

Name: City of Mesa Replace old with new FY2021 Certified Street Sweeper  
 Id: MES-21-SW-001  
 Agency: Mesa  
 This application was signed by Oralando Otero on 9/9/2020  
 Box 1466  
 Mesa, AZ 85211  
 (480) 644-2011

**Roadway Types**

*The types of roads the requested sweeper will sweep*

Arterial	Yes
Collector	Yes
Residential	Yes
Other	Yes
Description of Other Lanes	Parking lots, crossing of Shared use Paths with Collectors and Arterials, special bulb-outs are swept upon request or once a month.

**Roadway Type Information**

*Details about the types of roads to be swept*

Arterial Sweep Cycle Length (measured in days between sweepings)	7
Arterial Lane Miles to be Swept per Cycle	240
Arterial Average Weekday Traffic per Lane Being Swept	3,992
Collector Sweep Cycle Length (measured in days between sweepings)	14
Collector Lane Miles to be Swept per Cycle	24
Collector Average Weekday Traffic per Lane Being Swept	3,750
Residential Sweep Cycle Length (measured in days between sweepings)	30
Residential Lane Miles to be Swept per Cycle	780
Residential Average Weekday Traffic per Lane Being Swept	250

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**Proximity to PM-10 Monitor**

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

Will the requested certified sweeper be used within 4 miles of a PM-10 monitor?	Yes
Names of PM-10 monitors within 4 miles of sweeping route	Higley

**Additional Information**

*Additional information about the sweeper not covered in other sections*

Is the agency willing to provide MAG with additional information?	Yes
Number of Certified Sweepers Operated by Agency	7
Number of Noncertified Sweepers Operated by Agency	0

**Geographical Area**

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

Geographical area that the requested street sweeper will operate	Baseline Rd to Williams Field Rd, and from Ellsworth Rd to Meridian Rd. Stapley Dr to Higley Road, and from Baseline Rd to University Dr.
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**Local Resource Allocation**

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

Have local resources been committed to support the operation of the sweeper?	Yes
Details about local resources	5 City of Mesa street sweeper-operators (full time). 7 Certified Street Sweepers in service Annual budget under Equipment Usage - Street Cleaning of \$501K.

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**Replace a PM-10 Certified Street Sweeper**

*Additional information about the sweeper being replaced*

Number of hours in service on the sweeper that is being replaced	6,477
The month and year that the older certified sweeper was put into service	August 2012
Number of miles (including deadhead miles) on the sweeper that is being replaced	57,553
Percent of time older sweeper was out of service	26%
Additional information about out of service percentage	The original purchase cost was: \$244,036 Purchase date was: 4-18-2012 and put in service 8-7-2012 Current miles: 57,553 Total life repair cost without fuel and tires is: \$148,202.18. Between September 2019-September 2020 the total cost of repairs (labor and parts) is \$20,574.72. Unit #1971 is used as backup - the hours in service as of 9/1/2020 was 6,477 hours. Mesa may provide active fleet records to show sweeper#1971 was out of service this past year for 26.1% = 605.9 down hrs / 2,321 available hrs.

**Sweeper Purpose**

*What the requested sweeper will be used for*

Replace a Noncertified Street Sweeper	No
Expand Service Area	No
Increase Sweeping Frequency	No
Replace an Older Certified Street Sweeper	Yes

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**Funding Information**

*Summary of the estimated costs of the requested sweeper*

Procurement Method	ADOT Procurement
Total Estimated Cost of Sweeper	\$369,350.77
Total Eligible Costs	\$352,658.95
Ineligible Costs	\$16,691.82
Agency Cash Match	\$20,101.56
Total Agency Share of Costs	\$36,793.38
Federal Share of Costs	\$332,557.39

