
2007-2008 Integrated Snow Response Plan



City of Commerce City
Public Works
September 24, 2007

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2007-2008 Integrated Snow Response Plan

Commerce City's Integrated Snow Response Plan is designed to make efficient use of crew time and conserve materials and equipment during winter storm events. Staff from both the Street Maintenance and Park Maintenance Divisions are integrated into the plan in order to maximize resources. Through proper management, our efforts will translate into cost savings for the public and a healthier, safer city in which to live, work, and drive.

Integrated 2007-2008 Program Goals:

- The Goal of the City of Commerce City is to provide fiscally responsible service during snow and ice events that support the safety and mobility of our transportation system by removing or displacing snow and ice from all designated priority streets, parking areas, trails, and City-maintained sidewalks as safely and expeditiously as possible.

Unified Response Time Objectives:

- Primary crews and equipment will be engaged in snow and ice removal operations on designated priority streets within one hour after the call for service is received from the Police Department by the crew chief.
- Secondary crews and equipment will be engaged in snow and ice removal on parking areas, trails, and City-maintained sidewalks within one hour after a request for service is received from the crew chief. Once deployed, the secondary crew will be under the general supervision of the crew chief.

Priority Street Designations:

- Priority #1 Streets: Major arterials considered to be the minimum network, which must be kept open to provide a transportation system connecting hospitals, fire stations, police stations, and other emergency units.
- Priority #2 Streets: All remaining arterials and selected collectors completing the network covering the major traffic volume streets or providing access to schools.
- Priority #3 Streets: All remaining collectors, bus routes, and hilly areas.
- Priority #4 Streets: Streets primarily located in residential areas. Priority #4 streets are plowed only when snow accumulations completely block traffic movement.

Priority Parking Areas, Trails, and Sidewalks:

- Priority #1: Police Department, Civic Center, Derby parking areas, Municipal Service Center, Recreation Center.
- Priority #2: Fire stations when snow accumulations reach 4 inches. The Derby District Resource Center and Center Community Center.
- Priority #3: Pioneer Park (5902 Holly Street), Trail Head parking lot (70th & Colorado Boulevard), all City parks' sidewalks and parking areas, the bike trail west from Colorado Boulevard, the bike trail & underpass (Fairfax Park West to Hwy 2), and the bike trail from Dahlia west to the Platte River Bridge.
- Priority #4: Service Center (7450 Highway 2), Adams County Library (7185 Monaco Street), and the Adams County Services Building (7111 East 56th Avenue).

Storm Classifications:

There are three levels of response to snow and ice removal, depending on the severity of the storm. The following classifications are intended to serve as a guide to establish effective snow removal strategies for different types of winter storms:

- Class #1 Storm: A storm predicted to last for less than 12 hours with anticipated snow accumulations of 4 inches or less.
- Class #2 Storm: A storm predicted to last for more than 12 hours with anticipated snow accumulations of between 4 and 8 inches.
- Class #3 Storm: A storm predicted to be extreme in nature with snow accumulations on road surfaces at depths greater than 8 inches, accompanied with strong or gusting winds that create drifting and expected to last for 24 hours or more.

Ordinances and Regulations:

- Section 19-1. Duty of owner, occupant, etc., as to maintenance of sidewalks. "The owner, occupant or agent of the owner of any building, property or lot in the city shall maintain the sidewalks for the property including those on a public right-of-way in a clean condition and remove snow and ice from the sidewalks within twenty-four (24) hours after each snowfall." (Code 1969, § 9-100)
- Severe winter blizzards will be managed in accordance with The Code of Ordinances of the City of Commerce City, Chapter 23, entitled "All Hazard Emergency Operations Plan".

Street Plowing and Treatment Objectives:

- Each individual snow storm presents unique conditions and challenges that warrant different approaches to snow and ice control. Factors such as wind, moisture content of the snow, pavement temperature, ice build-up on road surfaces, and projected snow accumulations all influence snow fighting strategies.
- Normal operating procedures involve plowing and spreading de-icing materials from the center to the right side of the road. The first crew dispatched for a storm will apply de-icing materials to the entire road surface in an effort to prevent ice from bonding to the pavement. Plowing will begin when sufficient snow accumulations occur on the road surface. Plowing generally occurs when snow accumulation reaches two (2) inches.
- Subsequent crews will adjust techniques in order to meet conditions. De-icing adjustments are made in the field based on current and forecasted conditions. Field adjustments may include: applying de-icing materials to the entire road surface or limiting them to icy spots, intersections, stop signs, hills, and bridges. The crew chief will recommend techniques to be deployed based on storm conditions and duration to achieve optimal results and ensure the safety of motorists.
- In order to provide service to as much of the community in as timely a manner as possible, service will not include removal of the plowed windrows from driveways, sidewalks, mail boxes, along vehicles parked on the street, or at fire hydrants.

Street Plowing Response According to Storm Classification:

- Class #1 Storms: Under this storm classification, maintenance teams will perform snow removal on Priority #1, Priority #2, and Priority #3 streets. Every attempt will be made to clear snow from all travel lanes of Priority #1 and Priority #2 streets, and provide at least one treated travel lane on Priority #3 streets.
- Class #2 Storms: Under this storm classification, maintenance teams will concentrate on removing snow and ice from Priority #1 and Priority #2 streets. After the storm has subsided, or when sufficient clearing of the Priority #1 and Priority #2 streets has occurred, maintenance teams will plow and de-ice Priority #3 streets.
- Class #3 Storms: Under this storm classification, snowfall may be so heavy that only Priority #1 streets can be maintained in a passable condition until the storm subsides. After sufficient clearing of Priority #1 streets, maintenance teams will plow and sand all Priority #2 streets and then proceed to Priority #3 streets.

