

Name: Glendale FY 2021 PM-10 Cert Street Sweeper Application
 Id: GLN-21-SW-001
 Agency: Glendale

This application was signed by Michelle Woytenko on 9/8/2020
 5850 West Glendale Avenue
 Glendale, AZ 85301
 (623) 930-2260

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

Roadway Type Information

Details about the types of roads to be swept

Arterial Sweep Cycle Length (measured in days between sweepings)	30
Arterial Lane Miles to be Swept per Cycle	148
Arterial Average Weekday Traffic per Lane Being Swept	7,500
Collector Sweep Cycle Length (measured in days between sweepings)	60
Collector Lane Miles to be Swept per Cycle	77
Collector Average Weekday Traffic per Lane Being Swept	2,500
Residential Sweep Cycle Length (measured in days between sweepings)	60
Residential Lane Miles to be Swept per Cycle	232
Residential Average Weekday Traffic per Lane Being Swept	1,000

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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	10,114
The month and year that the older certified sweeper was put into service	November 2009
Number of miles (including deadhead miles) on the sweeper that is being replaced	77,480
Percent of time older sweeper was out of service	13%
Additional information about out of service percentage	Sweeper Unit 6233H23 was out of service due to: *Water system and water lines are constantly getting replaced and updated. These visits mean the sweeper is not able to properly do its function *Radiator and heating issues were prevalent as well (coolant hoses, radiator parts, timing belts, etc.) *Small one off and (generally) expected issues such as: shock replacement, wiper blades, emissions testing, etc.

Geographical Area

Information about the geographical area that the sweeper will operate in

Geographical area that the requested street sweeper will operate	The certified street sweeper will be utilized in and will impact all streets within the City boundaries: residential, collector, arterial, downtown, and industrial. The residential and collector areas have been divided into three groups, and each group has a specific quarterly cycle established and communicated to the customer. This street sweeper will also be utilized on our main arterial roadways every five weeks. These areas have been divided into five areas, and each area is on a rotating 5-week schedule. Please see attached PDF of 3 documents about our street sweeping geographical area.
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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	Yes, the Field Operations Department, Solid Waste Division, has designated four employees with an Equipment Operator job title to fully utilize the certified street sweepers within our City boundaries. Their average annual salary is \$48,429, average annual employee benefits are \$21,574. The average annual O&M is \$40,000.

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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	Glendale

Increase Sweeping Frequency

The previous cycle lengths (measured in days between sweepings)

Previous Arterial Cycle Length	30
Previous Collector Cycle Length	60
Previous Residential Cycle Length	60

Roadway Types

The types of roads the requested sweeper will sweep

Arterial	Yes
Collector	Yes
Residential	Yes
Other	No
Description of Other Lanes	

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	6
Number of Noncertified Sweepers Operated by Agency	0

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Funding Information

Summary of the estimated costs of the requested sweeper

Procurement Method	ADOT Procurement
Total Estimated Cost of Sweeper	\$337,254.96
Total Eligible Costs	\$337,254.96
Agency Cash Match	\$19,223.53
Total Agency Share of Costs	\$19,223.53
Federal Share of Costs	\$318,031.43



Freightliner of Arizona, LLC
 9899 W. Roosevelt St.
 Tolleson AZ, 85353
 Phone: (623) 907-9900

Buyers Order

DE-73441
 08/21/2020

Contact: Cory Thompson - Email: cthompson@vvgtruck.com

Bill To: 131050
 CITY OF GLENDALE EQUIPMENT MANAGEMENT
 6210 W MYRTLE STE 111
 GLENDALE AZ 85301-7700
 Phone: (623) 930-2696 FAX: (623) 915-3123
 dhowitt@glendaleaz.com

Ship To:
 CITY OF GLENDALE EQUIPMENT MANAGEMENT
 6210 W MYRTLE STE 111
 GLENDALE AZ 85301-7700

Stock#: On Order	New 2022 FREIGHTLINER M2106	Price:	\$97,040.00
VIN:	SCHWARZE SWEEPER BODY		<u>\$214,345.00</u>
		Unit Price:	\$311,385.00
		Net Difference	<u>\$311,385.00</u>
	FET: \$0.00 - Tire Credit: \$0.00	= Net FET	\$0.00
		State Sales Tax	<u>\$25,869.96</u>
		Total Vehicle Sale Price	\$337,254.96
		Downpayment On Order :	
		Net Total	<u>\$337,254.96</u>

Lienholder: None

PRICING PURSUANT TO AZ STATE CONTRACT #CTR041810.

