

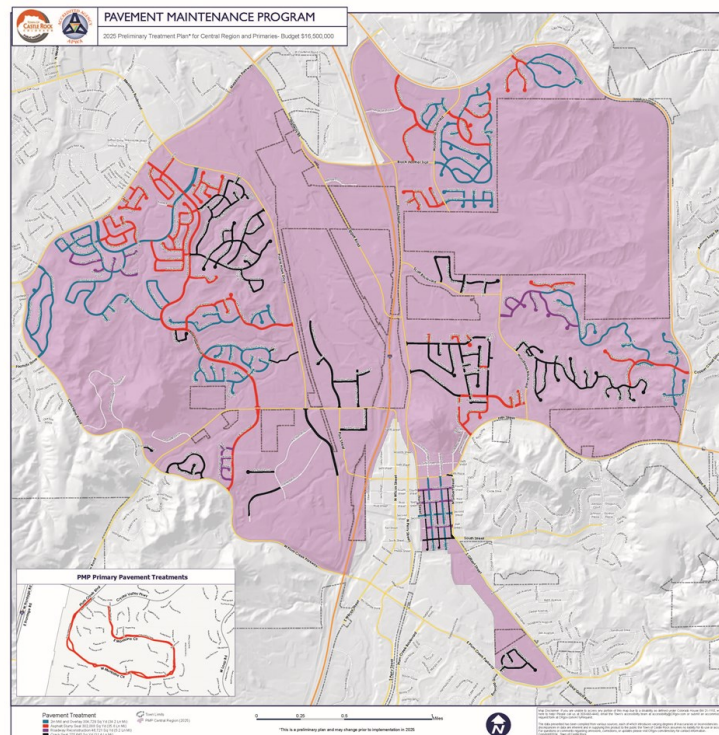


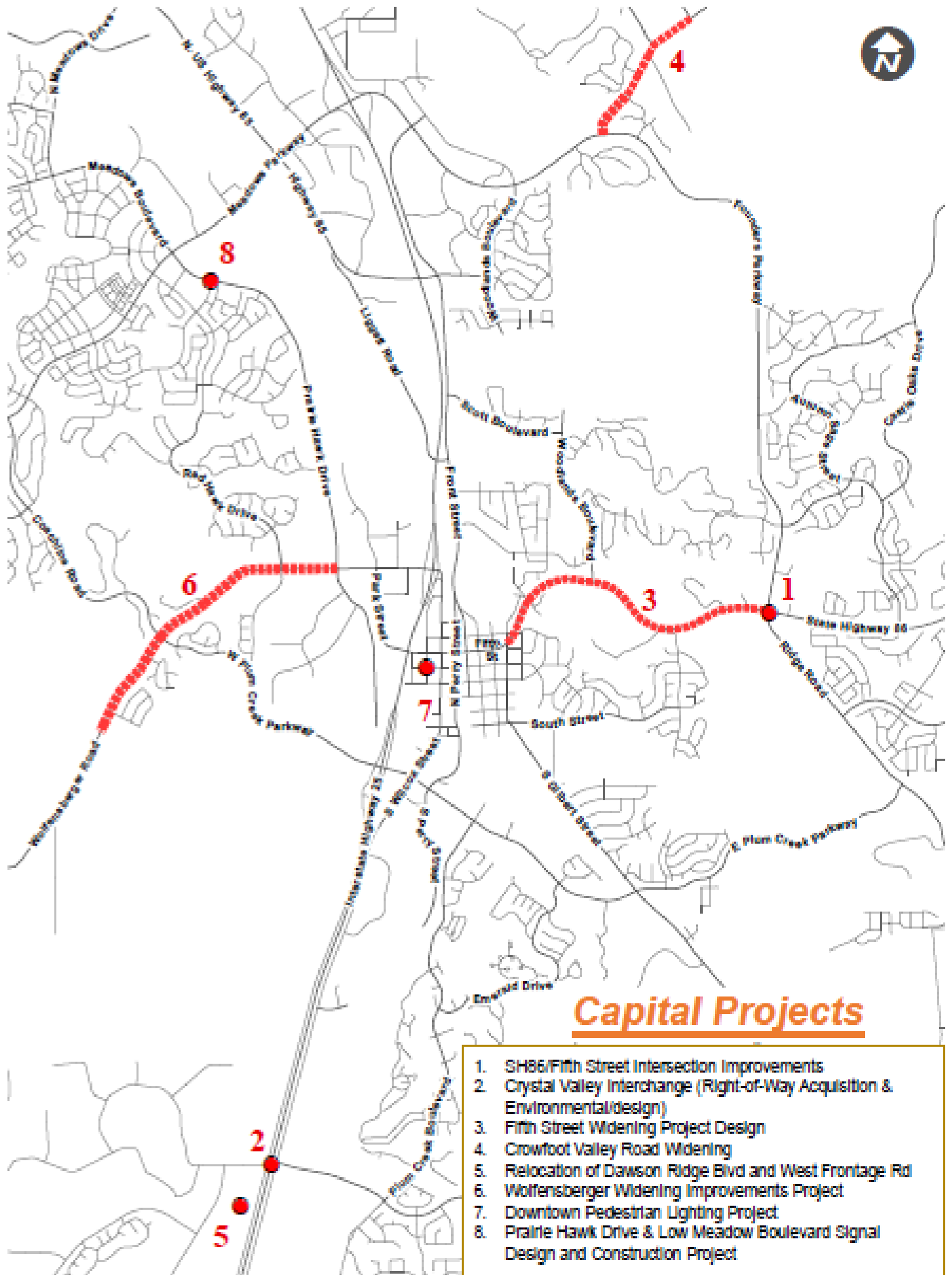
Monthly Report

February 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.





Capital Projects

1. SH85/Fifth Street Intersection Improvements
2. Crystal Valley Interchange (Right-of-Way Acquisition & Environmental/design)
3. Fifth Street Widening Project Design
4. Crowfoot Valley Road Widening
5. Relocation of Dawson Ridge Blvd and West Frontage Rd
6. Wolfensberger Widening Improvements Project
7. Downtown Pedestrian Lighting Project
8. Prairie Hawk Drive & Low Meadow Boulevard Signal Design and Construction Project

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
- Shoring area 2 remediation work is underway and should be complete in March
- Punchlist items have tentative scheduled start of March 17 weather dependent
- Legal has provided a notice letter to HEI Civil regarding shoring area 2 and HEI’s request to remove liquidated damages
- Permanent seeding and final landscaping to be complete late March-early April
- 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
- Substantial completion walk will take place end of March/Early April
- CORE electric continues work on street lights, should be active by end of April
- Final seeding/landscaping will take place in April with opening of Plum Creek Trail to follow in May/June
- Package 1 will be completed within budget

Phase: Construction—Package 2

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

- Girders have been set on spans 1 and 2 on west side of the interstate

- Girder setting for spans 3 and 4 are scheduled for March 9-12
- Deck panel placement and deck pour to follow in later March and early April
- Construction on wall 5 along the East Frontage Road has commenced, and wall construction will have East Frontage Road to single lane configuration for daily operations
- Pond grading, outfall and trickle channel construction continue
- Ongoing coordination with Dawson Trails Blvd and Westside development continue
