

CMAQ Application - City of Mesa FY 2016 PM 10 Certified Street Sweeper Unit



Due: September 21, 2015 at 10:00 a.m.
(LATE AND/OR INCOMPLETE APPLICATIONS WILL NOT BE ACCEPTED)

Estimated \$1,081,440 in FY 2016 CMAQ funding is available regionwide.



RESOLUTION NO. 10679

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MESA, MARICOPA COUNTY, ARIZONA, AUTHORIZING THE SUBMITTAL OF A GRANT APPLICATION FOR THE PURCHASE OF A PM-10 CERTIFIED STREET SWEEPER, AND AUTHORIZING THE CITY MANAGER TO EXECUTE SUCH DOCUMENTS AS MAY BE NECESSARY TO EVIDENCE AND IMPLEMENT THE GRANT IF AWARDED.

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF MESA, MARICOPA COUNTY, AS FOLLOWS:

Section 1: That the City of Mesa does hereby approve the submittal of an application for the Grant, and accept all conditions of the Arizona Department of Transportation, Congestion Mitigation and Air Quality Improvement (CMAQ) funding, if awarded to the City, including without limitation, the requirement that the City pay all cost in excess of the amount of the Grant, provide matching funds equal to 5.7% of the Grant award, prepare the project for bid and authorize the project for construction within the federal aid fiscal year where the grant is programmed, and agree to maintain the project in perpetuity after its completion.

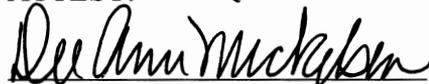
Section 2: That the City Manager or his designee is hereby authorized to take such actions and to execute such documents as are necessary or appropriate to effectuate the purposes of this resolution and to implement the Grant, if awarded to the City of Mesa.

PASSED AND ADOPTED by the City Council of the City of Mesa, Maricopa County, Arizona, this 14th day of September, 2015.

APPROVED:


MAYOR

ATTEST:


CITY CLERK



PM-10 CERTIFIED STREET SWEEPER APPLICATION

CMAQ Funding Available for Federal Fiscal Year 2016

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 **\$1,081,440 in FY 2016 CMAQ funding is available nationwide.**

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 **Monday, September 21, 2015 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 PartE 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
Wednesday, August 19, 2015	10:00-11:30 AM	Saguaro	Workshop on MAG Transportation Programming and Federal Fund Project Applications
Monday, August 24, 2015	8:30-10:00 AM	Chaparral	Open Working Group - Federal Fund Project Applications
Monday, September 14, 2015	9:00-10:00 AM	Chaparral	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

PM-10 CERTIFIED STREET SWEEPER APPLICATION

CMAQ Funding Available for Federal Fiscal Year 2016

All information in Parts A, B, C, D and E are 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:	MS2000
	300 E. Sixth Street
	PO Box 1466 Mesa, Arizona 85211-1466

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	\$		211,345.31
(b) Total Cost Eligible for Reimbursement (See the Attachment 1 for Rule 1186 List of Eligible Sweepers)	\$		176,835.19
(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)	\$		34,510.12
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%	\$166,756	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%	\$10,080	Local	5.70%
9. Project Funding Based on Information from #7 & #8	Federal Share = 8a	Local Share = 7c + 8b	Total Cost of Sweeper
	\$166,756	\$44,590	\$211,345

PM-10 CERTIFIED STREET SWEEPER APPLICATION

CMAQ Funding Available for Federal Fiscal Year 2016

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	Yes
(c) Increase sweeping frequency	No
(d) Replace an older certified street sweeper	No

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)	20	20	20	20
(b) Lane miles to be swept per cycle	64	20	50	6
(c) Average weekday traffic per lane being swept	6504	413	42	79
(d) If values were entered in the "Other" column, please specify what "Other" means:	The 5 parking lots/structures that are to be swept are used by the City for it's events. For parking map and square footage details see attached. See supporting document & details page			

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
	14	20	50	6
	Parking lots and garages (added sft and divided by lane-mile)			

PM-10 CERTIFIED STREET SWEEPER APPLICATION
CMAQ Funding Available for Federal Fiscal Year 2016

<p>13. If "increase sweeping frequency" was "yes" in question #10, please provide the following information for the roadway types in the table below:</p> <p>- Previous cycle length (measured in days between sweepings):</p>	Arterial Street	Collector Street	Residential Street	Other

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 boxes: (Note that at least one of a, b, or c must exceed useful life standards.)

<p>(a) Number of hours in service of the sweeper that is being replaced</p>		<p>Useful life standard: 12,000 hours</p> <p>Useful life standard: 8 years</p> <p>Useful life standard: 96,000 miles</p>
<p>(b) The month and year that the older certified sweeper was put into service (e.g. 4/2001)</p>		
<p>(c) Number of miles (including deadhead miles) on the sweeper that is being replaced</p>		
<p>(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</p>		
<p>(e) Please explain why the older sweeper was out of service.</p>		

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](#)

Yes, monitor #14

PM-10 CERTIFIED STREET SWEEPER APPLICATION
CMAQ Funding Available for Federal Fiscal Year 2016

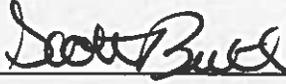
Part D - SUPPLEMENTAL INFORMATION:

<p>16. Have local resources been committed for 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).</p>	<p>No</p>	<p>No additional staff will be hired for operating new sweeper.</p>
<p>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).</p>	<p>City-wide see detailed map</p>	
<p>18. Provide a map of the area to be swept by the proposed sweeper.</p>	<p>Please attach a PDF when submitting and transmitting application. If available, please submit a GIS shape showing swept area.</p>	
<p>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)</p>	<p>Yes</p>	
<p>20. Please indicate the total number of sweepers currently owned and operated by your agency for sweeping streets:</p>		
<p>(a) PM-10 certified:</p>	<p>9</p>	
<p>(b) Noncertified:</p>	<p>0</p>	

PM-10 CERTIFIED STREET SWEEPER APPLICATION
CMAQ Funding Available for Federal Fiscal Year 2016**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:

Scott J. Butler

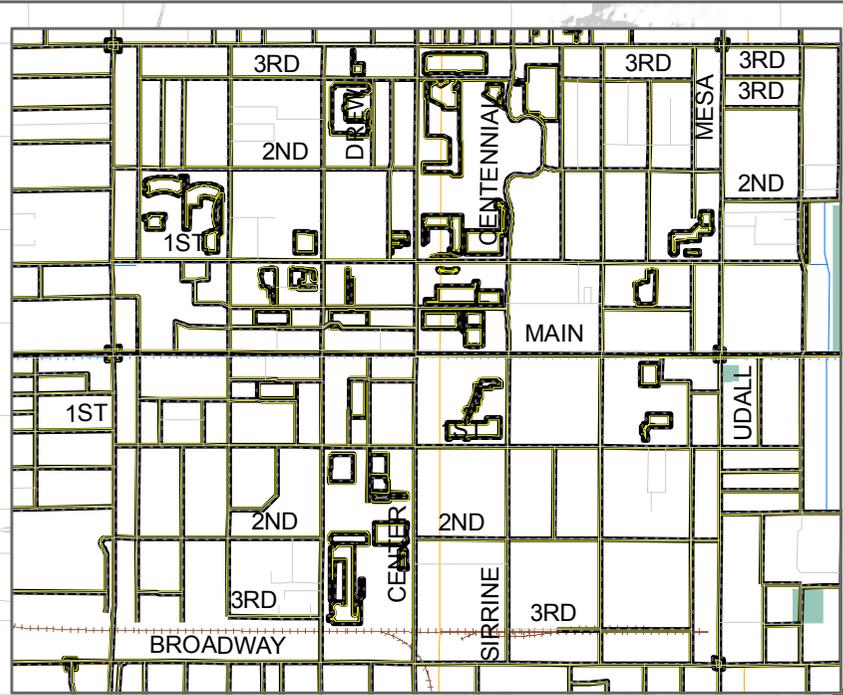
Title:

Deputy City manager

Date:

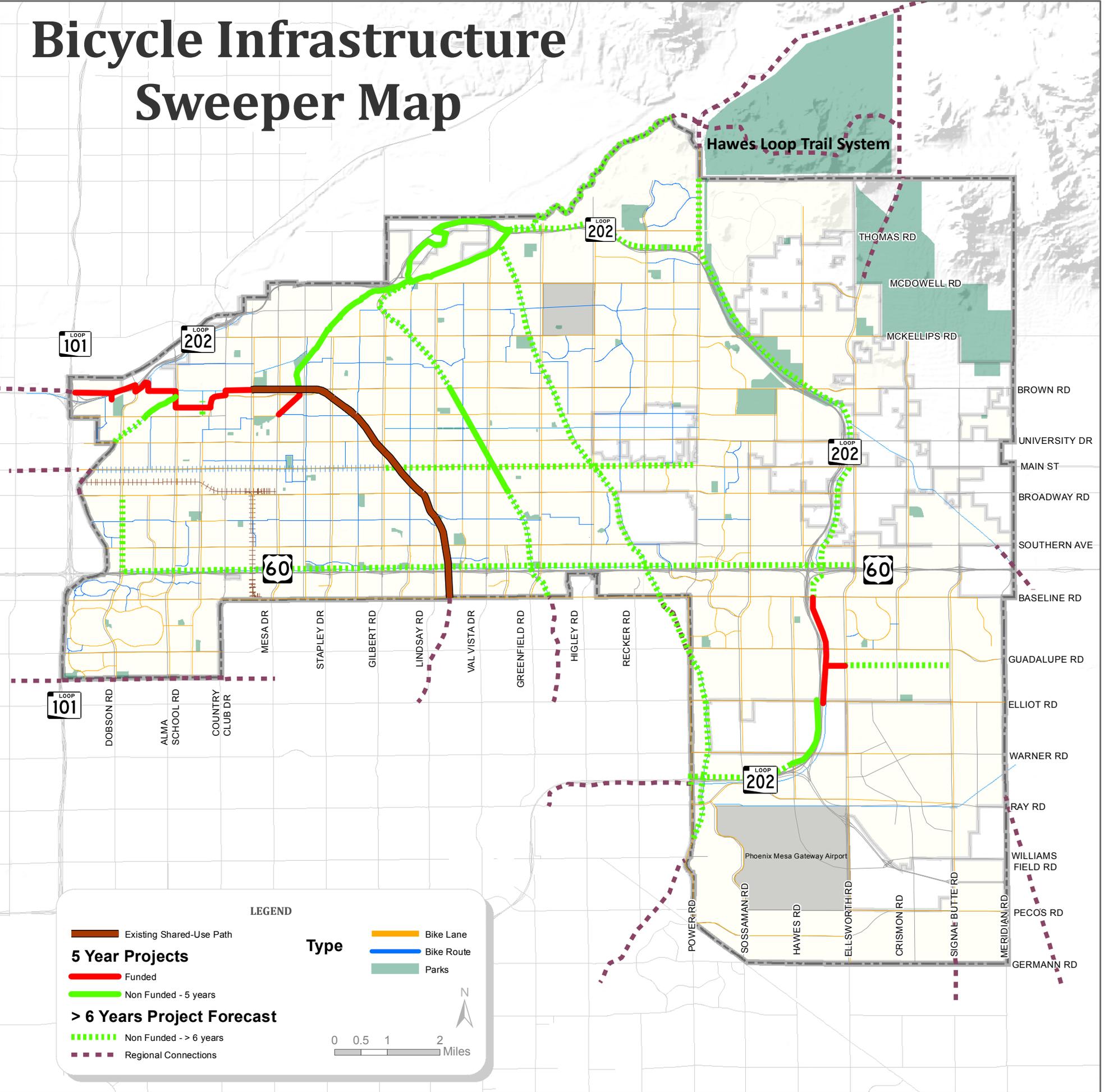
9/17/15

Bicycle Infrastructure Sweeper Map



Downtown Mesa Sweeping Areas

Eastmark Sweeping Areas



BROWN RD
UNIVERSITY DR
MAIN ST
BROADWAY RD
SOUTHERN AVE
BASELINE RD
GUADALUPE RD
ELLIOT RD
WARNER RD
RAY RD
WILLIAMS FIELD RD
PECOS RD
GERMANN RD

DOBSON RD
ALMA SCHOOL RD
COUNTRY CLUB DR

MESA DR
STAPLEY DR
GILBERT RD
LINDSAY RD
VAL VISTA DR
GREENFIELD RD
HIGLEY RD
RECKER RD

POWER RD
SOSSAMAN RD
HAWES RD
ELLSWORTH RD
CRISMON RD
SIGNAL BUTTE RD
MERIDIAN RD

Hawes Loop Trail System

THOMAS RD
MCDOWELL RD
MCKELLIPS RD

LOOP 101

LOOP 202

LOOP 202

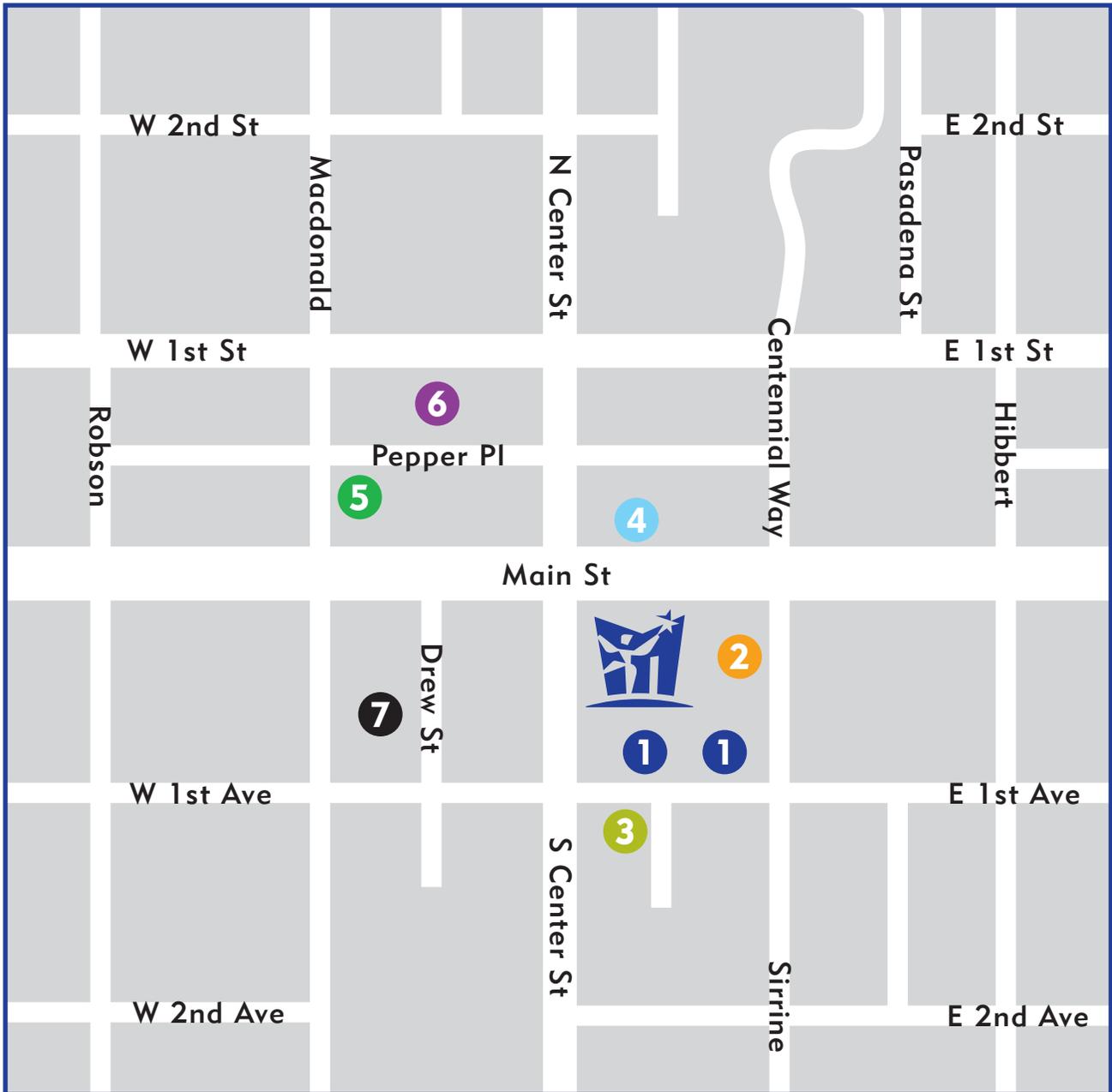
LOOP 202

60

LOOP 101

LOOP 202

Parking Map



LEGEND

- 1** Mesa Arts Center Lot – 1st Avenue between Center St & Serrine St \$
- 2** Serrine Street Garage – 30 S. Serrine St \$
- 3** First United Methodist Lot – 15 E. 1st Ave \$
- 4** Mesa City Plaza – Lot 20 E. Main (Weeknights & Fri-Sun only)
- 5** Macdonald Lot – SE Corner of Macdonald & Pepper Pl
- 6** Arizona Museum of Natural History Lot – 59 N. Macdonald
- 7** Drew Lot – 38 S. Drew St

