

CITY of NOVI CITY COUNCIL

**Agenda Item N
August 10, 2009**

SUBJECT: Approval to purchase an Aqua Mulcher 800 hydroseeder from TGMI Inc, the low bidder, in the amount of \$21,274.

SUBMITTING DEPARTMENT: Department of Public Services *R14*

CITY MANAGER APPROVAL: *[Signature]*

EXPENDITURE REQUIRED	\$21,274
AMOUNT BUDGETED	\$24,000
APPROPRIATION REQUIRED	N/A
LINE ITEM NUMBER	101-442.20-982.000

BACKGROUND INFORMATION:

The Novi City Council appropriated \$24,000 in the 2009-2010 fiscal year for the purchase of a replacement Hydroseeder. The existing unit is in excess of 20 years old and is no longer functional. This piece of equipment enhances service to the community by allowing for expedited site restoration after maintenance or construction, environmental soil stabilization and watering of new trees or flowers. For turf seeding operations, the hydroseeder sprays a slurry containing seed, mulch, fertilizer, and water.

On July 30, two bids were received following a public bidding period, as summarized in the table below. Upon a thorough evaluation, the Department found TGMI Inc. met specifications by providing a bid on the Aqua Mulcher 800.

Company	Base Bid	Alt. #1 Fill Pump	Alt. #2 Tool Box	Alt. #3 Work Lights	Alt. #4 Emergency Lights	Alt. #5 Ext. Warranty	Total
TGMI Inc.	\$19,760	\$900	\$249	\$495	\$425	\$N/A	\$21,274
Simmons Equipment	\$26,740	\$1,990	\$N/C	\$495	\$425	\$N/A	\$29,650

Upon award, the equipment will be delivered to DPS within 30 days.

RECOMMENDED ACTION: Approval to purchase an Aqua Mulcher 800 hydroseeder from TGMI Inc, the low bidder, in the amount of \$21,274.

	1	2	Y	N
Mayor Landry				
Mayor Pro Tem Gatt				
Council Member Burke				
Council Member Crawford				

	1	2	Y	N
Council Member Margolis				
Council Member Mutch				
Council Member Staudt				

CITY OF NOVI
HYDROSEEDER
JULY 30, 2009

	Simmons Equipment	TGMI
Make Model	FINN T-75T Hydroseeder	Aqua Mulcher 800
Base Bid	26,740	19,760
Alternate #1 - Fill Pump	1,990	900
Alternate #2 - Tool Box	See Note	249
Alternate #3 - Work Lights	495	225
Alternate #4 - Emerg. Lights	425	140
Alternate #5 - Extended Warranty	2 year/\$300	\$800 per year - max 4 year. Includes pickup and delivery to factory
Delivery Date	30 days or sooner after receipt of order	30 days ARO or earlier
Length of Warranty in Base Bid	Finn Warranty - 1 year; Kohler warranty - 2 year	12 month unit, 24 month on engine
Method of Handling Warranty Repairs	Kohler engine warranty repairs are provided by any authorized Kohler dealer in the area. Ie. Weingartz, Sunbelt, Wolverine Rental. Finn warranty repairs handled by Wolverine Rental in Ann Arbor.	Unit is on-site or return to factory. Engine is with engine manufacturer.



Company name T&M I, INC.

**CITY OF NOVI
HYDROSEEDER
SPECIFICATIONS**

ORIGINAL

MAKE/MODEL: Eden Model 750 Seeder or Equivalent

MANUALS

Two complete sets of service, operator and parts manuals will be furnished with machine at time of delivery.

DELIVERY

Delivery is expected within 30 days of issuance of the purchase order. Delivery date will be considered as a factor in the evaluation for award. Machine is to be delivered to the Department of Public Services at 26300 Delwal Dr., Novi, MI 48375. Freight charges are to be included in the Lump Sum price.

WARRANTY

Manufacturer's standard 12-24 month warranty. Any first year warranty repairs necessary are to be performed at the equipment location or transportation charges are to be paid by the vendor.

SAFETY FEATURES

Unit must meet all State and Federal safety standards.

SPECIFICATIONS

The column on the left lists the specifications required, thus establishing the type of equipment for which bids are to be submitted. Bidder must fill in column on the right side of page with a check mark or an "X", signifying model being bid meets this specification; or if different, with the specification of the model being quoted. Failure to note any variations may be cause for rejection of a bid proposal.

