Replace Street Sweeper unit #1997 with new SCHWARZE PM-10 Certified Street Sweeper

PM-10 CERTIFIED STREET SWEEPER APPLICATION
CMAQ Funding Available for Federal Fiscal Year 2013

General Instructions:
This form is to be used to request federal Congestion Mitigation and Air Quality (CMAQ) funding available through the Maricopa

This application form includes: Part A - Contact Information, Part B - Cost and Funding Information, Part C - Methodology, Part D -

Deadlines and Transmittal Instructions:

Two copies of a printed, complete and signed application must be received in the MAG offices by **10:00 a.m. Wednesday, September 19, 2012**. The application is also to be submitted electronically. Detailed transmittal instructions are located in the excel tab - Transmittal Inst. and Schedule.

If member agencies need additional information or have questions, they should contact Dean Giles, Teri Kennedy, or Stephen Tate at
mailto:dgiles@azmag.gov
mailto:tkennedy@azmag.gov
mailto:state@azmag.gov

All information is required.

PART A - CONTACT INFORMATION

Contact Information

1. Agency Name (Please select one)	Mesa
2. Name:	Maria Angelica Deeb
3. Phone:	480-644-2845
4. E-Mail:	Maria.Deeb@mesaaz.gov
5. Mailing Address:	City of Mesa Transportation Department
	P.O. Box 1466
	Mesa, AZ. 85201

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	See Balar quote (# 812241 dated 8/21/2012) Pages 4 & 5		
7. Funding Information	**Amount**		
(a) Total Cost of Sweeper	**$258,248**		
(b) Total Cost Eligible for Reimbursement (See Attachment 1 for list of Rule 1186 Sweepers)	**$243,739**		
(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)	**$14,509**		
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%	**$229,846**	**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%	**$13,893**	**Local**	**5.70%**
9. Project Funding Based on Information from #7 & #8	**Federal Share = 8a**	**Local Share = 7c + 8b**	**Total Cost of Sweeper**
	$229,846	**$28,402**	**$258,248**

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 **(The older certified sweeper being replaced should be at least 8 years old)**	Yes

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

	Arterial Street	Collector Street	Residential Street	Other
(a) Sweeping cycle length (measured in days between sweepings)			30	
(b) Lane miles to be swept per cycle			1968	
(c) Average weekday traffic per lane being swept			25	

(d) If values were entered in the "Other" column, please specify what "Other" means:

Note (11.b): 1,968 are the TOTAL curb lane miles Mesa sweeps per cycle. These are only for residential areas since arterials and collectors are contracted. Each sweeper covers 393.6 curb lane miles per cycle. The cycle (is accomplished in a four week period) covering 48 routes operating on a 4X10 schedule covering 24.6 curb lane miles per day.

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

	Arterial Street	Collector Street	Residential Street	Other
- Previously unswept lane miles to be swept by the new sweeper:				

If values were entered in the "Other" column, please specify what "Other" means:

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

	Arterial Street	Collector Street	Residential Street	Other
- Previous cycle length (measured in days between sweepings):				

If values were entered in the "Other" column, please specify what "Other" means:

14. **If "replace an older PM-10 certified street sweeper" was "yes" in question #10**, please provide information in the following

(a) Number of hours in service of the sweeper that is being replaced	Current total hours equal 4,512 but at time of replacement the estimate is 6,000
(b) The month and year that the older certified sweeper was put into service (e.g. 4/2001)	Dec-06
(c) An estimate of the percent of time the older sweeper was out of service in the past year due to repairs and maintenance issues	17
(d) Please explain why the older sweeper was out of service.	Due to repairs and mechanic labor. See 1997 Delay Report for further details.

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 webpage for PM-10 Map

2 & 10

Part D - SUPPLEMENTAL INFORMATION:

16. Have local resources been committed for additional staff or equipment to support 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).

The City of Mesa has committed resources (local funds) for the 5.7% match required. It has also committed local funds to purchase those items not eligible for reimbursement.