QUOTE INLCUDES SCHWARZE SWEEPER BODY UPFIT.

Legal title to the described vehicle(s) does not pass to purchaser until such time as title to any trade-in is proven to the satisfaction of FREIGHTLINER OF ARIZONA LLC to be unencumbered and purchaser's check or draft, if any, has been verified and cleared. This is to certify that this is a true and correct Bill of Sale.

Dealer: Freightliner of Arizona, LLC
 (Printed)

Customer: CITY OF GLENDALE EQUIPMENT MANAGEMENT
 (Printed)

By: _____
 (Signature)

By: _____
 (Signature)

 Date

 Date

SWORN to and SUBSCRIBED before me this _____ day of _____, _____. Notary Public: _____

BALAR EQUIPMENT

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

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

QUOTATION

Quote Number: 820231
Quote Date: Aug 19, 2020
Page: 1

Quoted To:
FREIGHTLINER 9899 W. ROOSEVELT TOLLESON, AZ 85353

Customer ID	Good Thru	Payment Terms	Sales Rep
FREIGHTLINER STERLIN	9/18/20	Net 10 Days	

Quantity	Item	Description	Unit Price	Amount
1.00	SCH-M6000TE	SCHWARZE M6000 TWIN ENGINE BROOM SWEEPER TO BE MOUNTED ON A FREIGHTLINER M2 CHASSIS SEE ATTACHED BUILD SHEET FOR DETAILED SPECIFICATIONS END CUSTOMER CITY OF GLENDALE	210,345.00	210,345.00
			Subtotal	210,345.00
			Sales Tax	
			Freight	4,000.00
			TOTAL	214,345.00

M6 AVALANCHE TWIN ENGINE



ELECTRONIC BUILD SHEET

Purchase Order Number	Special Option Request
	Customer Supplied Chassis

SOLD TO: Dealership Name		CUSTOMER NAME	
Balar Equipment		City of Glendale	
Address:		Address:	
Contact Name:	Jim Kries	Contact Name:	Montana Slack
Contact Phone:	602-722-0131	Contact Phone:	623-930-2621

M6 AVALANCHE STANDARD EQUIPMENT

HYDRAULIC SYSTEM	MAIN BROOM
Pump, Variable displacement load sense piston	Diameter, 36"; Length 58"
Hydraulic Tank, 35 gallon, w/ shut-off valve	Hydraulic Direct Drive / In Cab Adjustable Variable Speed
Tank & Cab mounted level and temperature indicator	In-Cab Adjustable Pneumatic lift w/ Positive lift Lock
5 Micro Tank Breather Filter	Brush type: Solid core, Wafer or poly strip broom
10 micron cartridge return filter	2" wide Tungsten Carbide Trailing Arm Dirt Shoes
100 Mesh Suction Strainer	Self-Aligning Bearings, Triple Sealed & Shielded
120,000 BTU oil to air twin fan oil cooler	GUTTER BROOMS
PNEUMATIC SYSTEM	49" Diameter
Electronic Digital Readout Air Regulators	5 Segment Wire Filled Vertical Digger
Auxiliary Air Tank - 1,488 cu. in. capacity	Hydraulic Direct Drive / In Cab Adjustable Variable Speed
Electro-Pneumatic valves with push to connect fittings	Free Floating Air Suspension & Air Extension
HOPPER	DUST CONTROL SYSTEM
Construction, A36 Carbon Steel, 10 Gauge, 3/16" Floor	Heavy Duty Electric diaphragm water pump
Roof skylights plus LED illumination & viewing window	50 PSI, 5.88 GPM
Capacity, 5.0 Cu.Yd.	Water tank capacity 350 gallons, polyethylene
Lift Capacity, 14,000 LBS	25-foot long fire hydrant fill hose
Twin Cylinder Scissor Lift and Dump	50 mesh cleanable filter, with shut off valve
Variable Dump Height, 16" to 138"	Five nozzles in front of main broom
Side Inspection Door with Built In Ladder Access	Seven nozzle front spray bar
External weatherproof dump switches	Four nozzles per gutter broom
ENGINE	Air purge system for flushing water lines
Cummins QSF2.8 74 HP, Liquid Cooled	OPERATING CONTROLS
	Six Sense - Six programmable sweep settings
SQUEEGEE CONVEYOR	Swivel base console for left or right sweeping
Heavy Duty, Constant-Radius Roller Chain	Keyed Ignition switch & Electronic Throttle
Self-Aligning Bearings, Triple Sealed & Shielded	Voltmeter, tach, oil pressure, water temp and hour meter
Hydraulic Direct Drive / In Cab Adjustable Variable Speed	Back lit sealed rocker switches with icon and text markings
Bolt In 3/16" Abrasion Resisting Floor Plate	7" TFT LCD color display, 800 x 480 pixels
BELT CONVEYOR	SAFETY EQUIPMENT
Heavy Duty Multi-Ply Belt w/ Full Width Cleats	Two body props to lock hopper in raised position
Self-Aligning Bearings, Triple Sealed & Shielded	Rear view camera system
Hydraulic Direct Drive / In Cab Adjustable Variable Speed	Slow moving vehicle emblem, backup alarm,
SWEEPER WARRANTY	5-lb fire extinguisher, and a warning triangle kit.
12 Months 1200 Hours	5-lb fire extinguisher, and a warning triangle kit.

