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City of Chandler

2017
C.M.A.Q
Funding Application
For
Sweeper Replacement

Unit # 08217
VIN – 1HTJTSKN38J695745

PM-10 CERTIFIED STREET SWEEPER APPLICATION

CMAQ Funding Available for Federal Fiscal Year 2017

General Instructions:

This form is to be used to request federal Congestion Mitigation and Air Quality (CMAQ) funding available through the Maricopa Association of Governments (MAG) for PM-10 certified street sweepers. An estimated **\$2,600,422 in FY 2017 CMAQ funding is available regionwide.**

This application form includes: Part A - Contact Information, Part B - Cost and Funding Information, Part C - Methodology, Part D - Supplemental Information, Part E - Signature, and Part F - Checklist (These 6 parts are in one tab). Separate tabs are provided for Attachment 1 - list of eligible street sweepers for CMAQ reimbursement, Attachment 2 - list of example equipment not eligible for CMAQ reimbursement, and Map - a map of the PM nonattainment areas and monitor locations. Alternative application forms are available upon request.

TRANSMITTAL INSTRUCTIONS and SCHEDULE

Application Submittal Requirements

All applications are due on **Thursday, September 29, 2016 by 10:00 a.m.** Both an electronic and printed copy of the application and all attachments are required.

The electronic copy of the application includes the following:

- a. A completed Excel spreadsheet application in MS Excel format (Please do not send a PDF or Fax instead of the spreadsheet)
- b. A PDF or FAXed copy of the Excel spreadsheet with the signature block in Part E signed and dated
- c. A PDF or FAXed copy of all required attachments

The printed copy of the application includes the following:

- a. A printout of the completed Excel spreadsheet application, with the signature block in Part E signed and dated
- b. Printed copies of all required attachments

MAG Mailing address

Electronic applications should be sent to the following address:

[mailto: MAG Staff](mailto:MAG Staff)

Printed copies should be addressed as follows:

Maricopa Association of Governments
ATTN: Teri Kennedy,
302 N. 1st Avenue, Suite #300,
Phoenix, AZ 85003.

If a complete, signed electronic copy is received by the submittal deadline, applicants have five working days to submit a printed copy of the application.

Application Workshops and Open Working Group Meeting Schedule*

Date	Time	Room	Event
Monday, August 22, 2016	3:00-4:00 PM	Chaparral	Workshop on MAG Transportation Programming and Federal Fund Project Applications
Tuesday, September 13, 2016	2:30-3:30 PM	Ironwood	Open Working Group - Federal Fund Project Applications
Tuesday, September 27, 2016	11:15-12:15 PM	Cottonwood	Open Working Group - Federal Fund Project Applications

* All meetings are on the 2nd floor of the MAG Offices at 302 N. 1st Avenue, Phoenix, Az 85003

MAG Contact Information

Contact Name	Phone	E-Mail Address
MAG Offices	602-254-6300	
Teri Kennedy	602-254-6300	TKennedy@azmag.gov
Dean Giles	602-254-6300	DGiles@azmag.gov
Stephen Tate	602-452-5010	State@azmag.gov

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All information in Parts A, B, C, D and E are required.

PART A - CONTACT INFORMATION

Contact Information

1. Agency Name (Please select one)	Chandler
2. Name:	Rex Hartmann
3. Phone:	480-782-3493
4. E-Mail:	Rex.Hartmann@chandleraz.gov
5. Mailing Address:	P.O Box 4008 Mail Stop 909
	Chandler Az 85244-4008

PART B - FUNDING INFORMATION

6. Please attach a detailed price summary for the proposed equipment from the vendor. Additional costs for optional equipment beyond the specifications necessary for compliance with Rule 1186-certification are not eligible for reimbursement.	Please attach the detailed price summary when submitting and transmitting application.		
7. Funding Information	Amount		
(a) Total Cost of Sweeper	\$258,455		
(b) Total Cost Eligible for Reimbursement (See the Attachment 1 for Rule 1186 List of Eligible Sweepers)	\$255,973		
(c) Costs not eligible for reimbursement. The Local Agency is responsible for these costs. = 7a - 7b (See Attachment 2 for list of example ineligible equipment for CMAQ reimbursement)	\$2,482		
8. Reimbursement Information	Amount	Funding Type	Share of Eligible Cost (See #7)
(a) Federal Share of Total Cost Eligible for Reimbursement (Cannot be more than 94.3% of Total Eligible Cost for Reimbursement as listed in 7b) = 7b * 94.3%	\$241,383	CMAQ	94.3%
(b) Local Share of Total Cost Eligible for Reimbursement (Cannot be less than 5.7% of Total Cost Eligible for Reimbursement as listed in #7b) = 7b *5.7%	\$14,590	Local	5.70%
9. Project Funding Based on Information from #7 & #8	Federal Share = 8a	Local Share = 7c + 8b	Total Cost of Sweeper
	\$241,383	\$17,072	\$258,455

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PART C: METHODOLOGY INFORMATION

Information in Part C is used to calculate a CMAQ cost effectiveness score for the requested street sweeper.