The amount of Priority #1 and Priority #2 streets has increased significantly during recent years due to rapid growth in the Northern Range and amendments to the Commerce City/Adams County Maintenance Agreement. Efforts have been made to make necessary adjustments in the service plan in order to maintain a consistent level of service throughout the City and the service area. Additional adjustments are eminent as growth continues. Under unusual circumstances, it may be necessary to contract for

outside services and rent equipment in order to provide services during Class #3 storms.

Parking Lot, Sidewalk, and Trail System Treatment Methods:

- The plowing of City parking lots, sidewalks, and trails are also performed on a priority system. The order of locations in which snow removal operations are engaged may vary according to the time of day and magnitude of the storm. If City offices are closed and business is unaffected by a storm, some parking areas may be considered “non-essential.” This strategy allows maintenance staff to focus their efforts on locations that dispatch emergency equipment and provide parking areas for emergency staff. Sufficient ingress/egress to all emergency facilities will be provided first, followed by a thorough and methodical clearing of all parking lots.
- Plowing operations will be continued until all prescribed parking areas and entrances are adequately cleared to allow sufficient vehicle parking. All emergency and law enforcement parking lots and driveways will be plowed as close to bare pavement as possible. De-icing materials will be applied to parking surfaces to provide increased traction through drive areas, as required.
- In parking areas where on-site storage is limited, a minimum number of parking spaces may be used to store snow. When snow stacking becomes too great, snow may be removed by snow removal teams and hauled away. Snow storage areas are limited in the Derby business area. When conditions warrant, the area has been designated for total removal in order to provide adequate public access and parking.
- Plowing in parking areas will be performed in a manner that does not create windrows in front of driveway entrances. Special care will be taken to prevent snow from being pushed into drive lanes of adjacent roadways.
- Sidewalk areas around the Civic Center, Recreation Center, Police Department, and Municipal Service Center will be treated as a Priority #1 and cleared during the storm to provide safe access for employees and customers. Sidewalks around City-maintained parks and trails will be cleared within 24 hours of the end of the storm according to City ordinance.

Parking lots, sidewalks, and trail systems will be prioritized as follows:

- Class #1 Storms: Parking lots designated as Priority #1 will receive immediate attention, followed by Priority #2, #3, and #4.
- Class #2 Storms: Parking lots designated as Priority #1 and #2 will be given immediate attention, followed by Priority #3 and #4.
- Class #3 Storms: Parking lots designated as Priority #1 will receive the greatest concentration of snow removal effort to facilitate the dispatching of emergency response units and/or law enforcement personnel. During such storms, service to parking lots, sidewalks, and trails designated as Priority #2, #3 and #4 will be delayed.
- Once the storm has subsided to the point that “re-stacking” (or perpetual accumulation) is no longer a factor, Priority #2, #3 and #4 will be effectively attended to.

Compensation:

- All work relating to snow and ice control in excess of 8 hours in a 24-hour period, during the normal business week, will be compensated at time and one-half. Snow and ice removal performed on weekends or City-observed holidays will also be compensated at the time and one-half rate. Employees can choose to receive pay for the overtime earned during a pay period or can receive compensatory time for the hours worked.
- Employees are compensated for being on call at the rate of one-hour of straight time for every 12 hours on call. When on-call hours are computed, they will be rounded up to the nearest half number and paid accordingly. When placed on call, compensation is paid from the time an employee leaves work until they report back to work. On-call compensation ceases when the employee is on duty. Unlike compensatory time, on-call time must be computed and paid each pay-period.
- Crew members are entitled to a paid half-hour “lunch” break after working 5 hours and a 10-minute break for each 4 hour period worked during a 12-hour shift. Lunch and breaks should be coordinated and approved by the crew chief to ensure adequate staff remains on City roads to perform snow removal operations effectively.

Leave Use:

- Two crew members may be scheduled for leave at the same time. A calendar is posted in the maintenance building for scheduling leave. With an approved leave request, crew members may write in their approved leave dates. Leave request conflicts will be mediated by the Supervisors.

On-call Rotations:

- A crew rotation list has been established for the 2007-2008 snow removal season. Crews will be rotated at 7:00 a.m. on the first Monday of each pay-period in accordance with the schedule.
- When a Class #1 storm is forecasted, the appropriate snow crew or crews will be placed on call at the discretion of the Operations Manager or designee, and will receive on-call compensation.
- If a snowstorm is unexpected and employees are working their normal shift, the crew assigned to the day-shift will be assigned to snow removal operations and held until 7:00 p.m. The night-shift will be sent home and paid straight-time for hours worked. The night-shift will return to work, if needed, at 7:00 p.m. and receive straight-time pay until they complete 8 hours of actual time worked. Overtime will be paid after the employee has worked an 8-hour shift.
- When weather forecasts call for a 40% or greater chance of a Class #2 or Class #3 storm, snow crews will be assigned to 12-hour shifts, beginning at either 7:00 a.m. or 7:00 p.m., as per the 2007-2008 Snow Call Rotation. Night-shift crews will be advised as far in advance as possible of the revised work schedule. In the event that advance notification was not provided, night-shift crews will be released from their normal workday schedule to go home and rest.
- Administrative leave will be provided to night-shift employees to cover their regularly scheduled 8-hour work day if storms do not materialize as predicted, and they do not have to return to work the night-shift. Full deployment levels will be maintained as long as road conditions warrant and forecasts for additional snow remain in effect. Crews will be released to their regular shifts when acceptable service levels are reached, and forecasts change to indicate the storm is over.
- There may be emergency situations in which a crewmember is not able to work. In this situation, the crewmember must contact their crew chief, or appropriate supervisor, immediately so a substitute can be notified.
- Public Works utilizes National Weather Service, local radio and television, and internet resources for forecast information.