UNIT OPTION

1	M6 Avalanche Twin Engine Cummins Tier 4f	SIM6TE	
Subtotal Unit Options			

CONVEYOR OPTIONS			
1	Squeegee Conveyor w/ 3/16" AR Floor Plate	204R07	
	Squeegee Conveyor w/ 1/4" AR Floor Plate	204R08	
	Belt Conveyor	204F08	
	Extra Capacity Flights	204P30	
Subtotal Conveyor Options			
MAIN BROOM OPTIONS (4003A)			
1	Main Broom, Tube, Standard	204E87	
	Main Broom, Strip	204F76	
	Main Broom, Wafer	204F77	
	Main Broom, Wafer Poly/Steel	204F78	
Subtotal Main Broom Options			
GUTTER BROOM OPTIONS(4024A)			
1	Broom, Dual	203T46	
1	Broom, Tilt Manual, Dual OR	204G23	
1	Broom, Tilt Power Dual	204G24	
	Broom, Reversible - Per Side (Specify Side)	204H50	
Subtotal Gutter Broom Options			
MISCELLANEOUS OPTIONS(7012A)			
	Auto Lube System Vogel Chassis & Sweeper	204J39	
	Auto Lube System Vogel Sweeper	204J40	
	Auto Lube Fill Kit, Pump and Grease	203B25	
	Auto lube GL2 Sweeper/Chassis	204L33	
	Auto lube GL2 Sweeper Only	204L34	
1	Remote Grease Point, Conveyor/Main Broom	204N59	
	Toolbox Behind Cab (Cabover Only)**	204F82	
	Manual, Sweeper, Additional Copy	203B26	
	Additional Squeegee Conveyor	204R07	
	Additional Belt Conveyor	204R08	
1	Camera System, Single	203X81	
	Camera System, Dual (Must list location of 2nd camera in notes)	203X82	
	Camera System, Three (Must list location of 2nd & 3rd camera in notes)	204P82	
	Camera System, Four w/Split Screen (Location of camera 2, 3, 4 in notes)	204P83	
	Leak Detection Kit	204R11	
	DC Backup Hydraulic System	204L93	
	Electronic Inclinometer Indicator / Alarm	204N73	
Subtotal Miscellaneous Options			
HYDRAULIC SYSTEM OPTIONS (2003A)			
	Hydraulic Filter Restriction Alarm & Ind	204G35	
	Hydraulic Pressure Gauge @ Valve Bank	203A99	
	Hydraulic Pressure Gauge @ Valve Bank W/6" Hose	204G73	
Subtotal Hydraulic System Options			