Site 11 - Mesa Arts Center/Sirrine Garage 30 South Sirrine

- The parking garage has a total surface area of approximately 37,000 ft²



Site 12 - Mesa Convention Center Parking Lots 201 North Center Street

- North lot has a total surface area of approximately 71,000 ft²
- South lot has a total surface area of approximately 68,000 ft²



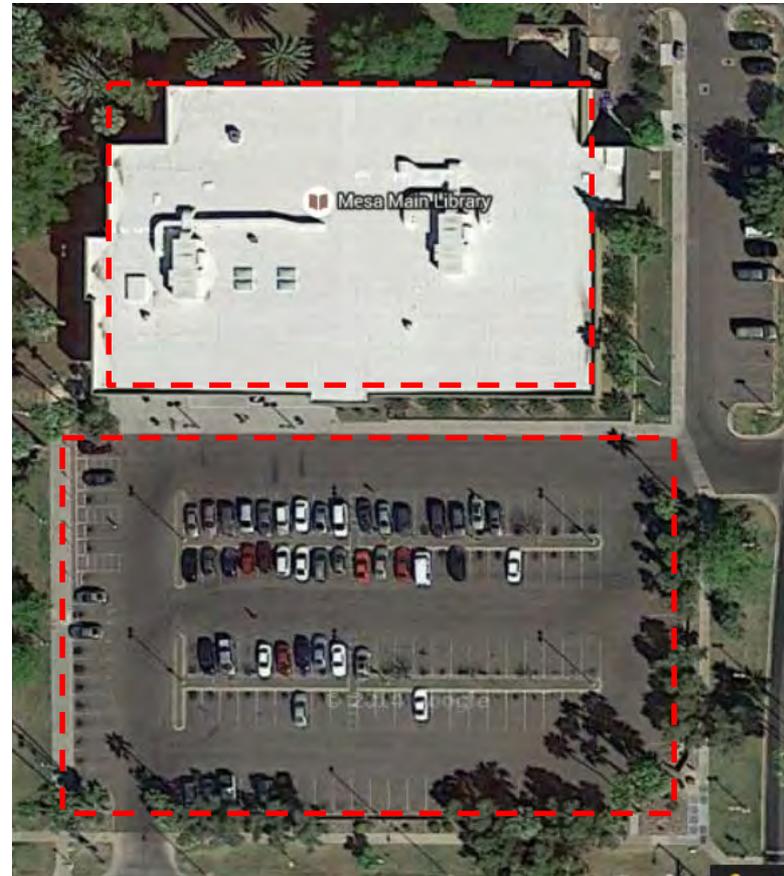
Site 13 - South Pomeroy Parking Garage 34 South Pomeroy

- Parking garage has a total surface area of approximately 65,100 ft² .



Site 16 - Main Library Roof and Parking Lot 64 East 1st Street

- The parking lot has a total surface area of approximately 53,000 ft².



Site 19 - Pepper Place Street Garage 30 West Pepper Place

- The parking garage has a total surface area of approximately 50,300 ft²



Supporting documentation and details listing

Miles for sweeping - 20 days between cycles

Residential	Collector	Arterial	Other	Notes
11	10	0	0	Eastmark
0	0	0	26	Parking lots and garages
14	0	0	0	Dead ends
0	0	2	0	Separated bike lanes
0	0	1.6	0	Fiesta District Streetscape & Ped Paths
0	0	12	0	Light Rail Corridor
25	10	15.6	26	TOTAL

Breakdown:

Eastmark = 21 miles, 10 collector , 11 residential.

Parking Lots and Garages = 26 Mile, 26 other

Dead ends = 14 miles, 14 residential

Separated Bike Lanes = 2 Miles, 2 arterial

Fiesta District Streetscape Separated Bike and Pedestrian Paths = 1.6 Miles, Southern 1.6 arterial

Light Rail Corridor = 12 Miles, 12 arterial

Traffic Counts

Southern: West limits to Dobson
Eastmark

2014

26016 City of Mesa 2015 map

1650 <http://mesaaz.gov/about-us/city-projects/eastmark-mesa-proving-grounds>

Parking details

Name	ft^2
Mesa Art Center/Sirrine garage	37000
Mesa Convention Center Parking Lots	
North	71000
South	68000
Pomeroy Parking garage	65100
Main Library Parking lot	53000
Pepper Place Street Garage	50300

Lane miles to be swept per cycle
For pkg 344400
5.43560606 # sft in 1 mile of rdwy

QUOTE/ORDER-Model Sentinel

Ed Crabtree
 CITY OF MESA
 300 E 6TH ST
 MESA, 85201-5107, Arizona



Rick Kazmer
 Tennant Sales and Service Company
 701 North Lilac Drive
 Minneapolis, MN 55440-1452
 800-553-8033

Quote Date :

9/16/2015

BUILT-IN "TENNANT VALUE" INCLUDES:

- | | |
|---|---------------------------------|
| 99 hp (74kW) Turbocharged Caterpillar Diesel Engine | AQMD Rule 1186 Certification |
| Sealed oil dipstick | Pressurized cabin |
| Dual stage air cleaner | Filtered air (3 microns) |
| Leaf-spring suspension system | Total view glass cab doors |
| Oil bath power disc service brakes | Sliding glass windows |
| 4 Wheel power steering | Premium suspension seat |
| Hydraulic towing bypass valve and hooks | Seat belts |
| 3.4 yd ³ (2600 L) Stainless steel hopper | Heater/defroster |
| High-speed debris transport system | Keyed door locks |
| Hopper movement warning alarm | Slow moving vehicle sign |
| Thermo-Sentry™ | Audio backup alarm |
| Easy-reach controls | Backup lights |
| One-button sweeping | Dual headlights/taillights |
| Turbo assist vacuum system | Polypropylene main brush |
| Premium carbide inserted skids | Polypropylene & wire side brush |
| Synthetic Filter with Shaker System | Pneumatic-Bias Ply Tires |
| Automatic Hydraulic Self-Tensioning System | |

TENNANT COMPANY WARRANTY
2 YEARS OR 2400 HOURS - PARTS
6 MONTHS - LABOR
6 MONTHS - TRAVEL

CUSTOM options may add 1 week or more to standard lead times.



"Shown with optional accessories"

Quote Request Information

<input type="checkbox"/>	Fax (quote only)
<input type="checkbox"/>	Mail (quote, lit, specs)
<input type="checkbox"/>	Fax + Mail

Primary Use

<input type="checkbox"/>	Inside
<input type="checkbox"/>	Outside

Description	Reference #	Price Each	Qty	Extended Price
Base Configuration				
Cleaning Type				
Sentinel DIESEL (Wet and Dry Sidebrush Dust Control)	SENTINEL-W/D	\$144,263.00	1	\$ 144,263.00
Steering				
Right Side of Cab (ONLY)	Standard		N/C	N/C
Cleaning Performance				
Reference Number				
Side and Vario Brush for RH Steering:				
RH Side Brush Assembly (Note 3)	Standard		N/C	N/C
Dual Side Brush Assembly (Wet Dust Control) (Note 3)	9000035	\$3,597.00	1	\$ 3,597.00
Vario Sweeping Brush Assembly (Wet Dust Control) (Note 4)	9000036	\$14,659.00	1	\$ 14,659.00
(NOTE: All of the above Optional Brush Assemblies come with a brush.)				
Multi-Level High Dump (9 ft 6 in / 2.9m) with Overload Indicator	9000064	\$11,240.00	1	\$ 11,240.00
Hydrant Water Tank Fill (Note 2)	9000085	\$408.00	1	\$ 408.00
Machine Protection & Safety				
Reference Number				
Cab Tilt, Hydraulic Lift Assist	9000057	\$1,068.00	1	\$ 1,068.00
Air Conditioning	9000033	\$3,242.00	1	\$ 3,242.00
Passenger Seat	9000089	\$492.00	1	\$ 492.00
Tires, Foam-Filled - Radial in lieu of Std (Note 4)	9000080	\$1,632.00	1	\$ 1,632.00
Radio/CD/Weather Band	9000082	\$837.00	1	\$ 837.00
Strobe Light -Dual with Guards (Note 5)	770163	\$744.00	1	\$ 744.00
Arrow Stick Sign Board -Halogen (Note 6)	770164 or 770165	\$1,956.00	1	\$ 1,956.00
Work Lights: Halogen (Note 7)	9000084	\$482.00	1	\$ 482.00
Engine Access Step Kit	9000081	\$262.00	1	\$ 262.00
High Ambient Hydraulic Oil (Note 8)	9000126	\$123.00	1	\$ 123.00
Protectoseal Gas Cap	9000077	\$346.00	1	\$ 346.00
Fire Extinguisher	9000075	\$199.00	1	\$ 199.00

