SYSTEM  
INTEROPERABLE SDAR  
ANTENNA  
ELECTRONIC MPH  
SPEEDOMETER WITH  
SECONDARY KPH SCALE,  
WITHOUT ODOMETER



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### Description

STANDARD VEHICLE SPEED  
SENSOR WITH ADDITIONAL  
SIGNAL FOR CUSTOMER USE  
LOCATED BETWEEN DRIVER  
AND PASSENGER SEATS  
ELECTRONIC 3000 RPM  
TACHOMETER  
IDLE LIMITER, ELECTRONIC  
ENGINE  
PRE-TRIP LAMP INSPECTION,  
ALL OUTPUTS FLASH, WITH  
SMART SWITCH  
6 ON/OFF LATCHING  
SMARTPLEX SWITCHES  
1-RED, 1-AMBER, 0-GREEN  
SMARTPLEX INDICATOR LAMPS  
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 DUAL  
CONNECTORS AND SWITCH FOR  
CUSTOMER FURNISHED SNOW  
PLOW LIGHTS, LOW BEAMS OFF  
WITH HIGH BEAMS  
ONE VALVE PARKING BRAKE  
SYSTEM WITH WARNING  
INDICATOR  
SELF CANCELING TURN SIGNAL  
SWITCH WITH DIMMER,  
WASHER/WIPER AND HAZARD  
IN HANDLE



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**Description**

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INTEGRAL ELECTRONIC TURN  
SIGNAL FLASHER WITH STOP  
LAMPS OVERRIDING HAZARD  
LAMPS  
NO MISCELLANEOUS GAUGES

**Design**

PAINT: ONE SOLID COLOR

**Color**

CAB COLOR A: L2225EB CANDY  
APPLE RED ELITE BC  
BLACK, HIGH SOLIDS  
POLYURETHANE CHASSIS PAINT  
NO FUEL TANK CABINET PAINT  
POWDER WHITE (N0006EA)  
FRONT WHEELS/RIMS  
(PKWHT21, TKWHT21, W, TW)  
POWDER WHITE (N0006EA) REAR  
WHEELS/RIMS (PKWHT21,  
TKWHT21, W, TW)  
BUMPER PAINT: FP24812  
ARGENT SILVER DUPONT FLEX  
SUNVISOR PAINTED SAME AS  
CAB COLOR A  
STANDARD E  
COAT/UNDERCOATING

**Certification / Compliance**

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

**Secondary Factory Options**

CORPORATE PDI CENTER  
OPTION  
INSTALLATION/MODIFICATION  
ONLY



**The intent of these specifications is to describe the minimum requirements for a Monroe DTS stainless steel all season dump body, hoist, and snow plow package, or town approved equal, to be installed on the Town of Branford supplied cab & chassis. Bidder must indicate compliance with each item listed. Failure to indicate “yes or no” for each line item on the bid form can be grounds for rejection of bid. All exceptions or deviations no matter how small must be submitted on a separate itemized statement. The following specifications are meant as a minimum acceptable standard and are not meant to be restrictive. The Town of Branford reserves the right to accept or reject any bid that is in the best interest of the town.**

**Make And Model Proposed:**

	Body shall be constructed entirely from 304 Stainless Steel with the exception of the center floor plate and the long members. Multiple material test samples will be taken from the awarded supplier to ensure they are as stated in the specification. The body shall be manufactured in America by an American company. No exceptions.			
Item 1	Body			
	Body shall have the ability to be used as a conventional dump body or as a material spreader. Unit shall have an integral removable conveyor with the discharge on the left front of body.			
Item 2	The body shall have an inside length of 120” and inside width of 88”.			
Item 3	Inside side height shall be 28”, with the tailgate and front head sheet 38”.			
Item 4	Body capacity shall be 6 – 7 cubic yards.			
Item 5	All welds shall be 100% continuous.			
Item 6	The sides, front and tailgate shall be constructed from 3/16” 304 Stainless steel, 85,000 PSI. No Exceptions.			
Item 7	The floor shall be constructed from 3/16” Hardox 450 205,000 PSI steel. No Exceptions.			
Item 8	Long members shall be 12” x 25.4 # S-Beam reinforced internally with three ¼” x 3”			



	channel and externally with eight 1/4" x 2" x 3/16" stainless steel box tubes and one additional 4" channel. No Exceptions.			
Item 9	The boxed design front corner post shall be 1/4" x 4-1/2" x 6". No Exceptions.			
Item 10	The 3/16" front head sheet shall be reinforced vertically with two evenly spaced 3" boxed angles and one full width horizontal boxed angle. Both sides will have 2 vertical 5" box braces on each side.			
Item 11	The boxed rear corner post shall be 1/4" x 4-1/2" x 8-3/4". No Exceptions. Four banjo plates two each post, upper and lower tailgate hardware shall be integral with rear corner post.			
Item 12	The 4-1/2" x 4-1/2" boxed top rails shall be dirt shedding inward. Top rails shall have 6" board pockets welded to the front and rear corner post.			
Item 13	The double acting tailgate shall be six panel boxed perimeter and verticals shall be 4" x 2-3/4" channel with boxed reinforcement, dirt shedding.			
Item 14	Upper offset tailgate hinges shall be 3/4" lube able and retained with a 1-1/4" stainless steel pin. The 1-1/4" lower pins shall rest in the pin saddle when the tailgate is closed.			
Item 15	The latches shall be air operated, over center self-locking type, with a timed 1-1/4" cross shaft. All tailgate linkage including air cylinder brackets shall be constructed from 304 Stainless Steel and lube-able. Brake chamber type actuators will not be accepted. No Exceptions. There shall be two GR43. 3/8" chains and four banjo plates, two each side to secure tailgate in the open position.			
Item 16	The underside of the Hardox 450 tilting floor shall be reinforced with a minimum of eight 4" x 2" x 3/16" Stainless steel tubes. The			



