



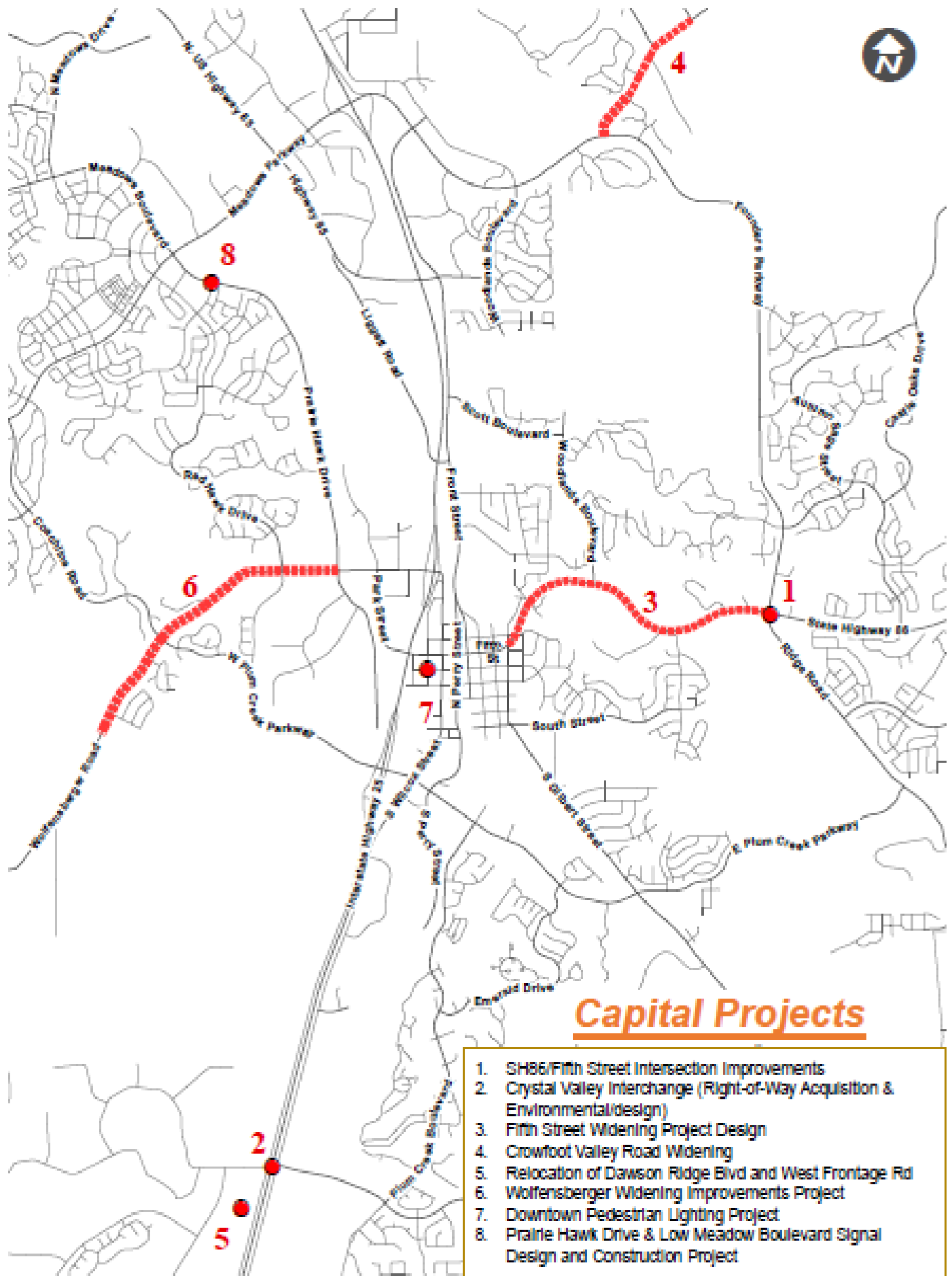
Monthly Report

January 2025

The Public Works Department operates under the **CAN DO** philosophy – We are committed to doing the job right with a positive attitude while staying dedicated to meeting the needs of our Town values and continually searching for opportunities to improve.

PW Mission: To provide outstanding service, safety and support for transportation infrastructure and maintenance.