Quote date:  
 Quote Number:  
 Prepared by MariaAngelica Deeb

9/1/2020  
 15777

Description	Item total Cost	Total Estimated cost eligible for CMAQ	Not Grant Eligible	Federal Portion 94.3%	Local Share 5.7%
M4HSD High Side Dump Brm Sweeper - unit	\$ 299,089.00	\$ 299,089.00		\$ 282,040.93	\$ 17,048.07
Microtrap	\$ 1,350.00	\$ 1,350.00		\$ 1,273.05	\$ 76.95
Battery Master Shutoff	\$ 220.00	\$ 220.00		\$ 207.46	\$ 12.54
Daytime running lights	\$ 160.00	\$ 160.00		\$ 150.88	\$ 9.12
Air restriction indicator in cab	\$ 415.00	\$ 415.00		\$ 391.35	\$ 23.66
Seat, High back, air, gray	\$ 775.00		\$ 775.00		
AM/FM Radio w bluetooth	\$ 435.00		\$ 435.00		
Heated & Remote Controlled Mirrors	\$ 1,350.00	\$ 1,350.00		\$ 1,273.05	\$ 76.95
Aux. Power Source + 323034 Cap	\$ 135.00	\$ 135.00		\$ 127.31	\$ 7.70
in-Cab Water Tank Gauge	\$ 370.00	\$ 370.00		\$ 348.91	\$ 21.09
GB Plate - BOLT ON	\$ 305.00	\$ 305.00		\$ 287.62	\$ 17.39
Auxiliary Hopper Raise Option	\$ 1,900.00	\$ 1,900.00		\$ 1,791.70	\$ 108.30
Hopper Access Door (Ribbed)	\$ 4,160.00	\$ 4,160.00		\$ 3,922.88	\$ 237.12
Elevator Flusher	\$ 980.00		\$ 980.00		
Elevator Stall Alarm	\$ 545.00	\$ 545.00		\$ 513.94	\$ 31.07
25' Water Tank Fill Hose	\$ 80.00	\$ 80.00		\$ 75.44	\$ 4.56
Autolube - Full System M4	\$ 5,550.00		\$ 5,550.00		
LED Arrowstick	\$ 1,550.00	\$ 1,550.00		\$ 1,461.65	\$ 88.35
Positive Post for Jump Starts	\$ 160.00	\$ 160.00		\$ 150.88	\$ 9.12
12" Convex lower mirrors	\$ 25.00	\$ 25.00		\$ 23.58	\$ 1.43
Air Horn	\$ 130.00		\$ 130.00	\$ -	\$ -
Extra Set of ignition & door keys	\$ 55.00	\$ 55.00		\$ 51.87	\$ 3.14
Dual extend-o-reach	\$ 2,600.00	\$ 2,600.00		\$ 2,451.80	\$ 148.20
Uneven Surface Tilt Level Sensor when Dumping	\$ 525.00	\$ 525.00		\$ 495.08	\$ 29.93
4" Diameter Gutter Broom	\$ 58.00	\$ 58.00		\$ 54.69	\$ 3.31
Amber Beacons - Public Safety Equip	\$ 370.00	\$ 370.00		\$ 348.91	\$ 21.09
Stainless Steel Hopper-Lifetime Warranty	\$ 7,500.00		\$ 7,500.00		
CNG Engine Option			\$ -		
Limb Guard (Cab Beacon/Strobe)	\$ 210.00	\$ 210.00		\$ 198.03	\$ 11.97
3 yr - 36,000 mil part and labor warranty	\$ 7,500.00	\$ 7,500.00		\$ 7,072.50	\$ 427.50
3 year 150 K Cummins Engine Warranty	\$ 1,600.00	\$ 1,600.00		\$ 1,508.80	\$ 91.20
Subtotal	\$ 340,102.00	\$ 324,732.00	\$ 15,370.00	\$ 306,222.28	\$ 18,509.72
Sales Tax 8.6%	\$ 29,248.77	\$ 27,926.95	\$ 1,321.82	\$ 26,335.12	\$ 1,591.84
<b>TOTALS</b>	<b>\$ 369,350.77</b>	<b>\$ 352,658.95</b>	<b>\$ 16,691.82</b>	<b>\$ 332,557.39</b>	<b>\$ 20,101.56</b>

**ESTIMATED ELIGIBLE EXPENSES** \$ 352,658.95 95%  
**Estimated Non Federal Participating** \$ 16,691.82 5%  
**TOTAL Sweeper Cost** \$ 369,350.77

**Estimated Federal Participation Portion** \$ 332,557.39 94.3%  
**Estimated Local Participation Portion** \$ 20,101.56 5.7%  
**\$ 352,658.95**

Breakdown	Quote	Tax	Total
Federal	\$ 306,222.28	\$ 26,335.12	\$ 332,557.39
Local Match	\$ 18,509.72	\$ 1,591.84	\$ 20,101.56
Nongrant Parts	\$ 15,370.00	\$ 1,321.82	\$ 16,691.82
	\$ 33,879.72	\$ 2,913.66	\$ 369,350.77

