



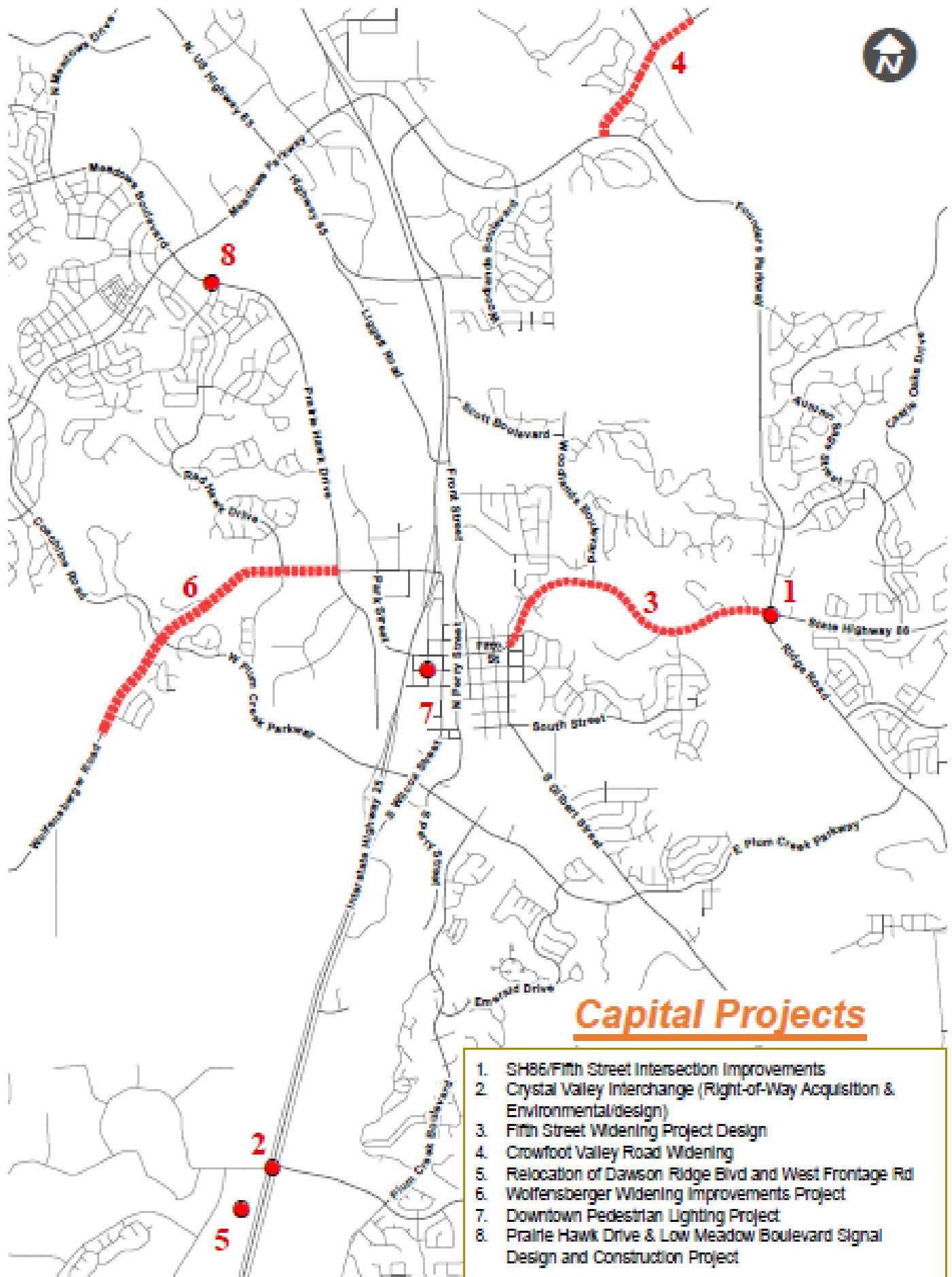
Monthly Report

March 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

- Shoring area 2 remediation is nearing completion
- Punchlist work to start week of 3/24 and continue through April
- Punchlist should be complete in April with substantial completion
- Final stabilization is being placed/installed

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

- Final sidewalk sections being poured on Plum Creek Trail
- Final seeding/erosion control is being installed.
- Substantial completion walk scheduled in mid April
- Plum Creek Trail to reopen June 1, communications are being drafted in coordination with Parks