10. The requested PM-10 certified street sweeper will (Select Yes or No for all that apply):

- (a) Replace a noncertified street sweeper
- (b) Expand service area
- (c) Increase sweeping frequency
- (d) Replace an older certified street sweeper

Yes

11. For the requested sweeper, please provide the information for roadway types in the table below for:

- (a) Sweeping cycle length (measured in days between sweepings)
- (b) Lane miles to be swept per cycle
- (c) Average weekday traffic per lane being swept
- (d) If values were entered in the "Other" column, please specify what "Other" means:

Arterial Street	Collector Street	Residential Street	Other
0	30	30	0
0	43	493	0
0	2,837	88	0

12. If "expand service area" was "yes" in question #10, please provide the following information for the roadway types in the table below:

- Previously unswept lane miles to be swept by the new sweeper:
- If values were entered in the "Other" column, please specify what "Other" means:

Arterial Street	Collector Street	Residential Street	Other
0	0	0	0

13. If "increase sweeping frequency" was "yes" in question #10, please provide the following information for the roadway types in the table below:

- Previous cycle length (measured in days between sweepings):
- If values were entered in the "Other" column, please specify what "Other" means:

Arterial Street	Collector Street	Residential Street	Other
0	0	0	0

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14. If "replace an older PM-10 certified street sweeper" was "yes" in question #10, please provide information in the following boxes: (Note that at least one of a, b, or c must exceed useful life standards.)

(a) Number of hours in service of the sweeper that is being replaced	11,254	Useful life standard: 12,000 hours
(b) The month and year that the older certified sweeper was put into service (e.g. 4/2001)	Jul-08	Exceeds Useful life standard: 8 years
(c) Number of miles (including deadhead miles) on the sweeper that is being replaced	71,080	Useful life standard: 96,000 miles
(d) An estimate of the percent of time the older sweeper was out of service in the past year due to repairs and maintenance issues	35%	
(e) Please explain why the older sweeper was out of service.	electrical, Heating & Cooling, Hopper/ blower housing thinning walls.	

15. Will the requested certified street sweeper be used to sweep streets within 4 miles of a PM-10 monitor? If yes, please specify which monitor.
[Link to MAG for PM-10 Map](#)
 Monitor 13

Part D - SUPPLEMENTAL INFORMATION:

16. Have local resources been committed such as staff or equipment to support the operation of the PM-10 certified street sweeper? (Please select Yes or No)
 Yes
 If yes, please provide details (e.g., number, type and cost of employees, equipment, and maintenance).
 Chandler provides for the maintenance, fuel and operator for the life of the sweeper.

17. Please indicate in what geographical area(s) the requested certified street sweeper will operate (e.g., Glendale Ave. to Thomas Rd.; 19th Ave. to Central Ave).
 Almaschool s. of western canal to Germann then w. to price rd then n to Chandler blvd then w. to Mcklintock, kyrene, 56, then n. to Ray rd e. of 56st to Price then n. to Elliot then e. to Almaschool. This is the boundry area of residential sweeping.

18. Provide a map of the area to be swept by the proposed sweeper.
 Please attach a PDF when submitting and transmitting application. If available, please submit a GIS shape showing swept area.

19. Please indicate if your agency would be willing to provide MAG with additional information on the requested PM-10 certified street sweeper. (Please select Yes or No)
 Yes

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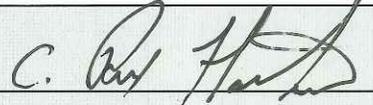
CMAQ Funding Available for Federal Fiscal Year 2017

20. Please indicate the total number of sweepers currently owned and operated by your agency for sweeping streets:

(a) PM-10 certified:	10
(b) Noncertified:	0

PART E - SIGNATURE PAGE

As the jurisdiction's manager/administrator or designated representative, I certify that the information contained in this application is accurate and complete and that the local funds for this project will be included in the sponsoring MAG member agency's local current CIP/TIP or budget document if the project is selected for federal funding.