Personnel Listing:

-Information removed to protect employee privacy-

Primary Snow Equipment Listing:

Quantity:	Description:
(7)	Tandem dump trucks with sanders and plows
(1)	Single axle dump trucks with sanders and snowplows
(1)	John Deere TC 54h rubber tire loader with snowplow
(1)	Motor grader with 10-foot v-plow
(1)	Skid steer with bucket attachment
(1)	Case 4-wheel drive loader/backhoe
(1)	John Deere 310-D loader/backhoe
(3)	1-ton trucks with plows and sanders
(1)	1-ton dump truck 4x4 with plow
(1)	1-ton dump truck with plow.
(1)	Ford Ranger utility 4x4 truck with plow
(2)	Toro riding mowers with mounted v-plow & cab
(1)	Toro rider mower with mounted angle plow & cab
(2)	Large Toro walk-behind snow blowers
(3)	Small Toro walk-behind snow blowers
(1)	Steiner Tractor with plow
(1)	Massey Ferguson Tractor

Materials:

A mixture of one-part salt to four-parts aggregate will be used. Under direction of the Operations Manager and crew leaders, the amount to be applied will be based upon the weather and road conditions in order to obtain maximum effectiveness.

These materials are stored at three locations:

- MSC – 8602 Rosemary Street
- Adams County Materials Shed on Dahlia Street at I-76 (shared)
- Buffalo Run Golf Course Maintenance Facility storage bins

2007-2008 Snow Call Rotation:

-Information removed to protect employee privacy-

Snow Removal Pre-Start Safety Check:

To Be Checked Before Leaving Public Works:

1. Oil
2. Windshield Wipers
3. Check/Clean all Lights
4. Air Pressure In All Tires (93# 10.00 X 20).
5. Tightness of All Wheel Lug Nuts
6. Brakes/Parking Brakes
7. Plow Connections – Tightness, Pins, Clippings
8. Rubber/Steel Edge for Proper Adjustments
9. All Hydraulic Levels – Plow, Sander/Dump Body
10. Seat Belt
11. Check Gate Opening on the Sander

Notify crew chief, supervisor, or mechanic of any irregularities.

To Be Checked as Time Permits Before End of Shift:

1. Radiator
2. Battery
3. Power Steering
4. Belts for Adjustment/Wear
5. Hoses for Soft Spots/Leaks
6. Automatic Transmission
7. Master Cylinder
8. Clean All Glass
9. Mirror Adjustment
10. Tailgate/Chains
11. Plow Hydraulic Connections for Leaks/Wear
12. Plow Edge Bolts for Tightness/Wear
13. Sander Conveyor/Spinner
14. Chains on Plow for Proper Adjustment/Wear
Note: Take Proper Precautions to Ensure Chains Do Not Become Un-Hooked. Check automatic chains for excessive wear and proper operation (if equipped).
15. Damage to Plow
16. Fastening Devices that Hold Sander to Truck
17. Sander Adjustments, Doors, Deflectors, Bearings, Shafts
18. Snow Shovel on/or in Truck
19. Snow Brush
20. Condition of Mud Flaps

Notify crew chief, supervisor, or technician of any irregularities.

Snow Removal Log:

Snow Removal Log	
Date:	
Driver:	
Unit:	
Finish Miles:	
Start Miles:	
Total Miles:	
District:	
Tons From MSC:	
Tons From County:	
Total Tons Used:	
Time Called:	A.M. P.M. (circle one)
Time at MSC:	A.M. P.M. (circle one)
Time on Street:	A.M. P.M. (circle one)
Hours Worked:	
Time Initial Pass Completed:	A.M. P.M.
Comments:	

2007-2008 Snow Season
Snow and Ice Control Program
Levels of Service

Objective: Primary crews and equipment engaged in snow and ice removal operations on designated priority streets within one hour after the call for service is received from the Police Department by the crew chief.

Time/Date Called: _____

Time/Date In Service: _____

Objective Met: _____

Objective: Secondary crews and equipment will be engaged in snow and ice removal on parking areas, trails, and City-maintained sidewalks within one hour after a request for service is received from the on-duty snow removal crew chief.

Time/Date Called: _____

Time/Date In Service: _____

Objective Met: _____

Storm Type:

Class #1 Class #2 Class #3

Class #1 Storm Objective: Clear snow from all travel lanes of Priority #1 and #2 streets, and provide at least one treated travel lane on Priority #3 streets.

Objective Met: _____

Time: _____

Date: _____

Clear snow from Priority #1, #2, #3 and #4 parking lots, as needed.

Objective Met: _____

Time: _____

Date: _____

Class #2 Storm Objective: Provide sufficient clearing of Priority #1 and #2 streets during the course of the storm and then plow and de-ice Priority #3 streets.

Objective Met: _____
Time priorities #1 & #2 completed: _____
Date: _____

Clear snow and ice from Priority #1 and #2 parking lots.