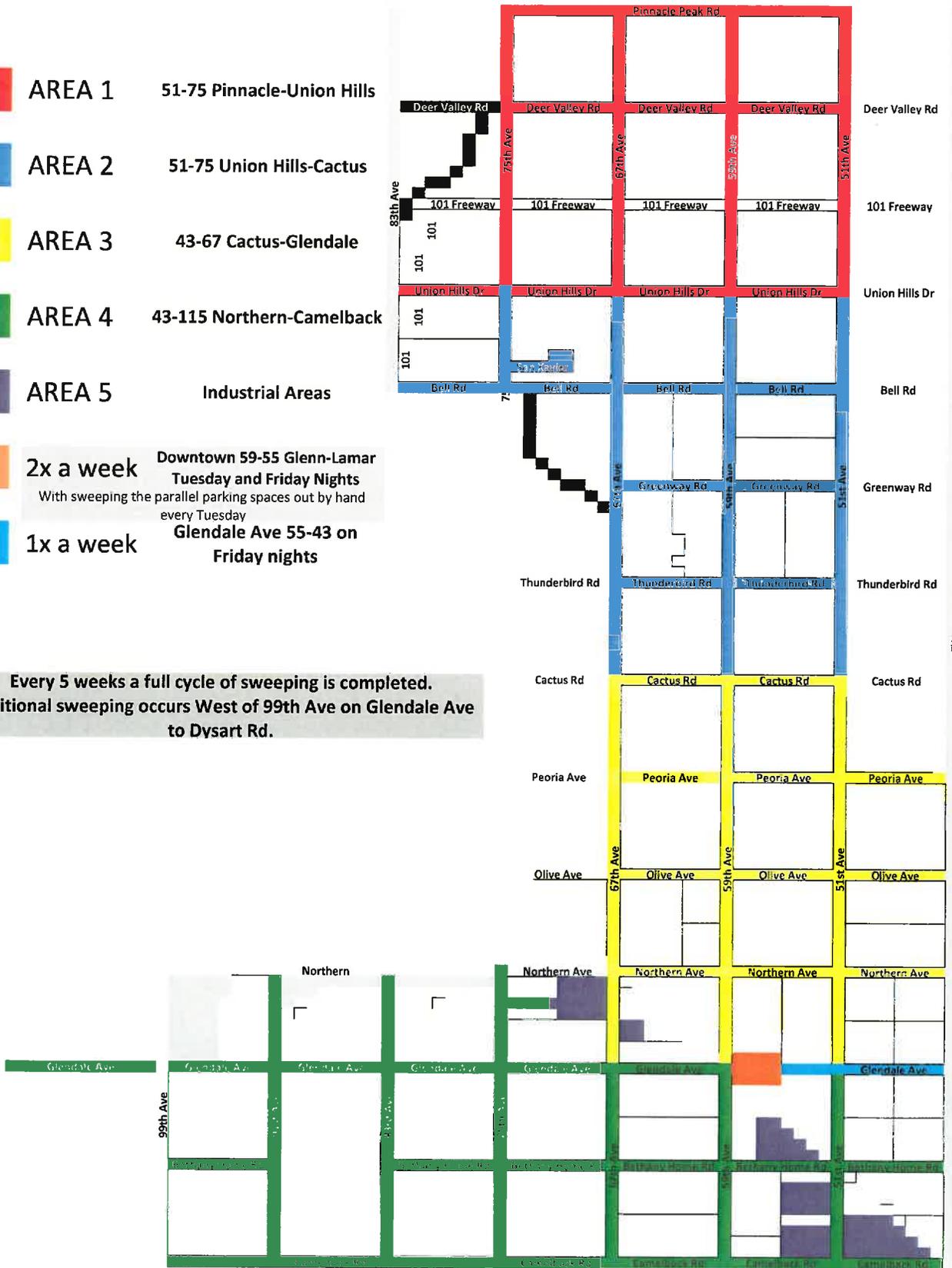
WATER SYSTEM OPTIONS (5010A)			
	High Pressure Wash-down w/ Hose Reel - 1500 PSI w/ Rota Nozzle	204H13	
	High Pressure Wash-down - 1500 PSI w/ Rota Nozzle	203K66	
	Additional 350 Gallon Water Tank* Cabover Only	204F73	
	Water Fill Strainer	204L96	
Subtotal Water System Options			
HOPPER OPTIONS (3007A)			
1	Hopper, Standard	204E58	
	Hopper, Stainless Steel (304) ~LIFETIME WARRANTY~	204G09	
	Hopper, Stainless Steel (C12) ~LIFETIME WARRANTY~	204N37	
	Hopper Load Leveler	204H26	
	Hopper Dump Assist Shaker	203J74	
	Hopper Load Weight Alarm & Indicator	204P08	
	Hopper Deluge from Hydrant Connection	204N10	
Subtotal Hopper Options			
AUXILIARY ENGINE OPTIONS (+2004A+)			
	Engine Oil Heater, Deutz	203B19	
	Twin Glow Plug to -20 F, Deutz	203B20	
	Water/Fuel Separator, Deutz	203G77	
	Air Filter Restriction Ind. In-Cab. Deutz/Yanmar	203B80	
	Block Heater, Yanmar	204P33	
Subtotal Auxiliary Engine Options			
REAR LIGHTING OPTIONS (6010A)			
1	Strobe, Rear W/Guard LED (Std) 1 ea or	203U11	
	Strobe, Rear LED 1 each or	203U10	
	Strobe, Dual Rear LED	203U20	
	Strobe, Dual Rear W/Guard LED	203U19	
1	Arrowboard, Traffic Guide, Split LED	203H47	
	Barlight, Rear LED	203U22	
	Barlight, Rear W/Guard LED	203U21	
	Hopper Dump Light, LED	203U05	
	Flush Mounted Rear Strobe / Turn Signals	204G31	
	4 Surface mounted Strobes on Rear of Sweeper	204N13	
	Arrow Stick, Whelen 8 Lamp Super LED 30.36" Long	204S84	
CAB LIGHTING OPTIONS (6010A)			
	Strobe, Cab LED	203U12	
	Strobe, Cab W/Guard LED	203U13	
	Barlight, Cab LED	203U23	
	Barlight, Cab W/Guard LED	204K75	
	Dual Mirror Mount Whelen Edge Strobes	204G91	
	Floodlight, LED *** (Must list location in notes)	203V45	
Subtotal Lighting Options			
SPECIAL PAINT OPTIONS			
1	Paint, Standard	204D32	
	Paint, Special: Sweeper Unit Only	204D30	
	Paint, Special: Chassis Only	204D31	
	Enter DuPont Imron Paint Code Below: Special Paint Color: _____ Special Paint Code: _____		
1	Decal Kit	204E46	
Subtotal Special Paint			