QUOTE/ORDER-Model Sentinel

Brushes (Note 9)	Reference Number	Price		
Main Sweeping				
Polypropylene Brush	761126	N/C	1	N/C
Side Sweeping				
Polypropylene and Wire Brush	761211	N/C	2	N/C
Vario Sweeping Brush				
Polypropylene and Wire Brush	761372	N/C	1	N/C
Support	Reference Number	Price		
Standard Warranty		N/C	1	N/C
Ultimate Performance Guarantee	75806	N/C	1	N/C
Operator Manual (English)	331000	N/C	1	N/C
Operator DVD (English, Spanish, French) Verify Languages	1041886	N/C	1	N/C
Service Manual CD	331005	\$70.00	1	\$ 70.00
Custom Solutions (Note 10)		Price		
Hinged Side Brush Cover	Dual 325879 & 325878	\$1,643.00	1	\$ 1,643.00
LED Turn Signals	325751	\$828.00	1	\$ 828.00
LED Headlights	325754	\$1,981.00	1	\$ 1,981.00
	Machine Subtotal	\$ 190,072.00		
Prepaid and Add	Freight	\$ 5,972.52	1	\$ 5,972.52
Subject to all applicable taxes 8.05%	Tax	\$ 15,300.79	1	\$ 15,300.79
	MACHINE TOTAL*			\$ 211,345.31

FRT

Financing

Is customer interested in financing?

If not, why?

Leasing Calculation Option:	Option 1	Option 2
Purchase Option:	\$1.00	FMV Sweeper
24 Months		
36 Months		
48 Months		
60 Months		

Rates 2015 - I
 "Blank Payme
 Applicable Or
 "Quoted mont
 Actual monthly
 "Financing rat

TennantTrue

Is customer interested in service program?

Term: AB Brushes

Monthly machine usage (hrs):

TennantTrue:	Rate Per Unit	Hourly Labor Rate	Site Visit Charge
Gold - Monthly	\$910.00		
Gold - Pre Pay Full Term	\$30,467.00		
Silver - Monthly	\$191.00		
Silver - Annually	\$2,240.00		
Silver - Pre Pay Full Term	\$6,579.00		
Silver - Per Visit	\$900.00		
Pay As You Go			
On Demand			

Quote Special Instructions:

Terms and Conditions

Ask your local sales rep for estimated lead times. Verify when placing order
 All orders subject to acceptance by Tennant Sales and Service Company, Minneapolis, Minnesota
 Prices subject to change without notice.
 Terms: Net 30 days. Subject to any applicable taxes.
 Freight: Machines and accessory orders delivered FOB shipping point Frt PPD & Add
 Parts, supplies, detergents and floor treating material orders delivered FOB
 shipping point Frt PPD
 Tennant handles all loss and damage claims on behalf of customers.
 All orders are subject to Tennant's General Terms and Conditions available at <http://www.tennantco.com/terms>.
 Printed General Terms and Conditions are also available upon request.

QUOTE/ORDER-Model Sentinel

Quote Date :

9/16/2015

Order Placement Information: To place your order, fill in PO# and customer signatures, call or fax to the numbers listed below. Customer Purchase Order is required. If information is missing, orders will be entered and held until all information is received.

Customer Number

0004132703

Cust Grp 3

Sold To Information (Please Verify)

**Company
Address
Name
Phone**

[Empty box for Sold To Information]

Ship To Information (Please Verify)

**Company
Address
Name
Phone**

[Empty box for Ship To Information]

Shipping/Carrier Instructions:

[Empty box for Shipping/Carrier Instructions]

Order Special Instructions:

[Empty box for Order Special Instructions]

Customer Purchase Order No.

(please attach copy)

[Empty box for Customer Purchase Order No.]

Tax Exempt

Yes
No

If Yes, attach a copy of your exemption certificate.

Requested Delivery Date

[Empty box for Requested Delivery Date]

[Empty box for Authorized Buyer]

Authorized Buyer (please print)

[Empty box for Phone Number]

Phone Number

[Empty box for Authorized Buyer Signature]

Authorized Buyer Signature

[Empty box for Tennant Representative]

Tennant Representative

Specialized Maintenance Equipment

TENNANT · 701 NORTH LILAC DRIVE · P.O. BOX 1452 · MINNEAPOLIS, MN 55440-1452 ·

PHONE:800-553-8033 · FAX:763-513-2116

Cost breakdown - quote dated 9/16/15

Street Sweeper	Eligible	Optional
Standard Unit	\$ 144,263.00	
Cleaning Performance		\$ 29,904.00
Cab Tilt	\$ 1,068.00	
Air Conditioning	\$ 3,242.00	
Passenger Seat	\$ 492.00	
Tires	\$ 1,632.00	
Radio		\$ 837.00
Strobe light	\$ 744.00	
Arrow Sign Board	\$ 1,956.00	
Work lights	\$ 482.00	
Engine access Step kit	\$ 262.00	
High Ambient Hydraulic Oil	\$ 123.00	
Protectoseal Gas Cap	\$ 346.00	
Fire Extinguisher	\$ 199.00	
Support - Service Manual CD	\$ 70.00	
Hinged Side Brush Cover		\$ 1,643.00
LED Turn Signals	\$ 828.00	
LED Headlights	\$ 1,981.00	
Subtotals	\$ 157,688.00	\$ 32,384.00
Sum of subtotals	\$	190,072.00
Net Freight	\$ 5,972.52	
Subtotal	\$ 163,660.52	\$ 32,384.00
Taxes 8.05%	\$ 13,174.67	\$ 2,126.12
TOTAL	\$ 176,835.19	\$ 34,510.12

Total Cost of Sweeper \$ 211,345.31

ATTACHMENT 1



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4182
(909) 396-2000 • www.aqmd.gov

CERTIFIED STREET SWEEPERS UNDER SCAQMD RULE 1186

(AS OF APRIL 22, 2015^{*})

SCAQMD Rule 1186 requires local governments within the South Coast Air Quality Management District (see Figure below) to procure certified street sweepers for new equipment purchases or new street sweeping contracts made after January 1, 2000 (there are no retrofit requirements under Rule 1186).

Various SCAQMD regulations also require procurement of certified street sweepers to implement specific rule requirements. This list of equipment is updated periodically based on certifications test results and in response to new information.

The SCAQMD Governing Board adopted Rule 1186 street sweeper testing and certification procedures in September of 1999. Enclosed is a list of equipment that has met the Rule 1186 certification standards. (The equipment may either be new or upgraded to meet certification specifications). Questions on equipment capabilities and options should be directed to your local distributor and/or the manufacturer. Questions regarding the Rule requirements can be directed to Mike Laybourn, Air Quality Specialist, at (909) 396-3066 or mLAYBOURN@AQMD.GOV.



Cleaning the air that we breathe...

^{*} Additional sweepers may be certified based on future tests. You can call 1 (800) CUT-SMOG or visit www.aqmd.gov for the most recent list of Rule 1186 certified equipment.

ATTACHMENT 1

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD)
 RULE 1186 CERTIFIED[^] STREET SWEEPERS AS OF APRIL 22, 2015**



THE FOLLOWING IS A LIST OF STREET SWEEPING EQUIPMENT THAT HAS CURRENTLY BEEN CERTIFIED FOR SCAQMD RULE 1186. ALL CERTIFIED EQUIPMENT MUST BE OPERATED AND MAINTAINED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. FUTURE TESTING MAY QUALIFY ADDITIONAL EQUIPMENT. CALL 1 (800) CUT-SMOG FOR THE CURRENT LIST.