	underside of the body shall have factory applied, snow and ice melt resistant undercoat material meeting FMVSS 302-49CFR Code. Mild steel, honeycomb or channel understructure will not be accepted.			
Item 17	The front of the tilting floor shall have 3/16" tapered reinforcement from the inside of the boxed top rail to the hinged floor. A, 2" x 2" angle reinforcement shall be at the top of the taper and retain the front wiper			
Item 18	The rear corner post of the tilting floor shall have 2-1/2" x 2-1/2" capped vertical reinforcement angle.			
Item 19	There shall be four, heavy duty, bolt on, 304 Stainless steel, replaceable hinges, that the floor rotates on. The Stainless steel hinge tubes shall be 2-1/4" OD and machined to accept 1-1/4" Stainless steel hinge pin, double lip seals on each end with Delrin seals and a grease fitting. Mild steel and or piano type hinges will not be accepted. No Exceptions.			
Item 20	Grease line extensions from each hinge shall terminate on a remote manifold mounted in a convenient location. A telescopic safety prop shall be centered on the bottom of the floor.			
Item 21	Two 4" double acting cylinders with 2" rods shall be positioned in such a way to achieve a minimum of 35 degree tilt angle with 20 ton capacity. Cylinder rods shall be constructed of Socatri induction hardened nickel alloy steel. Chrome cylinders or cylinders with external packing glands will not be accepted.			
Item 22	Cab shield shall be 24" 304 Stainless steel 10 Gauge. Maximum height for the cab shield will be 9'6". No Exceptions.			
Item 23	The conveyor assembly will be fully removable by 16 stainless steel carriage bolts. Single pin systems or fixed conveyor assemblies will not be accepted.			
Item 24	There shall be two hinged Hardox 450 Floor			



	plates that cover the conveyor when not in use. No Exceptions. Provisions to retain floor plates in the open position shall be provided.			
Item 25	The conveyor shall be constructed completely from 3/16" 304 Stainless steel longitudinal, cross members and Hardox 450 floor. No Exceptions.			
Item 26	Conveyor chain will have two polymer wear strips mounted on the return side to prevent wear. No exceptions.			
Item 27	Conveyor chain will be adjusted by two 1" stainless steel threaded tensioners with jam nuts. Grease type tensioners will not be accepted.			
Item 28	An adjustable & tapered 304 Stainless Steel poly lined material chute shall be frame mounted on stainless steel tube bracket along with an adjustable 304 stainless steel spinner assembly with 18" poly disc. Mild steel spinner assemblies will not be accepted. Body mounted poly only material chute assemblies will not be accepted.			
Item 29	The trunion mounted front telescopic hoist shall be nitrated and allow a minimum of 50 degree dump angle with 25 ton capacity. Frame saddle and mounting is to be provided and factory powder coated black			
Item 30	The rear hinge shall be 4" angle, 1" plate, and 3" wide flame cut hinge pads with Delrin bushings, grease zerks and 2" Stainless steel hinge pins. Mild steel pins will not be accepted. No Exceptions.			
Item 31	The plow frame attachment shall be custom manufactured tilt away hitch, installed on chassis front frame extensions with 8" 15# channel mounted on 1/2" plate and bolted to inside of frame extensions, 1/2" x 8" custom manufactured side cheek plates reinforced internally with 2" x 1/4" flat faced angle, with 2" x 1/2" welded thrust plates, bolted to lower front plow hitch utilizing no less than three			



	grade 8 , 3/4” flange bolts and nuts, mounted as far back on chassis frame as possible. A one piece custom 1/2” “Z” bracket bolted to chassis and bolted to check plate utilizing no less than three grade 8, 3/4” flange bolts and nuts. Dual push centers, custom manufactured auxiliary plow light brackets, Factory powder coated black.			
Item 32	Front lift yoke shall have dual chain hook ups with telescopic lifting arm.			
Item 33	Plow lift cylinder shall be 4” double acting, 4” bore with 10” stroke			
Item 34	Whelen emergency lighting system shall consist of Stainless steel “D” 3 light boxes recessed in to each rear body corner post, with one Whelen amber LED emergency flasher with one TR-3 LED side post amber emergency flasher, one red LED stop, tail and turn signal, and one Halogen back up light each side. Two Whelen “A” Stainless steel light boxes recessed in both front corners of the cab shield at 45 degree angles, boxes shall house 2 Amber LED emergency flashers.			
Item 35	Electrical lighting system Plow lights shall be Truck Light #80800 mounted on the plow hitch. Final location to be determined by Town of Branford representative. Electrical system completely sealed, run by constant duty solenoid and protected by 100 amp resettable circuit breaker, in NAPA junction box, all terminals coated with silicone dielectric grease. Spinner light-Truck Light Load area light-Truck Light ICC lighting Back up alarm			
Item 36	Safety and Accessories Ladder, OSHA approved 3 step slide-out and down with self-cleaning steps and grab handle located at left front corner of body. Stainless Steel spring loaded shovel holder.			



