

AGENDA ITEM SUMMARY FORM

MEETING DATE: 8/22

PREPARED BY: R. Corey Almas, Director of Public Services

AGENDA ITEM CONTENT: DPS - Scheduled Replacement of Street Sweeper #408

AGENDA ITEM SECTION: Bid Awards/Purchases

BUDGETED AMOUNT: \$300,000 FUNDS REQUESTED: \$258,190

FUND: 101-528-985-0000

EXECUTIVE SUMMARY:

The FY 2022-23 Budget includes the final phase of funding for the scheduled replacement of Street Sweeper #408, a 2012 Elgin Whirlwind on an Autocar chassis.

RECOMMENDATION:

Staff recommends that Council award the purchase of one Bucher CityCat 5006 to MTech, of Cleveland, Ohio for a total purchase price of \$258,190 under the Wayne County RESA CoPro+ Contract #2018-WR-060-M. Funding is budgeted and available.

MEMORANDUM

DATE: August 16, 2022

TO: Melissa R. Marsh, City Manager

FROM: Sean P. Ballantine, Public Works Supervisor

Dan Yamarino, Motor Pool Supervisor

R. Corey Almas, Director of Public Services

SUBJECT: Purchase - Scheduled Replacement of Street Sweeper #408

The FY 2022-23 Budget includes the final phase of funding for the scheduled replacement of Street Sweeper #408, a 2012 Elgin Whirlwind on an Autocar chassis. Although Elgin has been a tried-and-true performer for the DPS for many years, Staff routinely investigates other offerings on the market as part of the purchase process. This allows us to determine the best option for operations, value for money, and in this case, to investigate the technical advancements in street sweeper technology over the last five years.

Several different sweepers were delivered and utilized by staff, representing different makes and models, and different types of machine (mechanical, regenerative, vacuum, etc.) The operators who demonstrated the machines were drawn to the Bucher CityCat 5006 due to its ease of use, and high quality of the debris pickup and overall cleaning. The Motor Pool staff were also drawn to this machine due to its overall construction, and apparent ease of maintenance and repair.

The CityCat is a versatile machine, which will not only perform routine street maintenance tasks, but will significantly augment the annual splashblock cleaning operation, due to its unique floating broom design, and the leaf collection operation due to its suction design. It is the consensus of Staff that this machine will be an excellent fit for our operations. Additionally, it has a lead time of only one month, as opposed to 18-24 months as quoted from the other offerings. It is also within the budgeted amount.

The Bucher CityCat is available through a CoPro+ cooperative bid, through the MTech company. MTech is a vendor whom we have had prior experience with and have been very pleased with their overall performance and product support. The price of the sweeper is \$258,190 as quoted.

Staff recommends that Council award the purchase of one Bucher CityCat 5006 to MTech, of Cleveland, Ohio for a total purchase price of \$258,190 under the Wayne County RESA CoPro+ Contract #2018-WR-060-M. Funding is budgeted and available.

Department of Public Services

City of Madison Heights 801 Ajax Drive Madison Heights, Michigan 48071

p (248) 589-2294 | f (248) 589-2679





Dealer Date MTech 6/5/22

End User Contract

City of Madison Heights, MI Wayne County RESA CoPro+ Contract #2018-WR-060-M

CityCat 5006 Standard Sweeper Equipment

Engine Fuel Tank - 30 gallons with 8 gallon Ad Blue tank

Standard Factory Warranty: 2 years or 2,000 Hours

7.3 Cubic Yard 4003 Stainless Steel Hopper & Fan Case In Cab Noise Level - 63 dB(A) Inveco Turbo 4 cylinder in-line Diesel; Tier 4 Final; 141 HP @ 2200 rpm Electrical System - 24 volt Full Hydrostatic Transmission with 31 mph Transit Speed Gradeability - up to 30% GVM 23,150 lbs; Payload 11,025 lbs with a turning radius of 9.5 ft curb to Sweep Path: (2) Gutter Brooms and Suction Nozzle = 8 feet 31" Stainless Steel Vacuum Nozzle with 10" suction hose and Leaf flap. Steering Column - Tilt and Height Adjustment Hydrostatic Controlled 4-Wheel Steering; turning radius 9' 5" curb to curb. Heated Windshield Two (2) 35" Poly/Steel Gutter Brooms; variable speed adjustment 0-150 Heater with Two (2) Speed Fan rpm; impact proof suspension. 37" Standard Dump Height; Optional High Dump 61"; tipping angle 50 Body Painted In Standard Factory White Spacious High Visibility Custom Cab, with window in cabin floor to always Bucher Data Capture USB Flash Drive view working suction nozzle. 1 Sweeper Parts/Service CD In English Ergonomically positioned 7" CANview Display System and data capture 235 gallon water tank; In-Cab Nozzle volume adjustment. 1 Sweeper Operator's Manual In English