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).	The sweepers are rotated and sweep all residential streets within City borders. The operation area of the new sweeper is to be all residential streets located between Price Rd to Meridian Rd and the Western Canal to Thomas Rd. It would also operate in the area located from Power Rd to Meridian Rd and Germann Rd to Thomas Rd.
18. Provide a map of the area to be swept by the proposed sweeper.	See map Page 6
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
20. Please indicate the total number of sweepers currently owned and operated by your agency for sweeping streets:	
(a) PM-10 certified:	7
(b) Noncertified:	
21. Does the requested sweeper satisfy a commitment made by your agency in the 2007 MAG Five Percent Plan for PM-10? Please check your agency's resolution in which commitments for PM-10 measures were made for this Plan. If you have any questions, please call Dean Giles, (602) 254-6300.(Please select Yes or No)	Yes

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:

Name: Daniel K. Cleavenger

Title: Transportation Department Director

Date:

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 10-14 are complete	Yes
Part D - Fields 15-21 are complete	Yes

17. Please indicate in what geographical area(s) the requested certified street sweeper will operate (e.g., Glendale Ave. to Thomas Rd., 20th Ave. to Central Ave).	The sweepers are rotated and sweep all residential streets within City borders. The operation area of the new sweeper is to be all residential streets located between Price Rd to Meridian Rd and the Western Canal to Thomas Rd. It would also operate in the area located from Power Rd to Meridian Rd and Germann Rd to Thomas Rd.	
18. Provide a map of the area to be swept by the proposed sweeper.	See map Page 6	
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	
20. Please indicate the total number of sweepers currently owned and operated by your agency for sweeping streets: (a) PM-10 certified (b) Non-certified	1	
21. Does the requested sweeper satisfy a commitment made by your agency in the 2007 MAG Five Percent Plan for PM-10? Please check your agency's resolution in which commitments for PM-10 measures were made for this Plan. If you have any questions, please call Sean Giles, (602) 254-6300. (Please select Yes or No)	Yes	

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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:	[signature]
Name: Daniel K. Cleavenger	
Title: Transportation Department Director	
Date: 9/17/12	

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 10-14 are complete	Yes	
Part D - Fields 15-21 are complete	Yes	

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QUOTATION

BALAR EQUIPMENT
11023 N. 22ND AVE.
P.O. BOX 83118
PHOENIX, AZ 85029

Voice: 602-944-1933
Fax: 602-944-9687

Quote Number: 812234
Quote Date: Aug 21, 2012
Page: 1

Quoted To:
CITY OF MESA 363 TRANSPORTATION P.O. BOX 16795 MESA, AZ 85211-6795

Customer ID	Good Thru	Payment Terms	Sales Rep
MESA-1	9/20/12	Net 10 Days	JB

Quantity	Item	Description	Unit Price	Amount
1.00	SCH-M6000TE SN	SCHWARZE M6000TE SWEEPER-TWIN ENGINE, RIGHT HIGH DUMP UNIT WITH TIER III ENGINE *INCLUDES: *MAIN BROOM-TUBE-STANDARD *DRAG SHOES-STANDARD *DUAL GUTTER BROOM WITH POWER TILT *WATER TANK LOW LEVEL ALARM AND INDICATOR LIGHT *5 CUBIC YARD DEBRIS HOPPPER, 3.5 CUBIC YARD USABLE *VARIABLE SPEED DUAL GUTTERBROOMS *HYDRAULIC FILTER RESTRICTION ALARM & INDICATOR *FRONT & REAR LED STROBE W/GUARD *ARROWBOARD, TRAFFIC GUIDE SPLIT, LED *SWEEPER STANDBY *INTERNATIONAL CHASSIS 4300M7DS2500 '12 *12" PARABOLIC MIRROR SET *350 GALLONS WATER	232,615.00	232,615.00