	<p>Safety leg to hold the body in raised position, safety leg to hold the floor in raised position, safety decals, mud flaps on stainless steel brackets front and rear of axle with anti-sail braces, center mud flap to protect rear brake chambers, Owner's manual.</p>			
Item 37	<p>The electronic auger, spreader and pre-wet controller shall have a 16 bit color touch screen. Storm totals shall be instantly accessible by touching a button on the main screen. Menu items shall be accessible by holding a button on the front panel and shall include embedded help screen including "guided calibration." Night mode shall be available by touching a button on the main screen. The controller will have "on-screen" menu based programming using the touch screen for setup and calibration. The system shall incorporate three levels of security and access that is password protected and defined by user. The three levels shall give the user varying levels of access to the system set-up, data, configuration fields and parameters base upon access given. The "administrator" shall have full access to all menus in the system and have the ability to make system configuration changes as well as changes to the system parameters. The software shall incorporate a "test speed" mode for use in testing the system safely without requiring the truck to be moving or the drive axles engaged. The unit shall be a durable lightweight metal design with a back lit front panel, tactile switches and encoders and field upgradeable using a USB 2.0 compatible thumb drive. The USB port can also be used to download and save storm total and system configuration.</p>			
Item 38	<p>The following are required features for the electronic spreader control.          Blast mode with adjustable timer.          Unload mode</p>			



	<p>Pass mode with instant on/off control</p> <p>Remote functions for blast and pause</p> <p>Four configurable granular materials</p> <p>On-screen error message in plain English</p> <p>Universal mounting bracket</p> <p>The spreader control system shall be a Freedom 2.1 controller manufactured by Certified Power.</p> <p>No Exceptions</p>			
Item 39	<p>Hydraulic System</p> <p>The hydraulic system furnished shall be completely installed and be capable of powering and controlling all hydraulic requirements satisfactory, both independently and collectively. The components listed herein have been chosen for their ability to provide long-term durability and ease of service.</p>			
Item 40	<p>The hydraulic pump will be mounted and driven by a Chelsea transmission mounted power take off. The PTO will feature cast iron construction and hot shift style engagement operated through the in cab control system. The PTO shall have a rotatable pump mounting flange to avoid interference with transmission and chassis frame rail.</p>			
Item 41	<p>The hydraulic pump shall be a Danfoss series 45 axial piston pump model JR-R-S60B-LS-14-24 NO EXCEPTIONS. To ensure system compatibility the pump and valve shall be constructed by the same manufacture. The pump will feature an internal bleed down compensator and SAE flange type porting. Pump size to be a minimum of 60cc.</p>			
Item 42	<p>The hydraulic valve is to be Danfoss PVG32 and of mobile design. Valve must contain sections for plow raise/lower, plow angle, body raise, side tilt raise/lower with down side relief, and load cover. There shall be a three function cartridge type manifold directly</p>			



	<p>bolted to the last section that provides hydraulic flow to the body auger, chassis mounted spinner, and pre-wet systems. Power beyond type arrangements will not be accepted. Valve to be pressure and flow compensated for all functions. A valve that is a “Hybrid” with individual sections mounted to a common manifold will not be accepted. Due to the flow requirements full cartridge designs will also not be acceptable.</p>			
Item 43	<p>The hydraulic valve shall be installed in a combination hydraulic tank/valve enclosure, with internal stainless steel tubes and feed out the front side on the valve tank combo, bottom supplied units will not be accepted.. The enclosure shall be of 304 stainless steel construction. The cover shall be gasketed and held in place by rubber straps. There shall be two handles to allow easy removal of the cover. The valve shall be mounted in the enclosure through the use of bulkhead fittings. The tank section shall be a minimum capacity of 40 gallons. A 100 micron stainless steel suction line strainer shall be installed in the suction port. A magnetic drain plug and sight/temperature gage shall be provided. A 10 micron cartridge type return filter shall be provided and integrally install in the reservoir section.</p>			
Item 44	<p>Body, plow and load cover controls shall DEL air over hydraulic. There shall be direct mounted air actuators on each valve section with fine proportional control of the spool. All connections shall be enclosed with no moving parts exposed.</p>			
Item 45	<p>Control levers to be mounted on a custom swivel tower with integrated, swivel on 4” tube with gusseted floor mount custom fitted to chassis floor, tower to include adjustable electronic control mount. Mounting location to be determined by the Town prior to</p>			



	installation. No exceptions			
Item 46	Load cover shall be Hydraulic Power Cover Model DT-1200, the asphalt tarp operating from central hydraulic system			
Item 47	Tow Plate Shall be constructed from ¾” steel, appropriately welded and braced, with 25 ton swivel-type pintle hook, heavy duty D-Rings and 7 wire trailer plugs.			
Item 48	Monroe model MP36R10-ISCT snow plow with dual chain lift, guide markers, parking jack. No Exceptions.			
Item 49	Prior to assembly non Stainless Steel manufactured components shall be factory powder coated			
Item 50	Fasteners All fasteners used on body, hoist, hitch and other allied equipment and related parts shall be of USA origin with proper markings, grade 8 or better meeting the Fastener Quality Act (FCA) which requires them to meet or exceed the requirements of SAE J429 Standards			
Item 51	<i>NOTE: All Stainless steel components described above must be 304B Stainless steel</i>			
Item 52	<i>NOTE: All Hardox steel described above must be AR 450 205,000 PSI steel</i>			
Item 53	<i>All welding performed must be in compliance with current AWS procedures and guide lines recognized within the state of manufacture</i>			
Item 54	<i>Manufacture shall attach their standard warranty statement. All components described herein shall carry a one year warranty</i>			



**TOWN OF BRANFORD, CT**

**BID PROPOSAL SHEET**

**BID PROPOSAL FOR:** 2017 MODEL YEAR CHASSIS TO BE EQUIPPED WITH DUMP BODY, SAND SPREADER, PLOW, HITCH AND CENTRAL HYDRAULICS.