1. Founders Parkway (SH86)/Fifth Street Intersection “Four Corners” Improvements – This project will enhance one of the primary intersections in Town. Founders Parkway, SH-86, Ridge Road and Fifth Street intersect at the project location. Each leg of the intersection is classified as a major arterial facility and the intersection is currently operating above its capacity. The improvements this project will implement include:

- Intersection will remain a full movement four-way intersection. Additional turn lanes and acceleration lanes will be added.
- Traffic signal improvements will be made to incorporate the larger intersection.
- Pedestrian and bicycle improvements will be constructed on all four sides of the project.
- Stormwater detention and water quality improvements will be constructed to capture the additional surface volume from the new intersection.

Phase: Construction

- Roadway has been opened
- Liquidated damages continue to be assessed until shoring area is remedied by contractor per engineer of record’s recommendation
- Driveway access signs have been made and installed per the request of Emmaus Church
- Coordination with post office to move mailboxes from Fifth onto private drive south of Fifth per resident’s request
- Project will be completed within budget

Budget: \$12,400,000

Targeted Construction Completion: Winter 2024

2. Crystal Valley Interchange – Construction Activities – The purpose of this project is to build an interchange with I-25 in the southern end of Town which will reduce congestion at the Plum Creek interchange, on S. Wilcox and the E. Frontage Rd., and improve access to the highway for Crystal Valley Ranch, Montaine, and the future Dawson Trails developments.

Phase: Construction—Package 1

Budget: \$17,196,090.70

- Package 1 is nearing substantial completion
- Remaining finish grading, stabilization and trail improvements remain.
- Kraemer plans to request substantial completion in February - March of 2025
- Package 1 will be completed within budget

Phase: Construction—Package 2

Budget: \$78,400,000 total Construction funding

- Pile driving is wrapping up on west abutment
- Abutment 1 on eastside is being formed and poured
- Pier 3 is complete and pier cap on pier 4 is being poured first week of February
- MHT’s for girder set have been approved by Town, awaiting CDOT approval
- Outreach will occur in early February for upcoming closures

- Storm sewer installation continues on westside for the new portion of Dawson Trails Blvd

Targeted Construction Completion: Summer 2027

3. Fifth Street Widening—Pre-construction – Fifth Street is a major arterial connecting local and regional travel between the easterly portions of Town and I-25. Roadway and pedestrian improvements for Fifth Street have been identified within the 2017 Transportation Master Plan (TMP) that will maintain adequate capacity and ensure efficient road network connections for future development.

The Fifth Street Widening Project will complete all design elements for implementation of the fully built-out transportation network from South Gilbert Street to Ridge Road in two separate construction phases. The improvements include:

- Widen to 4-lanes from Woodlands Boulevard to Ridge Road
- Add on-street bike lanes between Gilbert Street and Ridge Road
- Add sidewalks from Sixth Street to Ridge Road
- Roundabout and signal light construction at Woodlands Boulevard and Valley Drive respectively.

Phase: Design & ROW

- Continued to refine construction documents addressing CDOT, and stakeholder comments
- Negotiations with a number of property owners continue for purchase of properties
- Went under contract for the purchase of 6 properties
- Closed on four property acquisitions
- Continue utility coordination for relocations

Budget: \$3,200,000

Design Completion: April 2025

Right-of-way acquisition: February 2025

***Targeted Construction Completion:** Phase 1: Late 2026, Phase 2: Late 2029

4. Crowfoot Valley Road Widening – This project involves the widening of Crowfoot Valley Road from the intersection of Knobcone Drive to the Town boundary. The objective of this project is to reduce congestion due to current and forecasted traffic volumes, as well as safety improvements for both vehicles and pedestrians alike. The project will include:

- Roadway widening to four through lanes
- Right and left turn auxiliary lanes where warranted
- Signal at Sapphire Pointe intersection
- Complete sidewalks throughout the project corridor

Phase: Design & ROW

- Went under contract with two property owners along project for needed right of way and easements
- Continued negotiating with two property owners for purchase of land and easements
- Continued CORE electric relocations on-site

Budget: \$810,000

ROW Acquisition: Early 2025

Design Completion: 2024

***Targeted Construction Completion:** Late 2025

5. Relocation of Dawson Ridge Blvd and West Frontage Rd –

The purpose of this project is to relocate the I-25 West Frontage Road to the west of the BNSF Railroad tracks to provide access to the surrounding neighborhoods and residents after the Crystal Valley Interchange is complete.

