



Winter 2023-2024: By the Numbers

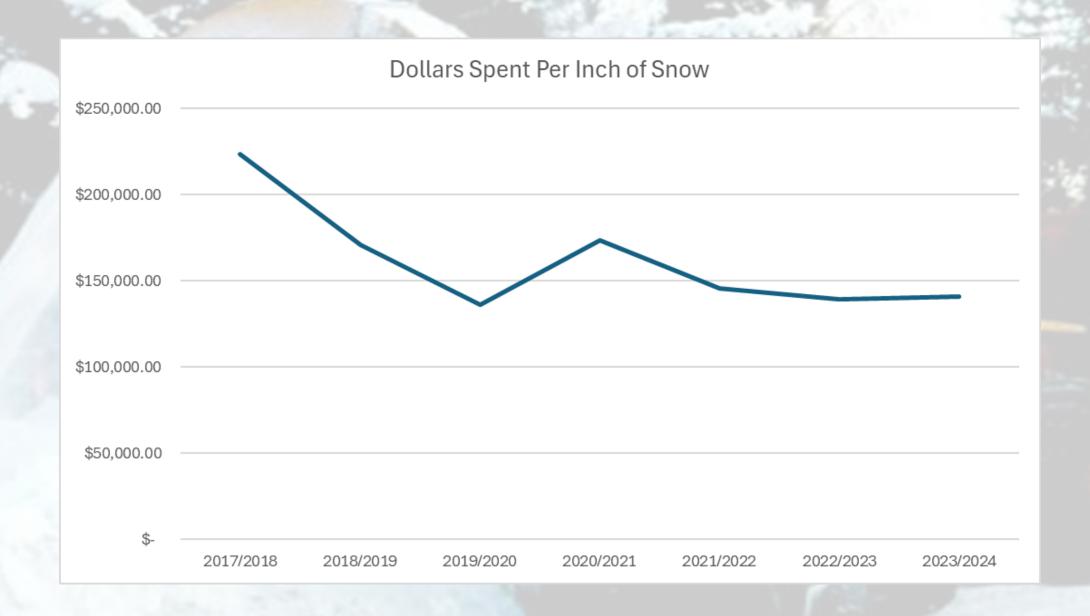
108,000 loads of snow hauled (10,000 from the Central Business District alone)

2,160,000 cubic yards of snow hauled to snow dumps (one cubic yard is roughly the size of a washing machine)

210 Hauling shifts (days and nights) worked in 130 days

By the Numbers: Five Year Perspective

Winter Season	2017/2018	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024
	Oct-Mar						
Amount Spent	\$ 13,047,919.42	\$ 11,104,072.46	\$ 12,058,386.80	\$ 12,019,578.77	\$ 13,015,969.54	\$ 15,031,322.72	\$ 18,776,892.68
Staffing	82	82	81	79	68	65	67
Snow In Inches	58.3	65	88.6	69.2	89.3	107.9	133.3
Contracted / Truck Load Cost	\$63.25	\$61.74	\$61.74	\$61.74	\$67.24	\$113.00	\$113.00
Total Truck Loads	35,348.00	39,436.00	49,403.00	62,798.00	63,125.00	96,249.50	108,039.25
Amount of Snow Hauled in Yards	706,960.00	788,720.00	988,060.00	1,255,960.00	1,262,500.00	1,924,990.00	2,160,785.00



