FORM A: BID
(See B8)

1. Contract Title — SUPPLY AND DELIVERY OF SELF PROPELLED ROAD PATCHING MACHINES

2. Bidder

_____
Name of Bidder

_____
Usual Business Name of Bidder as it appears on Invoice (if different from above)

_____
Street

_____
City Province Postal Code

_____
Email Address of Bidder

_____
Facsimile Number

(Mailing address if different)

_____
Street or P.O. Box

_____
City Province Postal Code

_____
GST Registration Number (if applicable)

The Bidder is:

(Choose one)

☐ a sole proprietor

☐ a partnership

☐ a corporation

carrying on business under the above name.

3. Contact Person — The Bidder hereby authorizes the following contact person to represent the Bidder for purposes of the Bid.

_____
Contact Person Title

_____
Telephone Number Facsimile Number

_____
Email Address

4. Definitions — All capitalized terms used in the Contract shall have the meanings ascribed to them in the General Conditions and D3.

5. Offer

The Bidder hereby offers to perform the Work in accordance with the Contract for the price(s), in Canadian funds, set out on Form B: Prices, appended hereto.

6. Commencement of the Work

The Bidder agrees that no Work shall commence until he/she is in receipt of a notice of award from the Award Authority authorizing the commencement of the Work.

7. Contract

The Bidder agrees that the Bid Opportunity in its entirety shall be deemed to be incorporated in and to form a part of this offer notwithstanding that not all parts thereof are necessarily attached to or accompany this Bid.

8. Addenda

The Bidder certifies that the following addenda have been received and agrees that they shall be deemed to form a part of the Contract:

No. _____ Dated _____

_____ _____

_____ _____

9. Time

This offer shall be open for acceptance, binding and irrevocable for a period of sixty (60) Calendar Days following the Submission Deadline.

10. Signatures

The Bidder or the Bidder's authorized official or officials have signed this

_____ day of _____ , 20_____ .

Signature of Bidder or
Bidder's Authorized Official or Officials

_____

_____
(Print here name and official capacity of individual whose signature appears above)

_____

_____
(Print here name and official capacity of individual whose signature appears above)

FORM B: PRICES
(See B9)

SUPPLY AND DELIVERY OF SELF PROPELLED ROAD PATCHING MACHINES

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	QUANTITY OF VEHICLES	UNIT PRICE
1.	Self Propelled Road Patching Machines	16015	EACH	3	
	CITY OF WINNPEG UNITS			**QUANTITY OF VEHICLES**	**TRADE-IN VALUE UNIT PRICE PER VEHICLE**
	Trade in Value for Unit 419-0201		EACH	1	
	Trade in Value for Unit 419-0202		EACH	1	
	Trade in Value for Unit 419-0203		EACH	1	

_____
Name of Bidder

FORM N: DETAILED SPECIFICATIONS 16015

SELF PROPELLED ROAD PATCHING MACHINES

1.0 DESCRIPTION OF EQUIPMENT AND PERFORMANCE-

1.1 These specifications describe the **Supply and Delivery of Self Propelled Road Patching Machines** and other equipment and features as specified herein.

1.2 Shall be capable of consistent top performance for road patching maintenance environments, which is normal to the City of Winnipeg.

1.3 The **Self Propelled Road Patching Machines** and all other items/components shall be the manufacturer's latest models. The equipment shall be furnished complete and ready for operation. Any parts or accessories not specifically mentioned, but which are required to complete and place the equipment in successful operation shall be furnished as though specifically mentioned in these specifications. The complete **Self Propelled Road Patching machines and attachments**, and all parts thereof, shall conform in strength and quality of material and workmanship, to the best standards and engineering practice of the industry.

2.0 PERFORMANCE-

2.1 The responsibility for the design of the **Self Propelled Road Patching Machines**, its performance and reliability shall rest upon the Contractor. The term “repeated failures” as used herein is defined to mean that the same component, subassembly, or assembly develops repeated defects, breakdowns and/or malfunctions rendering the vehicle inoperative, or requiring repeated shop correction, service and/or replacement during the warranty period applicable for said component, subassembly, of assembly. Minor items or ordinary service adjustments are not included, or considered under the scope of “repeated failures”, as well as other factors, such as operational damage due to accidents, misuse or lack of proper maintenance, service and lubrication attention by not following the manufacturer’s preventative maintenance schedule.