Phase: Construction – The following is a summary of the activities performed this month:

- Floors and wingwalls of the southern box culvert poured and walls are being formed
- Contractor poured the floor and wingwalls of the northern box culvert
- The county continued construction on their portion of Dawson Trails

Budget: \$11,555,000

Targeted Construction Completion: Summer of 2025

6. Wolfensberger Widening Improvements Project- Wolfensberger Road is a major arterial connection for local and regional travel between the westerly portions of Town and I-25. Roadway and pedestrian improvements for Wolfensberger have been identified within the 2017 Transportation Master Plan (TMP) that will maintain adequate capacity and ensure efficient road network connections for future development.

The Wolfensberger Widening Improvements Project will complete all design elements for the implementation of the fully built out transportation network from the western Town limits to Prairie Hawk Drive.

- Widening roadway to a full 4-lane arterial section between Prairie Hawk Drive and Coachline/Plum Creek Pkwy. 2-lane arterial from Coachline/Plum Creek Pkwy to Town limits.
- Addition of sidewalk along both sides of Wolfensberger
- Roundabout construction at Red Hawk/Auburn and Wolfensberger Intersection
- Removal of existing traffic signal
- Stormwater drainage improvements
- Implementation of on street bike lanes West/East bound

Phase: Planning/Design

- Right of way acquisition will continue through the 1st quarter 2025
- Design start up has been pushed to 2029
- Legal descriptions have been completed, Purchase and Sales Agreement drafted by legal and the Town's land acquisition consultant is sending out offer letters

Budget: \$2,500,000

Design Completion: TBD

Right of Way Acquisition: 2025

***Targeted Construction Completion:** TBD

7. Downtown Pedestrian Lighting Project – This is a project to install pedestrian lights to improve public safety, visibility, mobility, and access to destinations Downtown by installing new pedestrian light fixtures to increase lighting levels.

- Caissons were installed for all 29 light locations. Plans

for wiring, standing of fixtures, and pull box installation is underway.

Budget: \$600,000

Construction Completion: Spring 2025

8. Signal Design and Construction Project – This project will design and construct a traffic signal at Prairie Hawk Drive & Low Meadow Blvd.

- Signal design was kicked off in January with consultant, Olsson. Survey, subsurface utility engineering (SUE), geotechnical, and civil work to adjust curb ramps for ADA compliance was completed. Initial layout for pole locations for mast arm length, cabinet location and power meter location are currently being determined. Long lead time items like poles, cabinet, and pull boxes are currently being reviewed to begin procurement process.
- In January, staff have continued to contact CDOT about a signal warrant at Founders Pkwy. & Crimson Sky Drive.

Design Budget: \$80,000

Design Completion: May, 2025

Construction Budget: \$750,000

Construction Completion: October, 2025

**These schedules are subject to change based on adjusted revenue forecasts and results of bids received.*

Traffic Signal System Upgrades – This is a multi-year project which is on-going as funds are available. The project has included proven technology advances at signalized intersections for safety and efficient daily operations.

- Staff began the initial stage of programming devices. Finalizing vehicles and locations, as well as configuration of first devices is forthcoming.
- The Town received ADA accessible pedestrian push button equipment and will be installing the system at 3rd and Wilcox Street in the first quarter of 2025. Additional visually impaired pedestrian crossing devices were requested at Meadows Blvd. and Future St. near the hospital and Meadows Blvd. and N. Meadows Drive near Castle Rock Middle School.

Budget: \$868,700

Targeted Construction Completion: December 2026

2024 Safety Project – This project includes concrete safety devices in conjunction with the Pavement Maintenance Program, installation of pedestrian crossing beacons (RRFBs) at six locations, Intelligent Transportation System (ITS) on Meadows Blvd to warn drivers of signal changes and queue awareness, and intersection and corridor safety improvements.

- The advanced warning beacon installation and programming has occurred at Meadows and Limelight. Operation will continue to be monitored and beacon timing will be adjusted as needed.

