Streets Led by: Director of Mobility

Service Description

Our streets connect people and places throughout Calgary. We drive, walk, cycle and ride every day to and from work or school, for social or recreational activities, and to move goods and services. Streets provide critical access for emergency services and rights-of-way for all underground and overhead utilities. We provide space for on-street parking which supports businesses and residential users. We also support The City's efforts to reduce greenhouse gas emissions.

Streets are Calgary's most abundant public space, and we support nearly every service The City of Calgary provides to Calgarians.

Service Updates

Key Service Results

Awards

Consulting Engineers of Alberta Award of Excellence for Transportation Structures Service activities included project planning, design, construction, operations & maintenance, risk assessments, community engagements, safety campaigns, innovative initiatives, and environmental considerations to enable the movement of people and goods. The Spring Clean-Up program swept debris off more than 16,000 km of paved lanes and the Paving Program paved more than 150 locations. Over 33,000 potholes were repaired in 2023 due to continuous freeze and thaw cycles, in comparison with approximately 16,000 potholes repaired in 2022. Other service accomplishments include implementation of the popular Seasonal Patio Program, critical streetlight pole replacements, mobility and detour support for transit-related construction and closures, and supporting the completion of slope remediation design.

Ongoing and completed major mobility construction work include 17 Ave SW Phase 2 and 144 Ave NW projects, completion of Banff Trail Area Improvements, completion of the downtown flood barrier and public realm improvements. Innovative enhancements also included the use of ground penetrating radar equipment and implementation of an artificial intelligence adaptive signal system.

Service Challenges

When maintenance work is scheduled, street infrastructure such as roads and bridges may require closures and detours, and the disruption to service availability for impacted areas can be challenging. The service also faced challenges pertaining to streetlight maintenance service level agreement response times, acquiring adequate funding and resources to provide service for a continually growing network, and changes to internal processes due to the organizational realignment. These challenges impact other processes and construction projects in terms of coordination and consistency.

Projects with dependencies on other projects or other criteria presented complexities regarding scope and increased the lead times required for construction planning, procurement, and project delivery. Other service challenges included difficulties procuring materials and equipment due to inflation, increased material & construction costs, supplier availability, and contractor availability.

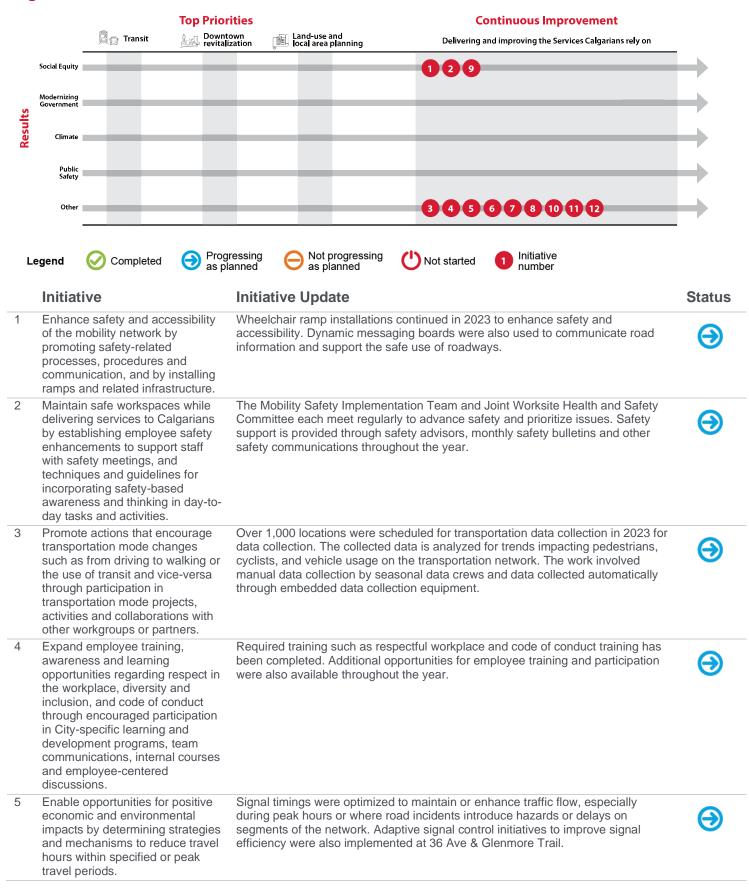
Trends & Potential Uncertainties

Material, equipment, and general procurement delays continue to present uncertainties regarding project commencement and could cause delays during construction. Inadequate funding and potential budget adjustments could impact operations and delay major rehabilitation projects into the next budget cycle. Traffic detour arrangements could delay projects and project priority conflicts may arise. There are higher service level and communication expectations from Calgarians. Changes to traffic control procedures also trends towards creating strains on industry resources, impact project schedules and increase costs. Additionally, project scheduling uncertainties are impacting timelines and deliverables that involve third-party utilities (e.g., utility adjustments, crossing agreements, etc.).