2.2 Where the **Self Propelled Road Patching Machines** develops “repeated failures” in service, the Contractor shall make any necessary engineering changes, repairs, alterations or modifications in order to guarantee reliability of performance.

3.0 OTHER SPECIFICATIONS AND STANDARDS-

3.1 All applicable SAE standards form an integral part of these specifications and shall have precedence in any conflict concerning minimum acceptable standards.

3.2 The ratings specified herein state the minimum values acceptable to the City, not implying that these values are sufficient for the design of the particular unit being bid.

3.3 The **Self Propelled Road Patching Machines** and all its components and attachments shall comply with the applicable regulations:

- National Safety Mark, NSM = http://www.tc.gc.ca/eng/acts-regulations/acts-road.htm
- Manitoba Safety and Health Act, Parts 12, 22 =http://web2.gov.mb.ca/laws/statutes/ccsm/w210e.php and http://www.gov.mb.ca/labour/safety/
- Canadian Standards Association, CSA = http://www.csa.ca/about/Default.asp?language=english
- Under Writers of Canada, U/L = http://www.ulc.ca/
- Society of Automotive Engineers, SAE =http://www.sae.org/
- City of Winnipeg Lighting Visibility Standard=http://winnipeg.ca/matmgt/pdfs/PublicWorksEquipLightingVisibility.pdf.

3.4 It will be the responsibility of the Bidder to inform the City of any deficiencies in these specifications, for under this Contract the Contractor shall be held responsible for the design, performance, reliability and satisfactory operational function of the units.

4.0 SERVICE FACILITY-

4.1 For the purpose of warranty repairs, service support and parts availability, the Bidder shall have an authorized service facility located within 10 kilometres of the boundaries of the City of Winnipeg. The facility, or a portion thereof, shall be dedicated to the service, maintenance, parts delivery and parts stock, of the type equipment being offered. Further, Bidders shall provide a description of the service facility including, but not limited to, number of qualified service staff, years of service experience, and general service capabilities within three (3) Business Days upon request of the Contract Administrator. The service facility shall be capable of accommodating the equipment being bid. The Contract Administrator shall determine if the vendor's service facility will qualify or not.

4.2 **STATE LOCATION-**_____

5.0 INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS-

5.1 Each bid will be evaluated based on adherence to all terms, conditions and requirements outlined in the Bid Opportunity package.

5.2 All items in these specifications must be answered indicating compliance or non-compliance. **BIDDERS SHALL STATE "YES" FOR COMPLIANCE OR STATE DEVIATION**, or give reply where requested to do so. Deviations shall be clearly stated and fully detailed. Alternatives will be considered subject to evaluation.

5.3 **EACH BIDDER IS REQUIRED TO FILL IN EVERY BLANK. FAILURE TO DO SO MAY BE USED AS A BASIS FOR REJECTION OF BID**

6.0 QUALIFICATIONS OF MANUFACTURER & CONTRACTOR-

6.1 The manufacturer of the **Self Propelled Road Patching Machines** shall have five (5) years continuous experience manufacturing **Self Propelled Road Patching Machines** _____

6.2 The manufacturer shall have in effect a documented quality control program ensuring that the quality of materials and workmanship, including welding, conforms to the best standards and engineering practice of the industry. _____

6.3 The Contractor shall have five (5) years continuous experience servicing, repairing and maintaining **Self Propelled Road Patching Machines**. _____

6.4 The manufacture shall have in effect a documented quality control program ensuring that the quality of materials and workmanship, including welding, conforms to the best standards and engineering practice of the industry. _____

7.0 REFERENCE LIST-

7.1 The Bidder shall provide five (5) Canadian Municipal/Governmental references using the same equipment being bid. The references must have a minimum of five (5) years **in service experience** of type of equipment required. _____

1._____
2._____
3._____
4._____
5._____

8.0 NATIONAL SAFETY MARK-

8.1 In Canada, modification to new vehicles can only be done at facilities that are recognized by Transport Canada. All of these facilities must have a National Safety Mark from Transport Canada. Transport Canada National Safety Mark is a label that indicates that the modifications are compliant with all current Canadian Motor Vehicle Safety Standards (CMVSS) _____

STATE (NSM) #- _____

9.0 MANITOBA SAFETY INSPECTION-

9.1 The vehicles shall be complete with a current Manitoba Safety Sticker affixed to the driver's side vent window. _____