Phase: Construction—Package 2

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

- Girders on spans 1-4 have been completed
- Deck panels continue to be set with lane shifts on I-25 at night
- Reinforcing steel is being placed for deck pour
- Deck pours will be performed in April at night
- Ongoing utility work continues on east and west sides of I-25
- Work on the retaining wall along the East Frontage Road continues

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:

- Roadway widening 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

- Submitted final plans, specifications and estimates to CDOT for review and approvals
- Closed on 10 properties with 5 separate property owners for needed ROW and easements
- Continued working through closing processes to complete remaining land purchase transactions
- Continue utility coordination for relocations

Budget: \$3,200,000

Design Completion: April 2025

Right-of-way acquisition: April 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

- Closed on needed ROW and Easement purchases
- Construction contract advertised for bidding
- Construction management services agreement advertised for proposals

Construction:

- Dry utility relocates continue on-site
- Coordination with dry utility owners for work to be concurrent with construction has taken place
- Power facility installation for new Sapphire Point signal has been completed
- CORE electric is nearing completion on removals of the overhead powerlines

Preconstruction Budget: \$810,000

Construction Budget: \$10,400,000

ROW Acquisition: March 2025

Design Completion: 2024

***Targeted Construction Completion:** Summer 2026

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:

- Construction of the two box culverts continued including the deck of the southern box culvert
- Town's portion of the trail in/out of the box culvert being prepped to pour
- 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 3rd quarter 2025
- Design start up has been pushed to 2029
- Offer letters to Pathfinder and Castle Highland sent the week of March 3
- Town Homes at Redhawk agreed to Town's counter offer. Homeowners need to approve the sale
- DCSD requested additional survey to ensure their building and infrastructure are not included in the purchase. Staff working on acquiring survey consultant

- Town met with Mr. Scott to address his concerns regarding fencing. Initial offer sent to his lawyer

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.

- All light poles are standing and wiring was completed
- Staff continues to work with CDOT and contractor to compile required documentation

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.

Phase: Design

- A signal pole purchase order is being circulated. Staff comments for the 90% plans were returned to the consultant. Other long lead time items, like power and cabinets are being reviewed and procured.
- In April, staff will meet with CDOT regarding the process for the Town to design and construct a signal at Founders Pkwy & Crimson Sky Drive.

Design Budget: \$80,000

Design Completion: May, 2025

Construction Budget: \$750,000

Construction Completion: Fall 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 is working through the programming of the trial connected vehicle devices. The Roadside Unit (RSU) hub for the fleet parking lot will be the primary test device. Finalizing vehicles and locations is underway.
- 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. Pedestrian pole assemblies are needed to complete the install and have been ordered.

Budget: \$868,700

Targeted Construction Completion: Winter 2026

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.

- Staff posted the completed plan on the Town's website for public access. An executive summary and performance metric graph are drafted and ready to move to the website. The project closeout form was submitted to FHWA and staff are working with Finance to finalize the grant.
- An implementation grant NOFO was released in March. The application deadline is June 26, and staff plan to submit projects from the action plan for implementation funding.

Budget: \$300,000

Targeted Plan Completion: Spring 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.
- Procurement of a hardware for the top eight RRFB has been completed.
- 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

Staff presented all contracts to the Public Works Commission on March 3 and to Town Council on March 4. All contracts were approved. Staff has been busy conducting pre-construction meetings and developing schedules with all the contractors.

Approved Contracts:

- Asphalt Overlay
- Full Depth Reclamation
- Curb, Gutter and Sidewalk Replacement
- Slurry Seal

A Public Outreach Open House was held on March 25, at The

Cantril School, 312 Cantril Street from 4:30 - 6pm. This open house provided staff the opportunity to brief residents and businesses on the maintenance activities, and schedules including night work. Attendance was good with 49 residents. Projects will be in full swing by mid-April, performing concrete and asphalt repairs.

2025 Bridge Maintenance Program

The bridge maintenance contract was presented to the Public Works Commission on March 3 and Town Council at the March 4 meeting. Contract was approved. The proposed contract will perform needed maintenance on the Castle Rock Parkway bridge over SH85, and Plum Creek Pkwy bridge over the UPRR. The project is expected to start after the 4th of July holiday and expected to be completed by the end of August.