Budget: \$410,000

Targeted Construction Completion: January 2025

Illuminated Street Name Signs – Staff completed the installation of remaining signs with signal contractor, Lighthouse. The final sign location was installed in January at Plum Creek Pkwy. and the Fairgrounds. This project is now on pause until budget allows for continuation.

Budget: \$73,582

Targeted Construction Completion: January 2025

Safe Streets for All (SS4A) Safety Action Plan – The Town was awarded a SS4A grant to create a Transportation Safety Action Plan (CSAP). The plan aims to expand on the biennial Crash Facts Report to identify a High Injury Network (HIN) and High Risk Network (HRN) and focus on making improvements in areas with a high potential for crash reduction.

- The project was completed in January after presenting to Public Works Commission and Town Council for adoption.

Budget: \$300,000

Targeted Plan Completion: February 2025

2025 Safety Project – This project includes concrete safety devices in conjunction with the Pavement Maintenance Program, installation of pedestrian crossing beacons (RRFBs) at priority locations, and identified intersection and corridor safety improvements within the available budget.

- Safety projects in the PMP focus region for 2025 are currently being evaluated and will be finalized in the first quarter of 2025.
- The RRFB location list has been updated and prioritized. The top eight locations have been confirmed and procurement is underway.
- Projects that were identified and not completed last year are still being prioritized for implementation. This includes, pedestrian and ADA improvements at Meadows Blvd. and North Meadows Drive; striping and speed management improvements at Plum Creek Pkwy and Auburn; striping and access safety improvements at the Plum Creek/Wolfensbeger/Coachline roundabout; and speed management and striping improvements on Coachline Road from the Ridgeline trailhead to the roundabout.

Budget: \$431,000

Construction Completion: Close of 2025.

Engineering Division

2025 Pavement Maintenance Program

Competitive bid openings for the following projects were held on January 22 and 23:

- Asphalt Mill and Overlay
- Roadway Reconstruction

- Slurry Seal
- Curb, Gutter and Sidewalk Replacement

The staff is evaluating bids and is on schedule to approach Public Works Commission on March 3 and Town Council on March 4 for contract approval. This year's focus is in the central region with additional maintenance on a primary roadway in the Crystal Valley area.

2025 Bridge Maintenance Program

The competitive bid opening was held on January 23. The staff is evaluating bids and is on schedule to approach Public Works Commission on March 3 and Town Council on March 4 for contract approval. The project is proposed to perform maintenance on the Castle Rock Parkway bridge over SH85.

2025 Town Facilities Parking Lot Maintenance

The competitive bid opening was held on January 22. The staff is evaluating bids and is on schedule to approach Public Works Commission on March 3 and Town Council on March 4 for contract approval.

The project's focus is on parking lot associated with the following Town Facilities:

- Fire Station 155
- Philip S. Miller Park
- Rock Park

Transportation Planning & Traffic Engineering Division

Taxi Voucher Program

For the month of January, the Taxi Voucher Program funded 106 rides; which is a 35% decrease from last year's January total of 161, but a 7% increase from last month's total rides (99). Transportation services are provided for Castle Rock citizens who cannot drive, have a disability that prevents them from driving, or do not have access to a vehicle. In January, 21 individuals used the Taxi service. Of those individuals, 78% of the rides were for work, 13% for shopping trips, and 9% for medical appointments. Thirty-seven rides were provided for people without access to a vehicle, 36 rides to seniors, and 33 rides to disabled riders.

The Castle Rock Senior Center provided a total of 981 rides in January.