Tires - 4 Wheels 265/70 R 19.5

QTY	ID Number	DESCRIPTION	Available	Selected		
1	KF511	City Cat 5006 Purpose Built Street Sweeper	\$206,400	\$206,400		
1	KCC01	Air Conditioning - Fully Integrated	\$4,300	\$4,300		
0	KCC32	Camera Single Rear Displaying on JVM	\$1,398	\$0		
1	KCC33	Cameras - Rear and Nozzle Displaying on JVM	\$2,258	\$2,258		
1	KCC12	Radio / CD Player	\$860	\$860		
0	KE025	Overload Indicator	\$2,150	\$0		
QTY	ID Number	DESCRIPTION	Available	Selected		
0	KCC36	Deluxe Driver Seat - Isri. Weight, height and Lumbar adjustments.	\$3,870	\$0		
0	KE006	Electronic Battery Isolator	\$1,075	\$0		
0	KZ005	Fire Extinguisher (5lbs. dry powder)	\$414	\$0		
0	KAC39	Wanderhose - 360 degree Top turn-table mounted, spring balanced with 6" diameter & 16 feet long hose.	\$8,063	\$0		
0	KAC79	Wanderhose w/ Hydraulic Supported; 360 degree Top turntable mounted; 8" diameter & 21 feet long	\$21,204	\$0		
1	KAC40	Hopper Easy Clean - Flushes hopper, fan & mesh.	\$2,473	\$2,473		
1	KAC38	Hopper Mesh Lift Kit - hand pump	\$1,398	\$1,398		
1	KGC52	High Dump Hopper - 4003 Stainless Steel; Dump Height - 61"	\$5,590	\$5,590		
0	KGC59	Additional Water Tank Standard Dump - 296 gallons; total water capacity - 530 gallons	\$10,965	\$0		
0	KGC60	Additional Water Tank High Dump - 296 gallons: total water capacity - 530 gallons	\$16,233	\$0		
1	KAC28	Front Mounted 3rd Brush, Dual Rotation,	\$12,040	\$12,040		
1	KAC25	In-Cab Dual Gutter Broom Tilt - Hydraulic Controlled	\$2,795	\$2,795		
1	KAC53	In-Cab Dual Gutter Broom Down Pressure Control. Includes Independent Lift Control	\$4,193	\$4,193		
0	KAC48	Rubber Lined Nozzle, Intake Seat & Inlet Duct. Lined with 5mm thick increase wear rubber.	\$2,365	\$0		
1	KW027	HD High Pressure Water System - Includes hand lance & reel. 2900 PSI / 8 GPM to 1500 PSI / 5 GPM	\$6,343	\$6,343		
1	KW014	High Pressure Spray Bar Behind Suction Nozzle	\$1,935	\$1,935		

0	CX065 Centralized & Auto Grease System - all grease points; \$4,838 Standard Dump			\$0		
1	KX067	Centralized & Auto Grease System - all grease points; High Dump	\$5,268	\$5,268		
1	KCC11	Sweeping Mirror Right Hand Side	\$349	\$349		
0	KX071	1 Extra Set of Keys - Ignition, Fuel and Cab Door	\$376	\$0		
QTY	ID Number	DESCRIPTION	Available	Selected		
2	BMNA 105	Rotating LED Beacon - Cab or Rear Mounted. Each Pricing. Advise Location Upon Ordering	\$430	\$860		
0	KX070	Data Capture via USB Memory Stick	\$699	\$0		
3	KE041	Working LED Light - RH or LH Gutter Broom or Suction Nozzle. Each Pricing. Advise Location Upon on ordering.	\$376	\$1,128		
0	KDC50/51	Additional Operating or Spare Parts Manuals - English only Each Pricing	\$215	\$0		
0	BMNA 300	Custom Paint Color: Dealer must provide a 3x5 paint sample and the RAL or PPG paint code.	\$5,913	\$0		
			Sweeper Options Subtotal	\$258,190		
QTY		SPECIAL OPTIONS AND MODIFICATIONS		Price		
0		GI ZGIAZ GI HONGAND INGBI IGATIGNO		\$0		
0				\$0		
0				\$0		
0			\$0			
0		\$0				
0		\$0				
0				\$0		
DISC	CUNTS					
0 0	COUNTS	Applicable)	\$0	\$0		
O	i i aue iii (ii	Applicable)	Ψ0	ΨΟ		
0	Additional [Discounts	\$0	\$0		
			Total with Body and Discounts	\$258,190		
			Print Name			
			Signature Date			