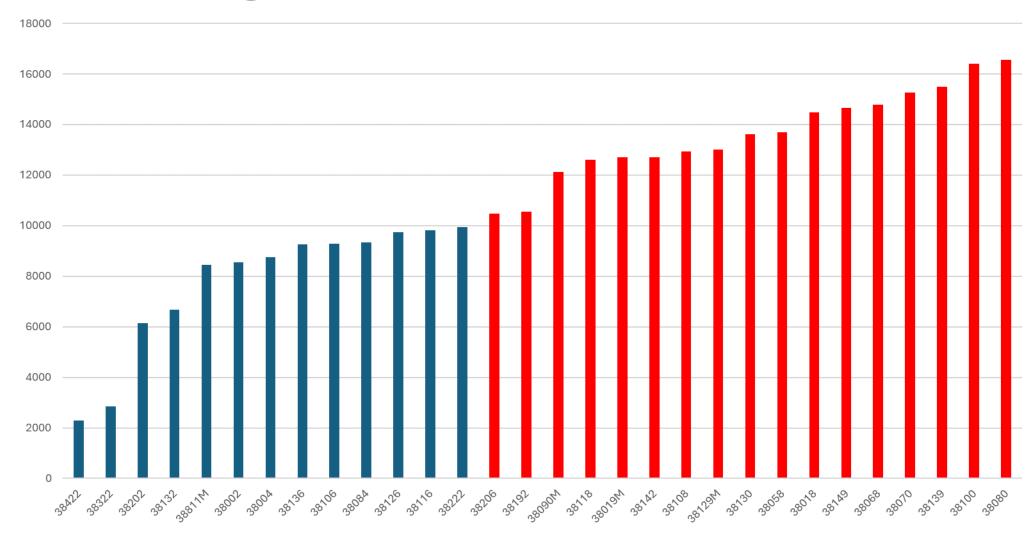
\$320,000

State of the Fleet

\$200,000

Graders (30)	Year	Hours	Dump Trucks (19)	Year	Miles	Loader (14)	Year	Hours	Trackless (14)	Year	Hours	Crew Trucks (14)	Year	Miles
38002	2002	8560	37417	1997	209878	38421	2001	8465	39397	2007	8902	37029	1999	10368
38058	2008	13686	37049	1999	84841	38103	2003	14779	39207	2007	8553	36012	2002	11276
38068	2008	14777	37039	1999	61767	38447	2007	13356	39387	2007	9779	37726	2006	
38108	2008	12942	37172	2002	238017	38437	2007	12963	39377	2007	6930	37736	2006	8160
38118	2008	12595	37162	2002	222284	38110	2010	10155	39069	2010	5486	32358	2008	
38018	2008	14483	37506	2006	185370	38143	2013	7849	39112	2022	1077	32498	2008	
38149	2009	14651	37456	2006	197645	38007	2017	6121	39102	2022	1096	32488	2008	17768
38019M	2009	12694	37027	2007	174936	38097	2017	4302	39092	2022	380	32261	2011	10843
38129M	2009	13006	37037	2007	191450	38159	2019	6198	39082	2022	776	32515	2015	11859
38139	2009	15484	37109	2009	187419	38169	2019	6078	39203	2023	483	32535	2015	13923
38070	2010	15267	37119	2009	167526	38150	2020	3203	39243 N	2023	751	36095	2015	11574
38080	2010	16555	37291	2011	139273	38160	2020	2646	39213	2023	375	32545	2015	15450
38130	2010	13612	37241	2011	161581	38140	2020	3085	39223 N	2023	370	36105	2015	13730
38090M	2010	12135	37231	2011	112517	38251	2021	1865	39233 N	2023	654	32575	2015	12235
38100	2010	16395	37312	2012	110456									
38811M	2011	8443	37322	2012	96568	Blower (10)	Year	Hours	Boiler Truck (7)	Year	Miles	Dozer (1)	Year	Hours
38132	2012	6673	37475	2015	112564	38120(LM)	2010	3498	39106	1986	64943	37029	2016	3221
38202	2012	6153	37495	2015	120050	38121(LM)	2011	3963	39110	1990	61587			
38192	2012	10546	37485	2015	138191	38131(LM)	2011	4178	37706	1996	167550	De-Ice Truck (1)	Year	Miles
38142	2012	12703				38212(LM)	2012	3248	37716	1996	144,704	37202	2002	72060
38084	2014	9326	Sanders (9)	Year	Miles	38162(LM)	2012	3633	37181	2001	162711			
38004	2014	8757	37182	2002	105842	38152(LM)	2012	4141	37088	2008	343337			
38126	2016	9739	37038	2008	166286	38172(LM)	2012	4245	37251	2011	132334			
38206	2016	10464	37048	2008	169234	38182(LM)	2012	4048						
38136	2016	9249	37271	2011	169450	38175(SP)	2015	2995						
38116	2016	9817	37311	2011	133833	38165(SP)	2015	3667						
38106	2016	9276	37261	2011	156012									
38322	2022	2853	37321	2011	127311									
38222	2022	9932	37281	2011	154638									
38422	2022	2281	37301	2011	121685									
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Engine Hours on MOA's 30 Graders