	Specification	Vendor Response
1	Tank Working Capacity: A minimum of 750 Gal. and a maximum of 900 Gal.	X
2	Engine Requirements: Minimum of 25 HP gas powered, Electric start & Easy access.	X
3	Pump Requirements: Hydraulically driven with reverse	X
4	Agitation Requirements: Hydraulically driven mechanical paddle with variable speed agitation. The unit must have forward and reverse controls.	X
5	Paint: standard colors; white, yellow green, blue, red, black or orange.	X

6	Hose: Minimum of 100 feet in length of 1 ¼ inch diameter flexible hose. Must include full flow fittings.	X
7	Tongue: Heavy duty 2-1/2" diameter lunet rings hitch or 2 1/16 inch ball with adjustable height from ground approx. 21-1/2" to 25". Two 3/8" grade 70 link safety chains with hooks.	X
8	Tongue Jack: adjustable for height with drop leg pad 5000 lb. capacity	X
9	Axle: tandem (2) 6,000 lb. electric brakes with automatic break away actuator.	X
10	Tires: (4) 235/80R 16" load range "G", 14-ply rated, mounted on 8-bolt white modular rims. To include spare tire and rim	X
11	Hose Reel: Electric Rewind with hose guides. Also must be able to work in a free wheel setting. Must hold a minimum of 145 feet of hose.	X
12	Lighting and Electrical System: 12 volt system with rubber mounted LED tail lights, 7 -prong replaceable coiled trailer power cord and protected heavy duty wiring with junction box. Includes marker & clearance lights and reflectors.	X
13	Spray Nozzles: Must include 1 medium fan spray and 1 wide fan spray.	X
14	Spray Distance: Must have a minimum spray distance of 75 feet.	X
15	Fuel Tank: Steel 24 1/2 gallon capacity with sight gauge, drain port and magnetic plug.	Poly Tank, 12 Gallon
16	Spray Tower: Must have turret gun mounted on a large operating platform.	X
17	Turret Gun: must be 1 ½ capable of shooting up to 150 feet.	X
18	Fresh Water Tank: Must have a minimum of a 40 gallon fresh water tank.	X
19	Fill: Must be hydrant ready for hook up.	X
20	Safety Rails: Must have Rails going up to the loading area and also ascending to the tower platform.	X
21	Hydraulic Hose: all pressure hoses are single braid industrial grade with synthetic rubber cover for wear protection. Hoses have 12,000 PSI burst pressure capacity. All hoses use JIC ends for easy replacement or repair.	X
22	Hydraulic Tank: steel tank. Also spin on cartridge filter, suction strainer, sight gauge & drain port.	X



cityofnovi.org

**CITY OF NOVI
BID FORM**

HYDROSEEDER

We the undersigned as bidder, propose to furnish to the City of Novi, according to the conditions and instructions attached hereto and made a part thereof according to the attached terms and conditions.

BASE BID

Make/Model	Lump Sum
AQUA MULCHER 800	\$ 19,760.00

ALTERNATES

	Description	Cost
Alt. 1	Fill Pump: A 5.5 HP installed. Must include 25 feet of 2 inch fill hose with camlock fitting & strainer.	\$ 900.00
Alt. 2	Tool Box: Aluminum toolbox mounted on the side of the trailer. Must have a built in keyed lock and come with 2 sets of keys.	\$ 249.00
Alt. 3	Work Lights: Adjustable work lights for night time applications.	\$ 225.00
Alt. 4	Emergency Lighting: Strobe lights or revolving beacon mounted to the back of the machine for safety.	\$ 140.00
Alt. 5	Extended Warranty: Please include information and cost for an extended warranty.	\$ 800.00 / YEAR - MAX 4 YEAR INCLUDES PICK-UP AND DELIVERY TO FACTORY

Delivery Date 30 DAYS ARO OR EARLIER

Length of Warranty (Included in Base Bid) 12 MONTH ON UNIT, 24 MONTH ON ENGINE

Method of handling warranty repairs UNIT IS ON SITE OR RETURN TO FACTORY. ENGINE IS WITH ENGINE MANUFACTURER.

Comments: FOR REFERENCE, A 500 GALLON UNIT WAS
PURCHASED BY THE CITY OF WYOMING, MI IN MARCH
2009. THAT UNIT HAS THE SAME DRIVE AND POWER
UNIT AS THE MODEL 800.