CHASSIS MOUNTING OPTIONS			
	Freightliner M2 33K DS '20 (AIR)	67996	
	Peterbilt 220 RHS 33K '19	67366	
	Peterbilt 220 Dual Steer 33K '18		
	Special Order Chassis		
CUSTOMER SUPPLIED CHASSIS			
1	Customer Supplied Other Chassis Mounting Fee	00888162	
	Customer Supplied International Chassis Mounting Fee	00888162	
	Customer Supplied Autocar Chassis Mounting Fee	00888162	
<i>Customer supplied chassis specs must be approved by Schwarze Product Management prior to quoting end user final Chassis Specs must be submitted and signed off by Product Management at the time of submitting purchase order to Schwarze</i>			
CHASSIS DELIVERY DATE TO SCHWARZE		CHASSIS DEALER CONTACT NAME	
CHASSIS DEALERSHIP NAME		CHASSIS DEALER CONTACT NUMBER	
TRUCK KIT OPTIONS- MUST PICK 1			
	IH 4300	204J62	
1	Freightliner M2	204F34	
	Autocar Xpert 132" WB	204J56	
	Autocar Xpert 138" WB	204F00	
	Peterbilt 337	204N48	
	Kenworth K370/Peterbilt 220	204L03	
M2 CHASSIS OPTIONS (1006A)			
	Mirror, 12" Parabolic, Set	203616	
	Air Filter Restrict Ind Chassis	203465	
	Tire & Rim, Spare M2	203468	
	Block Heater	203469	
	Horn, Air M2	203A41	
	Rim, Spare M2	203620	
	Magnet, Bar, 90" FL M2	204A38	
	Magnet, Bar, 87" Self Dumping, FL M2	203X78	
		Subtotal M2 Chassis Options	
IH CHASSIS OPTIONS (1005A)			
	Mirror, 12" Parabolic, Set	203616	
	Seat, Suspension HI back, Each *	203461	
	Air Filter Restrict Ind Chassis	203465	
	Tire & Rim, Spare IH	203476	
	Block Heater, IH 4300	203C83	
	Tow Hooks, IH	203037	
	Rim, Spare IH	203478	
	Magnet, Bar, 90" IH	204A37	
	Magnet, Bar, 87" Self Dumping, IH	203U54	
		Subtotal IH Chassis Options	
<i>* 4300 M7 Only, State in notes location of Air Ride Seat</i>			
CABOVER CHASSIS OPTIONS (1055 Autocar)			
	Mirror, 12" Parabolic, Set (Autocar Only)	203616	
	Magnet, Bar, 90" Paccar	204L15	
	Air Filter Restrict Ind Chassis	203465	
	Tire & Rim, Spare Autocar	203468	
	Horn, Air Auto Car	203468	
	Gauge, Hour Meter (Right Hand Only Kenworth/Peterbilt)	66504	
		Subtotal Cabover Chassis Options	