10.0 SPECIFICATIONS-

WEIGHT DISTRIBUTION

10.1 The road patching machine shall not exceed the City of Winnipeg's limit for gross vehicle weight, axle and tire loads with the unit (including the chassis) fully fuelled and operational with one (1) operator, including a full payload of emulsion and 8,000 lbs. of aggregate. _____

Note: The City of Winnipeg and the Province of Manitoba limit the gross vehicle weight and axle and tire loads to:

- Front axle (steering axle) – 16,094 lbs. (7300 kg).
- Rear axle (single axle) – 20,062 lbs. (9100 kg).
- Tire load – 9 kilograms for each millimetre width of tire (approx. 500 lbs. per inch of tire width). _____

10.2 **State** weight distribution of the complete vehicle with the unit fully fuelled, with one (1) operator, a full payload of liquid emulsion, and 8,000 lbs. of aggregate- _____

10.3 Front axle weight – **state weight (lbs.)-** _____

10.4 Rear axle weight – **state weight (lbs.)-** _____

GVWR-

10.5	Total	32,900 lbs.	_____
10.6	Front	11,900 lbs.	_____
10.7	Rear	21,000 lbs.	_____

DIMENSIONS-

10.8	Wheelbase	As required for a 5 cubic yard capacity hopper/patcher Body, **state-**	_____
10.9	Cab to Axle	As required for a 5 cubic yard capacity hopper/patcher body, **state-**	_____

10.10	Turning radius	**State**-	
	ENGINE-		
10.11	Type	Tier IV Final Diesel, inline 6-cylinder	
10.12	Horsepower	230-250 HP gross	
10.13	Torque	660 lb.-ft.	
10.14	Engine shut down	Low oil pressure / high water temperature	
10.15	Anti-idling	Programming to be determined upon pre-production meeting.	
10.16	Starting Aid	Cold weather starting aid required	
10.17	Fuel Shut-off	Electric solenoid type	
10.18	Air intake	air intake, **state** location-	
10.19	Air cleaner	Dry type, suitable for road patching application	
10.20	Air intake	Air intake restriction indicator dash mounted	
10.21	Oil drain plug	Magnetic type	
10.22	Oil filter	Full flow spin-on type	
10.23	Fuel filter	Spin-on type	
10.24	Fuel/water separator	Heated, drainable preferably mounted under hood, located to be protected from road spray	
10.25	Fuel line primer pump	Required	
10.26	Block heater	Immersion type, 1000 Watt with covered recessed male plug, located under driver's side door	
10.27	Coolant	Extended Life coolant, antifreeze to -40°F (-40°C)	
10.28	Coolant filter	Required	
10.29	Coolant hoses	Premium hoses	
10.30	Fan Drive	Thermostatically controlled, automatic type	
10.31	Air compressor	Water cooled, pressure lubricated, 18 cfm	
	ELECTRICAL SYSTEM-		
10.32	Electrical System	Point to point or multiplex wiring	
10.33	Starter/Alternator	Delco Remy with thermal over crank protection and Brushless 160 amp	
10.34	Circuit breakers	Auto-reset, readily accessible	
10.35	Batteries	Two (2) maintenance free (12)-volt, group 31,	

		2000 CCA combined capacity	_____
10.36	Battery Box	Under seat, under cab or frame mounted c/w enclosure, not to impede with body installation.	_____
10.37	Battery disconnect	In-cab mounted	_____
10.38	Remote boost terminal	Remote battery boost terminal(s) with cover(s), **state** location-	_____
10.39	Cab marker lights	LED located on cab roof	_____
10.40	2-way radio circuit	Independent 20 Amp circuit, ignition powered, wired under dash loose, labelled	_____
	EXHAUST SYSTEM-		
10.41	Configuration	Single horizontal, after treatment frame mounted Right hand side under cab with vertical tail pipe. Exhaust tip height to be determined upon a Pre-production meeting. Shall not impede with body installation.	_____
10.42	Re-gen Process-	Bidder shall **state** re-gen process	_____
10.43	Heat shield	Required over exhaust next to cab door	_____
	TRANSMISSION-		
10.44	Model	Allison 2500 RDS with 6-speed programming with **load Base Management System**.	_____
10.45	Shift selector	Digital push-button type, dash mounted	_____
10.46	Fluid	Synthetic	_____
10.47	Cooling capacity	As per manufacturer's recommendation for severe duty cycle	_____
10.48	Oil level dipstick	Bayonet type with high and low level markings	_____
10.49	Trans. drain plug	Magnetic type	_____
	FRONT AXLE-		
10.50	Type	Must be Meritor 11,900 lbs. capacity	_____
10.51	Fluid	Synthetic	_____
	REAR AXLE-		
10.52	Type	Must be Meritor 21,000 lbs. capacity	_____
10.53	Ratio	As per in city usage, for road patching application and for 110 km/hr top speed, **state** ratio-	_____
10.54	Fluid	Synthetic	_____