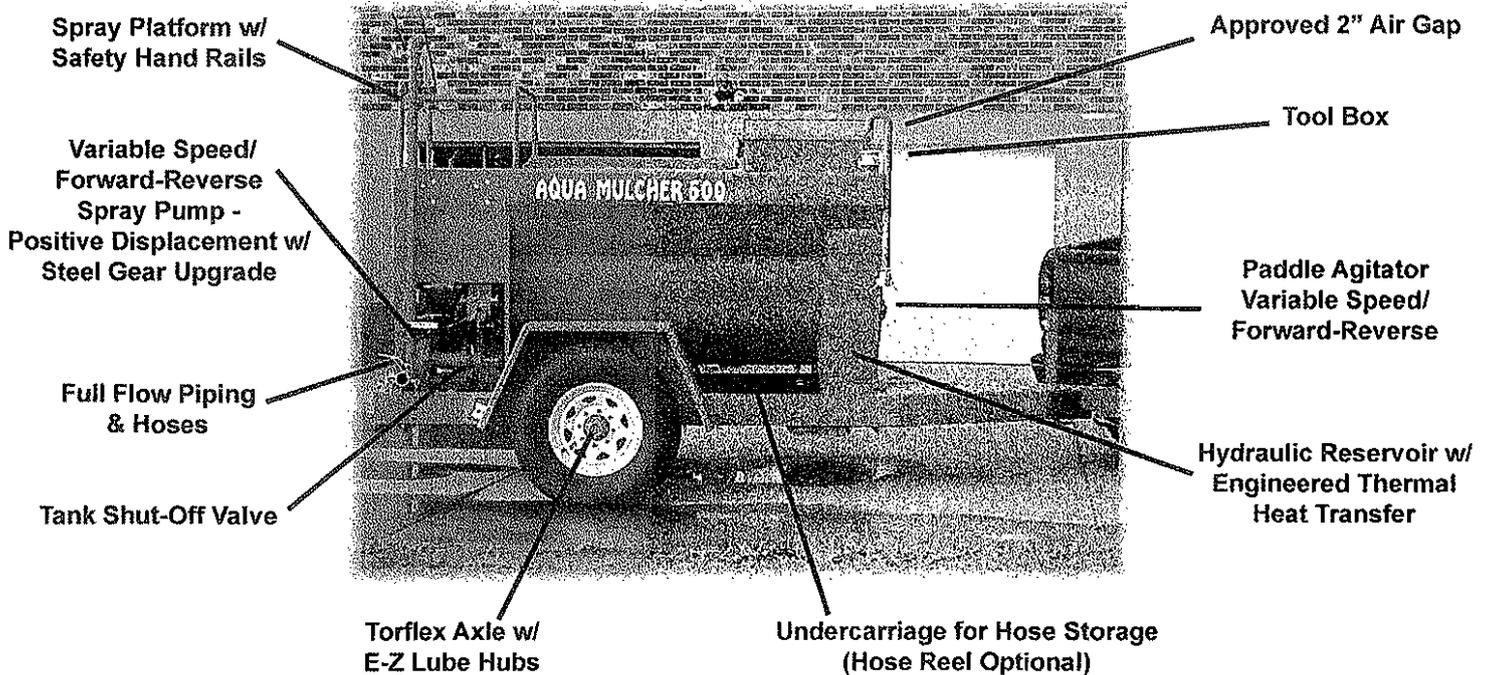
We acknowledge receipt of the following Addendums: _____
(please indicate numbers)

Company (Legal Registration) TOMI, INC
Address 11074 ASHBURN RD.
City CINCINNATI State OH Zip 45240
Telephone 800-241-8464 Fax 513-825-3393
Agent's name (please print) ROBERT E. PERSON
Signature 
E-mail RPERSON@MULCHEAS.COM
Date 07-27-09

