



**City of Phoenix Congestion Mitigation Air Quality (CMAQ)  
PM10-Street Sweeper Application – FY 2014**

**November 22, 2013**

**PM-10 CERTIFIED STREET SWEEPER APPLICATION**  
**CMAQ Funding Available for Federal Fiscal Year 2014**

**General Instructions:**

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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 the Transmittal Instructions and the Schedule, Attachment 1 - list of eligible street sweepers for CMAQ reimbursement, and Attachment 2 - list of example equipment not eligible for CMAQ reimbursement. Alternative application forms are available upon request.

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If member agencies need additional information or have questions, they should contact Dean Giles, Teri Kennedy, or Stephen Tate at

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- <mailto:tkennedy@azmag.gov>
- <mailto:state@azmag.gov>

**All information is required.**

**PART A - CONTACT INFORMATION**

**Contact Information**

1. Agency Name (Please select one)	Phoenix
2. Name:	Roger Fyffe or Leticia Vargas, P.E.
3. Phone:	602-256-3139 or 602-261-8076
4. E-Mail:	roger.fyffe@phoenix.gov or leticia.vargas@phoenix.gov
5. Mailing Address:	200 W Washington St. 5th floor Phx. Az. 85003-1611

**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 Attachment Price summary, Vendor Quot.		
7. Funding Information (a) Total Cost of Sweeper  (b) Total Cost Eligible for Reimbursement ( See the PDF file Rule 1186 Sweepers included in the e-mail transmittal)  ( 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 )	<b>Amount</b>		
	<b>\$252,114</b>		
	<b>\$237,744</b>		
8. Reimbursement Information (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%  (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%	<b>Amount</b>	<b>Funding Type</b>	<b>Share of Eligible Cost (See #7)</b>
	<b>\$224,193</b>	<b>CMAQ</b>	<b>94.3%</b>
	<b>\$13,551</b>	<b>Local</b>	<b>5.70%</b>
	<b>\$14,370</b>		

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9. Project Funding Based on Information from #7 & #8	<b>Federal Share = 8a</b>	<b>Local Share = 7c + 8b</b>	<b>Total Cost of Sweeper</b>
	\$224,193	\$27,921	\$252,114

**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	no
(b) Expand service area	no
(c) Increase sweeping frequency	no
(d) Replace an older certified street sweeper (The older certified sweeper being replaced should be at least 8 years old)	Yes #133322

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)	14	14	90	
(b) Lane miles to be swept per cycle	32	25	20	
(c) Average weekday traffic per lane being swept	8800	5000	500	
(d) If values were entered in the "Other" column, please specify what "Other" means:				

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

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- 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	14,202 hrs.			
(b) The month and year that the older certified sweeper was put into service (e.g. 4/2001)	Oct-01			
(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	34.40%			
(d) Please explain why the older sweeper was out of service.	Parts are often unavailable, vendor no longer manufactures parts.			
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. <a href="#">Link to MAG webpage for PM-10 Map</a>	Yes, The sweeper to be replaced is part of a fleet that sweeps in our Southwest sweeping area. {see attached map} It is within four miles of PM-10 monitors. 2, 5, 7, 11, 15, 16 & 17.			
<b>Part D - SUPPLEMENTAL INFORMATION:</b>				
16. Have local resources been committed for additional staff or equipment to support the PM-10 certified street sweeper? (Please select Yes or No) If yes, please provide details (e.g., number, type and cost of employees, equipment, and maintenance).	Yes	The City has set aside \$27,921 in the 2014 budget year for sweeper purchase. This amount includes the 5.7% local matching funds and items not eligible for Federal reimbursements.		
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 area within the City of Phoenix bounded by 111th Ave to 1St. Ave, W Bethany Home Rd. to W Pecos Rd. ( See attached map)			
18. Provide a map of the area to be swept by the proposed sweeper.	See attachment for map			

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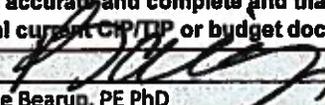
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19. Please indicate if your agency would be willing to provide MAG with additional information on the requested PM-10 certified street sweeper. (Please select Yes or No)	Yes
20. Please indicate the total number of sweepers currently owned and operated by your agency for sweeping streets:	
(a) PM-10 certified:	34
(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.