Objective Met: _____
Time: _____
Date: _____

Class #3 Storm Objective: - Maintain Priority #1 streets in a passable condition until the storm subside and then proceed to Priority #2 and #3 streets.

Objective Met: _____
Time #1 priorities completed: _____
Date: _____

Clear snow and ice from Priority #1 parking lots.

Objective Met: _____
Time: _____
Date: _____

Total miles maintained: _____
Tons of mix applied: _____
Tons of alternative de-icers: _____

Comments:

Signature

Date

In Case of an Accident

1. Stop! Protect yourself and others involved. Set reflectors and flares.
2. Aid the injured. Protect them from further injury. Do not move injured people, unless they are in a life-threatening situation.
3. Report all accidents immediately; first to police, and second to your supervisor, by City radio or phone. Wait until the other party hangs up before hanging up yourself.
4. Exchange necessary information with other drivers, including name, business phone, addresses, and license number.

Carefully and completely prepare the Driver's Report portion of the form provided in the glove compartment of each vehicle, both sides, and submit to your supervisor.

City Maintained Parking Areas and Trails:

Area:	Priority:
Police Department parking entrance	#1
Civic Center	#1
Derby streets and parking areas	#1
M.S.C. Parking Lot 8602 Rosemary St	#1
Recreation Center - 6060 Parkway Drive	#1
Fire Station - 6550 East 72nd Avenue	#2
Fire Station - 5650 Holly Street	#2
Fire Station - 8650 Rosemary	#2
Fire Station - 4711 East 69th Avenue	#2
Fire Station - 9911 E. 104 th Avenue	#2
Fire Station –13691 E. 104 th Way	#2
Conter Community Center - 60th & Holly	#2
Derby District Resource Center - 7270 Monaco St.	#2
Pioneer Park 5902 Holly Street	#3
All City Parks Sidewalks and Parking Areas	#3
Fernald Trail Head parking Lot - 70th & Colorado Boulevard	#3
Fernald Trail – West from Colorado Boulevard	#3
Bike Trail - West from Colorado Boulevard	#3
Bike Trail & Underpass - Fairfax Park West to Hwy 2	#3
Bike Trail – 49th Street West to Platte River Bridge	#3
Dahlia Trail Head – Sand Creek and Dahlia Street	#4
Service Center –7450 Highway 2	#4
Adams County Library - 7185 Monaco Street	#4
Adams County Services Building - 7111 East 56th Avenue	#4

2007-2008 Snow Districts:

Area:	Street Name:	From:	To:	Priority:	Linear Ft.	# of Lanes	Lane Miles:
District 1							
-							
-	49th Ave./Dr.	Sand Creek Dr.	Ivy St.	1	3,960.00	2	1.50
-	Ivy St.	50th Ave.	52nd Ave.	1	1,214.40	2	0.46
-	52nd Ave.	Ivy St.	Dahlia St.	1	2,745.60	2	1.04
-	Dahlia St.	51st Ave.	56th Ave.	1	3,775.20	2	1.43
-	56th Ave.	Highway 85	Quebec St.	1	9,451.20	4	7.16
-	60th Ave.	Highway 85	Quebec St.	1	7,920.00	2	3.00
-	Monaco St.	56th Ave.	60th Ave.	1	871.20	2	0.33
-	Holly St.	56th Ave.	60th Ave.	1	844.80	4	0.64
-	56th Ave.	Highway 85	Brighton Blvd.	1	4,224.00	2	1.60
-	York St.	Brighton Blvd.	58th Ave.	1	1,531.20	2	0.58
-	48th Ave..	Pontiac St.	Forest St.	2	5,702.40	2	2.16
-	50th Ave..	Pontiac St.	49th Ave.	2	3,907.20	2	1.48
-	Pontiac St..	48th Ave.	50th Ave.	2	1,320.00	2	0.50
-	Ivy St.	48th Ave.	50th Ave.	2	1,214.40	2	0.46
-	52nd Ave.	Dahlia St.	Colorado Blvd.	2	2,719.20	2	1.03
-	Bowen Ct.	56th Ave.	Niagara St.	2	739.20	2	0.28
-	Niagara St.	Bowen Ct.	56th Ave.	2	264.00	2	0.10
-	Eudora St.	56th Ave.	58th Ave.	2	1,267.20	2	0.48
-	Dahlia St.	60th Ave.	58th Ave.	2	1,531.20	2	0.58
-	58th Pl.	Dahlia St.	Glencoe St.	2	1,346.40	2	0.51
-	Glencoe St.	58th Pl.	58th Ave.	2	290.40	2	0.11
-	58th Ave.	Dahlia St.	Quebec St.	2	9,108.00	2	3.45
-	Oneida St.	58th Ave.	60th Ave.	2	1,267.20	2	0.48
-	Olive St.	56th Ave.	60th Ave.	2	844.80	2	0.32
-	53rd Pl.	Quebec St.	Newport St.	3	1,716.00	2	0.65
-	54th Pl.	Quebec St.	Newport St.	3	1,716.00	2	0.65
-	Newport St.	56th Ave.	Sand Creek Drive N.	3	2,376.00	2	0.90
-	Sand Creek Dr.	Newport St.	Krameria St.	3	2,323.20	2	0.88

