



PUBLIC WORKS 2021

Public Safety | Livability | Sustainability
Innovation & Organizational Excellence
Outreach, Collaboration & Engagement
Infrastructure & Transportation
Fiscal Stability & Strength

Welcome

Forward 2021

It is my great pleasure to present the 2021 Public Works Year in Review report. The efforts and accomplishments put forth in the face of extraordinary challenges continue to be a source of great pride for me and for all our Public Works colleagues.

As the COVID 19 pandemic stretched well into its second year, Public Works responded with a strengthened commitment and resolve to continue delivering key services to the Loveland community and to the City of Loveland organization. In short, Public Works never stopped doing the things that the Loveland community needs and expects. Roads were cleared after record-setting snow storms, trash and recycling was picked up without delay, roads and traffic signals were maintained and improved, and COLT buses provided critical mobility options to those needing it the most. Our City's fleet of vehicles, especially those of our emergency first responders were kept operating in top condition, and our City facilities were kept as safe and clean as possible for employees and citizens alike.

Public Works' efforts and impacts did not stop at our usual and customary responsibilities. 2021 also saw our teams rise up to meet unanticipated emergencies and needs. Public Works Stormwater Crews responded to emergency rescue and recovery operations to try and save trapped lives, and Snow Removal Teams dug out stuck emergency ambulances in order to get a critical condition patient to the emergency room in time to save a life. Our Traffic Operations Engineers developed special event traffic plans to help safely move thousands of motorists in and out of events such as July 4th celebrations and a major Air Show at the Northern Colorado Regional Airport.

This is the City of Loveland Public Works' greatest strength. We show up no matter what and do whatever is needed.

We are proud to highlight the many services, programs and projects our team of dedicated employees provided the Loveland community this past year. Public Works takes great pride in being good stewards of the public trust and funds for the community we serve. Our commitment to the Loveland community is clear and consistent: We will provide a safe, clean, efficient, and effective community in which we can all work, play, and live now and into the future.



Mark Jackson, Director
City of Loveland
Public Works Department

Public Works provides planning, design, construction, and maintenance services for the public infrastructure, including fleet maintenance and facility maintenance services for the City of Loveland's internal operations.

Public Services includes: transportation system design, street construction and inspection, pavement management, traffic engineering and installation, operation and maintenance of traffic signals, signs and pavement markings; stormwater collection system design and maintenance; street maintenance and repair; snow and ice removal; transit services; solid waste management and recycling and mosquito control.



**PUBLIC
WORKS**

Administrative Services
Facilities Management
Fleet Management
Solid Waste

Stormwater
Streets Maintenance
Transit
Traffic Operations

Transportation Engineering
Transportation Development,
Policy and Planning

30,399

SERVICE CALLS IN 2021
83 DAILY AVERAGE



158

FULL-TIME
EMPLOYEES



Financials 2021

Expenses

Public Works has a \$60 million annual operating budget, including capital expenses.

General Fund \$33,449,767.81

45.4% Capital Outlay

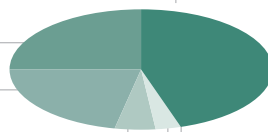
25.2% Personnel Costs

21.3% Professional Services

5.0% Supplies

2.9% Transfers

0.2% Debt Service



Stormwater Enterprise Fund \$6,688,100.22

33.8% Capital Outlay

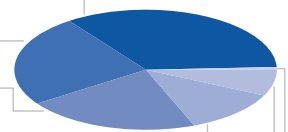
24.3% Personnel Costs

21.3% Depreciation

11.8% Payment in Lieu of Tax

8.1% Professional Services

0.6% Supplies



Vehicle Maintenance \$7,281,875.13

37.7% Supplies

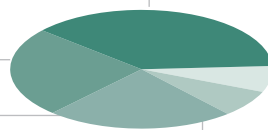
24.5% Depreciation

23.3% Personnel Costs

7.3% Professional Services

7.1% Transfers

0.0% Debt Service



Solid Waste Enterprise Fund \$8,778,860.92

37.2% Professional Services

32.6% Personnel Costs

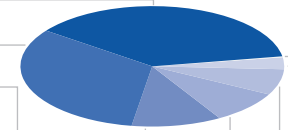
11.1% Depreciation

8.8% Transfers

6.9% Payment in Lieu of Tax

3.2% Supplies

0.2% Debt Service



Revenue

Public Works receives funding from a variety of sources, including HUTF, FASTER, service fees, General Fund Revenues, and state and federal grants.