HUBS/ HUB SEALS-

10.55	Hub seals	Oil lubricated front and rear	
10.56	Hubs	Iron front & rear hubs	

FRONT SUSPENSION-

10.57	Type	Taper leaf spring suspension 12,000 lbs. capacity	

REAR SUSPENSION-

10.58	Type	Spring suspension, 21,000 lbs. capacity. Suspension must be suited for road patching application.	

RIMS, WHEELS-

10.59	Front	22.5 x 8.25 steel wheels, aluminum hub Piloted	
10.60	Rear	22.5 x 8.25 steel wheels, aluminum hub piloted	

TIRES, FRONT-

10.61	Front Tires-	(Mud & Snow) Front steer tires must be suitable for application and Province of Manitoba weather conditions, **state** make & model of tires-	
10.62	Size	11R 22.5, 14-ply rated for request front GVWR	

TIRES, REAR-

10.63	Rear Tires-	(Mud & Snow). Rear Drive tires must be suitable for application and Province of Manitoba weather conditions, **state** make & model of tires-	
10.64	Size	11R 22.5, 14-ply rated for request rear GVWR	

FRAME-

10.65	Type	Single rail only, suitable for requested GVWR and application. Frame rail must meet the RBM strength required for the request Gross Vehicle Weight Rating	
10.66	Application	Suitable for road patching application	
10.67	Chassis fasteners	Grade-8 threaded hex headed frame fasteners	
10.68	After-frame	As required for a 5 cubic yard capacity hopper/patcher body, **state-**	

STEERING-

10.69	Type	Heavy-duty power, synthetic oil preferred, rated for GVWR	

BRAKES-

10.70	Type	Air, ABS, front disk (to accommodate front aluminum hubs),S-cam drum brakes, front & rear	_____
10.71	Rear Slack adjusters	Meritor (clearance sensing), automatic type	_____
10.72	Parking brake	Spring set, four (4) chamber system	_____
10.73	Brake pots	Vented type	_____
10.74	Dust shields	Required, front and rear	_____
10.75	Moisture ejector	Bendix DV-2, heated to wet tank	_____
10.76	Drain valves	Manual chain or cable operated, required on each air tank	_____
10.77	Air dryer	Wabco System Saver 1200	_____
10.78	Air Tanks	Must be aluminum or Stainless steel or aluminum straps with minimum 1/16 in. rubber or neoprene isolators to prevent galvanic corrosion	_____
	FUEL TANK-		
10.79	Type	Steel or aluminum, 45 gallon capacity, fully fuelled upon delivery, **state** location-	_____
10.80	Tank straps	Stainless steel, steel, or aluminum straps with minimum 1/16 in. rubber or neoprene isolators to prevent galvanic corrosion	_____
10.81	Fuel separator	Heated, drainable	_____
	CAB-		
10.82	Type	Cab over engine with tilting cab	_____
10.83	Construction	Aluminum or galvanized steel	_____
10.84	BBC	Front bumper to back of cab measurement 63.5”	_____
10.85	Cab mounts	Air suspension	_____
10.86	Front grille	Stationary type	_____
10.87	Cab interior / trim	Extreme climate insulation including cloth or vinyl headliner on roof, door panels and rear interior of cab	_____
10.88	Cab silencer package	Required for minimal decibel level	_____
10.89	Hood/Firewall/Engine	Insulated hood liner, engine cover and firewall	_____
10.90	Floor covering	Rubber mat with under-padding	_____
10.91	Floor mats	Two (2) heavy-duty rubber	_____
10.92	Driver’s seat	High back, air suspension w/foldable armrests, lumbar support, heavy-duty cloth upholstery, complete with seat covers.	_____