Area:	Street Name:	From:	To:	Priority:	Linear Ft.	# of Lanes	Lane Miles:
<u>District 1 Continued</u>							
	Kearney St.	56th Ave.	55th Ave.	3	607.20	2	0.23
	Krameria St.	56th Ave.	Sand Creek Drive N.	3	1,188.00	2	0.45
	Leyden St.	56th Ave.	55th Ave.	3	607.20	2	0.23
	Locust St.	56th Ave.	55th Ave.	3	607.20	2	0.23
	Monaco St.	56th Ave.	55th Ave.	3	607.20	2	0.23
	Magnolia St.	56th Ave.	Sand Creek Drive N.	3	2,112.00	2	0.80
	Niagara St.	56th Ave.	Sand Creek Drive N.	3	2,112.00	2	0.80
	55th Ave.	Kearney St.	Monaco St.	3	1,161.60	2	0.44
			Sub Total:		85,192.80		36.17

Area:	Street Name:	From:	To:	Priority:	Linear Ft.	# of Lanes	Lane Miles:
District 2							
-							
-	62nd Ave.	Highway 85	Holly St.	1	2,402.40	2	0.91
-	64th Ave.	Highway 2	Quebec St.	1	7,656.00	4	5.80
-	72nd Ave.	Highway 85	Quebec St.	1	4,382.40	5	3.63
-	Holly St.	Highway 2	60th Ave.	1	1,874.40	2	0.71
-	Monaco St.	72nd Ave.	60th Ave.	1	7,132.15	2	2.70
-	Parkway Dr.	Highway 85	62nd Ave.	1	3,326.40	5	3.15
-	72nd Ave.	Colorado Blvd.	Highway 85	1	6,600.00	2	2.50
-	62nd Ave.	Holly St.	Quebec St.	2	5,280.00	2	2.00
-	66th Wy.	Highway 2	Holly St.	2	580.80	2	0.22
-	67th Pl.	Monaco St.	Niagara St.	2	660.00	2	0.25
-	67th Pl.	Oneida St.	Quebec St.	2	1,293.60	2	0.49
-	68th Ave.	Niagara St.	Oneida St.	2	396.00	2	0.15
-	69th Ave.	Highway 2	Niagara St.	2	3,352.80	2	1.27
-	70th Ave.	Monaco St.	Quebec St.	2	2,613.60	2	0.99
-	Kearney St.	69th Ave.	60th Ave.	2	5,887.20	2	2.23
-	Niagara St.	67th Pl.	68th Ave.	2	316.80	2	0.12
-	Niagara St.	68th Ave.	72nd Ave.	2	2,481.60	2	0.94
-	Olive St.	70th Ave.	60th Ave.	2	2,217.60	2	0.84
-	Oneida St.	68th Ave.	67th Pl.	2	237.60	2	0.09
-	Poplar St.	72nd Ave.	70th Ave.	2	1,188.00	2	0.45
-	63rd Pl.	Kearney St.	Monaco St.	3	1,293.60	2	0.49
-	63rd Pl.	Holly St.	Ivy St.	3	633.60	2	0.24
-	66th Pl.	Kearney St.	Monaco St.	3	1,214.40	2	0.46
-	Demott St.	Holly St.	Kearney St.	3	1,240.80	2	0.47
-	Ivy St.	64th Ave.	63rd Pl.	3	316.80	2	0.12
-			Sub Total:		64,578.55		31.22
-							

Area:	Street Name:	From:	To:	Priority:	Linear Ft.	# of Lanes	Lane Miles:
District 3							
-							
-	80th Ave.	Highway 2	Brighton Rd.	1	6,072.0	3	3.45
-	Quebec Pkwy.	Highway 2	56th Ave.	1	16,248.0	5	15.39
-	Prarie Pkwy.	Quebec Pkwy.	Victory Way	1	3,707.0	3	2.11
-	Valentia St.	59th Pl.	56th Ave.	1	2,147.0	4	1.63
-	56th Ave.	Valentia St.	Quebec Pkwy.	1	3,199.0	5	3.03
-	Trenton St.	60th Ave.	Prarie Pkwy.	1	654.0	2	0.25
-	60th Ave.	Trenton St.	Quebec Pkwy.	1	2,018.0	2	0.76
-	Victory Way	Prarie Pkwy.	59th Pl.	2	983.0	2	0.37
-	59th Pl.	Trenton St.	Valentia St.	2	1,190.0	2	0.45
-	Trenton St.	59th Pl.	60th Ave	2	438.0	2	0.17
-	60th Ave.	Trenton St.	Victory Way	2	776.0	2	0.29
-	Quebec St.	73rd Ave.	72nd Ave.	2	633.6	2	0.24
-			Sub Total:		38,065.6		28.13
-							
-							