IN ACCORDANCE WITH THE INSTRUCTIONS TO BIDDERS AND SPECIFICATIONS,

WE HEREBY PROPOSE TO FURNISH ALL LABOR AND MATERIALS REQUIRED BY THE CONTRACT DOCUMENTS AS FOLLOWS:

TOTAL DELIVERED PRICE (AS SPECIFIED): \_\_\_\_\_

DATE(S) OF DELIVERY: \_\_\_\_\_

COMPANY NAME: \_\_\_\_\_

COMPANY ADDRESS: \_\_\_\_\_

NAME OF AUTHORIZED REPRESENTATIVE: \_\_\_\_\_

SIGNATURE OF AUTHORIZED REPRESENTATIVE: \_\_\_\_\_

DATE: \_\_\_\_\_

TITLE: \_\_\_\_\_

BID BOND REQUIRED NO

BID BOND ENCLOSED (IF REQUIRED): NO

PERFORMANCE BOND REQUIRED: NO



The bidder must state “yes” or “no” to each specification item in the line provided. All deviations must be explained in the bid completely,

**CAB/CHASSIS SPECIFICATIONS:**

**WHEEL BASE:** 164 inches YES \_\_\_\_ NO \_\_\_\_

**CAB TO AXLE:** 96 inches YES \_\_\_\_ NO \_\_\_\_

**G.V.W.R.:** 37,700 pounds YES \_\_\_\_ NO \_\_\_\_

**ENGINE:** 2017 EPA/CARB Emission in line 6 cylinder diesel engine. Turbo-charged American manufactured, meeting Emissions Certifications for model year, 330 HP minimum, 1,000 ft./lbs. of torque @ 1400 RPM minimum, electronic shutdown system, 110-volt block heater, engine protection for oil and coolant malfunctions. Engine must be wet sleeved and come with a factory engine brake, only 1 EGR valve allowed on engine.

YES \_\_\_\_ NO \_\_\_\_

**RADIATOR:** 1100 Square Inch Stone/bug guard installed. 5 year warranty.

YES \_\_\_\_ NO \_\_\_\_

**COOLANT:** Permanent extended life type for -34F heavy duty coolant.

YES \_\_\_\_ NO \_\_\_\_

**TRANSMISSION:** Allison automatic 3500 RDS electronic 6-speed with electric shift PTO for dump body, transmission oil will be Transynd with extended warranty. Transmission Oil Temperature Gauge. Push button dash-mounted shift pad. Warranty good for 5 years from date of in-service.

YES \_\_\_\_ NO \_\_\_\_



**STEERING:** TRW -85 Power Steering w/ 2 quart reservoir.  
YES \_\_\_\_ NO \_\_\_\_

**FRONT AXLE:** 14,700 LB with 16,000 LB taper leaf springs severe duty service, “wet type” oil seals. Drag link and tie rods grease able with front shocks installed. Set back front axle.  
YES \_\_\_\_ NO \_\_\_\_

**REAR AXLE:** 23,000 LB rear axle w/ Driver-controlled differential Lock  
26,000LB Rear Springs with Helpers and Radius Rods. 5.63 rear gear ratio.  
YES \_\_\_\_ NO \_\_\_\_

**BRAKES:** Air drum type brakes, cam actuated all wheels with backing plates, automatic slack adjusters, spring set parking brake (30/30) and non-asbestos brake lining. Vehicle shall have rear emergency and air couplings for trailer towing capability to include electrical connections. Cast Shoes on Rear.  
YES \_\_\_\_ NO \_\_\_\_

**AIR INTAKE:** Side of Hood Air intake with firewall mounted Donaldson or equivalent air cleaner with passive precleaner and inside/outside air door with snow door.  
YES \_\_\_\_ NO \_\_\_\_

**AIR COMPRESSOR:** 18.7 CFM air compressor or equivalent.  
YES \_\_\_\_ NO \_\_\_\_

**ABS:** WABCO 4S/4M ABS with traction control.  
YES \_\_\_\_ NO \_\_\_\_



**AIR DRYER:**

Bendix AD-9 air dryer, heated, drain cocks for air tanks with lanyards attached for easy access. Frame mounted.

YES \_\_\_\_ NO \_\_\_\_

**FRAME:**

120,000 KSI Frame shall extend 70 inches aft of center rear axle. Frame shall be one piece, not welded or fabricated. 8" Bolt on front frame extension, Factory equipped.

YES \_\_\_\_ NO \_\_\_\_

**FUEL TANK:**

40 Gallon aluminum left hand side of cab, filled on delivery.

YES \_\_\_\_ NO \_\_\_\_

**DEF TANK:**

6 Gallon DEF tank, plastic, mounted alongside of fuel tank, filled at delivery.

YES \_\_\_\_ NO \_\_\_\_

**ELECTRICAL:**

160-amp Long brush 28-SI pad mount alternator, two 12 volt, 2,250 CCA, maintenance free batteries. Vehicle interface circuit access box mounted with fuse panel wires and automatic self-reset circuit breakers. A completely sealed system with junction box, all terminals coated with silicone dielectric grease. All auxiliary electrical components to be powered by self-contained, circuit breaker protected electrical distribution system. Junction Box mounted at end of frame. Battery Box mounted LH under cab over fuel tank w/ cover. Halogen spot light mounted in each door.

YES \_\_\_\_ NO \_\_\_\_



**CAB:** All aluminum with fiberglass hood. Inner and outer door cab entry seals required, 106” cab length, maximum height of total unit not to exceed 114”.