ARTERIAL / DOWNTOWN / INDUSTRIAL SWEEPING

- AREA 1** 51-75 Pinnacle-Union Hills
- AREA 2** 51-75 Union Hills-Cactus
- AREA 3** 43-67 Cactus-Glendale
- AREA 4** 43-115 Northern-Camelback
- AREA 5** Industrial Areas
- 2x a week** Downtown 59-55 Glenn-Lamar
Tuesday and Friday Nights
With sweeping the parallel parking spaces out by hand every Tuesday
- 1x a week** Glendale Ave 55-43 on Friday nights

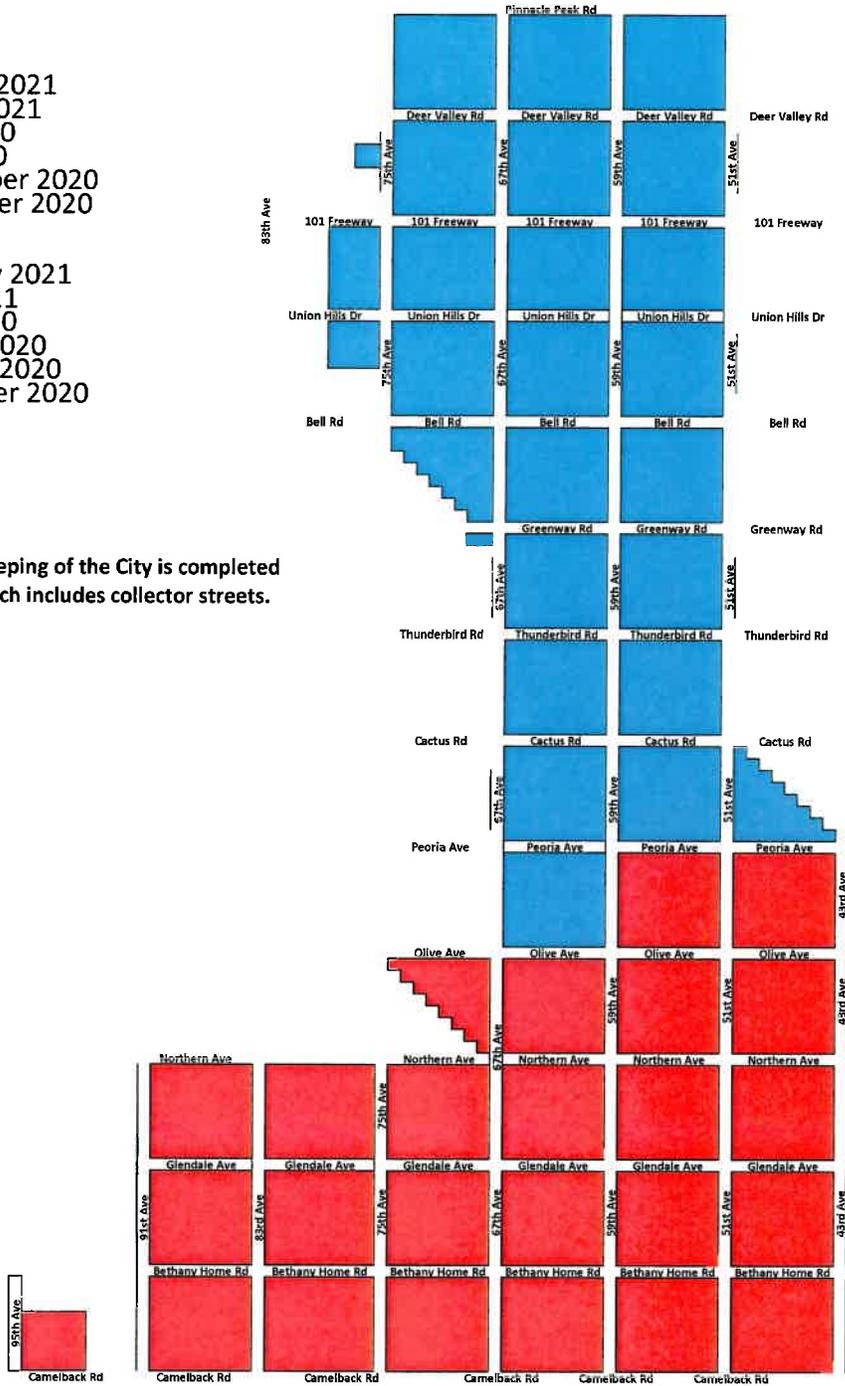
Every 5 weeks a full cycle of sweeping is completed.
Additional sweeping occurs West of 99th Ave on Glendale Ave to Dysart Rd.