Area:	Street Name:	From:	To:	Priority:	Linear Ft.	# of Lanes	Lane Miles:
District 4							
-	60th Ave.	Brighton Blvd.	Highway 85	1	1,399.20	2	0.53
-	Colorado Blvd.	Brighton Blvd.	74th Ave.	1	8,316.00	2	3.15
-	Dahlia St.	69th Ave.	I-76	1	3,168.00	2	1.20
-	88th Ave.	Brighton Rd.	Rosemary St.	1	3,168.00	2	1.20
-	Rosemary St.	80th Ave.	88th Ave.	1	5,200.80	2	1.97
-	Brighton Rd.	77th Ave.	80th Ave.	1	712.80	2	0.27
-	81st Ave.	Rosemary St.	Quebec St.	1	966.00	2	0.37
-	Quebec St.	80th Ave.	81st Ave.	1	966.00	2	0.37
-	68th Ave.	Colorado Blvd.	Brighton Blvd.	2	2,270.40	2	0.86
-	Ash St.	68th Ave.	70th Ave.	2	1,293.60	2	0.49
-	70th Ave.	Colorado Blvd.	Brighton Blvd.	2	2,798.40	2	1.06
-	Dexter St.	69th Ave.	70th Ave.	2	633.60	2	0.24
-	69th Ave.	Cherry St.	Holly St.	2	2,983.20	2	1.13
-	Fairfax St.	69th Ave.	72nd Ave.	2	2,032.80	2	0.77
-	Birch St.	70th Ave.	74th Ave.	2	2,508.00	2	0.95
-	Cherry St.	69th Ave.	74th Ave.	2	1,874.40	2	0.71
-	Onieda St.	72nd Ave.	Highway 2	2	2,349.60	2	0.89
-	Magnolia St.	72 nd Ave.	Highway 2	2	448.80	2	0.17
-	73rd Ave.	Onieda St.	Quebec St.	2	1,293.60	2	0.49
-	74th Ave.	Onieda St.	Magnolia St.	2	700.00	2	0.27
-	Newport St.	74th Ave.	Highway 2	2	290.40	2	0.11
-	Derby	Streets		2	976.80	2	0.37
-	Kearney St.	72nd Ave.	76th Ave.	2	2,587.20	2	0.98
-	72nd Pl.	Kearney St.	Krameria Dr.	2	422.40	2	0.16
-	Krameria Dr.	72nd Pl.	74th Pl.	2	2,508.00	2	0.95
-	74th Pl.	Krameria Dr.	Monaco St.	2	1,452.00	2	0.55
-	Monaco St.	74th Pl.	80th Ave.	2	1,874.40	2	0.71
-	76th Ave.	Monaco St.	Brighton Rd.	2	3,088.80	2	1.17
-	77th Ave.	Dahlia St.	Larkwood St.	2	3,484.80	2	1.32
-	Larkwood St.	77th Ave.	80th Ave.	2	2,112.00	2	0.80
-	Kenwood St.	76th Ave.	77th Ave.	2	211.20	2	0.08

Area:	Street Name:	From:	To:	Priority:	Linear Ft.	# of Lanes	Lane Miles:
District 4 Continued							
-	Kimberly St.	80th Ave.	79th Pl.	2	158.40	2	0.06
-	79th Pl.	Kimberly St.	Larkwood St.	2	792.00	2	0.30
-	Brighton Rd.	80th Ave.	88th Ave.	2	2,138.40	2	0.81
-	86 th Ave.	Quebec St.	Rosemary St.	3	316.80	2	0.12
-	83rd Ave.	Quebec St.	Ulster St.	3	2,508.00	2	0.95
-	84th Ave.	Quebec St.	Ulster St.	3	3,696.00	2	1.40
-	Ulster St.	83rd Ave.	88th Ave.	3	3,009.60	2	1.14
-	Willow St.	88th Ave.	86th Ave.	3	1,108.80	2	0.42
-	87th Ave.	Willow St.	Xenia St.	3	501.60	2	0.19
-	Xenia St.	87th Ave.	88th Ave.	3	739.20	2	0.28
-	78th Ave.	Monaco St.	Roslyn St.	3	2,376.00	2	0.90
-	Roslyn St.	78th Ave.	80th Ave.	3	1,240.80	2	0.47
-	Quebec St.	81st Ave.	86th Ave.	3	2,782.00	2	1.05
-			Sub Total:		85,458.80		32.37
-							

Area:	Street Name:	From:	To:	Priority:	Linear Ft.	# of Lanes	Lane Miles:
<u>District 5</u>							
-							
-	88th Ave.	Rosemary St.	Highway 2	1	4,963.00	3	2.82
-	Yosemite/Hienz Wy.	88th Ave.	96th Ave.	1	2,481.60	4	1.88
-	Havana St.	96th Ave.	104th Ave.	1	5,596.80	2	2.12
-	104th Ave.	Havana St.	Potomac St.	1	10,560.00	3.00	6.00
-	Peoria St./Pkw.	104th Ave.	120th Ave.	1	11,536.80	3	6.56
-	112th Ave.	Peoria St.	Brighton Rd.	2	9,345.60	3	5.30
-	102nd Ave.	Havana St.	Dallas St.	2	3,168.00	2	1.20
-							
<u>Belle Creek</u>							
-							
-	Belle Creek Blvd.	104th Ave.	112th Ave.	2	6,019.20	2	2.28
-	Longs Peak Dr.	Beeler St.	Highway 85	2	1,200.00	2	0.45
-	Beeler St.	Longs Peak Dr.	107th Ave.	2	200.00	2	0.08
-	107th Ave.	Beeler St.	Belle Creek Blvd.	2	700.00	2	0.27
-							
<u>Dunes Park</u>							
-							
-	112th Ct.	112th Ave.	112th Dr.	2	369.60	2	0.14
-	112th Dr.	112th Ct.	Clinton St.	2	1,135.20	2	0.43
-	Clinton St.	112th Dr.	112th Pl.	2	184.80	2	0.07
-	112th Pl.	Clinton St.	Florence St.	2	1,557.60	2	0.59
-	Florence St.	112th Pl.	112th Ave.	2	369.60	2	0.14
-							