10.93	Passenger seat	High back or mid back stationary mount non-suspension Passenger seat, heavy-duty cloth upholstery, complete with seat covers.	_____
10.94	Sun visors	Dual flip-up type	_____
10.95	Steering wheel	Tilt	_____
10.96	12-Volt power outlet	(2) Required	_____
10.97	Radio	Factory installed AM/FM/CD with blue tooth hands free capability	_____
10.98	Starter switch	Key operated c/w three (3) sets of keys	_____
10.99	Interior light	Dome light with driver and passenger door switches	_____
10.100	Heater / Defroster	High output, capable of keeping all windows clear at an outside temperature of -35°F (-37°C)	_____
10.101	Air conditioning	Required	_____
10.102	Brake & accel. pedals	Floor or hanging type brake and accelerator pedal, **State-**	_____
10.103	Horn	Dual electric	_____
10.104	Exterior mirrors	Dual heated, lighted exterior mirrors. Shall come with convex mirrors. Suitable for 102 in. equipment width	_____
10.105	Down view mirror	Required over passenger door, **state** size-	_____
10.106	Windows & windshield	Factory Tint	_____
10.107	Power windows	Required on driver and passenger side. Controls for both windows required on driver side	_____
10.108	Windshield wipers	Electric, intermittent	_____
10.109	Wiper blades	Snow type with sealed boot preferred.	_____
10.110	Windshield washers	Electric, required with spray nozzles on wiper Blades preferred.	_____
10.111	Grab handles	Dual exterior	_____
10.112	Entrance steps	Dual each side, open grate / grip type	_____
10.113	Winter front	Heavy-duty vinyl w/twist lock or snap type fasteners	_____
10.114	Fender extensions	Front Fender extensions required	_____
10.115	Exterior Visor	Exterior sun visor required	_____
10.116	Dash	Wing type dash for operator convenience preferred	_____
10.117	Flare kit	Required, **state** location-	_____

10.118	Fire Extinguisher	(5) lbs. required, **state** location-	_____
10.119	First aid kit	Required, **state** location-	_____

INSTRUMENTATION-

10.120	Oil pressure	Gauge	_____
10.121	Coolant temperature	Gauge	_____
10.122	Transmission oil temp.	Gauge	_____
10.123	LOP/HWT	Warning light and buzzer	_____
10.124	Voltmeter	Gauge	_____
10.125	Air reservoir pressure	Gauge with LAP warning light and buzzer	_____
10.126	Engine hour-meter	Required, non-resettable type	_____

FRONT BUMPER-

10.127	Type	**State** type-	_____

COLOUR-

10.128	Exterior	White	_____
10.129	Interior	Grey	_____
10.130	Frame & suspension	Primed and finished with black Imron 5000 paint	_____

ACCESSORIES-

10.131	Nut Indicators	Wheel nut indicators on all wheel lug nuts required	_____

11.0 ROAD PATCHING MACHINE-

11.1	Auxiliary Engine: 74 HP @ 2600 RPM, 195.5 lb/ ft @ 1,600 rpm, Tier i4 or Tier 4 final with in cab controls at operators station with tachometer, hour-meter and warning system	_____
11.2	All patching functions shall be in cab with a DP200 LCD display controlled from Plus 1 Can- Bus system in cab.	_____
11.3	Operator control center to include single joy stick controlling boom swing extend/retract and push button for up/down. Push buttons operate; blow out mode, emulsion on/off, aggregate gate on/off and extension retraction	_____
11.4	Operator control center to also include auxiliary engine on/off, blower on/off blower increase/decrease, rock flow increase/decrease, emulsion increase/decrease engine alarm, tach preheat, engine start/on/ off, RPM min/max boom auto stow and override, vibrator on/off, beacon light switch, hour-meter, circuit breakers separate arrow board control panel.	_____
11.5	Rectangular welded low profile Aggregate hopper – 5 cubic yard capacity.	_____

11.6 **State** hopper general design details- _____

11.7 Hopper shall be equipped as required to permit loading with a 3½ cubic yard loader bucket. _____

11.8 Hopper cover/tarp – required, aluminum overlapping plate left rear fender operates close and open dual cylinder. _____

11.9 Air system – high volume, low pressure, positive displacement blower driven by truck hydraulics motor capable of 850 CFM @ 2850 RPM _____

11.10 Electric Hydraulic flow control for independent operation to allow patching while moving at slow speeds. _____

11.11 Blower inlet air filter – heavy duty, high efficiency, single-stage dry type with replaceable element, Donaldson or equal. The air filter shall be located to minimize the intake of dust and contaminants. _____