MAKE [^]	MODEL [^]	DUST CONTROL SYSTEMS [^]
CHALLENGER MANUFACTURING	CHALLENGER	<ul style="list-style-type: none"> • THREE (3) 0.03 INCH DIAMETER ORIFICE NOZZLES LOCATED AT EACH SIDE BROOM • FOUR (4) 0.03 INCH DIAMETER ORIFICE NOZZLES CENTRALLY LOCATED BETWEEN THE MAIN BROOM AND THE CONVEYOR • WATER PUMP TO PROVIDE 25 POUNDS PER SQUARE INCH WATER PRESSURE DURING OPERATION; MAXIMUM OF 45 POUNDS PER SQUARE INCH
ELGIN	AIR CUB (LX/DX) CROSSWIND FURY	<ul style="list-style-type: none"> • DIAMOND GRID DUST SEPARATION SCREEN • LOUVERED CENTRIFUGAL DUST SEPARATOR • ONE (1) 0.06 INCH DIAMETER ORIFICE NOZZLE CENTRALLY LOCATED ABOVE FAN INLET IN THE HOPPER • TWO (2) 0.047 INCH DIAMETER ORIFICE NOZZLES LOCATED INSIDE THE SUCTION TUBE • FOUR (4) 0.051 INCH DIAMETER ORIFICE NOZZLES LOCATED AT EACH SIDE BROOM • PUMP TO PROVIDE 40 POUNDS PER SQUARE INCH WATER PRESSURE
ELGIN	CROSSWIND J	<ul style="list-style-type: none"> • DIAMOND GRID DUST SEPARATION SCREEN • S-TRAP CENTRIFUGAL SEPARATOR • FOUR (4) 0.06 INCH DIAMETER ORIFICE NOZZLES LOCATED INSIDE HOPPER • THREE (3) 0.059 INCH DIAMETER ORIFICE NOZZLES LOCATED INSIDE SUCTION TUBE • THREE (3) 0.057 INCH DIAMETER ORIFICE NOZZLES LOCATED AT EACH SIDE BROOM • WATER PUMP TO PROVIDE 80 POUNDS PER SQUARE INCH WATER PRESSURE

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ATTACHMENT 1

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD)
 RULE 1186 CERTIFIED* STREET SWEEPERS AS OF APRIL 22, 2015**



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MAKE*	MODEL*	DUST CONTROL SYSTEMS*
ELGIN	PELICAN P & S PELICAN SE (WET SUPPRESSION)	<ul style="list-style-type: none"> • FOUR (4) 0.06 INCH DIAMETER ORIFICE NOZZLES CENTRALLY LOCATED BETWEEN THE MAIN BROOM AND THE CONVEYOR • TWO (2) 0.057 INCH DIAMETER ORIFICE NOZZLES LOCATED AT EACH GUTTER BROOM • WATER PUMP TO PROVIDE 80 POUNDS PER SQUARE INCH WATER PRESSURE
ELGIN	PELICAN P (WATERLESS SUPPRESSION)	<ul style="list-style-type: none"> • GUTTER/MAIN BROOM FULLY ENCLOSED SHROUD SYSTEM • TWO CENTRIFUGAL DUST EVACUATION FANS • SYNTHETIC MULTI-POCKET FILTER WITH HYDRAULIC SHAKER FOR DUST REMOVAL
ELGIN	PELICAN P (COMBINATION)	<ul style="list-style-type: none"> • ALL OF THE FEATURES OF THE WET AND WATERLESS SUPPRESSION PELICAN P STREET SWEEPER WITH THE EQUIPMENT OPERATED IN EITHER THE WET OR WATERLESS MODE
ELGIN	EAGLE E EAGLE F EAGLE (CNG) BROOM BEAR ROAD WIZARD	<ul style="list-style-type: none"> • FOUR (4) 0.06 INCH DIAMETER ORIFICE NOZZLES CENTRALLY LOCATED BETWEEN THE MAIN BROOM AND THE CONVEYOR • THREE (3) 0.057 INCH DIAMETER ORIFICE NOZZLES LOCATED AT EACH GUTTER BROOM • WATER PUMP TO PROVIDE 80 POUNDS PER SQUARE INCH WATER PRESSURE
ELGIN	EAGLE F (WATERLESS)	<ul style="list-style-type: none"> • GUTTER/MAIN BROOM FULLY ENCLOSED SHROUD SYSTEM • CENTRIFUGAL DUST EVACUATION FAN • SYNTHETIC MULTI-POCKET FILTER WITH HYDRAULIC SHAKER FOR DUST CONTROL
ELGIN	EAGLE F (COMBINATION)	<ul style="list-style-type: none"> • ALL OF THE FEATURES OF THE WET AND WATERLESS EAGLE F STREET SWEEPER WITH THE EQUIPMENT OPERATED IN EITHER THE WET OR WATERLESS MODE

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MAKE [*]	MODEL [*]	DUST CONTROL SYSTEMS [*]
ELGIN	GEOVAC	<ul style="list-style-type: none"> • DIAMOND GRID DUST SEPARATION SCREEN • FOUR (4) 0.06 INCH DIAMETER ORIFICE NOZZLES CENTRALLY LOCATED IN THE HOPPER • TWO (2) 0.059 INCH DIAMETER ORIFICE NOZZLES LOCATED INSIDE THE SUCTION TUBE • TWO (2) 0.057 INCH DIAMETER ORIFICE NOZZLES LOCATED AT EACH SIDE BROOM • FOUR (4) 0.06 INCH DIAMETER ORIFICE NOZZLES LOCATED AT THE EXTENSION BROOM • WATER PUMP TO PROVIDE 80 POUNDS PER SQUARE INCH WATER PRESSURE
ELGIN	WHIRLWIND MV	<ul style="list-style-type: none"> • DIAMOND GRID DUST SEPARATION SCREEN • FOUR (4) 0.06 INCH DIAMETER ORIFICE NOZZLES CENTRALLY LOCATED IN THE HOPPER • TWO (2) 0.059 INCH DIAMETER ORIFICE NOZZLES LOCATED INSIDE THE SUCTION TUBE • TWO (2) 0.057 INCH DIAMETER ORIFICE NOZZLES LOCATED AT EACH SIDE BROOM • FOUR (4) 0.60 INCH DIAMETER ORIFICE NOZZLES LOCATED AT THE EXTENSION BROOM • PUMP TO PROVIDE 80 POUNDS PER SQUARE INCH WATER PRESSURE
JOHNSTON	310	<ul style="list-style-type: none"> • FOUR (4) 0.072 INCH DIAMETER ORIFICE NOZZLES LOCATED IN FRONT SPRAY BAR • TWO (2) 0.072 INCH DIAMETER ORIFICE NOZZLES PER EACH GUTTER BROOM • ONE (1) 0.026 INCH DIAMETER ORIFICE NOZZLE LOCATED IN THE FAN SUCTION HOOD • WATER PUMP TO PROVIDE 50 POUNDS PER SQUARE INCH WATER PRESSURE

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MAKE [*]	MODEL [*]	DUST CONTROL SYSTEMS [*]
JOHNSTON	3000 MX450 4000 4000 SDS MST 350	<ul style="list-style-type: none"> • ENCLOSED ELEVATOR SYSTEM • STEEL OR MIXED POLYESTER MAIN PICK UP BROOM • ONE (1) 0.072 INCH DIAMETER ORIFICE NOZZLE PER EACH GUTTER BROOM • TWO (2) 0.036 INCH DIAMETER ORIFICE NOZZLES PER EACH SIDE OF THE MAIN PICK UP BROOM • THREE (3) 0.057 INCH DIAMETER ORIFICE NOZZLES IN SPRAY BAR LOCATED BEHIND THE MAIN PICK UP BROOM • TWO (2) 0.036 INCH DIAMETER ORIFICE NOZZLES IN SPRAY BAR LOCATED UNDERNEATH THE CAB • WATER PUMP TO PROVIDE 40 POUNDS PER SQUARE INCH WATER PRESSURE
JOHNSTON	VT605 VT610 VT605 VT650 V501 V651 V801	<ul style="list-style-type: none"> • TWO (2) 0.039 INCH DIAMETER ORIFICE NOZZLES PER GUTTER BROOM • THREE (3) 0.042 INCH DIAMETER ORIFICE NOZZLES PER SUCTION BROOM • THREE (3) 0.039 INCH DIAMETER ORIFICE NOZZLES PER SUCTION NOZZLE • MULTI-POSITION SUCTION NOZZLE TWO ARM FACILITY • ONE (1) 0.042 INCH DIAMETER ORIFICE NOZZLE FOR THE IMPELLER FAN • WATER PUMP TO PROVIDE 50 POUNDS PER SQUARE INCH WATER PRESSURE