**AZ Wastewater Industries, Inc.**

Phone: 800 778-9359

Fax: 480 425-3321

[www.azwastewaterindustries.com](http://www.azwastewaterindustries.com)3201 W. Virginia Ave, Suite 3  
Phoenix, AZ 85009**QUOTE**

Quote No.	15777
Quote Date	9/1/2020
Sales Rep.	BLM
Payment Terms	Net 30 Days
F.O.B.	Destination
Prices Good For	365 Days

**Customer:**City of Mesa  
F160-Fleet Services-MS4410  
PO Box 1466  
Mesa, AZ 85211-1466

Item	Item Description	Qty	Unit Cost	Total
Option	4" Diameter Gutter Broom Worklights	1	58.00	58.00
Option	Amber Beacons - Public Safety Equipment #6105 (cab and rear mount)	1	370.00	370.00
Option	Leaf Gate - Enhanced Leaf Pickup (standard option)	1	0.00	0.00
Option	Stainless Steel Hopper - Lifetime Warranty	1	7,500.00	7,500.00
Option	Elevator Assembly 2-pc. Bottom (standard option)	1	0.00	0.00
Option	Limb Guard (Cab Beacon/Strobe)	1	210.00	210.00
Option	3-Year 36,000 Mile Parts & Labor Warranty	1	7,500.00	7,500.00
Option	3-Year 150,000 Mile Cummins Engine Warranty	1	1,600.00	1,600.00

Prices do not include tax. All tax(es) will be applied to final invoice.

**Subtotal** \$340,102.00**Sales Tax (8.6%)** \$0.00**Total** \$340,102.00

Signature \_\_\_\_\_

**AZ Wastewater Industries, Inc.**

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[www.azwastewaterindustries.com](http://www.azwastewaterindustries.com)**QUOTE**3201 W. Virginia Ave, Suite 3  
Phoenix, AZ 85009

Quote No. 15777

Quote Date 9/1/2020

Sales Rep. BLM

Payment Terms Net 30 Days

F.O.B. Destination

Prices Good For 365 Days

**Customer:**City of Mesa  
F160-Fleet Services-MS4410  
PO Box 1466  
Mesa, AZ 85211-1466

Item	Item Description	Qty	Unit Cost	Total
M4HSD	Mechanical Sweeper with High Side Dump	1	299,089.00	299,089.00
Option	Microtrap	1	1,350.00	1,350.00
Option	Battery Master Shutoff	1	220.00	220.00
Option	Daytime Running Lights	1	160.00	160.00
Option	Air Restriction Indicator in Cab	1	415.00	415.00
Option	Seat, High Back, Air, Gray	1	775.00	775.00
Option	AM/FM Radio w/CD and Bluetooth	1	435.00	435.00
Option	Heated & Remote Controlled Mirrors	1	1,350.00	1,350.00
Option	Auxiliary Power Source + 323034 Cap	1	135.00	135.00
Option	In-Cab Water Tank Gauge	1	370.00	370.00
Option	GB Plate - BOLT ON	1	305.00	305.00
Option	Auxiliary Hopper Raise Option	1	1,900.00	1,900.00
Option	Hopper Access Door, LH & RH Side	2	2,080.00	4,160.00
Option	Elevator Flusher	1	980.00	980.00
Option	Elevator Stall Alarm	1	545.00	545.00
Option	25' Water Tank Fill Hose	1	80.00	80.00
Option	Autolube - Full System M4	1	5,550.00	5,550.00
Option	LED Arrowstick	1	1,550.00	1,550.00
Option	Positive Post for Jump Starts	1	160.00	160.00
Option	12" Convex Lower Mirrors	1	25.00	25.00
Option	Air Horn	1	130.00	130.00
Option	Extra Set of Ignition & Door Keys (total 4 sets)	1	55.00	55.00
Option	Dual Extend-o-Reach	1	2,600.00	2,600.00
Option	Uneven Surface Tilt Level Sensor when Dumping	1	525.00	525.00

Prices do not include tax. All tax(es) will be applied to final invoice.