2025 Town Facilities Parking Lot Maintenance

Staff presented the Town Facilities contract to the Public Works Commission on March 3 and Town Council on March 4, where the contract was approved.

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

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

The project is expected to start mid-August and expected to be completed by the end of September.

Transportation Planning & Traffic Engineering Division

Taxi Voucher Program

For the month of March, the Taxi Voucher Program funded 101 rides; which is a 30% decrease from last year's March total of 146, but a 17% increase from last month's total rides (87). 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 March, 22 individuals used the Taxi service. Of those individuals, 81% of the rides were for work, 15% for shopping trips, and 4% for medical appointments. Forty rides were provided for people without access to a vehicle, 29 rides to seniors, and 32 rides to disabled riders.

The Castle Rock Senior Center provided a total of 1182 rides in March.

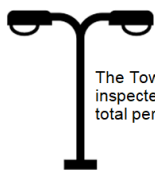
Traffic Engineering and Operations

Traffic Signal Operations and Maintenance



- The signal at Front St. and Liggett St. went into flash due to sudden loss of power.
- The signal at N. Meadows Blvd. and Butterfield, had loss of power and dark conditions.
- A couple LED bulb replacements occurred last month.
- The signal at Castle Rock Pkwy and Castlegate Dr was modified to restrict right-turn-on-red from Castlegate Dr for safety purposes.
- The construction of a new signal at Meadows Pkwy and Regent St was substantially completed and became operational.

Street Light Operations



Street Light Operations

The Town owned and maintained street lights are inspected on a monthly basis with regard to the total percentage that are operational.

Change from last month

-2%

92%

<90% 93% 96% 98%

1-Star 2-Stars 3-Stars 4-Stars 5-Stars

Beacon



Beacon Operations

The Town owned and operated beacons: school zone flashers, pedestrian rapid flashing, yellow flasher, and stop sign red flasher are inspected on a monthly basis with regard to the total percentage that are operational.

Change from last month

0%

97%

<80% 90% 95% 97%

1-Star 2-Stars 3-Stars 4-Stars 5-Stars

Operations



Travel Time Index (TTI)

Travel time index (TTI) is used to measure the operational condition of primary corridors in Town.

Change from last month

-1%

1.57

>2.0 1.75 1.45 1.25

1-Star 2-Stars 3-Stars 4-Stars 5-Stars

Street Signs, Beacons and Pavement Marking Maintenance

For the month of March, the team completed 660 tasks. Of these tasks, 137 of them were sign work activities related to fabrication, install, repairs, replacements, inspections and investigations. There were 13 beacon related tasks, including wind-shield inspections. Twelve tasks were associated with signal maintenance. Other tasks included 10 small projects, one special event, and 487 tasks related to street lights. The team also provided support for two 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 was one new inquiry received in March. A resident has raised speeding concerns for Oman Road. Town staff will share the program's policy and process with her in April. Regarding the Castle Oaks Drive education plan, staff plans to utilize two portable radar feedback signs and provide information to the HOA(s) in the area to share with their members. The equipment is being researched and will be purchased in April. Town staff met residents along Plum Creek Blvd to discuss their concerns and the plan to address them. There were several main concerns raised at the meeting; ability to safely enter traffic from the side streets, sight line obstructions, and ability to walk across the street safely due to high speeds. The traffic calming committee proposes to remove sight line obstructions due to landscaping, install advance warning signs as appropriate, utilize temporary radar feedback signs, enhance visibility of pedestrian crossings, and share educational material through the HOA.

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:

The project management team and consultant have completed several public outreach events. They have also developed their initial draft recommendations, including the draft recommendation to fund the microtransit system in Parker with the DRCOG Transportation Improvement Program pilot funds. These pilot funds will partially fund the microtransit service for several years. A local funding match of 20% or more is required. The study is still showing two sub-regional routes serving Castle Rock and a microtransit service and circulator service that will serve only the Town. These services are shown to begin after 2030 and no funding sources have been identified. These Castle Rock services are consistent with the Town's Transit Feasibility Study from 2020 and the Downtown Mobility Master Plan. Additional project information can be found at the project web site

<https://www.douglas.co.us/public-works/integrated-transit-and-multimodal-study/>).

