



April 7, 2026

Tender Requirements T-2026-10

The City of Dryden invites tenders to **supply One (1) New 2026 Combination Sewer Cleaner/Hydro-Vac Truck**, as defined below for a 48- or 60- months lease The City requires one (1) hydro-vac truck equipped with a boiler for heated water capability. This unit is expected to perform a variety of hydro-excavation operations in all weather conditions. Variations from the requirements that are minor in nature and do not alter the intent of the specification will be accepted. Any variations should be detailed in your tender. Acceptance shall be subject to the inspection and approval of the City of Dryden. **Delivery no sooner than November 1st, 2026.**

Cab and Chassis Requirements

1. CMVSA	
Vehicle Shall Meet or Exceed the Mandatory Requirements of the Canada Motor Vehicle Safety Act as well as Regulations in Effect on the Date of Manufacture. The Vehicle Must Display the National Safety Mark.	Yes: No:
2. Weight	
G.V.W. – 29,337 kg (66,000lbs) Minimum	Specify:
G.A.W. – Front – 9,072 kg (20,000lbs) Minimum	Specify:
G.A.W. – Rear – 20,865 kg (46,000lbs) Minimum	Specify:
Allowable G.V.W. as Supplied Shall be Shown on a Mylar or Metal Tag Attached to Truck	Yes: No:
Chassis Weight	Specify:
3. Engine	
Tier 4 Diesel, Water Cooled, Inline, Four Stoke Cycle, Six Cylinder, Sleeved Engine Governed for Vocational Use	Specify:
261kW (350HP) Minimum Gross Engine Horsepower Within Governed RPM Range (SAE J 1349)	Specify:
Net Torque Shall be 1,150ft-lbs @ 1,450RPM Minimum	Specify:
Variable Engine Brake	Yes: No:

	Minimum 3 Year All Inclusive Engine Warranty with Optional Extended Coverage	Specify:
4.	Engine Equipment	
	Key On/Off Engine Control	Yes: No:
	200 Amp Minimum Capacity Brushless Alternator	Specify:
	Alternator will Produce 50 Amp Minimum at Engine Idle	Specify:
	3 – Maintenance Free 12V Batteries, 2775 CCA Combined Minimum	Specify:
	Batteries Mounted Behind Cab Must be <ul style="list-style-type: none"> - Mounted on the Left Side - Easily Accessible - Master Shut-Off Switch Mounted Outside Driver's Door (Area) with Appropriate Guarding 	Yes: No:
	Automatic Temperature Controlled On/Off Fan Clutch	Yes: No:
	High Temperature and Low Oil Pressure Engine Protection Lights as well as Audible Warning Device Installed.	Yes: No:
	Dry Type Air Cleaner with Dual Elements	Yes: No:
	Engine Block Heater 125W Minimum	Yes: No:
	Engine Anti-Freeze Set to -40°C	Yes: No:
	Exhaust Pipe Shall be <ul style="list-style-type: none"> - Vertical - Frame Mounted - Equipped with a Rain Cap or 90° Bend on Top 	Yes: No:
	Engine Hood Shall Be/Have <ul style="list-style-type: none"> - Forward Tilting - Adequate Hatches to Provide Easy Access to Engine - Fender Extensions to Accommodate Front Tires - Hood Tilt Assist Struts 	Yes: No:
5.	Transmission	
	Allison 3000RDS 6 Speed Transmission	Specify:
	In Cab Transmission Oil Temperature Gauge	Yes: No:
	Transmission Supplied with 100% Synthetic Oil Approved for Extended Warranty	Yes: No:
	PTO Run Off Transmission	Yes: No:
6.	Axle	
	Power Assisted Steering with Tilt and Telescopic Steering Wheel	Yes: No:

	Front Axle	
	Oil Lubricated Wheel Bearings – Synthetic Oil	Yes: No:
	Stemco Series 343 or Equivalent Wheel Hub Covers	Yes: No:
	Rear Axle	
	Single Speed Meritor MT 40-14X-4DRC-P with Driver Controlled Differential as well as Axle Locks for Front and Rear Differentials or Equivalent	Specify: Ratio:
	Rear Differential Axle Supplied with 100% Synthetic Oil	Yes: No:
	Road Speed Set to 100km/h	Yes: No:
7.	Wheels and Tires	
	Dual Rear Wheels	Yes: No:
	Power Coated Hub Piloted Steel Disc Wheels	Yes: No:
	2 – Front Disc Wheels 571mm x 226mm (22.5in x 9in)	Yes: No:
	8 – Rear Disc Wheels 571mm x 209mm (22.5in x 8.25in)	Yes: No:
	Front	
	2 - First Line Steel Belted Radial Tubeless Tires	Specify:
	Load Range - J	Specify:
	Standard Highway Rib Thread	Yes: No:
	Rear	
	4 – First Line Steel Belted Radial Tubeless Tires – 11/R22.5	Specify:
	Load Range – H	Specify:
	Traction Tread as per Spec. #0099-3T	Yes: No:
	Tread Design	
	Tires – North American Brand Only - Goodyear Unisteel G291 - Michelin XZA - Approved Equivalent	Specify:
8.	Suspension	
	Front Springs - Ground Rating 4,536kg (10,000lbs) Minimum - Tapered Leaf Springs - Heavy Duty Shock Absorbers	Specify:
	Rear Suspension - 20,865 kg (46,000lbs) Minimum	Specify:

	- <u>Maximum overall operational Vac truck height of 3.56 metres (140”). This may only be achievable with uninflated air suspension.</u>		
9.	Cab		
	Conventional Cab	Yes:	No:
	Full Air Ride Cab	Yes:	No:
	2 Bucket Seats	Yes:	No:
	- Driver’s and Passenger Seat: High Back, Air Suspension, Adjustable Arm Rests, Adjustable Fore and Aft, Fully Padded, Cloth like breathable upholstery inserts	Yes:	No:
	- “Tiger Tough” Seat Covers Installed	Yes:	No:
	Dual Sun Visors	Yes:	No:
	Floor Covering to be Vinyl / Rubber with Rubber Floor Mats	Yes:	No:
	HVAC System with Factory Installed Air Conditioning	Yes:	No:
	Tachometer	Yes:	No:
	Hour Meter	Yes:	No:
	Rain Gutters or Drip Moldings	Yes:	No:
	2 – 7in x 16in Driver Controlled Heated Break Away Side Mirrors	Yes:	No:
	Grab Bars on Driver and Passenger Sides for Entry/Exit	Yes:	No:
	Intermediate and Lower Footsteps on Driver and Passenger Sides	Yes:	No:
	Tinted Glass	Yes:	No:
	Air Horn with Snow Shield	Yes:	No:
	Mud Flaps Mounted:	Yes:	No:
	- Behind Front Tires	Yes:	No:
	- Ahead of Front Drive Axle	Yes:	No:
	- Behind Rear Drive Axle	Yes:	No:
	Electric High Idle Control	Yes:	No:
	Power Windows and Door Locks	Yes:	No:
	In Cab (Preferably Installed on the Rear Cab Panel) Wiring System Terminal Panel Incorporated to Install Additional Lighting	Specify:	
	- Left/Right Turn Signal Light	Yes:	No:
	- Parking Lights	Yes:	No:

	- Backup Lights	Yes:	No:
	- Independent Brake Light	Yes:	No:
10.	Electrical		
	Two 12 Volt Power Points	Yes:	No:
	Back-Up Alarm Installed (Ministry of Labour Spec)	Yes:	No:
11.	Brakes		
	Service Brakes – Full Air Brakes, “S” Cam Drum	Yes:	No:
	Parking Brake – Equipped with an Alarm that will Sound when the Driver’s Door is Open without the Park Brake Applied	Yes:	No:
	Front Brake Size – 419mm x 152mm (16.5in x 5in) Minimum	Specify:	
	Rear Brake Size – 419mm x 178mm (16.5in x 7in) Minimum	Specify:	
	Steering and Drive Axle Dust Shields	Yes:	No:
	Manual Turn Air Tank Drain Valves	Yes:	No:
	Bendix AD-9 Air Dryer with Heater	Yes:	No:
	Air Compressor – 6.23L/s (13.2 CFM) Minimum	Specify:	
	Long Life Aluminum Air Tanks	Yes:	No:
	Asbestos Free Brake Lining	Yes:	No:
12.	Frame		
	Straight Through Consistent Height Frame Rails	Yes:	No:
	Section Modulus	Specify:	
	Frame Yield Strength	Specify:	
	RBM – 3,500,000 in/lbs Minimum	Specify:	
	Frame Dimensions – Depth x Width x Thickness	Specify:	
	Specify Dimensions of Reinforcement if Equipped	Specify:	
13.	Fuel		
	227L (50imp. gal) Minimum Aluminum Step Tank Located on the Left Side	Yes:	No:
14.	Lighting		
	All Lighting in Compliance with the PMCV Inspection	Yes:	No:

	LED Amber Beacons On Front and Back of Unit	Yes: No:
15.	Paint	
	Fleet Paint - Dark Blue (Color Must Be Approved Before Order)	Specify:
16.	Warranty and Manuals	
	State All Warranties Available, Details and Cost on Separate Sheet	Specify:
	All warranty work F.O.B Dryden and at no additional cost	
	Will Supply: 1 – Parts Manual 1 – Service Manual 2 – Operators Manuals	Yes: No:
17.	Additional	
	Closest Dealer/Repair Shop to Dryden, Ontario	Specify:
	Country of Truck Manufacture If Canada, Specify Province	Specify:
	Country of Hydro Vac Manufacture If Canada, Specify Province	Specify:
	A Valid Periodic Mandatory Commercial Vehicle Inspection Sticker will be Supplied	Yes: No:

Combination Sewer Cleaner/Hydro Vac Specifications

18.	Water System	
	1000 Gallon Water Tank Minimum	Specify:
	<i>80 GPM @ 2,500 PSI Water System</i>	Specify:
	Multi-Flow Variable Pressure Water System	Yes: No:
	Water Heater (Boiler) 800,000 BTU	Specify:
	Performance Package (Hydraulic Variable Flow, Dual PTO's, Dual Hydraulic Pumps)	Specify:
	Curbside Mounted Water Pump	Yes: No:
	2" Y-Strainer with 25' Fill Hose	Yes: No:
	3" Y-Strainer @ Water Pump with 3" Drain Valve	Yes: No:

	Handgun assembly with 35' x 1/2" hose with quick disconnects midship mounted with ground level access	Yes:	No:
	Heated handgun cabinet (heats a cabinet to house the high-pressure reel(s) installed on the unit)	Yes:	No:
	Air Purge	Yes:	No:
	Cold Weather Recirculator, PTO Driven, 25 GPM	Specify:	
	Insulated, Wrapped Water Lines	Yes:	No:
	Flexible Hose Guide	Yes:	No:
	3 Nozzles with Carbide Inserts with Nozzle Rack and 1" Nozzle Pipe Extension (1-30°, SAND 1-30° Sanitary, 1-15° Penetrator)	Yes:	No:
	10' Leader Hose	Yes:	No:
	Water Sight Tubes	Yes:	No:
	Water Relief Valve 1"	Yes:	No:
	Accumulator System for Jet Rodder Water System	Yes:	No:
19.	Debris Body		
	10 Yard Debris Body Capacity	Specify:	
	Ex-Ten Steel Cylindrical Debris Tank	Yes:	No:
	Suction Tube Storage, Curbside - 2 Pipe, Rear Door – 2 Pipe	Yes:	No:
	Flat Rear Door with Hydraulic Locks and Door Power Up / Power Down / Open / Close	Yes:	No:
	Dual 10" Stainless Steel Float Shut Off System / Rear Mounted in the Body	Yes:	No:
	Double Acting Dump Hoist Cylinder	Yes:	No:
	External Liquid Float Level Indicator	Yes:	No:
	Debris Body Vacuum Relief System	Yes:	No:
	Interior Debris Deflector Plate (Replaceable)	Yes:	No:
	60" Dump Height for Dumping in Dewatering Bins	Yes:	No:
	<u>Maximum overall operational Vac truck height of 3.56 metres (140").</u>	Yes:	No:
20.	Vacuum System		