Maintenance & Operations Position Count by Job Classification as of 9/1/2024

Job Class				Regular Filled	Regular Vacant	Temporary Filled	Temporary Vacant		Vacancy Percent
Number	Job Class Title	Personnel Subarea	Pay Grade		Re	Te	Te	Total PCNs	۸a
20000523	Manager	Non-Represented	GRD18	2	0	0	0	2	0.00%
20000509	Superintendent	Non-Represented	GRD17	2	0	0	0	2	0.00%
20000481	General Foreman	Non-Represented	GRD16	0	1	0	0	1	100.00%
20000462	Street Maintenance Supervisor	Non-Represented	GRD15	6	0	0	0	6	0.00%
20000463	Maintenance Supervisor	Non-Represented	GRD15	3	0	0	0	3	0.00%
20000161	Heavy Equipment Operator Leadman	Op Engr 302	GRD19	5	0	0	0	5	0.00%
20000155	Heavy Equipment Operator	Op Engr 302	GRD18	28	0	0	0	28	0.00%
20000152	Medium Equipment Operator	Op Engr 302	GRD17	29	7	0	9	45	35.56%
20000146	Light Equipment Operator	Op Engr 302	GRD11	3	7	0	12	22	86.36%
20000163	Equipment Operations Technician II	Op Engr 302	GRD20	1	0	0	0	1	0.00%
20000154	Equipment Operations Technician I	Op Engr 302	GRD18	3	0	0	0	3	0.00%
20000159	Warehouseman Journeyman	Op Engr 302	GRD18	1	0	0	0	1	0.00%
20000144	Airport Maintenance Assistant	Op Engr 302	GRD07	2	0	1	1	4	25.00%
20000375	Expeditor	IBEW-Technician	GRD18	1	0	0	0	1	0.00%
20000376	Lead Equipment Technician	IBEW-Technician	GRD18	2	0	0	0	2	0.00%
20000377	Equipment Technician/Welder	IBEW-Technician	GRD18	1	1	0	0	2	50.00%
20000372	Parts Warehouser	IBEW-Technician	GRD17	2	0	0	0	2	0.00%
20000373	Body Repair Technician	IBEW-Technician	GRD17	2	0	0	0	2	0.00%
20000374	Equipment Technician	IBEW-Technician	GRD17	11	5	0	0	16	31.25%
20000370	Equipment Service Technician I	IBEW-Technician	GRD15	0	2	0	0	2	100.00%
20000371	Equipment Service Technician II	IBEW-Technician	GRD16	2	1	0	0	3	33.33%
20000380	Seasonal Parks Caretaker I	Local 71	GRD06	0	0	1	2	3	66.67%
20000384	Seasonal Parks Caretaker II	Local 71	GRD10	0	0	1	0	1	0.00%
			Total PCNs	106	24	3	24	157	30.57%

2024-2025 Plan

Incremental Progress: 7 Offers in Process

2024-2025 Plan: Fleet



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MUNICIPALITY OF ANCHORAGE # 10.C.1.

ASSEMBLY MEMORANDUM

AM No. 685-2024

Meeting Date: September 10, 2024

FROM: MAYOR

replacement capital budgets.

SUBJECT: COOPERATIVE PURCHASE FROM N C MACHINERY (NC) THROUGH STATE

OF ALASKA CONTRACT #: CA2403-24 FOR THE PURCHASE OF THREE CATERPILLAR MOTOR GRADERS FOR THE MUNICIPALITY OF ANOTORIOGO (MOO), MOUNTED & OPERATIONS (M&O) (NOT TO

EXCEED (NTE) \$948,567.00).

M&O is requesting approval of a Cooperative Purchase from NC, through State of Alaska Contract #: CA2403-24, for three new Caterpillar 140M Motor Graders, in the NTE amount of \$316,189.00 each, for a total of \$948,567.00. Delivery of this equipment is expected by the Fall of 2025.

This equipment will replace three existing graders that have reached the end of their useful life and are consistent with Fleet Management's requiar equipment replacement schedule. Street Maintenance Operators and Fleet Maintenance Technicians have abundant experience in the operation, maintenance, and repair of this equipment. This equipment will be primarily used in support of the MOA's snow removal efforts. Funding will be accomplished using a combination of funds from a voter-approved ARDSA bond, and 2022 and 2023 Fleet equipment



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MUNICIPALITY OF ANCHORAGE

ASSEMBLY MEMORANDUM

No. AM 705-2024

Meeting Date: September 10, 2024

FROM: MAYOR

SUBJECT: A

A RESOLUTION OF THE MUNICIPALITY OF ANCHORAGE APPROPRIATING THREE MILLION SEVEN HUNDRED FIFTY THOUSAND DOLLARS (\$3,750,000) FROM THE EQUIPMENT MAINTENANCE FUND (601000), UNRESTRICTED NET POSITION, APPROPRIATING SEVEN HUNDRED FIFTY THOUSAND DOLLARS (\$750,000) TO THE 2024 OPERATING BUDGET EQUIPMENT MAINTENANCE FUND (601000) AND APPROPRIATING THREE MILLION DOLLARS (\$3,000,000) AS A TRANSFER TO THE EQUIPMENT MAINTENANCE CAPITAL IMPROVEMENT PROJECTS (CIP) FUND (601800), MAINTENANCE & OPERATIONS DEPARTMENT, FOR REPAIR AND REPLACEMENT OF GENERAL GOVERNMENT

EQUIPMENT.