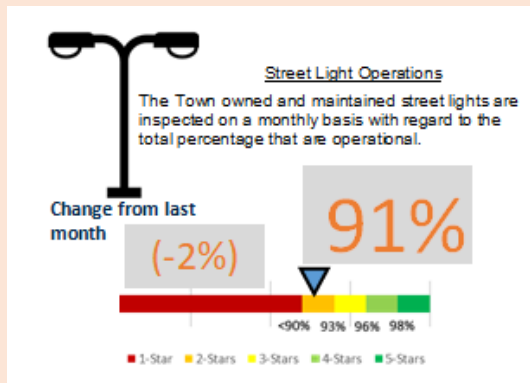
Traffic Engineering and Operations

Traffic Signal Operations and Maintenance

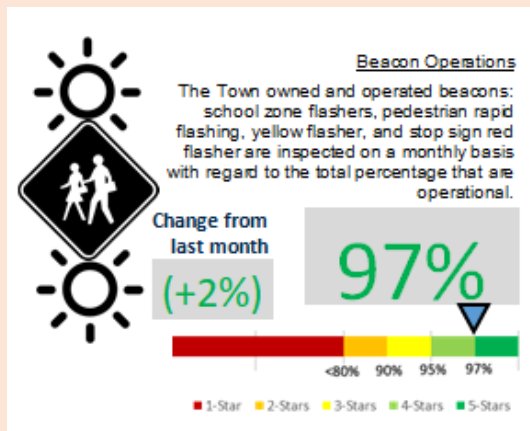


- Preventative maintenance continued in January at a few locations.
- The signal at N. Meadows & Butterfield went dark when CORE lost a switch cabinet. The power was down for almost 24 hours.
- The advanced warning beacon at Meadows and Lime Light was programmed. Staff will monitor it for successful operation and safety impacts.

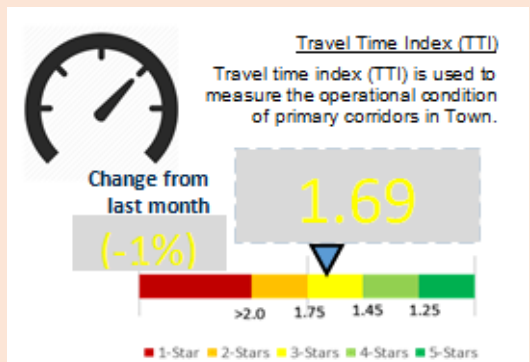
Street Light Operations



Beacon



Operations



Street Signs, Beacons and Pavement Marking Maintenance

For the month of January, the team completed 1,710 tasks. Of these tasks, 1,499 of them were sign work activities related to fabrication, install, repairs, replacements, inspections and investigations. One hundred eighty-six (186) tasks were marking work activities related to fabrication, install, repairs, replacements, inspections, and investigations. We had four beacon related tasks, including 382 windshield inspections. Other tasks included six small projects, one liquor license posting, one delineator and 13 tasks related to street lights. The team also provided support for four snow events this month.

Transportation Planning

Neighborhood Traffic Calming Program (NTCP):

The NTCP exists to verify and address quality of life items associated with vehicular traffic on local neighborhood streets and certain residential collector roadways. There were no new inquiries received in January. Staff notified the point of contact on Canyon Drive that the street did not meet the minimum criteria to qualify for the program. The 85th percentile speed was only measured at 27 mph, which is below the 30 mph minimum threshold. Staff is recommending no action for Castle Oaks Drive since the measured speed limit was not 5 mph over the posted speed limit. However, since this is a collector street, Town Council will make the final decision. This street will be discussed with Council on February 18th. Staff is also waiting for the speed study to be completed for Plum Creek Blvd. Homeowners on Rising Moon Way voted to remove the center median circle and install a speed hump. Homeowner coordination for the removal and install with the Town's Street Division will occur this spring.

Transportation Master Plan (TMP) Traffic Projection Update:

Town staff has received the final report. The Engineering division is currently estimating construction costs for each project listed in the report. Upon completion, the report will be presented to Town Council.

Douglas County Transit and Multimodal Study:

Public engagement is scheduled to begin early this year. The project team and consultant (Fehr & Peers) has been asked to present the study to Town Council in February. Fehr and Peers presented potential sub-regional transit service in the northern part of the County including a route between Lone Tree and Castle Rock. Town staff is scheduled to discuss this route and transit in general with the consultant in January.

Transit Projects:

Federal Transit Administration (FTA) – Castle Rock Small Urbanized Area (UZA) Direct Recipient Study:

The first project management team is scheduled to occur in the first week of February followed by a second meeting with the

stakeholders. IGAs between the Town, City of Castle Pines and Douglas County have been completed. The Task Order with Benesch consulting has been finalized and the Notice to Proceed issued in January. The study is expected to take between 8-10 months to complete. A number of issues will be explored, including impacts of being designated a direct recipient, governance structure, funding, and conceptual services.