	High performance single engine design for productivity in leaf vacuuming / catch basin cleaning / hydro-excavating and sanitary sewer flushing	Specify:
	Two stage - 38" diameter centrifugal compressors	Specify:
	Centrifugal compressor is driven direct through a helical gear type step-up transmission drive with a step-up ratio of 2 to 1	Specify:
	Gear drive is attached directly to the rotor shaft	Yes: No:
	Gears and bearing are maintained via a splash lubrication system, requiring no manual greasing	Yes: No:
	Drive system does not utilize pillow block bearings that require excessive daily greasing	Yes: No:
21.	Boom System	
	180° 10' x 15' Rapid Deployment Boom	Specify:
	Post Type Front Bumper Boom Storage	Yes: No:
	Joystick Control for Boom Function – One (1) Front	Yes: No:
22.	Hose Reel	
	15" Hydraulic Telescoping & 270° Rotating Hose Reel with Dual Controls	Yes: No:
	Front Mounted, Minimum 600ft Capacity	Yes: No:
	Mi600 x 1" Plastic Sewer Hose, 2500 Psi Working / 6250 Psi Burst Pressure	Yes: No:
	Hose Reel Manual Hydraulic Extend/Retract	Yes: No:
	Rodder Hose Pinch Roller / Tensioner	Yes: No:
	Hose Wind Guide (Dual Roller), Auto, Non-Indexing	Yes: No:
	Hose Footage Counter Located Front Side of Hose Reel – Mechanical	Yes: No:
	Hose Reel Drive Chain Cover (Full)	Yes: No:
	Front Mounted Control Including the Following Controls and Gauges:	
	- Water Pump On / Off with 3 Position Flow Switch	Yes: No:
	- Chassis Throttle Control	Yes: No:
	- Boom Joystick Control	Yes: No:
	- Vacuum Relief Control	Yes: No:
	- Full Multi-Flow Control	Yes: No:
	- Chassis Tachometer and Hour meter	Yes: No:
	- Blower Tachometer and Hour meter	Yes: No:
	- Hour Meter for Water Pump Operation	Yes: No:
	- Hour Meter for PTO Operation	Yes: No:
	- Digital Footage Counter	Yes: No:
	- Digital Water Pressure	Yes: No:

	- Digital Water Flow	Yes:	No:
23.	Electrical System		
	Colour Coded and Function Heat Stamped Sealed Electrical System	Yes:	No:
	Electronic Control Package (IntuiTouch or Equivalent)	Specify:	
	Circuit Breakers	Yes:	No:
	LED Body Lights - Clearance, Back Up, Stop, Tail & Turn	Yes:	No:
	Electronic Back-Up Alarm	Yes:	No:
	Rear Camera System	Yes:	No:
	Waterproof, Rechargeable, Wireless, Handheld, LED Spotlight with 12V Charger and Plug	Yes:	No:
	Work lights, (2) self-Leveling Boom LED	Yes:	No:
	Work lights (2), LED, Rear Door	Yes:	No:
	Work light, LED, Operators Station	Yes:	No:
	Work light, LED, Hose Reel Manhole	Yes:	No:
24.	Miscellaneous Equipment		
	Aluminum, Weatherproof, Lockable Toolbox (48"x22"x24") Mounted Curbside	Yes:	No:
	Toolbox, Behind Cab – 16" W 30"H x 96" D	Yes:	No:
	Safety Cone Storage Rack - Drop in Style	Yes:	No:
	Aluminum Fenders & Mud Flaps	Yes:	No:
	Emergency Flare Kit & 5 lbs. Fire Extinguisher	Yes:	No:
25.	Additional		
	Two Days of Operator Training at The City Of Dryden Public Works Department	Specify:	
	Will Supply. 1 – Parts Manual 1 – Service Manual 2 – Operators Manuals	Specify:	

	State All Warranties Available, Details and Cost on Separate Sheet All warranty work F.O.B. Dryden and at no additional cost.	
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Tenders will not be accepted unless the above conditions are met, or equivalents are agreed upon with the Public Works Manager before tender.