	ladison H	eights ent Guideli	noc & F	valuation	Works	Disposition		Auction	
venicie r	Replacem	ent Guiden				eed to be completed.)			
Date of Eva	luation:	8/16/2022				Vehicle Type:	C	4.7.	
Vehicle #:	/ Division	408	olid Waste			Type A = Sedans /	_		
Department Year / Make	•			: er WhirlWind M	V	Type B = Medium / Type C = Off Road		1 1011	
Age:	One point f	or each year of	chronolog	gical age beg	inning with	in-service date			
In Service D	Date:	6/14/2012		Age in Mont		127	-		
	-		00 11	Age in Years			_	core:	10
Usage:	,,	point per 10,0	uu miies;	туре в = 1 р	oint per 5,	000 miles; Type C = 1	point per 250	nours used	
	l Mileage: l Hours:	4,099	as of	8/16/2022			s	core:	16
Service Ty	•			F					
Points	Туре А	 Descript	tion	L	Points		Type C Description		
1	Standard sedans a	·			1	Standard duties as equipped.			
2		with occasional off-road u	-		2	Standard duties when used with att		ackhoes, rear bushhogs).	
3 4	Any vehicle involve	ulls trailers, hauls heavy lo	oads, continued	off-road usage.	3 4	Multiple duties based on seasons (s Extreme duties in harmful atmosph			
5		escue service vehicles.			5	Heavy construction work including			
					Туре В				
<u>Points</u> 1	Chandaud was in	aludina hasis ish siko	dution name l		scription				
2		cluding basic job site of the compact of the compac		- , -	b site duties, s	tandard load hauling, some tov	ving.		
3						g, light trailer/equipment towin			
4			-	=		ng equipment and heavy trailer			
5		, high job site idling a · Truck, Tandem or Si				, heavy trailer/equipment towi	ng, major snow remo	oval duties, refuse colle	ction, etc.
	(Examples: Sign	Truck, randem or 5	ngic bump m	ack, Show Remove	ii iiuckj.		s	core:	5
Reliability	•	Note: Based o	on current	conditions.	Preventati	ve Maintenance work	is not included	•	
<u>Points</u>					Desc	ription_			
1	•			•	-	breakdowns or road c			
2						road call within the las			
3 4						or breakdowns or roac re breakdowns/road c		last month	
5				•		and 2 or more breakd			
Number of t Any Road C	times in shop alls or Break	within the last within the last downs (Y or N)	3 months	: :		1 2 Y			
		s within the last s within the last		~•		<u>0</u> 1			
		monthly withir			or N):	Y	s	core:	1
		cement Costs		•	,				
Points	Description		•						
1		<u>:</u> :e costs are less	than or e	equal to 20%	of replace	ment cost.			
2		e costs are 21-		•					
3 4		ce costs are 41- ce costs are 61-		•					
5		ce costs are gre		•		acement cost.			
		J		•	•				
Total Mainte		. N. W.I.		\$135,894		8/16/2022			
	urcnase Price Value of Car	e - New Veh. : to be sold :		\$275,000 \$20,000		8/16/2022 8/16/2022			
	let Replacem			\$255,000		8/16/2022			
		of Replacement	t Cost:	53.3%		8/16/2022	S	core:	3
Condition:									
Points					Type A	ription			
1	No visual damage	or rust and a good drive t	rain		Desc	<u>ription</u>			
2		s in body and paint, inter		tears, burns), and a	good drive train.				
3	Noticeable imperfe	ctions in body and paint s	surface, some m	inor rust, minor dama	ge from add-on e	quipment, worn interior (one or mor	e rips, tears, burns), an	d a weak or noisy drive trai	n.
4 5						cked dash), major damage from add		e drive train component bac	1.
<u> </u>	Previous accident o	damage, poor paint, bad i	nterior, unive tra	in that is damaged or	Type B	major damage from add-on equipme	ent		
<u>Points</u>					Desc	ription_			
1						modification, good drive train.			
2 3		s in body and paint, inter				ody modification. rain, minor body modification, minor	damage from add-on e	quinment	
4						e from add-on equip., moderate bod			ad.
5						rative, major body modifications, ma			
Dointo	Тур	pe C		Number of I	م ۸ مامه	aidonto. 1	(list musels ou)		
<u>Points</u> 1	Good condition,	Description fully functional.		Number of I Paint / Body		cidents: 1	(list number)	1	
2	Fair body, functi	•		Interior:		Fair	comment		
3	Minor body dam	age, weak operating	system.	Drive Train:		Poor	comment		
4 5		component not funct	ional.	General Cor	ndition:	(pick number	er from table)	core:	4
	Extreme damage	e, moperable.							20
Overall:	Fyrall - 1) '	Jana			Total Score	:	39
0 - 17 18 - 22	Excellent Good		Do not rep Re-evaluat	olace. Se for future b	oudaet(e)				
23 - 27	Fair	(Qualifies fo	or replaceme	nt if budge	t allows.			
28+	Poor	1		rity replacem	ent.				
Prepared By	/:		Sean P. E	Ballantine		Date:		8/16/2022	