General Fund \$26,944,154.03

Transfers from Other Funds 51.4%

Transportation Fee 15.1%

Federal & State Grants 14.5%

Transportation Tax 11.9%

Streets & Traffic Maintenance 3.7%

Contributions 1.9%

Rent & Association Income 0.8%

Transit Fee Income 0.3%

Miscellaneous Other Income 0.3%

Internal Service Fund \$5,436,186.31

Charges for Services 99.8%

Interest 0.2%

Stormwater Enterprise Fund \$10,794,299.19

Fees 78.2%

Contributed Assets 17.9%

Plan Investment Fees 3.9%

Federal and State Grants 0.0%

Transfers 0.0%

Solid Waste Enterprise Fund \$9,588,650.76

Trash Fees 45.4%

Recycling Fees 31.9%

Yard Waste Fees 21.4%

Mosquito Control 1.3%

Divisions

Transportation Engineering

US 34 Widening

Estimated Project Cost: \$8 million

Surface Transportation Block Grant, General Fund, Capital Expansion Fees

This phase of the US-34 widening project, completed in the fall of 2021, widened 1.2 miles of US Highway 34, between Denver Avenue and Boyd Lake Avenue. The project included the addition of a third travel lane in each direction, center median curb and gutters improvements, turn lane additions and extensions, improved bike lanes, and new sidewalks. This regional highway has experienced traffic growth and congestion, particularly in the eastern portion of the community. The improvements will provide more capacity for all travel modes, resulting in reduced congestion and associated accidents. Future phases remaining include widening to Rocky Mountain Avenue in both directions, beginning in late 2022, as well as the widening from Centerra Parkway to County Road 3, which is not currently scheduled.



455 | MILES OF ROADWAY MAINTAINED IN THE CITY
Reconstruction \$41.16 per square yard, Chip Seal \$2.98 per square yard

Streets Maintenance

The Streets Maintenance Division's activities include street patching and repair, minor asphalt overlays, asphalt milling, crack-sealing, alley and road shoulder maintenance, roadside mowing and weed spraying. The Division provides major support for the annual Street Resurfacing Program - a citywide street reconstruction and resurfacing program planned and managed by the Transportation Engineering Division. Streets is also responsible for winter roadway maintenance. Crews plow snow, apply de-icing and anti-icing chemicals, load and haul snow/ice from the downtown district and other confined areas, and clear designated sidewalks.








16 | SNOW PLOWS
+2 Pick-ups



Divisions


COLT Transit

City of Loveland Transit (COLT) provides safe and timely transportation for all those visiting or living in Loveland. COLT offers five fixed routes that service Loveland and works with regional partners to provide the FLEX route throughout the Northern Front Range (Fort Collins to Boulder). Paratransit services are also available to residents that qualify for the service.

72,999	FIXED-ROUTE BUS RIDES	
273,319	FIXED-ROUTE OPERATING MILES	
12,730	FIXED-ROUTE YOUTH RIDERSHIP	
6,828	PARATRANSIT TRIPS	
46,187	PARATRANSIT OPERATING MILES	

Traffic Operations

Estimated Project Cost: \$145,000

28,022	TOTAL NUMBER OF TRAFFIC SIGNS	
97	SIGNALIZED INTERSECTIONS	

General Fund

Adaptive signal technology adjusts signal timing to accommodate changing traffic patterns. The system automatically increases or decreases green times as traffic volumes change. Longer green times increase capacity for a given movement and shorter green times reduce intersection delay when there is less traffic. These changes result in improved overall intersection efficiency.