The attached resolution appropriates \$3,750,000 from the Equipment Maintenance Fund (610000), Unrestricted Net Position, appropriating \$750,000 to the 2024 Operating Budget Equipment Maintenance Fund (601000) and appropriating \$3,000,000 to the Equipment Maintenance CIP Fund (601800) for repair and replacement of general government equipment.

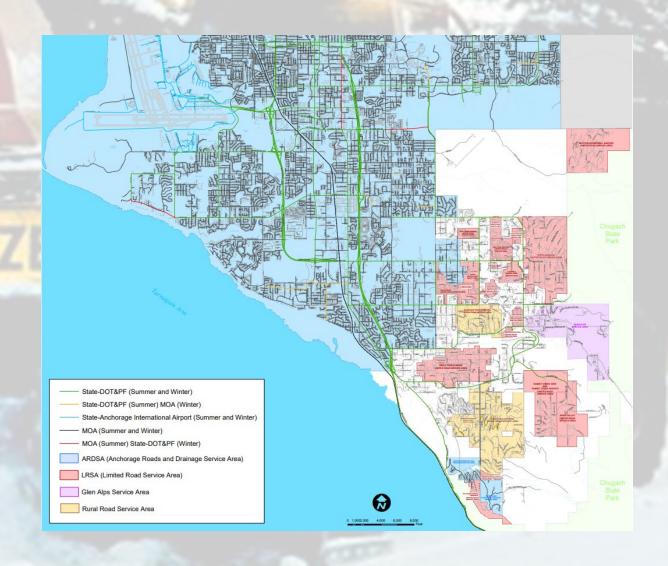
The rising cost of parts and services along with supply chain shortages has created a budget shortfall in Fleet maintenance operating budget since 2022. Fleet maintenance received a supplemental budget appropriation of \$500,000 on AR 2022-284 in 2022 and a supplemental appropriation of \$750,000 on AR 2023-255 to cover the rising cost of repair costs for the municipal general government equipment. This appropriation is requesting \$750,000 to the 2024 Operating Budget to cover repair costs for the remainder of the year.

The Equipment Maintenance Fund (601000) has unrestricted net position funding available in the amount of \$3,000,000 that fleet maintenance is requesting to utilize to supplement the annual \$2,300,000 of replacement funds in 2024. The table below provides summary detail of the proposed use of the supplemental funding. If any of the equipment listed below is no longer available or if any funds remain after these acquisitions, the next highest priority vehicle or equipment on the replacement schedule will be procured as funds allow. After the invitation to bid and the contract award process is complete, delivery of the vehicles or equipment will range from 90 to 300 days.

Quantity	Description	Amount
10	4x4 Pickups with Plows	\$750,000
1	Vacuum Truck (Vactor)	\$750,000
1	Sander Truck w/ Belly Blade and Plow	\$600,000
3	Motor Graders	\$900,000

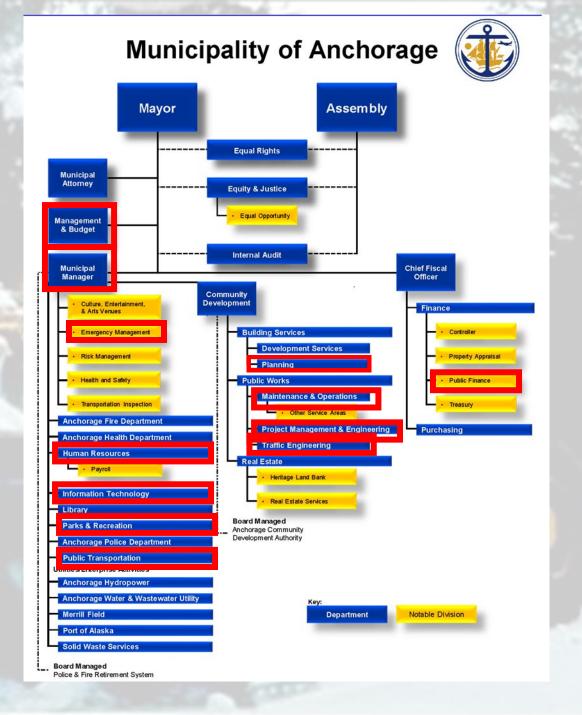
2024-2025 Plan: Coordination

- Expanding pre-season collaboration from operational to policy level on shared issues including:
 - Bus stops
 - Timing of street vs. sidewalk clearing
 - Tweaks to existing TORA agreements
 - Process for addressing 2024-2025 issues
 - Possible adaptation of service-level commitments in significant snow events
- Proactive pre-season coordination with:
 - Anchorage Downtown Partnership
 - Anchorage School District
 - AK DOT