Area:	Street Name:	From:	To:	Priority:	Linear Ft.	# of Lanes	Lane Miles:
<u>District 5 Continued</u>							
<i><u>River Run</u></i>							
-	Oakland St.	112th Ave.	114th Pl.	2	1,240.80	3	0.71
-	114th Pl.	Oakland St.	Oswego St.	2	976.80	2	0.37
-	Oswego St.	114th Pl.	115th Dr.	2	1,108.80	2	0.42
-	115th Ave.	Oswego St.	Peoria St.	2	633.60	2	0.24
-	Jamaica Dr.	112th Ave.	113th Ave.	2	633.60	2	0.24
-	113th Ave.	Jamaica Dr.	Joliet St	2	237.60	2	0.09
-	Joliet St.	113th Ave.	114th Ave.	2	475.20	2	0.18
-	114th Ave.	Joliet St.	Jamaica St.	2	158.40	2	0.06
-	Jamaica St.	114th Ave.	113th Ave.	2	633.60	2	0.24
-	113th Ave.	Jamaica St.	Jamaica Dr.	2	237.60	2	0.09
-	115th Ave./Dr.	Oswego St.	River Run Pkwy.	2	1,267.20	2	0.48
-	River Run Pkwy.	115th Ave.	Oakland St.	2	2,719.20	2	1.03
<i><u>River Oaks</u></i>							
-	Oakland St.	112th Ave.	111th Ave.	2	5,021.00	2	1.90
-	111th Ave.	Oakland St.	Lima St.	2	1,180.00	2	0.45
-	Lima St.	111th Ave.	112th Ave.	2	502.00	2	0.19
<i><u>Stillwater</u></i>							
-	Oakland Dr.	115th Ave.	118th Pl.	2	1,715.00	2	0.65
-	118th Pl.	Oakland Dr.	Nome St.	2	281.00	2	0.11
-	Nome St.	118th Pl.	119th Ave.	2	272.00	2	0.10
-	119th Ave.	Nome St.	Moline St.	2	387.00	2	0.15
-	Moline St.	119th Ave.	120th Ave.	2	512.00	2	0.19
-	119th Ave.	Peoria St.	Nome St.	3	1,293.00	3	0.73
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Area:	Street Name:	From:	To:	Priority:	Linear Ft.	# of Lanes	Lane Miles:
<u>District 5 Continued</u>							
<i>North Range Village</i>							
<i>Potomac Farms</i>							
<i>Turnberry:</i>							
-	Potomac St.	104th Ave.	108th Ave.	2	2,613.60	2	0.99
-	Blackhawk Ave.	104th Ave.	105th Pl.	2	1,188.00	2	0.45
-	105th Pl.	Blackhawk Ave.	Potomac St.	2	1,188.00	2	0.45
-	106th Ave.	Potomac St.	105th Wy.	2	1,320.00	2	0.50
-	105th Wy.	Victor St.	Vaughn Wy.	2	290.40	2	0.11
-	Vaughn Wy.	105th Wy.	104th Ave.	2	1,161.60	2	0.44
-	104th Dr.	Vaughn Wy.	Uvalda St.	3	501.60	2	0.19
-	Uvalda St.	104th Ave.	105th Ave.	2	633.60	2	0.24
-	Revere St.	104th Ave.	Turnberry Pkwy.	2	2,402.40	2	0.91
-	Turnberry Pkwy.	Hwy. 2	106th Pl.	2	1,478.40	2	0.56
-	108th Ave.	Potomac St.	Wheeling St.	2	933.00	2	0.35
-	Wheeling St.	106th Ave.	108th Ave.	2	1,110.00	2	0.42
-	106th Pl.	Turnberry Pkwy.	Wheeling St.	2	1,161.00	2	0.44
-			Sub Total:		96,854.80		44.99
-							

Area:	Street Name:	From:	To:	Priority:	Linear Ft.	# of Lanes	Lane Miles:
District 6							
	104th Ave.	Potomac St.	Landmark Dr.	1	10,560.00	2	4.00
-	104th Ave.	Landmark Dr.	E-470	1	7,520.00	5	7.12
-	Chambers Rd.	104th Ave.	120th Ave.	1	10,560.00	3	6.00
<i>Reunion North</i>							
<i>Buffalo Mesa</i>	Kittredge St.	104th Ave.	105th Ave. (round-about)	2	1,240.80	2	0.47
	105th Ave.	Kittredge St.	Memphis St.	2	1,235.00	2	0.47
	Memphis St.	105th Ave.	Heartland Dr.	2	1,424.00	2	0.54
-	105th Ave.	Memphis St.	Reunion Pkwy.	2	2,412.00	2	0.91
-	Olathe St.	105th Ave.	106th Pl.	2	842.00	2	0.32
-	106th Pl.	Olathe St.	Memphis St.	2	808	2	0.31
-	Landmark Dr.	104th Ave.	Parkside Dr. South	2	2,772.00	2	1.05
-	Reunion Pkwy.	Reunion Dr.	104th Ave.	2	844.80	2	0.32
-	East Parkside Dr. N.	Reunion Pkwy.	Landmark Dr.	2	343.20	2	0.13
-	Reunion Pkwy.	East Parkside Dr. N.	Reunion Dr.	2	1,452.00	2	0.55
-	Reunion Dr.	Landmark Dr.	Reunion Pkwy.	2	2,613.60	2	0.99
-	Heartland Dr.	Chambers Rd.	Landmark Dr.	2	1,874.40	2	0.71
-	Parkside Dr. South	Landmark Dr.	Reunion Dr.	2	2,349.60	2	0.89
-	Walden St.	104th Ave.	105th Ave.	2	765.60	2	0.29
-	Parkside Dr. North	Landmark Dr.	Reunion Pkwy.	2	1,970.00	2	0.75
-	105th Ave.	Walden St.	Reunion Pkwy.	2	560.00	2	0.21
<i>Reunion South:</i>							
-	Landmark Dr.	104th Ave.	Southlawn Pkwy.	2	3,590.40	2	1.36
-	Southlawn Pkwy.	Landmark Dr.	Southlawn Cir.	2	2,217.60	2	0.84
-	Reunion Pkwy.	Southlawn Cir.	104th Ave.	2	1,399.20	2	0.53
-	Southlawn Pkwy.	Southlawn Cir.	Walden St.	2	1,161.60	2	0.44
-	Walden St.	Southlawn Pkwy.	104th Ave.	2	1,900.80	2	0.72
-							