Signature: 

Rex Hartmann

Title: Superintendent

Date: 9/13/16

PART F - CHECK LIST (OPTIONAL)

This check list is optional, but is included to facilitate applicant review and verification that all required fields in the form have been completed

Part A - Fields 1- 5 are complete	Yes
Part B - Fields 6-9 are complete	Yes
Part C - Fields 10-15 are complete	Yes
Part D - Fields 16-20 are complete	Yes

Factory Total: \$276,900.00
NIPA Contract Discount: \$(38,912.00)

Total \$237,988.00

NIPA Contract # 022014-FSC

8.6 % State and local TAX= \$20,466.97 + 237,988.00 = Total with TAX \$ 258,454.97

Price valid for 30 Days from date of 9/6/2016

Product Model: BROOMBEAR

Product Model: BROOMBEAR

Proposal Date: 9/6/2016

Quote Number: 2016-17074

Price List Date: 9/6/2016

P.O. Number:

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
- Chassis Painted Standard White
- Red Logo

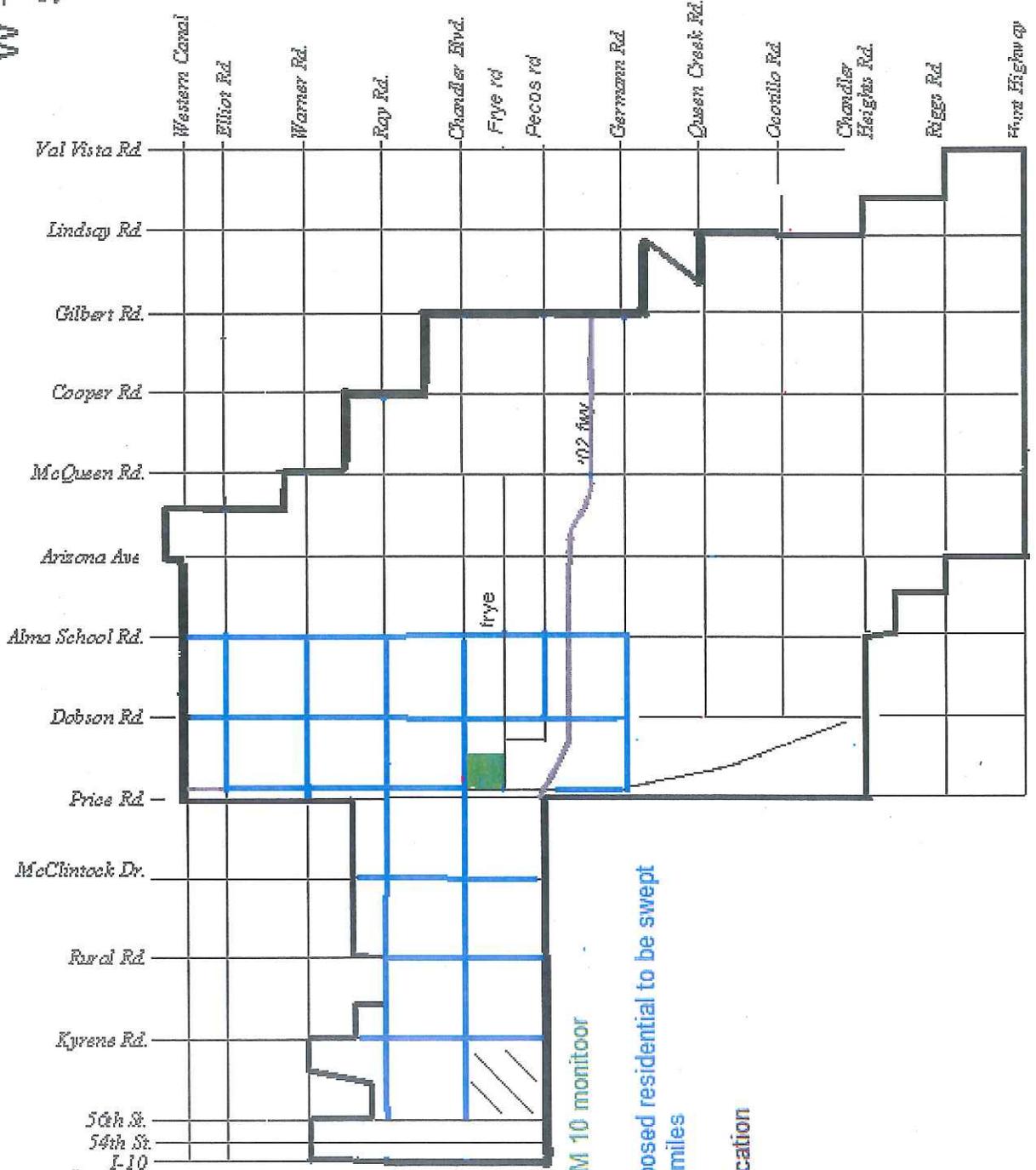
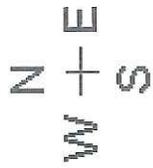
. Rear view monitor camera (standard Feature) \$ 682.00

ADDITIONAL FEATURES

. Right Hand Bostrom High Back Air 905 Seats \$ 1,035.00

. Carbide Double Row Dirt Shoe \$ 765.00

Total \$ 2,482.00



Green - P.M 10 monitor

Blue - purposed residential to be swept
18 square miles

2017 Application