11.12 Emulsion tank – 300 US gallon capacity, insulated. _____

11.13 **State** tank capacity, general design and filler provision- _____

11.14 Emulsion tank heater – Two 4,500 watts, 120 volts _____

11.15 Jet Flush System required; Wash down of aggregate on demand and clean out of aggregate Hose _____

11.16 Aggregate delivery hose – abrasion resistant, non-kinking type. _____

11.17 Oil line – heated from tank to the boom tip. _____

11.18 Discharge boom – side mount storage system, eliminating windshield obstruction in stow position, one piece, double acting boom with three stage telescoping aggregate delivery tube with cable/hose carrier, heated water lines with individual nozzle shut off valves. _____

11.19 Position sensor safety system that will not allow boom to swing into traffic beyond center line _____

11.20 Boom Reach: Side-mounted, joystick-controlled, Folds and stows across front bumper

Max. length extended - 11’5”
Min. length extended - 7’5”
Max. patch area - 41 sq. ft. _____

11.21 Hydraulic system – capacity to meet system requirements with filtration in accordance with the manufacturer’s recommendations _____

11.22 Vibration system and heat kit – as required for summer and mild winter operation. **State** equipment supplied- _____

11.23 Hopper color – white to match cab color _____

12.0 ELECTRICAL AND LIGHTING-

12.1 All vehicle lighting shall conform to C.M.V.S.S. and Manitoba Highway Traffic Act requirements. _____

12.2 Supplier installed lighting shall be all LED (except otherwise noted) _____

12.3 Combination stop, turn and taillights –One (1) per side with mounting grommets, flush or recessed mounted, **state make model and part #'s-** _____

12.4 Flash rate – resistors required in flashing circuit to provide 70-90 flashes per minute. _____

12.5 Back-up lights – One (1) per side with mounting grommets, **state make model and part #'s**- _____

12.6 3-Light cluster – three (3) with P/N mounting grommets, **state make model and part #'s**- _____

12.7 Clearance lights – With mounting grommets, **state make model and part #'s** _____

12.8 License plate lamp –Complete with license plate bracket., **state make model and part #'s-** _____

12.9 Lighting harnesses – Properly routed and secured, **state make model and part #'s-** _____

12.10 Junction box – Complete with necessary compression fittings, required for all vehicle lighting harness connections, located inside rear of truck frame, **state make model and part #'s** _____

12.11 Back-up alarm – 97 dB(A), **state make model and part #'s-** _____

12.12 All plug-in connectors shall be coated prior to assembly. _____

12.13 All OEM installed wiring shall be color coded, loomed, properly secured and protected from damage. _____

12.14 All electrical connectors or joining of wires shall be crimped and soldered, then sealed using heat shrink tubing. (Crimp on electrical connectors for joining wires are not acceptable). _____

12.15 All holes required for routing wiring shall be drilled (not punched), grommeted and sealed as required. _____

12.16 Arrow board – LED, 13-light, Multi-function, 2'6" x 5' (0.76 m x 1.52 m) rear mounted sequential with in-cab controls, **state make model and part #'s-** _____

12.17 Mini light bars – two (2), one (1) mounted on cab roof and one (1) mounted at the rear of the unit in a visible location, **state make model and part #'s-** _____

12.18 Rear view camera – Mounted at rear of vehicle, **state make model and part #'s-** _____

12.19 Monitor – In-cab mounted in ergonomic location, **state make model and part #'s**- _____

13.0 DIMENSIONS-

13.1 Overall length – **state** with boom in travel position- _____

13.2 Overall width – **state** - _____

13.3 Overall height – **state-** _____

14.0 NOISE LEVELS/SAFETY-

14.1 dB(A) rating 78 dB**, state-** _____

15.0 CHASSIS WARRANTY- (All warranty information shall be detailed and include all exclusions. The Contractor will provide all published warranty information upon delivery of the equipment.)

15.1 Basic Vehicle, **state-** _____

15.2 Batteries, **state-** _____

15.3 Drive-train, **state-** _____

15.4 Cab structure/corrosion, **state-** _____

15.5 Frame & cross-members, **state-** _____

15.6 Cab paint, **state-** _____

15.7 Engine, **state-** _____

15.8 Transmission, **state-** _____

15.9 Axles, front & rear, **state-** _____

15.10 Towing, **state-** _____

15.11 Exhaust, **state-** _____

16.0 PATCHER BODY WARRANTY- (All warranty information shall be detailed and include all exclusions. The Contractor will provide all published warranty information upon delivery of the equipment.)