CDOT's Castle Rock Mobility Hub:

CDOT and their consultant RS&H discussed the Bustang/mobility hub with Town Council at the January 21st meeting. Public outreach for the current planning effort will begin in February and continue for a couple of months. The Communications team has been contacted and efforts will be coordinated with them.

Front Range Passenger Rail (FRPR):

The FRPR staff has requested that the Town provide a memo acknowledging receipt of the Service Development Plan station report and provide any comments on the report by March 1st. A follow up meeting will be scheduled within the next couple of months. FRPR staff will also be invited to discuss the topic of a train station in Town at a future Council meeting.

Fleet Services

As you drive around Castle Rock and see the different departments providing first-class service throughout the community, you will notice how they rely on their Town vehicles. The Fleet Division takes pride in knowing that those vehicles are reliable and safe to operate and that they are providing a service for our community and our residents. Our services support the Police and Fire Departments, Public Works, Parks and Recreation and Castle Rock Water. We also support the important functions of Development Services, Engineering, Traffic, Signs and Markings, the Recreation and Activity Center and Town Hall.

The Fleet Services Division staff had a successful 2024 producing at a high level and we look forward to the challenges that face us in 2025. January did not see a lot of activity other than some unscheduled plow truck repairs and preventative maintenance repairs. In January we completed 136 work orders with varying job reasons from crashes, warranties, preventative maintenance and capitalization of vehicles. The staff have done a tremendous job at keeping vehicles available for departments. The staff have been available during on call snow removal operations that often times result in late night, early morning or weekends repairing critical snow removal equipment. We are proud of our staff's commitment to the community and for all of their efforts. We are excited to have our new Fleet Technician and the impact that he will have on our operations.

Fleet is expected to have another increase in work order activity in 2025. As the town grows, there is a need for more vehicles

and equipment and the demand for our services is expected to increase. The total number of vehicle replacements will be significantly lower than the past several years, although there are several high cost purchases completed or planned. We will add eight additional Police vehicles to the fleet and a couple of vehicles for Fire. Fleet will install equipment on 29 Police vehicles this year. Fleet is preparing for the 2026 budget needs for



the departments and other operational needs. We are expected to stay on track with our preventative maintenance program and enhance our upfitting efforts. The next few months will have a lot of planning and policy reviews to keep operations current.



Street Operations & Maintenance Division

During the month of January, the Street Operations & Maintenance Division (SO&MD) performed work in the following maintenance operations:

- *Snow/Ice Control Operations
- *Ice Breaking
- *Crack Seal & Mastic Operations
- *Equipment Maintenance

Snow and Ice Control

Snow and Ice control was the primary focus for the division for January. The team dedicated 1487 hours to snow plowing. There were 5 storms requiring a response, totaling 19.7 inches, and depositing 750 tons of salt on the roadway to mitigate ice. Two storms required enhanced operations. One was in an effort to minimize accumulated snowpack on the roadways. The enhanced plows were deployed much earlier than usual to try to keep the snow depth on the roadway at a minimum. This effort was largely successful. After temperatures warmed a few days later, the snow pack was thin enough to melt over the majority of Town.

Ice Breaking

January and February see the vast majority of ice breaking needs throughout Town. The Division devoted 750 hours to clearing Town roadways of ice hazards clearing approximately 5,247 linear feet of ice from the centerline of the road to the flow pan. This operation seeks to re-establish traction in the travel lanes of the road when ice encroaches on the roadways.

Crack Seal Operations

The crews managed to continue a little bit of crack sealing during periods between snowstorms. The team has managed to get just under 40% of the 2025 maintenance crack sealing done in the Founders PMP (Pavement Maintenance Program) area. The Division is attempting to get ahead of the curve while weather permits to ensure we are able to achieve levels of service.

Equipment Maintenance

With the extensive snow plowing and ice breaking, ensuring the equipment used is functional and ready to do its job is essential. With that in mind, the division dedicated 751 hours to replacing wear parts, lubricating, cleaning, and other general maintenance activities on all of the equipment used by the division. This is in conjunction with the intensive maintenance and repair operations undertaken by the Fleet Division as well.

Looking ahead

Looking ahead into February, the team expects to continue keeping an eye out for snow storms, and conduct ice breaking and pothole repair as weather permits.