Progress on Service Delivery

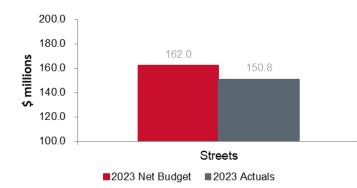
Alignment with Council Refined Priorities and Result Areas



	Initiative	Initiative Update	Status
6	Minimize construction costs and interruptions to the public or to traffic flows through enhanced or continued engagement, collaboration and coordination with internal and external groups.	Project teams are adapting to the realigned organizational structure and using early planning and engagement strategies to enable efficiencies with both internal and external project-related workgroups.	Ə
7	Improve work efficiency, lower costs, generate savings and maintain or improve levels of service and overall service delivery by researching, exploring and implementing technologies that provide efficiencies and solutions.	Various work efficiencies aimed at lowering costs, enhancing environmental sustainability, and improving service levels were explored and implemented, including ground compaction projects and the adoption of pre-washed aluminum material.	()
8	Provide longer lasting roadway results and less invasive roadway repair activities by utilizing efficient roadway-associated repair and rehabilitation methods such as narrow trenching for utility work and durable pothole repair patches.	Over 33,000 potholes were repaired in 2023 and alternative pothole repair materials were explored. Warm Mix Asphalt (WMA) for roadway paving also presented a viable alternative to the use of typical asphalt. About 22,000 tons of WMA was used, which is approximately a 20% reduction in temperatures normally used with typical asphalt mixes.	Ə
9	Maximize the useful life of roadway assets by continually monitoring and managing asset lifecycles, planning for timely maintenance, making the best use of resources, proactively procuring materials and implementing efficient asset rehabilitation and replacement activities.	Lifecyle planning continues for mobility assets. Asset condition, levels of service and replacement costs are also used to establish baselines and track investment needs. Long-term asset management planning is communicated to optimize the useful life of infrastructure and support asset maintenance, rehabilitation, and replacement.	(
10	Eliminate or minimize procurement-related disruptions by continuing to work with Supply Management and other internal teams/resources, and external groups and partners including contractors, vendors and consultants to conduct procurement in a timely manner.	Project teams emphasized collaboration and communication to avoid procurement disruptions and delays. Processes such as the new centralized vehicle and equipment coordination model were also established with procurement partners.	Ə
11	Enable appropriate adjustments as a result of emerging trends regarding the use of streets by engaging and working with various groups to better understand and incorporate transportation data and street- use feedback.	Travel trends and insight was achieved through consistent data collection by mobility data collection teams. A travel log survey was used to gather data from Calgarians regarding how they move through the network.	()
12	Eliminate work duplications and maximize efficiencies with other workgroups by exploring other channels of efficiencies related to working with colleagues and partners, to develop strategies and achieve common goals.	As new organizational structures were established through organizational realignment, workgroups established team norms and explored enhanced processes to introduce or improve efficiency. Examples include procurement processes and centralized vehicle and equipment training models.	Ə

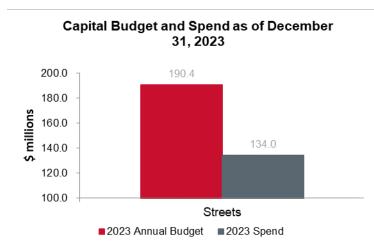
Service Updates on Financial Performance

Net Operating Budget and Actuals as of December 31, 2023



Operating Budget Updates - 2023 net operating budget vs actuals:

The streets service's operating financial spending was \$11.2 million less than budget. Winter operational expenses were below budget mainly due to mild weather conditions. Lower spending occurred in the service's operations due to reduced contract work for signals construction and signs, and there were higher costs for vehicle and equipment, asphalt for surface overlay, and aggregate materials. Favourable revenue from plant sales, degradation fees, and the Community Aggregate Payment (CAP) levy was offset by lower parking enforcement revenue attached to the Spring Clean-up program.



Capital Budget Updates - 2023 total capital budget vs 2023 spend:

The streets service capital spend rate was 70.4 per cent as of December 31, 2023. Ongoing investments and deliverables include Stoney Trail improvements at 11 Street NE Interchange and 80 Ave Flyover, 144 Ave NW Improvements at West Nose Creek, streetlight upgrades including the replacement of 1,200 critical poles, major bridge rehabilitation and repairs, traffic signal replacements and pedestrian Rectangular Rapid Flashing Beacon installations. Sixteen lifecycle projects were completed for traffic signals. However, changes in the signal construction industry and unavailability of contractors impacted program spending and caused project delays.

In accordance with the Calgary Safer Mobility Plan and ongoing safety improvements, capital budget spending included permanent curb extension projects, smart right turns, left turn improvements, and signal projects. The capital program involving property acquisition for future projects experienced delays due to ongoing land negotiations. Pavement rehabilitation projects were also postponed to 2024 due to challenges related to supply processes and traffic detours. Plus 15 bridge accessibility improvements were completed at 26 locations, and service monitoring continues for procurement, project schedules, and contractor capacity.