Area:	Street Name:	From:	To:	Priority:	Linear Ft.	# of Lanes	Lane Miles:
<u>District 6 Continued</u>							
<i><u>The Reserve at Buffalo Run:</u></i>							
-	114th Ave.	Chambers Rd.	Chambers Dr.	2	184.80	2	0.07
-	Chambers Dr.	114th Ave.	116th Ave.	2	1,214.40	2	0.46
-	116th Ave.	Chambers Dr..	Chambers Rd.	2	211.20	2	0.08
<i><u>Village at Buffalo Run</u></i>							
-	117th Ave.	Chambers Rd.	Fairplay St.	2	1,056.00	2	0.40
-	Fairplay St.	117th Ave.	118th Pl.	2	897.60	2	0.34
-	118th Pl.	Fairplay St.	Chambers Rd.	2	1,056.00	2	0.40
<i><u>Foxton</u></i>							
-	Blackhawk St.	104th Ave.	100th Ave.	2	2,640.00	2	1.00
-	100th Ave.	Blackhawk St.	Dillion Cir.	2	871.20	2	0.33
-	Dillion Cir.	100th Ave.	Sable Blvd.	2	580.80	2	0.22
-	Sable Blvd.	Dillion Cir.	104th Ave.	2	2,296.80	2	0.87
<i><u>Buffalo Run East:</u></i>							
-	117th Ave.	Chambers Rd.	Jasper St.	2	1,135.20	2	0.43
-	Jasper St.	117th Ave.	119th Ave.	2	1,425.60	2	0.54
-	119th Ave.	Jasper St.	Chambers Rd.	2	1,293.60	2	0.49
-	118th Ave.	Chambers Rd.	Chambers Dr.(round- about)	2	158.40	2	0.06

Area:	Street Name:	From:	To:	Priority:	Linear Ft.	# of Lanes	Lane Miles:
District 6 Continued							
<i>Outlook</i>							
-	Jasper St.	120th Ave.	121st Ave	2	633.60	2	0.24
-	121st Ave.	Jasper St.	Laredo St.	2	1,452.00	2	0.55
-	Laredo St.	121st Ave.	119th Ave.	2	1,293.00	2	0.49
-	Chambers Ave.	120th Ave.	121st Ave	2	633.60	2	0.24
-	121st Ave.	Chambers Rd.	Jasper St.	2	1,478.40	2	0.56
-	Hannibal St.	121st Ave.	122nd Ave.	3	633.60	2	0.24
-	122nd Ave.	Hannibal St.	Village Cir.	3	1,760.00	2	0.67
-	Village Cir.	121st Ave.	122nd Ave.	3	633.60	2	0.24
-			Sub Total:		85,956.00		38.83
-							

Area:	Street Name:	From:	To:	Priority:	Linear Ft.	# of Lanes	Lane Miles:
<u>District 7</u>							
-	96th Ave.	Highway 2	Buckley Rd.	1	20,064.00	2	7.60
-	Buckley Rd.	96th Ave.	88th Ave.	1	5,280.00	2	2.00
-	88th Ave.	Buckley Rd.	Tower Rd.	1	5,280.00	2	2.00
-	Tower Rd.	81st Ave.	120th Ave.	1	30,624.00	2	11.60
-	Chambers Rd.	96th Ave.	104th Ave.	1	5,280.00	2	2.00
-							
<u>Eagle Creek</u>							
-	Eagle Creek Pkwy.	96th Ave.	96th Ave.	2	3,009.60	2	1.14
-							
<u>Fronterra</u>							
-	100th Ave.	Chambers Rd.	Laredo Dr.	2	1,214.40	2	0.46
-	Laredo Dr.	100th Ave.	Laredo St.	2	1,267.20	2	0.48
-	Laredo St.	99th Ave.	96th Ave.	2	1,848.00	2	0.70
-	Jasper St.	96th Ave.	98th Ave.	2	1,320.00	2	0.50
-	98th Ave.	Jasper St.	Chambers Rd.	2	1,161.60	2	0.44
-	Nucla St.	96th Ave.	99th Ave	2	1,691.00	2	0.64
-	99th Ave.	Laredo St.	Nucla St.	2	1,030.00	2	0.39
-							
<u>Harvest Meadows:</u>							
-	101st Ave.	Chambers Rd.	Fraser St.	2	633.60	2	0.24
-	Fraser St.	102nd Ave.	100th Pl.	2	264.00	2	0.10
-	102nd Ave.	Fraser St.	Fairplay St.	2	211.20	2	0.08
-	Fairplay St.	102nd Ave.	100th PL.	2	422.40	2	0.16
-	100th Pl.	Fraser St.	Fairplay St.	2	211.20	2	0.08
-			Sub Total:		80,812.20		30.61
-			Grand Total:		536,918.75		242.33