16.1 **State** detailed warranty on body and body components- _____

_____
_____
_____
_____
_____
_____
_____
_____

17.0 TRADE-IN'S-

17.1 This Bid Opportunity includes the provision of a "trade-in" of three (3) used **Self Propelled Road Patching Machines**. The Bidder shall include price amounts for the **Self Propelled Road Patching Machines** and all prices submitted shall be listed on Form B: PRICES. All machines listed below were purchased new, and used solely by The City of Winnipeg. A brief description of the equipment is as follows:

Vehicle Unit #	Department	Year	Chassis Make	Chassis Model	Vin #	Operating Hours as of Date 12/06/2016
419-0201	PW-SM-CENTRAL SERVICES	2010	MITSUBISHI	FM330	JL6FJJ1EXAK010006	Hours 2340 (Chassis) Hours 770 (Blower)
419-0202	PW-SM-CENTRAL SERVICES	2010	MITSUBISHI	FM330	JL6FJJ1E1AK010038	Hours 3050 (Chassis) Hours 885 (Blower)
419-0203	PW-SM-CENTRAL SERVICES	2010	MITSUBISHI	FM330	JL6FJJ1E4AK010096	Hours 3790 (Chassis) Hours 1430 (Blower)

17.2 To view the units, Bidders may contact the Contract Administrator one (1) week prior to the Submission Deadline. _____

18.0 FULL MAINTENANCE PACKAGE (OPTION)- (based on a 7 month year)

18.1 Bidder to provide prices for full maintenance package option per unit:

- Full Maintenance Package (based on 90 chassis hours per month for 3 years) $_____
- Full Maintenance Package (based on 90 chassis month for 4 years) $_____
- Full Maintenance Package (based on 90 chassis hours per month for 5 years) $_____
- Full Maintenance Package (based on 90 chassis hours per month for 6 years) $_____

18.6 **City Responsibility**- Under the Full Maintenance Proposal the City shall be responsible for the following under this Contract:

- *Licensing and insurance coverage for the equipment;*
- Repair of damage to the equipment where damage has proven to have been caused by negligence on the part of the City;
- Repair or replacement of tires damaged due to road hazards;
- Fuel and other normal operating and maintenance supplies including daily and weekly maintenance such as greasing, cleaning, drainage of water.
- Replacement of high pressure water hose;
- Vacuum hose
- Nozzle replacement
- Aluminum vacuum extensions
- Windshield wipers
- **Daily greasing**

18.7 **Contractor Responsibility-** Under the Full Maintenance Package Option the Contractor shall be responsible for the following under this Contract:

- All scheduled maintenance including (but not limited to) oil and filter changes, and regular service adjustments as recommended by the equipment and chassis manufacturers;
- **All preventative and predictive maintenance**
- All repairs due to mechanical failure or malfunction;
- Towing costs (if unit is immobile);
- All parts and labour costs
- Tires due to normal wear;

19.0 FIRST SERVICE PREVENTATIVE MAINTENANCE KIT-

19.1 In order to assure minimum downtime of the Equipment in future service, the Contractor must provide one (1) complete replacement set of new OEM filters and belts for each unit purchased. The set of required filters shall include (if applicable to the equipment type) air, fuel, oil, cab and hydraulic, or otherwise all known necessary common replacement filters required for the first preventative maintenance servicing. The required set of belts shall include, alternator, water pump, and power steering or otherwise all known necessary replacement belts used on the equipment. _____

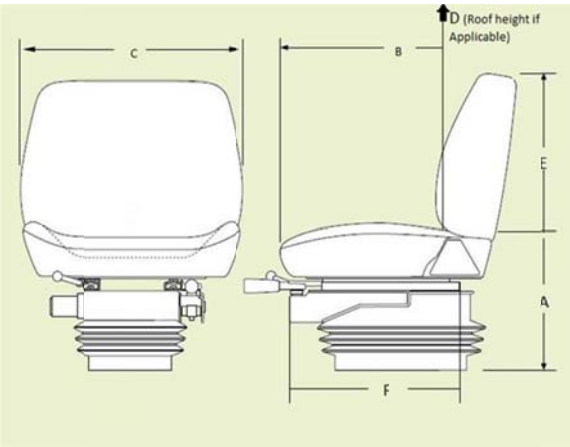
19.2 The Contractor must provide a list of factory recommended lubricants to be used with the equipment, as well as a complete cross reference guide for all warranty approved lubricants and filters that can be used during Preventative Maintenance servicing. _____