Transit Projects:

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

The consultant discussed the responsibility matrix for direct recipients and subrecipients with the study partners. A revised matrix has been shared and will be discussed with various Town departments to identify responsibilities that the Town is already doing. The project management team will be discussing this issue in April. The study is on track to be completed before October 31. 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 are holding several stakeholder meetings in April. Criteria for locating the mobility hub will also be discussed and finalized in April.

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.

March was a busy month for the Fleet Services Division. We performed various maintenance repairs on 87 vehicles and completed 113 work orders. Most of our work was preventative maintenance (PM) inspections and repairs. Our staff continues to perform at a high level with quality work. The technicians have done a fantastic job completing jobs on time while we have been short staffed. Thank you to our technician's continued commitment to the town. The parts staff are doing a great job monitoring inventory and looking for opportunities to reduce cost. In March, our repair parts expenses were lower and our number of items used from our active inventory were up. They have been working hard to source capital parts for new police vehicles expected to arrive this year. I appreciate their efforts to utilize our current inventory and find ways to cut expenses and maximize efficiency in the shop. The Town utilized more than 12k gallons of fuel in March. This usage has remained consistent and our IGA with Douglas County Schools continues to be a reliable option for the town. Fuel cost per gallon through February was \$2.31

for unleaded, and \$2.47 for diesel. Fuel cost always lags one month from the time of reporting.

An emphasis has been placed on town departments to get their vehicle PM services completed. These services are our best option for remaining compliant with state and federal regulations, extending the life of vehicles and reducing the lifecycle cost. We appreciate the departments getting their vehicles scheduled.

New vehicle purchases for 2025 are starting to go to production. A lot of work has been performed in the past few months to source our upfit equipment for these new vehicles. Costs currently are stable from last year and we hope that continues. The Police Department has 15 new vehicles scheduled for 2025. They have another six vehicles from 2024 scheduled to be upfitted this year. We are monitoring the situation with tariffs and the potential impact on our repair parts expenses and new vehicle purchases. Some vendors have already indicated that there would be an increase. However, there is no rate of increase or timeline from them at this time. We plan to utilize our available inventories and look for efficiencies where we can. The Fleet Division is currently fully staffed. We are able to schedule more jobs and complete more work on time. We are currently working with HR to create a permanent Fleet Upfit Technician to address the increased demand for labor in this area.

Street Operations & Maintenance Division

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

- *Crack Sealing
- *Asphalt Repair
- *Equipment Maintenance
- *Street Sweeping
- *Snow and Ice Control

Crack Seal Operations

The crews continued to take advantage of the mild weather to continue to get ahead of the maintenance crack sealing for the season. This time of year is excellent for this operation because the cracks are at their widest with the pavement temps still being somewhat cooler and that allows for a better seal. But this can only happen when weather allows. The team dedicated 578 hours to sealing cracks along 18 lane miles of roadway.

Asphalt Repair

March also saw one asphalt plant come back online, and the crews took full advantage of that. The mild weather allowed the team to address some asphalt repair needs and potholes all over Town. This month also saw the debut of the Division's new asphalt patch truck. This piece of equipment has already taken

over as the preferred vehicle for asphalt repairs of nearly any size. The team used a total of 375 hours to repair 153 potholes, utilizing 2310 pounds of cold mix asphalt. They also put down 31 tons of hot mix asphalt addressing various patches throughout Town.

Equipment Maintenance

This is a task that never goes away. The equipment maintenance needs for this time of year are especially challenging as it encompasses not only winter machinery but spring and summer equipment as well. The crew must scramble to address the needs of equipment so the operations can pivot based on what the weather and road conditions allow. The crew put in 323 hours to make sure all operations had the machinery needed to support Level of Service.

Street Sweeping

Street sweeping and trash pick up is a priority at this time of year. This was especially true after the unseasonable ice storms that hit this last month. Ice events typically see a large amount of salt usage. Streets division undertakes post storm sweeping operations to remove excess salt left over and help prevent it from becoming pulverized and air borne. This supports the Town's commitment to the DRCOG air quality goals. The crew worked 368 hours sweeping up 1100 lane miles during the month.

Snow and Ice Control

March proved to be a mild month in terms of snow storms, however there were two significant icing events which impacted the Town. Both events had the crews out in short order to address the slippery conditions in order to minimize the effect of the storms on the roadways.

Looking ahead

Looking ahead into April, snow is still on the horizon and the team will maintain readiness to respond. The division is also continuing warm weather operations with crack seal, asphalt repair, and sweeping operations.