FY 2019 PM-10 Certified Street Sweeper Application Summary

Name: Unit 5480 Sweeper
Id: DOT-2019-SW-003
Agency: ADOT

This is a summary of the request submitted for federal Congestion Mitigation and Air Quality (CMAQ) improvement program funding, available through the Maricopa Association of Governments (MAG) for PM-10 certified street sweepers. An estimated $1,449,729.00 in FY 2019 CMAQ funding is available region wide. All applications are due on Thursday, September 13, 2018 by 10:00 AM. Late applications are not accepted.

Section: Funding Information

Summary of the estimated costs of the requested sweeper

Total Estimated Cost of Sweeper	$276,987
Total Eligible Cost	$276,987
Local Share of Costs	$15,789
Federal Share of Costs	$261,198

Section: Sweeper Purpose

What the requested sweeper will be used for

Replace a Noncertified Street Sweeper	No
Expand Service Area	No
Increase Sweeping Frequency	Yes
Replace an Older Certified Street Sweeper	Yes

Section: Roadway Types

The types of roads the requested sweeper will sweep

Arterial	Yes
Collector	Yes
Residential	No
Other	No

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Section: Roadway Type Information

Details about the types of roads to be swept

Arterial Sweep Cycle Length (measured in days between sweepings)	7
Arterial Lane Miles to be Swept per Cycle	54
Arterial Average Weekday Traffic per Lane Being Swept	3,000
Collector Sweep Cycle Length (measured in days between sweepings)	7
Collector Lane Miles to be Swept per Cycle	14
Collector Average Weekday Traffic per Lane Being Swept	4,000

Section: Increase Sweeping Frequency

The previous cycle lengths (measured in days between sweepings)

Previous Arterial Cycle Length	30
Previous Collector Cycle Length	30

Section: Replace a PM-10 Certified Street Sweeper

Additional information about the sweeper being replaced

Number of hours in service on the sweeper that is being replaced	5,400
The month and year that the older certified sweeper was put into service	June 2004
Number of miles (including deadhead miles) on the sweeper that is being replaced	63,837
Percent of time older sweeper was out of service	80%
Additional information about out of service percentage	The PM10 Sweepers are known to need excessive maintenance. This one is 14 years old, parts have worn out.

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Section: Proximity to PM-10 Monitor

Information about the sweeping route's proximity to a PM-10 monitor

Will the requested certified sweeper be used within 4 miles of a PM-10 monitor?	Yes
Names of PM-10 monitors within 4 miles of sweeping route	Apache Junction Fire Station,Lehi,High School,Senior Center,Fort McDowell

Section: Local Resource Allocation

The resources prepared to make use of the street sweeper

Have local resources been committed to support the operation of the sweeper?	Yes
Details about local resources	One Highway Operation Tech will operate the sweeper, $60,000/yr. Lifetime (14 yrs) sweeper maintenance cost has been $182,000.

Section: Geographical Area

Information about the geographical area that the sweeper will operate in

Geographical area that the requested street sweeper will operate	SR87 from 202RM to MP197 SR88 from US60 to MP201 US60 from Meridian Rd. to MP201

Section: Additional Information

Additional information about the sweeper not covered in other sections

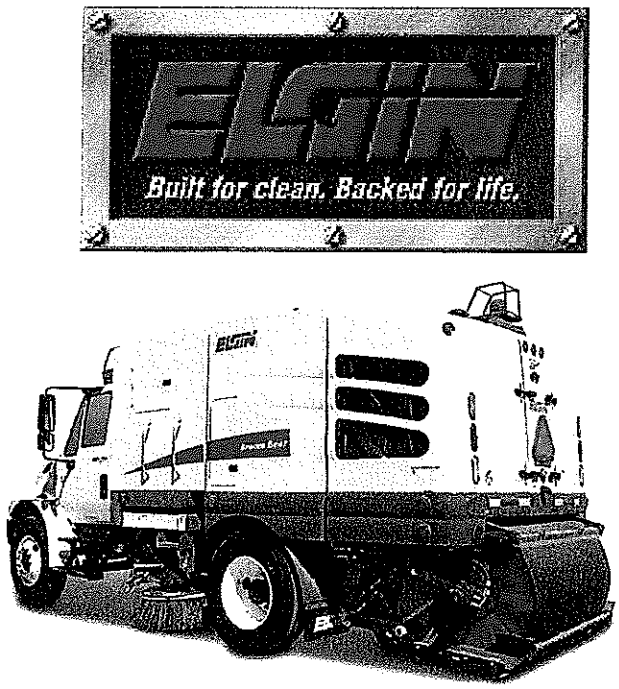
Is the agency willing to provide MAG with additional information?	Yes
Number of Certified Sweepers Operated by Agency	5
Number of Noncertified Sweepers Operated by Agency	0

This application was signed by Randy Everett on 9/12/2018

Central District Office
2140 W. Hilton, MD E700
Phoenix, AZ 85009
(602) 712-6664

Presents a Proposal Summary

of the



Broom Bear

Broom Bear Single Engine Street Sweeper with Dual Side Brooms

for

A DOT

2225 S. 22nd Ave

Phoenix AZ 85009

Bill Bergman
Tel: 6023013866

Quote Number: 2018-27237

PRODUCT DESCRIPTION

· Conveyor squeegee, variable height, right side dumping, 4.5 cubic yard hopper, with dual, hydraulically driven, trailing arm side brooms, sweeper is powder coated from powder coatings chart 2003/N with powder coated gray undercarriage.