- Gamble Ridge Drainage improvements continue

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
- Completed all negotiations with property owners within the Phase 1 project limits
- Went under contract for the purchase of 7 properties
- Continued working through closing processes to complete land purchase transactions
- Closed on three property acquisitions
- 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

- Completed negotiations with all property owners, now under contract to purchase all needed ROW and Easements
- Continued working through closing processes to complete land purchase transactions
- 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:

- Walls for both box culverts poured
- Sidewalk in the southern box culvert poured, sidewalk in the northern box culvert to be poured the week of 3/10
- 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 2nd

quarter 2025

- Design start up has been pushed to 2029
- Offer letters sent to Scott, Town Homes at Red Hawk, DCSD, Wellspring on 1/31
- Offer letters to Pathfinder and Castle Highland sent the week of March 3
- On going negotiations with Scott and Town Homes at Red Hawk

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.

Phase: Construction

- 27 of 29 foundations have been wired
- Final phase of construction, placing light poles and luminaires to begin week of March 10
- Anticipated construction completion March 14

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 site walk through was completed with several Town stakeholders. Layout for pole locations, cabinet location, and power meter location were determined. Long lead time items like poles, cabinet, and pull boxes are currently being reviewed to begin procurement process.
- In February, staff completed a grant application to receive partial funding from CDOT to construct a signal at Founders Pkwy & Crimson Sky Drive. In March, options will be provided to Town Council on how to proceed with signal construction at this location.