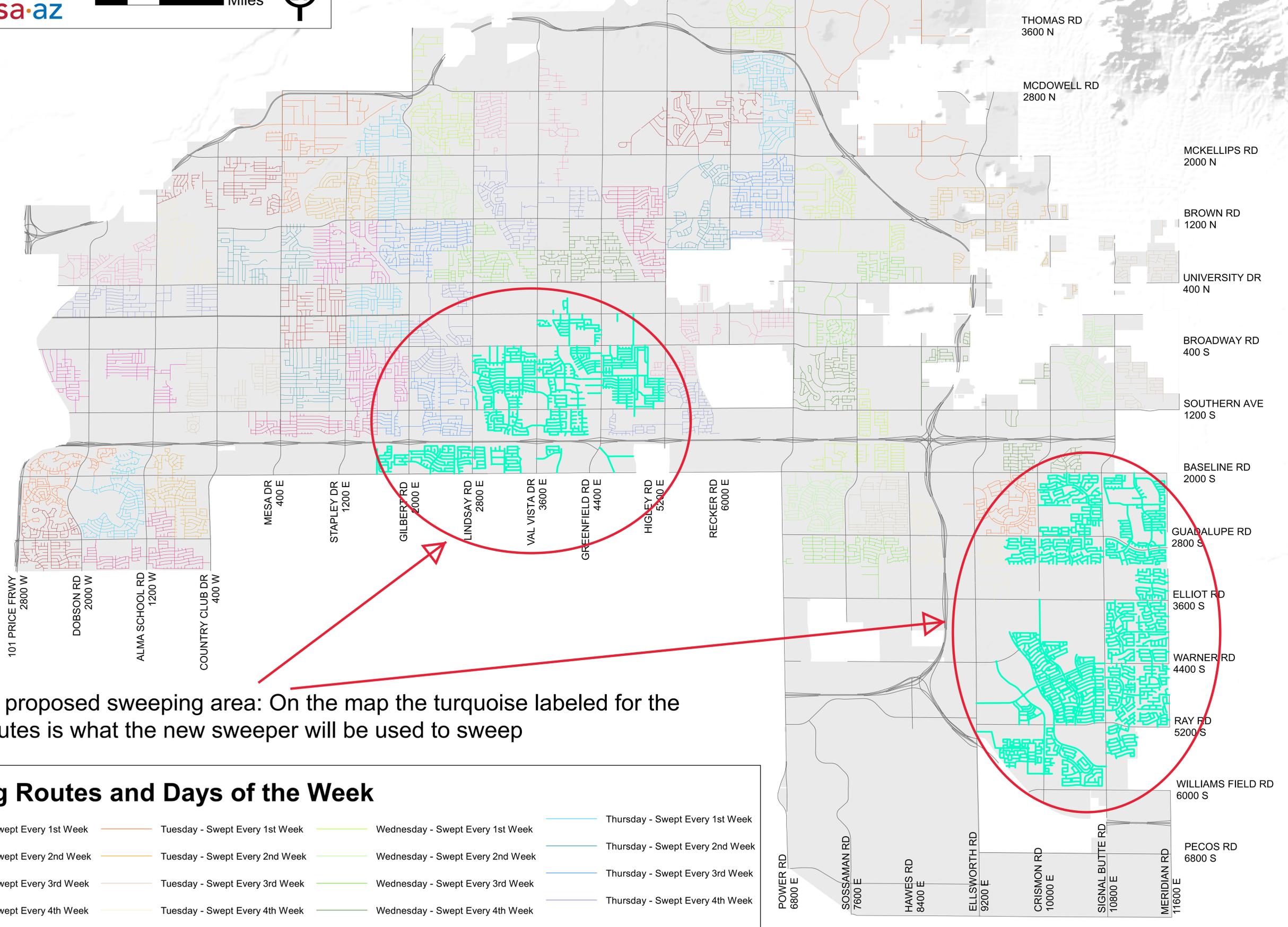
**Subtotal****Sales Tax (8.6%)****Total**

Signature

# SWEEPING ROUTES



0 0.5 1 2 Miles



Details of proposed sweeping area: On the map the turquoise labeled for the 5000's routes is what the new sweeper will be used to sweep

## Sweeping Routes and Days of the Week

Monday - Swept Every 1st Week	Tuesday - Swept Every 1st Week	Wednesday - Swept Every 1st Week	Thursday - Swept Every 1st Week
Monday - Swept Every 2nd Week	Tuesday - Swept Every 2nd Week	Wednesday - Swept Every 2nd Week	Thursday - Swept Every 2nd Week
Monday - Swept Every 3rd Week	Tuesday - Swept Every 3rd Week	Wednesday - Swept Every 3rd Week	Thursday - Swept Every 3rd Week
Monday - Swept Every 4th Week	Tuesday - Swept Every 4th Week	Wednesday - Swept Every 4th Week	Thursday - Swept Every 4th Week
			Route 5 - All Days

Revised: 9/1/2020