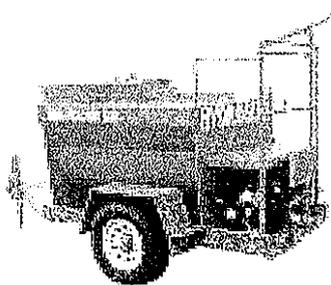
AQUA MULCHER

HYDRAULICALLY POWERED HYDROSEEDING EQUIPMENT

STANDARD FEATURES



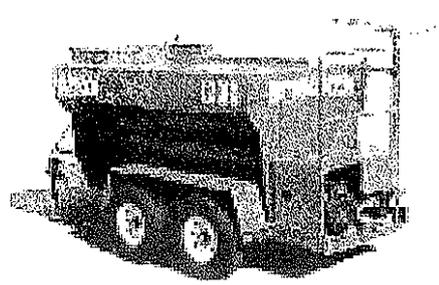
AQUA MULCHER HYDRO 500



AQUA MULCHER HYDRO 800



AQUA MULCHER HYDRO 1200



TGMI, Inc.
11074 Ashburn Rd.
Cincinnati, OH 45240
Toll Free: 800-241-8464
Office: 513-825-5444
Fax: 513-825-3393
Website: www.mulchers.com

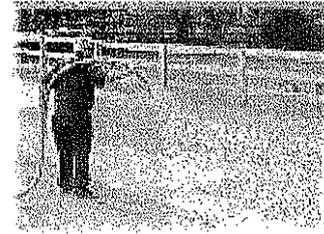
CALL TOLL FREE
800-241-8464
OR VISIT US AT
WWW.MULCHERS.COM

AQUA MULCHER

HYDRAULICALLY POWERED HYDROSEEDING EQUIPMENT

A thick mulch slurry is necessary for proper seed germination and plant establishment. The Aqua Mulcher's Paddle Agitation and Positive Displacement Gear Pump allow the user to spray from the tower up to 80' or pump a thick slurry through up to 300' of hose. The tandem hydraulic pump drive system on the Aqua Mulcher allows the user to adjust the speed and direction of both the Paddle Agitator and Spray Pump. Spraying pressure (distance) operates independently from the speed of the Paddle Agitator.

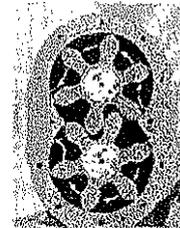
This feature is extremely valuable when working with hoses and when spraying in close areas. Changing agitator speed is very useful when working with all brands of fiber mulches and the host of additives that are on the market today. The reverse capability on the Paddle Agitator is designed to speed the loading process. Materials need to be uniformly mixed and kept in suspension. Engine speed remains constant throughout this process. The Spray Pump's reverse capability allows the operator to stop in the middle of spraying. By reversing the pump, the operator can clear the slurry from the spray tower and hoses. This feature will reduce possible clogging when moving from area to area.



Variable Speed / Forward-Reverse Paddle Agitator



Variable Speed / Forward-Reverse Gear Pump



Thick Mulch Slurry



Specifications:

	Hydro 500	Hydro 800	Hydro 1200
Length (Skid):	95"	115"	132"
Width:	60"	72"	72"
Height w/ Tower:	66"	70"	74"
Length (Trailer):	150"	175"	192"
Width:	75"	75"	75"
Height:	58"	78"	87"
Weight (Empty - Skid):	1,610 lbs	1,900 lbs	2,920 lbs
Weight (Working):	6,410 lbs	9,580 lbs	14,000 lbs
Weight (Empty - Tr.):	2,700 lbs	2,990 lbs	4,210 lbs
Weight (Working):	7,500 lbs	10,670 lbs	15,000 lbs
Fiber Mulch Capacity:	200-250 lbs	300-400 lbs	500-600 lbs
(wood fiber-paper fiber)			
Coverage/ Tank Load:	5,500 sq. ft.	8,000 sq. ft.	12,000 sq. ft.
Spray Distance:	Variable up to 80'		
Power:	25 H.P. Air Cooled, Electric Start Engine		
Hydraulic System:	Tandem Hydraulic Pump with "Direct Mount" to Engine without coupling		
	Hydraulic Motor Drive on Agitator and Spray Pump		
	Variable Speed Flow Control on Agitator and Spray Pump		
	Forward/Reverse Direction Control on Agitator and Spray Pump		
	30 Gallon Hydraulic Oil Reservoir, mounted to slurry tank for oil cooling		
Spray Pump:	2" Rotary Gear w/ Steel Gear Upgrade, Variable Speed with Forward-Reverse		
Agitation System:	Variable Speed Paddle Agitation w/ Forward-Reverse		
Hose:	(2) 50' x 1 1/4" Clear Poly-Braid Hose		
Nozzles:	(1) Long Distance, (1) Wide		
Fill Wand:	Approved Air Gap		