YES \_\_\_\_ NO \_\_\_\_

**EXHAUST:** Vertical type, B-pillar design mounted on the passenger’s side of cab. Horizontal after treatment system w/ curved stack.

YES \_\_\_\_ NO \_\_\_\_

**CAB GAUGES & INSTRUMENTS:** Tachometer, engine hour meter (dash mounted), voltmeter, oil pressure gauge, air pressure gauge and low air warning, speedometer, high beam indicator, coolant temperature gauge, Transmission Temp Gauge, air conditioning, AM/FM radio with clock, back-up alarm (electronic), intermittent wipers, aux power point, both air and electric horns with shields, solid state back up alarm. Cab must include six factory-installed switches for auxiliary lighting equipment. PTO light for when PTO is activated.

YES \_\_\_\_ NO \_\_\_\_

**MIRRORS:** Swing away Bright power heated mirrors with 8” heated convex “spot” mounted below primary mirror arms.

YES \_\_\_\_ NO \_\_\_\_

**SEATS:** Elite Series High back air suspension, heated with air lumbar support. Two man passenger tool box with non-suspended fixed base.

YES \_\_\_\_ NO \_\_\_\_

**TIRES & WHEELS:** Front tires; 12R 22.5, 16 ply, Radial Goodyear G-731 or District approved equal. Rear tires; Goodyear, G282; MSD 11R 22.5, 16 ply, H-rated Radial. All tires will be mounted on hub piloted steel disc rims, painted white.

YES \_\_\_\_ NO \_\_\_\_



**COLOR:** Manufacturer’s Red L2225EB base coat clear coat. All body parts requiring paint shall be sand blasted and painted to match the color of the cab. All spot painting shall be properly prepared and primed before the finish coat is applied.

YES \_\_\_\_ NO \_\_\_\_

**FRONT GRILLE:** Grille SHALL BE STATIONARY with tilting hood only.

YES \_\_\_\_ NO \_\_\_\_

**TOWING:** 4 years unlimited mileage towing to selling dealer for any drivetrain related failure. 3 year base chassis warranty, unlimited mileage. Cummins DC1 coverage; 4 years or 150,000 miles

YES \_\_\_\_ NO \_\_\_\_

Make And Model Proposed: Truck Body/Plow	Comply		Deviations From Specifications
	Yes	No	

	Body shall be constructed entirely from 304 Stainless Steel with the exception of the center floor plate and the long members. Multiple material test samples will be taken from the awarded supplier to ensure they are as stated in the specification. The body shall be manufactured in America by an American company. No exceptions.			
Item 1	Body			
	Body shall have the ability to be used as a conventional dump body or as a material spreader. Unit shall have an integral removable conveyor with the discharge on the left front of body			
Item 2	The body shall have an inside length of 120” and inside width of 88”			
Item 3	Inside side height shall be 28”, with the			



	tailgate and front head sheet 38"			
Item 4	Body capacity shall be 6 – 7 cubic yards			
Item 5	All welds shall be 100% continuous			
Item 6	The sides, front and tailgate shall be constructed from 3/16" 304 Stainless steel, 85,000 PSI. No Exceptions			
Item 7	The floor shall be constructed from 3/16" Hardox 450 205,000 PSI steel. No Exceptions			
Item 8	Long members shall be 12" x 25.4 # S-Beam reinforced internally with three 1/4" x 3" channel and externally with eight 1/4" x 2" x 3/16" stainless steel box tubes and one additional 4" channel. No Exceptions.			
Item 9	The boxed design front corner post shall be 1/4" x 4-1/2" x 6" No Exceptions			
Item 10	The 3/16" front head sheet shall be reinforced vertically with two evenly spaced 3" boxed angles and one full width horizontal boxed angle Both sides will have 2 vertical 5" box braces on each side			
Item 11	The boxed rear corner post shall be 1/4" x 4-1/2" x 8-3/4" No Exceptions. Four banjo plates two each post, upper and lower tailgate hardware shall be integral with rear corner post			
Item 12	The 4-1/2" x 4-1/2" boxed top rails shall be dirt shedding inward. Top rails shall have 6" board pockets welded to the front and rear corner post			
Item 13	The double acting tailgate shall be six panel Boxed perimeter and verticals shall be 4" x 2-3/4" channel with boxed reinforcement, dirt shedding			
Item 14	Upper offset tailgate hinges shall be 3/4" lube able and retained with a 1-1/4" stainless steel pin. The 1-1/4" lower pins shall rest in the pin saddle when the tailgate is closed			



Item 15	The latches shall be air operated, over center self-locking type, with a timed 1-1/4" cross shaft. All tailgate linkage including air cylinder brackets shall be constructed from 304 Stainless Steel and lube-able. Brake chamber type actuators will not be accepted. No Exceptions. There shall be two GR43. 3/8" chains and four banjo plates, two each side to secure tailgate in the open position			
Item 16	The underside of the Hardox 450 tilting floor shall be reinforced with a minimum of eight 4" x 2" x 3/16" Stainless steel tubes. The underside of the body shall have factory applied, snow and ice melt resistant undercoat material meeting FMVSS 302-49CFR Code. Mild steel, honeycomb or channel understructure will not be accepted.			
Item 17	The front of the tilting floor shall have 3/16" tapered reinforcement from the inside of the boxed top rail to the hinged floor. A, 2" x 2" angle reinforcement shall be at the top of the taper and retain the front wiper			
Item 18	The rear corner post of the tilting floor shall have 2-1/2" x 2-1/2" capped vertical reinforcement angle			
Item 19	There shall be four, heavy duty, bolt on, 304 Stainless steel, replaceable hinges, that the floor rotates on. The Stainless steel hinge tubes shall be 2-1/4" OD and machined to accept 1-1/4" Stainless steel hinge pin, double lip seals on each end with Delrin seals and a grease fitting. Mild steel and or piano type hinges will not be accepted. No Exceptions.			
Item 20	Grease line extensions from each hinge shall terminate on a remote manifold mounted in a convenient location. A telescopic safety prop shall be centered on the bottom of the floor			
Item 21	Two 4" double acting cylinders with 2" rods shall be positioned in such a way to achieve a minimum of 35 degree tilt angle with 20 ton			