Subtotal	Continued
Sales Tax	Continued
Freight	Continued
TOTAL	**Continued**

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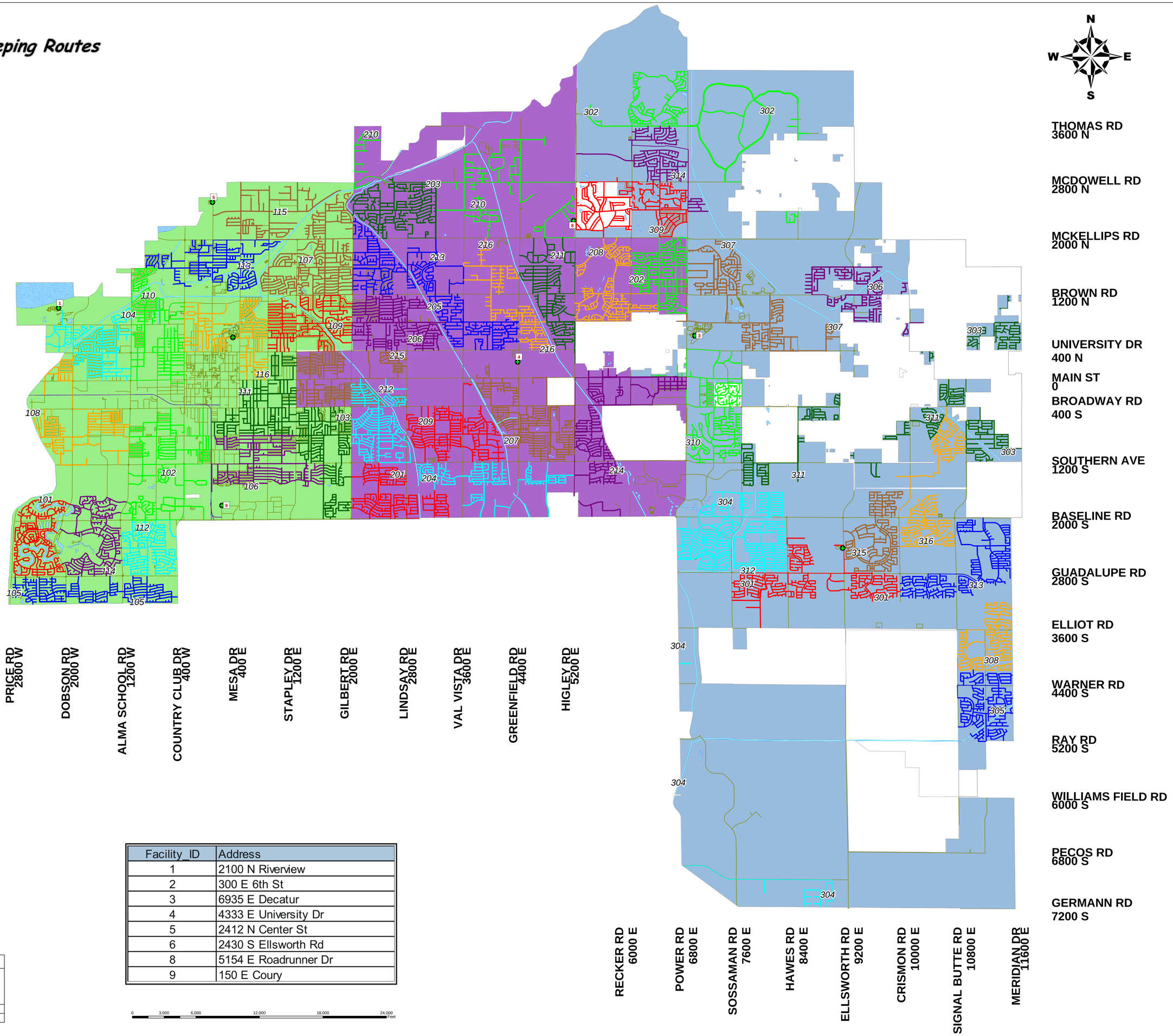
Customer ID	Good Thru	Payment Terms	Sales Rep
MESA-1	9/20/12	Net 10 Days	JB

Quantity	Item	Description	Unit Price	Amount
		*GUTTERBROOM, MAINBROOM, ELEVATOR DUST SUPPRESSION SYSTEM *ELEVATOR JAM ALARM AND INDICATOR . . . **OPTIONS PRICING: AUTO LUBE ON SWEEPER ONLY--$5,425.00 AUTO LUBE ON SWEEPER AND CHASSIS--$6,250.00 REAR CAMERA--$700.00 HOPPER ACCESS STEP--N/C DRAG SHOE CARBIDE--N/C HYDRANT HOPPER WASH DOWN SYSTEM--N/C CONVEYER FLUSH KIT WITH HYDRANT--N/C DUAL HIBACJ AIR SUSPENSION SEATS--$900.00 PER SEAT		

Total cost of items that are non-eligible reimbursement $ 13,275 + 9.3% tax = $14,509

Subtotal	232,615.00
Sales Tax	21,633.20
Freight	4,000.00
TOTAL	**258,248.20**

In-House Sweeping Routes



Solid Waste

SW_ZONES
ZONE
- Wed - Sat
- Tues - Fri
- Mon - Thur

Facility_ID	Address
1	2100 N Riverview
2	300 E 6th St
3	6935 E Decatur
4	4333 E University Dr
5	2412 N Center St
6	2430 S Ellsworth Rd
8	5154 E Roadrunner Dr
9	150 E Coury

Transportation Department

In-House Sweeping Routes

Drawn By: Diane Youngs	Revised: 12/13/2011 updated 9/11/12
Drawn For: Pat Shanovich	Filename: Sweep_rev09__12.mxd