STANDARD FEATURES

· Broom side, 46" steel vertical digger 4 or 5 segment
· Broom side, air floating suspension with adjustable reach, air deploy
· Broom, main, 34" diameter, 60" wide prefab disposable
· Broom Measurement Ruler
· Camera, Rear with in-cab monitor
· Conveyor chain, hardened with polyurethane sprockets
· Conveyor, 11 flight squeegee with rubber edging
· Conveyor, lift independent from main broom
· Conveyor, three piece replaceable wear plates
· Conveyor flush out system
· Conveyor raise in reverse
· Conveyor stall alarm
· Dirt shoes, heavy duty single row carbide steel (rubber isolated)
· Electric backup alarm
· Hopper inspection door
· Hopper, 4.5 cu yd with window and skylight
· Hopper up indicator and beep
· Hopper, variable high dump; 9' 6", 4.5 yard
· Hose, hydrant fill, 16' 8" with coupling
· Hydraulic oil level gauge w/ external thermometer and in-cab level light
· Hydraulic system, load sensing with selectable transmission driven PTO pump
· Lights, automatic backup
· Lights, combination tail/stop, separate amber signal
· Lights, flood light, one per broom (3)
· Manuals, operator and parts
· Rear broom cover and anti-carryover wrap
· Rear broom spray bar
· Rear right hand flood light
· Reflectors, set of 6
· Sidebroom speed control, external to cab
· Sweep resume/raise in reverse
· Tactile controls for all sweep functions
· Tool storage
· Water fill, anti-siphon
· Water level indicator in-cab
· Water Pump, electric diaphragm
· Water tank, molded polyethylene, 360 gallon total nominal capacity
· 1 Year Parts and Labor Warranty
· Sweeper Painted Standard White
· Red Logo

ADDITIONAL FEATURES

· 2019 M2 Dual Steer
· AM/FM/CD Radio
· Left Hand Fender Mounted Mirror
· Right and Left Hand Bostrom Air 905 Cloth Hi-Back
· Spare Chassis Key
· In Cab Air Restriction Gauge for Chassis
· PM-10 Complaint
· PM10 Compliant Oil Tempered Steel Bristles
· Sidebroom Tilt Option Left Hand
· Sidebroom Tilt Option Right Hand
· Carbide Double Row Rubber Mounted Dirt Shoes
· Hydraulic Oil Temperature Display
· (3) LED Work Lights
· Package A : LED Stop/Tail/Turn Lights
· Package C : (2) Rear Low Mounted Oval Amber LED Flashers
· Package D : (2) Rear High Mounted Oval Amber LED Flashers
· Slow Moving Vehicle Sign
· Sweeper Service Manual

Broom Bear – Freightliner Chassis Total:	**$257,010.00**
State and local sales Tax	$22,244.00
Total with sales tax Delivered to State of Arizona	**$279,254.00**

Price valid for 30 Days from date of 9/11/2018

Product Model: BROOMBEAR
Product Model: BROOMBEAR
Proposal Date: 9/11/2018
Quote Number: 2018-27237
Price List Date: 8/10/2018
P.O. Number:

257,010
Deducts –
Air ride seats (1,600)
Radio (375)
Cig lighter/12V. outlet (100)
254,935
Sales Tax 22,051.88
$ 276,986.88
Qualified Total Quote Amount

Jack Dreyer

From: Bill Bergman <bill.bergman@norwoodequipment.com>
Sent: Tuesday, September 11, 2018 3:08 PM
To: Jack Dreyer
Subject: FW: Street Sweeper Non-Eligible Costs

Bill Bergman
Norwood Equipment
511 E Mohave
Phoenix AZ 85004
Bill.bergman@norwoodequipment.com
Office 602-417-2291
Cell 602-301-3866

Examples of additional Street Sweeper equipment not eligible for reimbursement (revised May 19, 2017)
Response highlighted in blue

- Automatic lubrication system (Autolube, grease jockey system) Not included in this quote A-DOT – can be added at additional cost
- Hopper access step STD EQ no additional charge
- Hydrant hopper wash down system N/A
- Conveyer flush kit with hydrant STD EQ no charge
- 1000 pounds per square inch (PSI) wand N/A
- Dual HiBack air-suspended seats Add Air ride seat $800. Each X2 $1600.
- Hand hose N/A
- Hopper sound suppression N/A
- Right hand street chassis upcharge STD EQ no additional charge
- Air horn (reimbursable when conventional electric horn is not included) N/A
- AM/FM radio; CD Add Radio $375.
- Training - training included no charge
- Magnet bar N/A
- Stainless steel hopper N/A
- Sweeper, truck and wheel yellow paint N/A
- Additional roof mounted air-conditioner N/A

- Holder rear mount for five-gallon pail N/A
- Cigarette lighter with 12v $100.
- Foam filled tire N/A
- Window tinting N/A
- Move exhaust port to left side of vehicle N/A
- John Deere auxiliary enginer - Tier iT4 N/A

CENTRAL DISTRICT SWEEPING AREAS

SEPTEMBER 2018

Arizona Department of Transportation
Central District
2140 W. Hilton Ave. Phoenix, AZ
(602) 712-6664

ADOT Intermodal Transportation

CENTRAL DISTRICT BOUNDARY

UNIT 5477

UNIT 5478

UNIT 5479

UNIT 5480

UNIT 5481

FUTURE LOOP 202

Legend:

	Unit Location:
- 5477 AVONDALE	- 1702 No Elesio Felix Way Jr, Avondale
- 5478 HAPPY VALLEY	-24251 No 7th Ave, Phoenix
- 5479 EAST METRO	- 2540 West Broadway, Tempe
- 5480 MESA	- 2409 No Country Club, Mesa
- 5481 PHOENIX	- 2209 West Durango, Phoenix