	capacity. Cylinder rods shall be constructed of Socatri induction hardened nickel alloy steel. Chrome Cylinders or cylinders with external packing glands will not be accepted.			
Item 22	Cab shield shall be 24" 304 Stainless steel 10 Gauge. Maximum height for the cab shield will be 9'6" No Exceptions.			
Item 23	The conveyor assembly will be fully removable by 16 stainless steel carriage bolts. Single pin systems or fixed conveyor assemblies will not be accepted.			
Item 24	There shall be two hinged Hardox 450 Floor plates that cover the conveyor when not in use. No Exceptions. Provisions to retain floor plates in the open position shall be provided			
Item 25	The conveyor shall be constructed completely from 3/16" 304 Stainless steel longitudinal, cross members and Hardox 450 floor No Exceptions.			
Item 26	Conveyor chain will have two polymer wear strips mounted on the return side to prevent wear. No exceptions			
Item 27	Conveyor chain will be adjusted by two 1" stainless steel threaded tensioners with jam nuts. Grease type tensioners will not be accepted.			
Item 28	An adjustable & tapered 304 Stainless Steel poly lined material chute shall be frame mounted on stainless steel tube bracket along with an adjustable 304 stainless steel spinner assembly with 18" poly disc. Mild steel spinner assemblies will not be accepted. Body mounted poly only material chute assemblies will not be accepted.			
Item 29	The trunnion mounted front telescopic hoist shall be nitrated and allow a minimum of 50 degree dump angle with 25 ton capacity. Frame saddle and mounting is to be provided and factory powder coated black			
Item 30	The rear hinge shall be 4" angle, 1" plate, and 3" wide flame cut hinge pads with Delrin			



	bushings, grease zerks and 2" Stainless steel hinge pins. Mild steel pins will not be accepted. No Exceptions.			
Item 31	The plow frame attachment shall be custom manufactured tilt away hitch, installed on chassis front frame extensions with 8" 15# channel mounted on 1/2" plate and bolted to inside of frame extensions, 1/2" x 8" custom manufactured side cheek plates reinforced internally with 2" x 1/4" flat faced angle, with 2" x 1/2" welded thrust plates, bolted to lower front plow hitch utilizing no less than three grade 8, 3/4" flange bolts and nuts, mounted as far back on chassis frame as possible. A one piece custom 1/2" "Z" bracket bolted to chassis and bolted to check plate utilizing no less than three grade 8, 3/4" flange bolts and nuts. Dual push centers, custom manufactured auxiliary plow light brackets, Factory powder coated black.			
Item 32	Front lift yoke shall have dual chain hook ups with telescopic lifting arm.			
Item 33	Plow lift cylinder shall be 4" double acting, 4" bore with 10" stroke			
Item 34	Whelen emergency lighting system shall consist of Stainless steel "D" 3 light boxes recessed in to each rear body corner post, with One Whelen amber LED emergency flasher with one TR-3 LED side post amber emergency flasher, One red LED stop, tail and turn signal, and one Halogen back up light each side. Two Whelen "A" Stainless steel light boxes recessed in both front corners of the cab shield at 45 degree angles, boxes shall house 2 Amber LED emergency flashers			
Item 35	Electrical lighting system Plow lights shall be Truck Light #80800 mounted on the plow hitch. Final location to be determined by Town of Branford representative. Electrical system completely			



	<p>sealed, run by constant duty solenoid and protected by 100 amp resettable circuit breaker, in NAPA junction box, all terminals coated with silicone dielectric grease.</p> <p>Spinner light-Truck Light Load area light-Truck Light ICC lighting Back up alarm</p>			
Item 36	<p>Safety and Accessories</p> <p>Ladder, OSHA approved 3 step slide-out and down with self-cleaning steps and grab handle located at left front corner of body.</p> <p>Stainless Steel spring loaded shovel holder.</p> <p>Safety leg to hold the body in raised position, safety leg to hold the floor in raised position, safety decals, mud flaps on stainless steel brackets front and rear of axle with anti-sail braces, center mud flap to protect rear brake chambers, Owner's manual.</p>			
Item 37	<p>The electronic auger, spreader and pre-wet controller shall have a 16 bit color touch screen. Storm totals shall be instantly accessible by touching a button on the main screen. Menu items shall be accessible by holding a button on the front panel and shall include embedded help screen including "guided calibration." Night mode shall be available by touching a button on the main screen. The controller will have "on-screen" menu based programming using the touch screen for setup and calibration. The system shall incorporate three levels of security and access that is password protected and defined by user. The three levels shall give the user varying levels of access to the system set-up, data, configuration fields and parameters base upon access given. The "administrator" shall have full access to all menus in the system and have the ability to make system configuration changes as well as changes to the system parameters. The software shall</p>			