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MAKE [^]	MODEL [^]	DUST CONTROL SYSTEMS [^]
JOHNSTON	770 CYCLONE	<ul style="list-style-type: none"> • THREE (3) 0.067 INCH DIAMETER ORIFICE NOZZLES FOR GUTTER BROOMS • TWO (2) 0.07 INCH DIAMETER ORIFICE NOZZLES FOR CENTER CURTAIN • FOUR (4) 0.055 INCH DIAMETER ORIFICE NOZZLES FOR FRONT BUMPER • TWO (2) 0.067 INCH DIAMETER ORIFICE NOZZLES FOR FRONT CURB SPRAY • TWO (2) 0.07 INCH DIAMETER ORIFICE NOZZLES ON LEFT AND RIGHT SIDE OF PICK UP HEAD • THREE (3) 0.082 INCH DIAMETER ORIFICE NOZZLES FOR PICK UP HEAD FRONT SIDE • SEVEN (7) 0.079 INCH DIAMETER ORIFICE NOZZLES FOR PICK UP HEAD REAR SIDE • THREE (3) 0.079 INCH DIAMETER ORIFICE NOZZLES FOR WINDROW PATH • TWO (2) 0.045 INCH DIAMETER ORIFICE NOZZLES FOR PICK UP HEAD SUCTION • ONE (1) 0.079 INCH DIAMETER ORIFICE NOZZLE FOR BLOWER FAN OUTLET • PUMP TO PROVIDE 50 POUNDS PER SQUARE INCH WATER PRESSURE
NESCON	X-BROOM	<ul style="list-style-type: none"> • THREE (3) 0.079 INCH DIAMETER ORIFICE NOZZLES LOCATED AT EACH SIDE BROOM • FIVE (5) 0.079 INCH DIAMETER ORIFICE NOZZLES ACROSS FRONT BUMPER • FIVE (5) 0.050 INCH DIAMETER ORIFICE NOZZLES IN MAIN BROOM HOUSING • WATER PUMP TO PROVIDE 50 POUNDS PER SQUARE INCH WATER PRESSURE

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MAKE*	MODEL*	DUST CONTROL SYSTEMS*
SCHWARZE	EV-1	<ul style="list-style-type: none"> • TWELVE (12) POLYESTER DRY FILTER CARTRIDGES (MAINTAINED TO ENSURE PROPER INTEGRITY) • FILTRATION CLEANED THREE TIMES PER MINUTE • FILTRATION SYSTEM ACTIVE AT ALL TIMES
SCHWARZE	EV-2	<ul style="list-style-type: none"> • EIGHT (8) POLYESTER DRY FILTER CARTRIDGES (MAINTAINED TO ENSURE PROPER INTEGRITY) • FILTRATION SYSTEM OPERATED AT ALL TIMES • EACH FILTER CLEANED THREE TIMES PER MINUTE
SCHWARZE	DXR	<ul style="list-style-type: none"> • POLYESTER DRY FILTER CARTRIDGES (MAINTAINED TO ENSURE PROPER INTEGRITY) • FILTRATION SYSTEM ACTIVE AT ALL TIMES • FILTRATION CLEANED FOUR TIMES PER MINUTE AND A HALF
SCHWARZE	A4000/ A4STORM	<ul style="list-style-type: none"> • FOUR (4) 0.036 INCH DIAMETER ORIFICE NOZZLES LOCATED ON THE SWEEPING HEAD • TWO (2) 0.036 INCH DIAMETER ORIFICE NOZZLES INSIDE HOPPER • TWO (2) 0.036 INCH DIAMETER ORIFICE NOZZLES FOR EACH GUTTER BROOM • FOUR (4) 0.036 INCH DIAMETER ORIFICE NOZZLES INSIDE HOPPER ON SPRAY BAR • WATER PUMP TO PROVIDE 70 POUNDS PER SQUARE INCH WATER PRESSURE
SCHWARZE	M5000/M6000/ M6 AVALANCHE	<ul style="list-style-type: none"> • FIVE (5) 0.036 INCH DIAMETER ORIFICE NOZZLES ON MAIN BROOM • THREE (3) 0.036 INCH DIAMETER ORIFICE NOZZLES FOR EACH GUTTER BROOM • WATER PUMP TO PROVIDE 70 POUNDS PER SQUARE INCH WATER PRESSURE

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MAKE*	MODEL*	DUST CONTROL SYSTEMS*
SCHWARZE	A 7000/ A7 TORNADO A7 ZEPHYR A 8000/ A8 TWISTER A 9000/ A9 MONSOON	<ul style="list-style-type: none"> • SAWTOOTH DUST SEPARATION SCREEN, SELF DUMPING DUST SEPARATOR, FAN CENTRIFUGE • FIVE (5) 0.036 INCH DIAMETER ORIFICE NOZZLES LOCATED ON THE SWEEPING HEAD • TWO (2) 0.036 INCH DIAMETER ORIFICE NOZZLES LOCATED ON HEAD INTAKE TUBE • TWO (2) 0.036 INCH DIAMETER ORIFICE NOZZLES IN RIGHT HAND GUTTER BROOM • FOUR (4) 0.036 INCH DIAMETER ORIFICE NOZZLES LOCATED ON HOPPER SPRAY BAR • WATER PUMP TO PROVIDE 70 POUNDS PER SQUARE INCH WATER PRESSURE • TWO (2) 0.036 INCH DIAMETER ORIFICE NOZZLES IN LEFT HAND GUTTER BROOM (REQUIRED IF BOTH GUTTER BROOMS ARE USED)
SCHWARZE	S348-I/ SUPERVAC VORTEX S348-LE/ SUPERVAC GALE FORCE	<ul style="list-style-type: none"> • FOUR (4) 0.036 INCH DIAMETER ORIFICE NOZZLES ON HOPPER SPRAY BAR • TWO (2) 0.036 INCH DIAMETER ORIFICE NOZZLES IN HOPPER • TWO (2) 0.036 INCH DIAMETER ORIFICE NOZZLES ON RIGHT HAND GUTTER BROOM • WATER PUMP TO PROVIDE 70 POUNDS PER SQUARE INCH WATER PRESSURE
STEWART-AMOS	STARFIRE S-4, S-5, AND S-6	<ul style="list-style-type: none"> • FOUR (4) 0.05 INCH DIAMETER ORIFICE NOZZLES CENTRALLY LOCATED BETWEEN THE MAIN BROOM AND THE ELEVATOR • FOUR (4) 0.05 INCH DIAMETER ORIFICE NOZZLES LOCATED BENEATH THE FRONT BUMPER OF THE CHASSIS • TWO (2) 0.05 INCH DIAMETER ORIFICE NOZZLES LOCATED IN FRONT OF EACH GUTTER BROOM • WATER PUMP TO PROVIDE 40 POUNDS PER SQUARE INCH WATER PRESSURE

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MAKE*	MODEL*	DUST CONTROL SYSTEMS*
PYTHON	S2000	<ul style="list-style-type: none"> • FOUR (4) 0.008 INCH DIAMETER ORIFICE NOZZLES MOUNTED ABOVE AND AHEAD OF A 36 INCH FILL DIAMETER REAR BROOM • WATER LINE WITH 0.02 INCH DIAMETER ORIFICE AND THREE (3) 0.06 DIAMETER OUTLETS ABOVE EACH 42 INCH DIAMETER GUTTER BROOM • PUMP TO PROVIDE 24 POUNDS PER SQUARE INCH WATER PRESSURE DURING OPERATION <p><i>PLEASE NOTE THAT THE GUTTER AND REAR BROOM SIZES ARE DIFFERENT THAN THE STANDARD MODEL</i></p>
PYTHON	S3000	<ul style="list-style-type: none"> • FOUR (4) 0.008 INCH DIAMETER ORIFICE NOZZLES MOUNTED ABOVE AND AHEAD OF REAR BROOM • WATER LINE WITH 0.02 INCH DIAMETER ORIFICE AND THREE (3) 0.06 DIAMETER OUTLETS ABOVE EACH GUTTER BROOM • PUMP TO PROVIDE 24 POUNDS PER SQUARE INCH WATER PRESSURE DURING OPERATION

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MAKE*	MODEL*	DUST CONTROL SYSTEMS*
TENNANT	SENTINEL	<ul style="list-style-type: none"> • GUTTER/MAIN BROOM FULLY ENCLOSED SHROUD SYSTEM • DUAL FAN VACUUM SYSTEM (OPERATED AT ALL TIMES) • SYNTHETIC-SINGED POLYESTER FILTER (MAINTAINED TO ENSURE PROPER INTEGRITY)
TENNANT	830 I/ 830 II	<ul style="list-style-type: none"> • GUTTER/MAIN BROOM FULLY ENCLOSED SHROUD SYSTEM • DUAL FAN VACUUM SYSTEM (OPERATED AT ALL TIMES) • SYNTHETIC-SINGED POLYESTER FILTER (MAINTAINED TO ENSURE PROPER INTEGRITY)
TYMCO	210 300 350 435	<ul style="list-style-type: none"> • CYCLONIC, MULTIPASS, CENTRIFUGAL SEPARATION • CENTER DEBRIS DEFLECTOR ASSEMBLY PERPENDICULAR TO THE PICK UP HEAD • TWO (2) 0.043 INCH DIAMETER ORIFICE NOZZLES FOR EACH GUTTER BROOM • ONE (1) 0.063 INCH DIAMETER ORIFICE NOZZLE FOR EACH GUTTER BROOM • ONE (1) 0.063 INCH DIAMETER ORIFICE NOZZLE LOCATED IN THE HOPPER • ONE (1) 0.063 INCH DIAMETER ORIFICE NOZZLE LOCATED IN BLOWER HOUSING • WATER PUMP WITH A MINIMUM SYSTEM RELIEF VALVE SET AT 25 POUNDS PER SQUARE INCH.