20.0 ERGONOMIC SPECIFICATIONS FOR VEHICLES/ POWERED MOBILE EQUIPMENT

Entry/ Exit

20.1	First step entry height	**State,** height of first step in inches	_____
20.2	First handhold entry height	**State,** first handhold entry height in inches	_____
20.3	Access to equipment	**State,** door opening height in inches	_____
20.4	Access to equipment	**State,** door opening width in inches	_____
20.5	Designed to prevent slipping	Anti-slip steps/handholds **(Y or N)?**	_____

Seat (use below diagram to answer questions)



20.6	Sitting height range from floor (where feet rest) (A)	**State,** seat height range in inches	_____
20.7	Seat length/depth (B)	**State,** seat length/depth in inches	_____
20.8	Seat width (C)	**State,** seat width in inches	_____

20.9	Cab height from seat to roof (if applicable) (D)	**State,** cab height range in inches	_____
20.10	Back rest height (E)	**State,** back rest height in inches	_____
20.11	Seat travel range (F)	**State,** seat travel in inches	_____
20.12	Lumbar support	Is lumbar support provided **(Y or N)?**	_____
20.13	Head rest	Is head rest provided **(Y or N)?**	_____
20.14	Seat is made of breathable material	**State,** type of seat material	_____

Operation

20.15	a) Reaching distance to usual work	**State,** reaching distance in inches	_____
20.16	b) Maximum reaching distance	**State,** maximum reach distance in inches	_____
20.17	Adjustable pedals (accelerator/brake/clutch)	Are pedals adjustable **(Y or N)?**	_____
20.18	Adjustable steering wheel	Is steering wheel adjustable **(Y or N)?**	_____
20.19	Adjustable shoulder belt	Is belt adjustable and anchored **(Y or N)?**	_____

Cargo Area

20.20	Lid opens to provide adequate space	Adequate space provided **(Y or N)?**	_____
20.21	Loading height	**State,** trunk height in inches	_____

Environment

20.22	Operator compartment is insulated from equipment noise (while operating)	**State,** dBA inside cab while operating	_____
20.23	Operator insulated from equipment vibration	Is operator insulated from vibration (Y or N)?	_____
20.24	Heating/cooling systems	**State,** cab temperature range	_____
20.25	Cab lighting	**State,** lumens inside cab	_____

Maintenance/ Inspection

20.26	Lift assistance provided (when necessary)	Is lift assistance provided **(Y or N)?**	_____

20.27 Easy access to compartment doors — Is easy access provided **(Y or N)?** _____

20.28 Include any other relevant ergonomic specifications and applicable range of adjustment

_____

_____

21.0 DELIVERY

21.1 Delivery Point: The complete unit shall be serviced, ready for operation and delivered F.O.B. with the freight prepaid, including invoice and N.I.V.S. (if applicable) to the WFMA 185 Tecumseh Street, Winnipeg MB. The successful Bidder shall be notified by the Contractor Administrator the delivery address prior to issuance of the purchase order _____

21.2 Delivery Time: **Between April 15, 2017 and May 15, 2017.** Equipment shall be delivered between 8:00 am and 3:00 pm on Business Days. _____

21.3 Delivery Contact: The Contractor shall contact the Contract Administrator (2) weeks prior to delivery of the equipment. _____

21.4 P.D.I: A pre-delivery inspection shall be performed by the Contractor on the equipment. Proof upon inspection including completed check list _____

22.0 MANUALS-

22.1 Manuals shall be supplied under this Contract. The manuals shall cover the complete equipment including all components thereof, CD is preferred where available. _____

22.2 The following manuals shall be supplied with the units when delivered:

a) Operator's manual – Two (2) per unit (one operator manual shall be sent to the Equipment Operator Training Branch _____

b) Parts and service manuals – One (1) complete set including preventative maintenance schedules. Memory Sticks are preferred. _____

23.0 GUARANTEED BUYBACK OPTION- (based on a 7 month year)

23.1 Guaranteed Buyback (based on 90 chassis hours per month for 3 years) $_____

23.2 Guaranteed Buyback (based on 90 chassis hours per month for 4 years) $_____

23.3 Guaranteed Buyback (based on 90 chassis hours per month for 5 years) $_____

23.4 Guaranteed Buyback (based on 90 chassis hours per month for 6 years) $_____