	<p>incorporate a “test speed” mode for use in testing the system safely without requiring the truck to be moving or the drive axles engaged. The unit shall be a durable lightweight metal design with a back lit front panel, tactile switches and encoders and field upgradeable using a USB 2.0 compatible thumb drive. The USB port can also be used to download and save storm total and system configuration.</p>			
Item 38	<p>The following are required features for the electronic spreader control.            Blast mode with adjustable timer.            Unload mode            Pass mode with instant on/off control            Remote functions for blast and pause            Four configurable granular materials            On-screen error message in plain English            Universal mounting bracket            The spreader control system shall be a Freedom 2.1 controller manufactured by Certified Power.            No Exceptions</p>			
Item 39	<p>Hydraulic System            The hydraulic system furnished shall be completely installed and be capable of powering and controlling all hydraulic requirements satisfactory, both independently and collectively. The components listed herein have been chosen for their ability to provide long-term durability and ease of service.</p>			
Item 40	<p>The hydraulic pump will be mounted and driven by a Chelsea transmission mounted power take off. The PTO will feature cast iron construction and hot shift style engagement operated through the in cab control system. The PTO shall have a rotatable pump mounting flange to avoid interference with transmission and chassis frame rail.</p>			



Item 41	<p>The hydraulic pump shall be a Danfoss series 45 axial piston pump model JR-R-S60B-LS-14-24 NO EXCEPTIONS. To ensure system compatibility the pump and valve shall be constructed by the same manufacture. The pump will feature an internal bleed down compensator and SAE flange type porting. Pump size to be a minimum of 60cc.</p>			
Item 42	<p>The hydraulic valve is to be Danfoss PVG32 and of mobile design. Valve must contain sections for plow raise/lower, plow angle, body raise, side tilt raise/lower with down side relief, and load cover. There shall be a three function cartridge type manifold directly bolted to the last section that provides hydraulic flow to the body auger, chassis mounted spinner, and pre-wet systems. Power beyond type arrangements will not be accepted. Valve to be pressure and flow compensated for all functions. A valve that is a “Hybrid” with individual sections mounted to a common manifold will not be accepted. Due to the flow requirements full cartridge designs will also not be acceptable.</p>			
Item 43	<p>The hydraulic valve shall be installed in a combination hydraulic tank/valve enclosure, with internal stainless steel tubes and feed out the front side on the valve tank combo, bottom supplied units will not be accepted.. The enclosure shall be of 304 stainless steel construction. The cover shall be gasketed and held in place by rubber straps. There shall be two handles to allow easy removal of the cover. The valve shall be mounted in the enclosure through the use of bulkhead fittings. The tank section shall be a minimum capacity of 40 gallons. A 100 micron stainless steel suction line strainer shall be installed in the suction port. A magnetic drain plug and sight/temperature gage shall be provided. A</p>			



	10 micron cartridge type return filter shall be provided and integrally install in the reservoir section.			
Item 44	Body, plow and load cover controls shall DEL air over hydraulic. There shall be direct mounted air actuators on each valve section with fine proportional control of the spool. All connections shall be enclosed with no moving parts exposed.			
Item 45	Control levers to be mounted on a custom swivel tower with integrated, swivel on 4" tube with gusseted floor mount custom fitted to chassis floor, tower to include adjustable electronic control mount. Mounting location to be determined by the Town prior to installation. No exceptions			
Item 46	Load cover shall be Hydraulic Power Cover Model DT-1200, the asphalt tarp operating from central hydraulic system			
Item 47	Tow Plate Shall be constructed from ¾" steel, appropriately welded and braced, with 25 ton swivel-type pintle hook, heavy duty D-Rings and 7 wire trailer plug.			
Item 48	Monroe model MP36R10-ISCT snow plow with dual chain lift, guide markers, parking jack. No Exceptions.			
Item 49	Prior to assembly non Stainless Steel manufactured components shall be factory powder coated			
Item 50	Fasteners All fasteners used on body, hoist, hitch and other allied equipment and related parts shall be of USA origin with proper markings, grade 8 or better meeting the Fastener Quality Act (FCA) which requires them to meet or exceed the requirements of SAE J429 Standards			
Item 51	<i>NOTE: All Stainless steel components described above must be 304B Stainless steel</i>			
Item 52	<i>NOTE: All Hardox steel described above must be AR 450 205,000 PSI steel</i>			



Item 53	<i>All welding performed must be in compliance with current AWS procedures and guide lines recognized within the state of manufacture</i>			
Item 54	<i>Manufacture shall attach their standard warranty statement. All components described herein shall carry a one year warranty</i>			

**TOWN OF BRANFORD**  
**OFFICE OF THE TREASUER**



1019 Main Street  
Post Office Box 150  
Branford, CT 06405

(203) 488-8394  
FAX: 315-3736

**General Requirements for Bidding  
and  
Instructions to Bidders**

**NOTICE**

Information provided in these specifications is ***CONFIDENTIAL*** and is to be used only for the purpose of preparing a proposal. It is further expected that each bidder will read these specifications with care, for failure to meet every one or a combination of specified conditions may invalidate the proposal.

The Town reserves the right to reject any or all bids or any portion thereof and to accept the bid deemed to be in the best interest of the Town of Branford.

Bidders are requested to submit quotations on the basis of these specifications. Alternate quotations will receive consideration providing such alternatives are clearly explained.

The information contained herein is believed to be accurate and is based upon the latest available information but is not to be considered in any way as a warranty.

Revised 5/2012  
Standard Form

**SECTION I - General Terms and Conditions**

**A. Compliance with Laws**

The bidder shall at all times observe and comply with all laws, ordinances and regulations of the federal, state and local governments, which may in any way affect the preparation or the performance of the contract.

**B. Timetable**

Price quoted must be valid for **60** days. Delivery and installation completion dates must be included in the bid proposal.