Loveland's Crossroads Boulevard corridor was selected as a test location for an adaptive signal system because of the large facilities in area (Larimer County Fairgrounds (the Ranch), Resurrection Christian School, Power2Play, Walmart Distribution Center, etc.) that create event traffic with difficult to predict peaks. Corridors with unpredictable traffic volumes are ideal candidates for this technology.

This technology was used during the fireworks show for July 4th, as well as the air show in October under full capacity. These events brought thousands of vehicles to the fairgrounds and surrounding areas. The adaptive system worked as expected and traffic was cleared within an hour after each show.

Due to the success of this technology, the City will be investing in this technology on the US 34 and US 287 corridors in the next two years.

Divisions

Fleet Management

Fleet Management is a full-service provider to the City of Loveland's operating departments and to the Loveland Fire and Rescue Authority (LFRA). Functional programs within the division include Fleet Administration, Maintenance Operations, and Inventory Control. The Division also manages the future replacement of General Fund vehicles and equipment. Replacement parameters are established based on vehicle age, utilization and operating costs.



683

VEHICLES, TRAILERS
AND EQUIPMENT



41

ALTERNATIVE-FUEL
VEHICLES (Electric, Hybrid & CNG)

Fuel Diversification

City of Loveland expanded the fleet fuel diversification in 2021 by adding four Compressed Natural Gas (CNG) snow plows to the operations, along with four solid waste collection vehicles. CNG is a well-established fuel technology and is less expensive to run than diesel engines. The vehicles are also better for air quality, a factor the City must consider with each new vehicle purchase. There is a wide opportunity for City vehicles to operate with CNG, unlike many of the newer technologies such as electric or hydrogen, which are still unavailable for heavy duty vehicles at this time. The City will continue to watch the progress in these areas, but staff is excited to see the options CNG will bring. Additional CNG COLT buses, solid waste trucks, and snow plows will be added as replacements are needed in the coming years.

Facilities Management

Facilities Management is responsible for the maintenance and operation of over 1 million square feet of city facilities. Focus of the division is on uninterrupted operation, safety, convenience, and comfort of facilities for the citizens and staff. The division provides day-to-day support, preventative repairs as well as long-term capital replacement programs, capital projects, and project management for new construction.

1,053,600 SQ.FT.

TOTAL SPACE OF PUBLIC BUILDINGS
WE MANAGE AND MAINTAIN



Divisions

Solid Waste



In June of 2021, the Solid Waste Division started a new program at the Loveland Recycling Center, collecting mattresses and box springs for a nominal fee. Although things started slowly, once the word started to get out, mattresses started to come in more steadily. During

the 7-month period from June 1, 2021 through December 31, 2021, staff collected and recycled approximately 450 pieces total, averaging about 65 pieces per month that were no longer being sent to the landfill.

26,941	TRASH STOPS EACH WEEK
1,314	NEW HOMES ADDED
57.6%	WASTE DIVERSION
28,729	RECYCLING STOPS (Bi-Weekly)
144,779	RECYCLING CENTER CUSTOMERS



Stormwater

S. Loveland Outfall

Total Project Cost: \$9.6 million

Stormwater Enterprise Fund

After two years, and three separate phases, the South Loveland Outfall project in the Sherri Mar Subdivision was completed. This multi-year stormwater project included replacing over 11,000 feet of pipe, 66 manholes and 44 inlets to provide between 2 and 10-year rain storm protection throughout the neighborhood. Public Works staff worked internally with the Transportation Engineering team to replace broken and hazardous sidewalks as well as installing a

new overlay or full street replacement when underground work was complete. The team also worked with Water and Power to replace water and sanitary sewer lines wherever storm-sewer was installed. This multi-Department cooperation replaces aging infrastructure, eliminating the need to repair water leaks for many years.

116 | MILES OF PUBLIC STORMWATER PIPES



31 | MILES INSPECTED IN 2021



2,876 | PUBLIC STORMWATER INLETS



1,601 | PUBLIC STORMWATER MANHOLES



36 | PUBLIC DETENTION PONDS





PUBLIC WORKS 2021

For More Information Visit
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