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**

<table>
<thead>
<tr>
<th>Cost Type</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Estimated Cost of Sweeper</td>
<td>$276,987</td>
</tr>
<tr>
<td>Total Eligible Cost</td>
<td>$276,987</td>
</tr>
<tr>
<td>Local Share of Costs</td>
<td>$15,789</td>
</tr>
<tr>
<td>Federal Share of Costs</td>
<td>$261,198</td>
</tr>
</tbody>
</table>

### Section: Sweeper Purpose

**What the requested sweeper will be used for**

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Replace a Noncertified Street Sweeper</td>
<td>No</td>
</tr>
<tr>
<td>Expand Service Area</td>
<td>No</td>
</tr>
<tr>
<td>Increase Sweeping Frequency</td>
<td>Yes</td>
</tr>
<tr>
<td>Replace an Older Certified Street Sweeper</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### Section: Roadway Types

**The types of roads the requested sweeper will sweep**

<table>
<thead>
<tr>
<th>Type</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arterial</td>
<td>Yes</td>
</tr>
<tr>
<td>Collector</td>
<td>Yes</td>
</tr>
<tr>
<td>Residential</td>
<td>No</td>
</tr>
<tr>
<td>Other</td>
<td>No</td>
</tr>
</tbody>
</table>
Name: Unit 5480 Sweeper
Id: DOT-2019-SW-003
Agency: ADOT

### Section: Roadway Type Information

#### Details about the types of roads to be swept

<table>
<thead>
<tr>
<th>Details</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arterial Sweep Cycle Length (measured in days between sweepings)</td>
<td>7</td>
</tr>
<tr>
<td>Arterial Lane Miles to be Swept per Cycle</td>
<td>54</td>
</tr>
<tr>
<td>Arterial Average Weekday Traffic per Lane Being Swept</td>
<td>3,000</td>
</tr>
<tr>
<td>Collector Sweep Cycle Length (measured in days between sweepings)</td>
<td>7</td>
</tr>
<tr>
<td>Collector Lane Miles to be Swept per Cycle</td>
<td>14</td>
</tr>
<tr>
<td>Collector Average Weekday Traffic per Lane Being Swept</td>
<td>4,000</td>
</tr>
</tbody>
</table>

### Section: Increase Sweeping Frequency

The previous cycle lengths (measured in days between sweepings)

<table>
<thead>
<tr>
<th>Detail</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Previous Arterial Cycle Length</td>
<td>30</td>
</tr>
<tr>
<td>Previous Collector Cycle Length</td>
<td>30</td>
</tr>
</tbody>
</table>

### Section: Replace a PM-10 Certified Street Sweeper

#### Additional information about the sweeper being replaced

<table>
<thead>
<tr>
<th>Detail</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of hours in service on the sweeper that is being replaced</td>
<td>5,400</td>
</tr>
<tr>
<td>The month and year that the older certified sweeper was put into service</td>
<td>June 2004</td>
</tr>
<tr>
<td>Number of miles (including deadhead miles) on the sweeper that is being replaced</td>
<td>63,837</td>
</tr>
<tr>
<td>Percent of time older sweeper was out of service</td>
<td>80%</td>
</tr>
<tr>
<td>Additional information about out of service percentage</td>
<td>The PM10 Sweepers are known to need excessive maintenance. This one is 14 years old, parts have worn out.</td>
</tr>
</tbody>
</table>
## Section: Proximity to PM-10 Monitor

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

<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Will the requested certified sweeper be used within 4 miles of a PM-10 monitor?</td>
<td>Yes</td>
</tr>
<tr>
<td>Names of PM-10 monitors within 4 miles of sweeping route</td>
<td>Apache Junction Fire Station, Lehi, High School, Senior Center, Fort McDowell</td>
</tr>
</tbody>
</table>

## Section: Local Resource Allocation

**The resources prepared to make use of the street sweeper**

<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Have local resources been committed to support the operation of the sweeper?</td>
<td>Yes</td>
</tr>
<tr>
<td>Details about local resources</td>
<td>One Highway Operation Tech will operate the sweeper, $60,000/yr. Lifetime (14 yrs) sweeper maintenance cost has been $182,000.</td>
</tr>
</tbody>
</table>

## Section: Geographical Area

**Information about the geographical area that the sweeper will operate in**

<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
</tr>
</thead>
</table>
| 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**

<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is the agency willing to provide MAG with additional information?</td>
<td>Yes</td>
</tr>
<tr>
<td>Number of Certified Sweepers Operated by Agency</td>
<td>5</td>
</tr>
<tr>
<td>Number of Noncertified Sweepers Operated by Agency</td>
<td>0</td>
</tr>
</tbody>
</table>

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

Quote Number: 2018-27237

Bill Bergman
Tel: 6023013866

1 of 5
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

Quote Number: 2018-27237

2 of 5
- 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:

\[
\begin{align*}
\text{Deducts} & \\
\text{Air ride seats} & (1,600) \\
\text{Radio} & (375) \\
\text{Cig lighter/12V outlet} & (100) \\
\hline
\text{Total} & 254,935 \\
\text{Sales Tax} & 22,051.88 \\
\hline
\text{Total Quote Amount} & 276,986.88
\end{align*}
\]
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
- Conveyor 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 engine - Tier IT4 N/A