**C. Consideration of Proposals**

The Board of Selectmen, or a majority of them, reserve the right to select or reject alternate proposals; to waive informality in proposals; and to reject any and all bids, or accept such bid as shall in its judgement be to the best interest of the Town of Branford.

**D. Bid Bond *\*See Bid Proposal Sheet***

1. A certified check or bank draft made payable to the “Treasurer, Town of Branford”, or a satisfactory bid executed by the bidder and a surety company in an amount no less than five percent (5%) of the base bid, may be required with each proposal.
2. Checks or drafts will be returned to unsuccessful bidders within ten (10) business days of the bid award.

**E. Performance Bond *\*See Bid Proposal Sheet***

Successful bidders may be required to furnish a Performance and Payment Bond in the amount of 100% of the contract sum.

**F. Protection of Work and Property**

Successful bidders shall be responsible for protection of their equipment and materials against theft, damage or deterioration on the site.

**G. Competency of Bidders**

1. Bidders shall have had proven experience in the field of work.
2. Bidders shall submit with their bid a listing of recent work performed within the State of Connecticut of the size equal to or greater than the work being bid.

**H. Alternates**

1. Any alternates to specified materials or workmanship must be separately listed and described in detail.
2. Alternates will be considered in awarding the contract only if they provide, as a minimum requirement, all features contained in the specifications.
3. The Town of Branford reserves the sole right to determine through its agents the equality of alternate products and/or installation procedures.

**I. Bid Requirements**

1. Each bidder shall return two (2) copies of the proposal sheet entitled "Bid Proposal". Each bid proposal must be signed by an authorized agent of the bidder.
2. Each bidder must complete and have notarized the "Non-Collusion Affidavit of Bidder" form. This form must accompany all bids being submitted.
3. Each bidder must be in good standing with the Town of Branford.
4. Successful bidders must obtain any required governmental approvals.

**J. Specifications – General**

The contract shall include all labor and materials, tools and equipment and services required for proper performance of the work as specified hereinafter and as may be required for proper completion of the work in accordance with the highest standards of the trades involved.

**K. Examination of Site**

Prior to submission of the bid, contractor shall visit the site, consult with the supervisor, and become thoroughly familiar with all conditions under which the work will be installed. The contractor will be responsible for any assumptions made regarding the site for the work to be performed.

**SECTION II - Insurance Requirements**

Bidder shall agree to maintain in force at all times during which services are to be performed the following coverages and shall name the Town of Branford as an Additional Insured on a primary and non-contributory basis to the Bidder’s Commercial General Liability and Automobile Liability policies. **These requirements shall be clearly stated in the remarks section on the bidders Certificate of Insurance.** Insurance shall be written with Carriers approved in the State of Connecticut and with a minimum Best’s Rating of A-. In addition, all Carriers are subject to approval by the Town of Branford.

		(Minimum Limits)
General Liability	Each Occurrence	\$1,000,000
	General Aggregate	\$2,000,000
	Products/Completed Operations Aggregate	\$2,000,000
	-Include Waiver of Subrogation	
Auto Liability	Combined Single Limit	
	Each Accident	\$1,000,000
Umbrella (Excess Liability)	Each Occurrence	\$1,000,000
	Aggregate	\$1,000,000
Workers’ Compensation and Employers’ Liability	WC Statutory Limits	
	EL Each Accident	\$500,000
	EL Disease Each Employee	\$500,000
	EL Disease Policy Limit	\$500,000

Original, completed Certificates of Insurance must be presented to the Town of Branford prior to purchase order/contract issuance. Bidder agrees to provide replacement/renewal certificates at least 60 days prior to the expiration of the policy.

**Hold Harmless Requirements**

The contractor shall, at all times, indemnify and save harmless the Town of Branford, its officers, agents, and servants on account of any and all claims, damages, losses, litigation expense, counsel fees and compensation arising out of injuries (including death) sustained by or alleged to have been sustained by the public, any or all persons affected by the contractor’s work, or by the contractor, any subcontractor, material, men or anyone directly or indirectly employed by them or any one of them while engaged in the performance of this contract. The Town of Branford shall be named as an additional insured on said policy of public liability insurance to cover all claims against the Town arising out of said contract.

NON-COLLUSION AFFIDAVIT OF BIDDER

State of: \_\_\_\_\_

County of: \_\_\_\_\_, SS)

\_\_\_\_\_ ; being first duly sworn, deposes and says that:

- 1) S/he is (owner, partner, officer, representative or agent) of \_\_\_\_\_, the Bidder that has submitted the attached Bid:
- 2) S/he is fully informed regarding the preparation and contents of the attached Bid and of all pertinent circumstances regarding such Bid:
- 3) Such Bid is genuine and is not a collusive or sham Bid:
- 4) Neither the said Bidder nor any of its officers, partners, owner, agents, representatives, employees or parties in interest, including this affiant, has in any way colluded, conspired, connived, or agreed, directly or indirectly with any other Bidder, firm or person to submit a collusive or sham Bid in connection with the Contract for which the attached Bid has been submitted or to refrain from bidding in connection with such Contract, or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Bidder, firm or person to fix the price or prices in the attached Bid or of any Bidder, or to fix any overhead, profit or cost element of the bid price or the bid price of any other Bidder or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage with the Owner or any person interested in the proposed Contract.
- 5) The price quoted in the attached Bid is fair and proper and is not tainted by collusion, conspiracy, connivance or unlawful agreement on the part of the Bidder or any of its agents, representatives, owners, employees, or parties in interest.

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

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

Subscribed and sworn before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

Notary Public: \_\_\_\_\_

My Commission expires \_\_\_\_\_, 20\_\_\_\_.