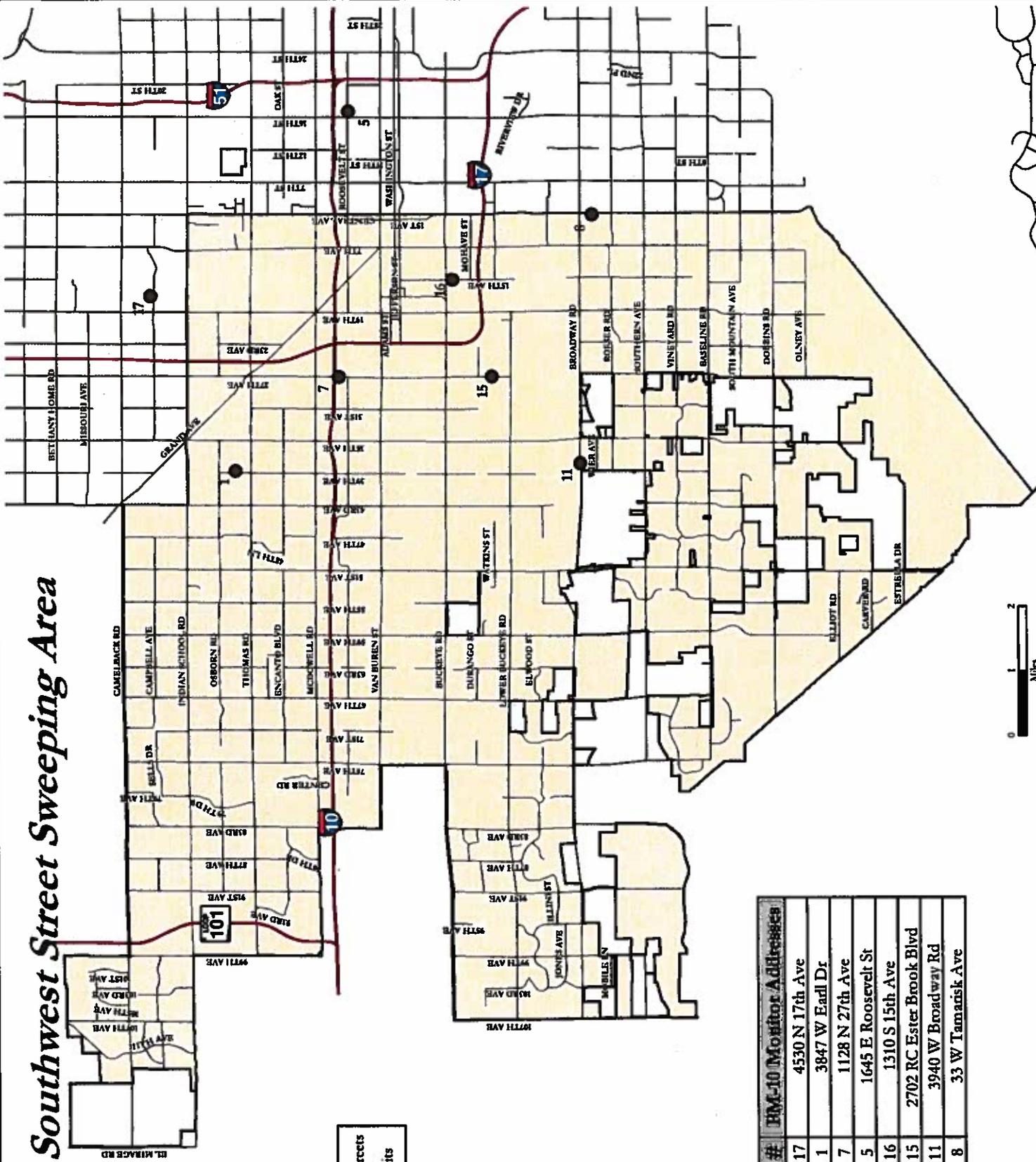
Signature:   
 Name: Wylie Bearup, PE PhD  
 Title: City of Phoenix Street Transportation Director  
 Date: 11/22/13

**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

# Southwest Street Sweeping Area



— Major Streets  
 □ City Limits

#	RM-10 Monitor Addresses
17	4530 N 17th Ave
1	3847 W Eadl Dr
7	1128 N 27th Ave
5	1645 E Roosevelt St
16	1310 S 15th Ave
15	2702 RC Ester Brook Blvd
11	3940 W Broadway Rd
8	33 W Tamausk Ave



# NORWOOD EQUIPMENT INC.

214969

## QUOTATION

2422 S. 19th Ave  
 Phoenix, AZ 85009  
 Phone 602-254-0644 Fax 602-253-0164

<b>FOR:</b>	City of Phoenix	DATE: 11/15/2013		
	MAG Broom Bear Quote			
<b>ATTN:</b>	Roger Fyffe	QUOTATION#2072 Revised		
	Fax			
	<a href="mailto:roger.fyffe@phoenix.gov">roger.fyffe@phoenix.gov</a>			
QUANTITY		T	UNIT PRICE	AMOUNT
1 Each	Elgin Broom Bear Street Sweeper			214,869.00
	OPTIONAL ITEMS			
2 Each	Air Ride Seats			1,588.00
	Slow Moving Vehicle Emblem			84.00
	Main Broom Odometer			320.00
	25' Water Hose			330.00
	RH Gutter Broom Tilt			1,090.00
	LH Gutter Broom Tilt			1,090.00
	Hopper Mounted Strobe With Guard			830.00
	PM10 Compliant			2,710.00
	Auto Lube Sweeper/Chassis			6,375.00
	Master Battery Shutoff			700.00
	LH Fender Mirror			200
	AM/FM Stereo			250
	Safety Check Bolts			82
	2 Spare Tires/Wheels			1800
	James King Reflector Kit			224
	5LB. Fire Extinguisher			30
	Brigade Electronic Back Up Alarm			310
	QUOTE GOOD THROUGH DECEMBER 2014			

SUBTOTAL	\$ 232,792.00
TAX RATE	8.3%
SALES TAX	19,321.74
OTHER	
<b>TOTAL</b>	<b>\$ 252,113.74</b>

If you have any questions concerning this quotation contact Name, Phone Number, Email  
**THANK YOU FOR YOUR BUSINESS!**