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MAKE*	MODEL*	DUST CONTROL SYSTEMS*
TYMCO	600 600 BAH FHD 500X	<ul style="list-style-type: none"> • CYCLONIC, MULTIPASS, CENTRIFUGAL SEPARATION • CENTER DEBRIS DEFLECTOR ASSEMBLY PERPENDICULAR TO THE PICK UP HEAD • FRONT DEBRIS DEFLECTOR CURTAIN ASSEMBLY PARALLEL TO THE PICK UP HEAD • LOW EMISSION DUST GUARDS (ONLY APPLICABLE TO CABOVER TRUCKS) • THREE (3) 0.063 INCH DIAMETER ORIFICE NOZZLES FOR EACH GUTTER BROOM • TWO (2) 0.043 INCH DIAMETER ORIFICE NOZZLES FOR EACH GUTTER BROOM • ONE (1) 0.093 INCH DIAMETER ORIFICE NOZZLE LOCATED IN THE HOPPER • ONE (1) 0.093 INCH DIAMETER ORIFICE NOZZLE LOCATED IN BLOWER HOUSING • TWO (2) [MINIMUM] HOPPER BAFFLE CURTAINS • WATER PUMP WITH A MINIMUM SYSTEM RELIEF VALVE SET AT 25 POUNDS PER SQUARE INCH.
TYMCO	DST - 4	<ul style="list-style-type: none"> • CYCLONIC, MULTIPASS, CENTRIFUGAL SEPARATION • SELF CONTAINED MULTIPLE FILTRATION SYSTEM UTILIZING PTFE MEMBRANE FILTERS • TWO (2) 0.043 INCH DIAMETER ORIFICE NOZZLES FOR EACH 32 INCH DIAMETER GUTTER BROOM • ONE (1) 0.063 INCH DIAMETER ORIFICE NOZZLES FOR EACH 32 INCH DIAMETER GUTTER BROOM • ONE (1) 0.063 INCH DIAMETER ORIFICE NOZZLE LOCATED IN THE HOPPER • WATER PUMP WITH A MINIMUM SYSTEM RELIEF VALVE SET AT 25 POUNDS PER SQUARE INCH.

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MAKE*	MODEL*	DUST CONTROL SYSTEMS*
TYMCO	DST - 6	<ul style="list-style-type: none"> • CYCLONIC, MULTIPASS, CENTRIFUGAL SEPARATION • SELF CONTAINED MULTIPLE FILTRATION SYSTEM UTILIZING PTFE MEMBRANE FILTERS • THREE (3) 0.063 INCH DIAMETER ORIFICE NOZZLES FOR EACH GUTTER BROOM • TWO (2) 0.043 INCH DIAMETER ORIFICE NOZZLES FOR EACH GUTTER BROOM • ONE (1) 0.094 INCH DIAMETER ORIFICE NOZZLE LOCATED IN THE HOPPER • TWO (2) [MINIMUM] HOPPER BAFFLE CURTAINS • WATER PUMP WITH A MINIMUM SYSTEM RELIEF VALVE SET AT 25 POUNDS PER SQUARE INCH
VACALL	VS10/10D, VF10 VS13/13D, VF13 VS14/14D, VF14 VS16/16D, VF16 VS20/20D, VF20	<ul style="list-style-type: none"> • FOUR (4) 0.062 INCH DIAMETER ORIFICE NOZZLES LOCATED IN FRONT OF EACH 36 INCH GUTTER BROOM • FOUR (4) 0.062 INCH DIAMETER ORIFICE NOZZLES LOCATED IN FRONT OF THE TRANSFER BROOM • TEN (10) 0.125 INCH DIAMETER ORIFICE NOZZLES LOCATED INSIDE THE PICK UP HEAD • SIX (6) 0.181 INCH DIAMETER ORIFICE NOZZLES LOCATED INSIDE THE SCRUBBER COLLAR OF THE PICK UP HEAD • 48 INCH POWER VACUUM NOZZLE • MINIMUM 300 GALLON GRAVITY FEED WATER SUPPLY SYSTEM WITH WATER CONTINUOUSLY SUPPLIED TO ALL NOZZLES • LOW VELOCITY DUST COLLECTION AIR CHAMBER • MINIMUM OF SIX (6) EXPANDED METAL SCREENS

* In order to ensure compliance with Rule 1186 requirements, all certified equipment must be operated and maintained in accordance with the manufacturer's specifications. End users are responsible for ensuring that the dust control systems are in place for each certified sweeper. Note: The make and model of the sweeper must have the dust control system(s) specified above to be in compliance. (Standard or older models may not have all the systems). Please contact the manufacturer if you would like to ensure that your sweeper(s) are Rule 1186 compliant.

ATTACHMENT 1

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD)
 RULE 1186 CERTIFIED* STREET SWEEPERS AS OF APRIL 22, 2015**



THE FOLLOWING IS A LIST OF STREET SWEEPING EQUIPMENT THAT HAS CURRENTLY BEEN CERTIFIED FOR SCAQMD RULE 1186. ALL CERTIFIED EQUIPMENT MUST BE OPERATED AND MAINTAINED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. FUTURE TESTING MAY QUALIFY ADDITIONAL EQUIPMENT. CALL 1 (800) CUT-SMOG FOR THE CURRENT LIST.

MAKE*	MODEL*	DUST CONTROL SYSTEMS*
WAYNE SWEEPERS	CENTURION	<ul style="list-style-type: none"> • SEVEN (7) 0.0925 INCH DIAMETER ORIFICE NOZZLES ON SPRAY BAR UNDERNEATH THE CAB • TWO (2) 0.0925 INCH DIAMETER ORIFICE NOZZLES PER GUTTER BROOM • (GUTTER BROOMS CAN BE OPERATED WITHOUT WATER SPRAYS IF FULLY ENCLOSED SHROUD SYSTEM IS UTILIZED AND MAINTAINED PER THE MANUFACTURERS SPECIFICATIONS) • THREE (3) 0.0925 INCH DIAMETER ORIFICE NOZZLES ON SPRAY BAR ABOVE CONVEYOR • 300 GALLON WATER TANK • WATER PUMP TO PROVIDE MINIMUM OF SEVEN GALLONS PER MINUTE • SINGLE FAN VACUUM SYSTEM • GLAZED, POLYESTER FILTER SYSTEM (MAINTAINED TO ENSURE PROPER INTEGRITY)
WAYNE SWEEPERS	GLADIATOR	<ul style="list-style-type: none"> • THREE (3) 0.0925 INCH DIAMETER ORIFICE NOZZLES LOCATED AT EACH SIDE BROOM • SIX (6) 0.0925 INCH DIAMETER ORIFICE NOZZLES ACROSS FRONT BUMPER • FOUR (4) 0.0925 INCH DIAMETER ORIFICE NOZZLES AT THE REAR BROOM • WATER PUMP TO PROVIDE 60 POUNDS PER SQUARE INCH WATER PRESSURE
WAYNE SWEEPERS	WARRIOR	<ul style="list-style-type: none"> • THREE (3) 0.0925 INCH DIAMETER ORIFICE NOZZLES LOCATED AT EACH SIDE BROOM • SIX (6) 0.0925 INCH DIAMETER ORIFICE NOZZLES ACROSS FRONT BUMPER • WATER PUMP TO PROVIDE 60 POUNDS PER SQUARE INCH WATER PRESSURE

* In order to ensure compliance with Rule 1186 requirements, all certified equipment must be operated and maintained in accordance with the manufacturer's specifications. End users are responsible for ensuring that the dust control systems are in place for each certified sweeper. Note: The make and model of the sweeper must have the dust control system(s) specified above to be in compliance. (Standard or older models may not have all the systems). Please contact the manufacturer if you would like to ensure that your sweeper(s) are Rule 1186 compliant.