2024-2025 Plan: Coordination

- 12 departments engaged
- Cross-functional working group divided into workstreams to address goals



2024-2025 Plan: Planning

SNOW & ICE

CONTROL

PLAN

Winter 2023-2024

E. SNOW AND ICE ALERT RESPONSE LEVELS

Designated snow routes have been determined by traffic volume, public transit routes, school bus routes, hospitals, schools, and hazards such as hills, curves and intersections. In the Central Business District, special parking restrictions also go into effect. In a Level 1 response, snow routes, sidewalks and the CBD are plowed while residential streets are plowed under Level 2 and Level 3 responses.

1. Level 1 (zero to four-inch snowfall):

Snow routes will normally be plowed using underbody truck plows mounted on dump trucks and aggregate hauling trucks. When required, aggregate placement and sidewalk plowing will be done simultaneously with plowing.

2. Level 2 (four or more inches of snow):

All Level 1 activity continues. Graders with gates will plow all residential streets. Once the snow has stopped falling a plow out will be declared, with a goal of plowing all residential streets within 84 hours.

The Manager of Street Maintenance has the authority to manage and augment the amount of equipment and personnel engaged in storm activities using additional contracted equipment or other Municipal agency resources to meet necessary time frames.

The Municipal Manager or a designee also has authority to implement certain provisions of the emergency parking ordinance, including the authority to direct APD to tow illegally parked vehicles to allow plowing operations to proceed.

3. Level 3 (Snow Emergency):

When Street Maintenance is unable to maintain roads at an acceptable level, the Mayor may declare a snow emergency. A Level 3 response will constitute maximum effort in providing all available resources (private and public) to clear roadways.

2024-2025 Plan: Communication



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MUNICIPALITY OF ANCHORAGE # 10.D.4.

ASSEMBLY MEMORANDUM

AM No. 689-2024

Meeting Date: September 10, 2024

FROM: MAYOR

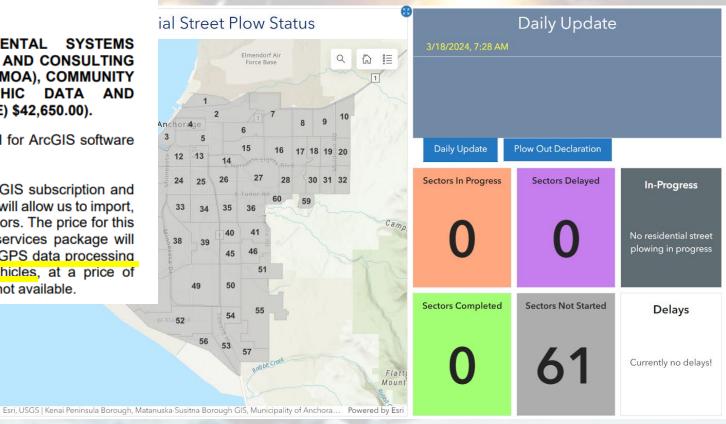
SUBJECT: SOLE SOURCE PURCHASE FROM ENVIRONMENTAL SYSTEMS

RESEARCH INSTITUTE, INC. (ESRI) FOR SOFTWARE AND CONSULTING SERVICES TO THE MUNICIPALITY OF ANCHORAGE (MOA), COMMUNITY DEVELOPMENT DEPARTMENT (CD), GEOGRAPHIC DATA AND

INFORMATION CENTER (GDIC) (NOT TO EXCEED (NTE) \$42,650.00).

The GDIC is requesting approval of a Sole Source purchase from ESRI for ArcGIS software and consulting services, in the NTE amount of \$42,650.00.

This purchase includes the ArcGIS Velocity add-on for our existing ArcGIS subscription and remote consulting. The ArcGIS Velocity add-on is a one-year license that will allow us to import, visualize, analyze, store, and use data from Internet of Things (IoT) sensors. The price for this add-on is \$20,300.00 for a one-year license. The remote consulting services package will provide 60 hours of remote consulting for the development of real-time GPS data processing for Street Maintenance and Parks and Recreation snow removal vehicles, at a price of \$22,350.00. An alternative technology platform with the same capability is not available.



2024-2025 Plan: Bright Ideas