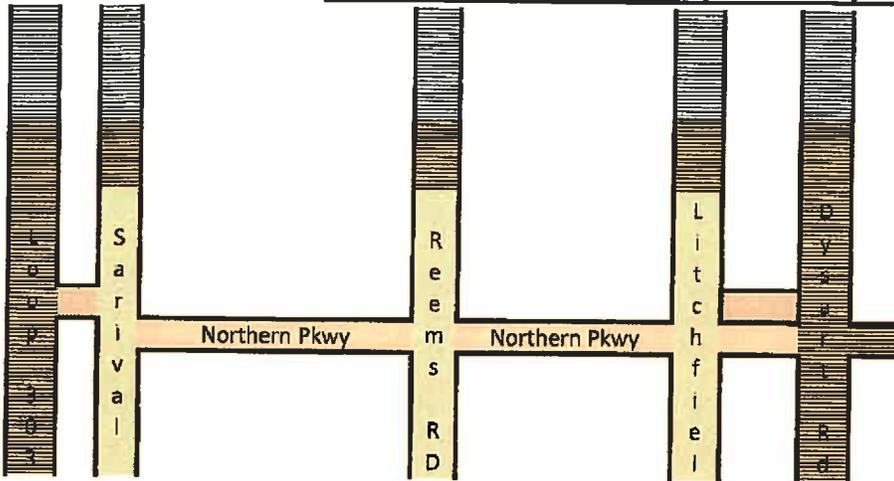
RESIDENTIAL STREET SWEEPING

- January 2021
 March 2021
 May 2020
 July 2020
 September 2020
 November 2020
- February 2021
 April 2021
 June 2020
 August 2020
 October 2020
 December 2020

Residential sweeping of the City is completed bi monthly which includes collector streets.



Northern Parkway Sweeping Schedule



Northern Pkwy Sweeping Schedule	
Northern Ave - Swept 2xMonth	
Cross Roads North & South - Swept 1xMonth	
SR 303L Ramp - Swept 2xMonth	
Areas Not Swept	
Dysart Off Ramp - Swept 1xMonth	

Sweeping of Mainline Curb miles – Twice per month	
Eastbound	Curb Miles
Sarival Avenue to Reems Road	1.66
Reems Road to Litchfield Road	3.36
Litchfield Road to ¼ mile west of Dysart Road	1.50
Westbound	Curb Miles
¼ mile west of Dysart Road to Litchfield Road	2.94
Litchfield Road to Reems Road	3.36
Reems Road to Sarival Avenue	1.30

Ramps Curb miles – Twice per month	
Eastbound	Curb Miles
Sarival Avenue On-Ramp	0.47
Reems Road Off-Ramp	0.33
Reems Road On-Ramp	0.33
Litchfield Road Off-Ramp	0.34
Litchfield Road On-Ramp	0.34
Westbound	Curb Miles
Litchfield Road Off-Ramp	0.39
Litchfield Road On-Ramp	0.41
Reems Road Off-Ramp	0.35
Reems Road On- Ramp	0.28
Sarival Avenue Off-Ramp	0.40
SR 303L Ramp WS	0.32

Cross Roads both – Once per month	
North and South	Curb Miles
Sarival Avenue	1.00
Reems Road	1.00
Litchfield Road	2.45