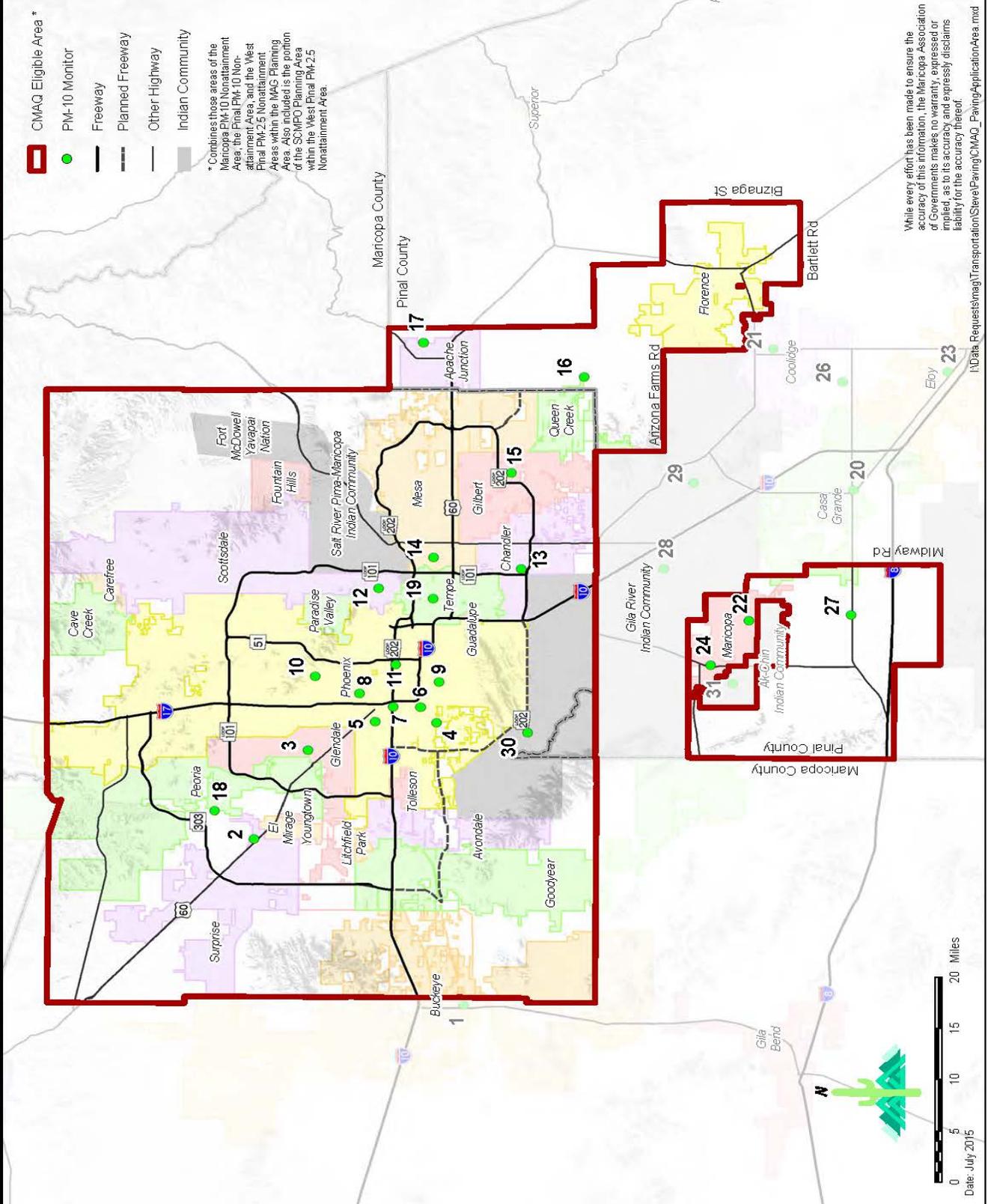
ATTACHMENT 2
EXAMPLES OF ADDITIONAL STREET SWEEPER EQUIPMENT NOT ELIGIBLE FOR REIMBURSEMENT
1. Automatic lubrication system (grease jockey system)
2. Camera/monitor
3. Hopper access step
4. Drag shoe carbide
5. Hydrant hopper wash down system
6. Conveyer flush kit with hydrant
7. 1000 pounds per square inch (PSI) wand
8. Dual HiBack air-suspended seats
9. Hand hose
10. Hopper Sound Suppression
11. Right hand steer chassis upcharge



CMAQ Paving Application Area

- CMAQ Eligible Area *
- PM-10 Monitor
- Freeway
- Planned Freeway
- Other Highway
- Indian Community

* Combines those areas of the Maricopa PM10 Nonattainment Area, the Pinal PM10 Nonattainment Area, and the West Pinal PM2.5 Nonattainment Area within the MAC Planning Area. This includes the portion of the SCMPD Planning Area within the West Pinal PM2.5 Nonattainment Area.



Map ID	Site ID	Name	Address	City	County	Agency
1	40134011	Buckeye	26449 West 100th Drive	Buckeye	Maricopa	Maricopa County AQD
2	40134010	Dysart	16825 North Dysart Road	Surprise	Maricopa	Maricopa County AQD
3	40132001	Glendale	6001 West Olive Avenue	Glendale	Maricopa	Maricopa County AQD
4	40134009	West 43rd Avenue	3940 West Broadway Road	Phoenix	Maricopa	Maricopa County AQD
5	40130019	West Phoenix	3847 West Earll	Phoenix	Maricopa	Maricopa County AQD
6	40139812	Durango Complex	2702 RC Ester Brook Boulevard	Phoenix	Maricopa	Maricopa County AQD
7	40133010	Greenwood	1128 North 27th Avenue	Phoenix	Maricopa	Maricopa County AQD
8	40139997	JLG Supersite	4530 North 17th Avenue	Phoenix	Maricopa	ADEQ
9	40134003	South Phoenix	33 West Tamarisk Avenue	Phoenix	Maricopa	Maricopa County AQD
10	40131004	North Phoenix	601 East Butler Drive	Phoenix	Maricopa	Maricopa County AQD
11	40133002	Central Phoenix	1645 East Roosevelt Street	Phoenix	Maricopa	Maricopa County AQD
12	40133003	South Scottsdale	2857 North Miller Road	Scottsdale	Maricopa	Maricopa County AQD
13	40134004	West Chandler	275 South Ellis	Chandler	Maricopa	Maricopa County AQD
14	40131003	Mesa	310 South Brooks	Mesa	Maricopa	Maricopa County AQD
15	40134006	Higley	15400 South Higley Road	Gilbert	Maricopa	Maricopa County AQD
16	40213009	Combs School	301 East Combs Road	Queen Creek	Pinal	Pinal County AQCD
17	40213002	Apache Junction Fire Station	3955 East Superstition Boulevard	Apache Junction	Pinal	Pinal County AQCD
18	40134016	Zuni Hills	10851 W Williams Road	Sun City	Maricopa	Maricopa County AQD
19	40134005	Tempe	1515 S College Avenue	Tempe	Maricopa	Maricopa County AQD
20	40210001	Casa Grande Downtown	401 N. Marshall Street	Casa Grande	Pinal	Pinal County AQCD
21	40213004	Coolidge Maintenance Yard	212 E. Broadway	Coolidge	Pinal	Pinal County AQCD
22	402113013	Cowtown Road	37580 W. Maricopa-Casa Grande Highway	Maricopa	Pinal	Pinal County AQCD
23	402113014	Eloy County Complex	801 N. Main Street	Eloy	Pinal	Pinal County AQCD
24	402113010	(City of) Maricopa County Complex	44625 W. Garvey Road	Maricopa	Pinal	Pinal County AQCD
25	402113007	Pinal Air Park	Water Well #2, Pinal Air Park Road	Marana	Pinal	Pinal County AQCD
26	402113011	Pinal County Housing Complex	970 N. Eleven Mile Corner Road	Casa Grande	Pinal	Pinal County AQCD
27	40213008	Stanfield County Complex	36697 W. Papago Drive	Stanfield	Pinal	Pinal County AQCD
28	40217004	Casa Blanca	Casa Blanca/Preschool Road	Bapchule	Pinal	Gila River Indian Community
29	40217001	Sacaton	35 Pima Street	Sacaton	Pinal	Gila River Indian Community
30	40137003	St Johns	4208 W. Pecos Road	Laveen	Maricopa	Gila River Indian Community
31	40217030	Ak Chin	47685 W. Eco-Museum Road	Maricopa	Pinal	Ak Chin Indian Community