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 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 installation and have been ordered.

Budget: \$868,700

Targeted Construction Completion: December 2026

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.

- Staff is working on posting the completed plan on the Town’s website for public access. A project closeout form from FHWA was received and staff is working to complete it.

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.
- 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

Staff prepared all contract documents to present to the Public Works Commission on March 3 and to Town Council on March 4.

Contracts under consideration are:

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

A Public Outreach Open House will be held on March 25, at The Cantril School, 312 Cantril Street from 4:30-6pm. This open house will provide staff the opportunity to brief residents and businesses on the maintenance activities, and schedules including night work. Work is tentatively scheduled to start in late March.

2025 Bridge Maintenance Program

Staff prepared the contract documents to present to the Public Works Commission on March 3 and Town Council at the March 4 meeting. 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, pending Council approval, and expected to be completed by the end of August.

2025 Town Facilities Parking Lot Maintenance

Staff prepared the contract documents to present to the Public Works Commission on March 3 and Town Council on March 4.

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, pending Council approval, and expected to be completed by the end of September.

Transportation Planning & Traffic Engineering Division


Taxi Voucher Program

For the month of February, the Taxi Voucher Program funded 87 rides; which is a 45% decrease from last year's February total of 157, and a 17% decrease from last month's total rides (106). 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 February, 22 individuals used the Taxi service. Of those individuals, 83% of the rides were for work, 13% for shopping trips, and 4% for medical appointments. Thirty-four rides were provided for people without access to a vehicle, 19 rides to seniors, and 34 rides to disabled riders.

The Castle Rock Senior Center provided a total of 1142 rides in February.

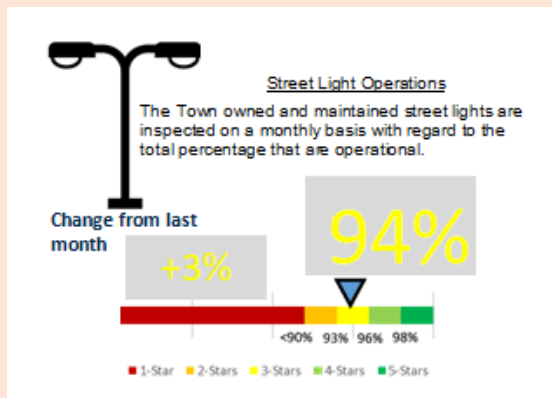
Traffic Engineering and Operations

Traffic Signal Operations and Maintenance

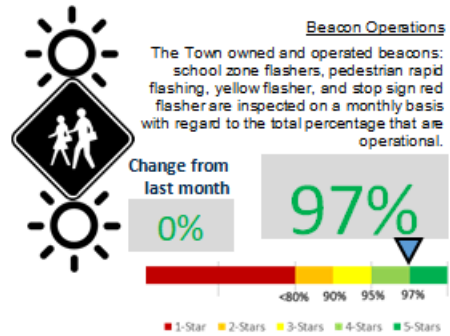


- The signal at Front St. and Liggett St. went into flash due to sudden loss of power.
- The signal at N. Meadows Blvd. and Butterfield, had loss of power and dark conditions.
- A couple LED bulb replacements occurred last month.

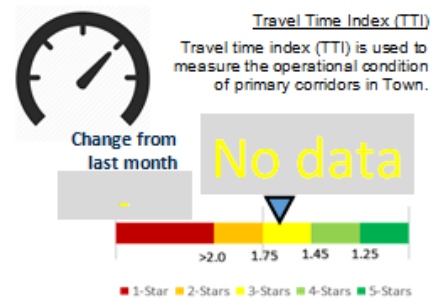
Street Light Operations



Beacon



Operations



Street Signs, Beacons and Pavement Marking Maintenance

For the month of February, the team completed 2,847 tasks. Of these tasks, 2,782 of them were sign work activities related to fabrication, install, repairs, replacements, inspections and investigations. We had fifty-five beacon related tasks. Other tasks included two traffic signals, two small projects, one liquor license posting, three special events, and two 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 were no new inquiries received in February. Town Council approved the 'No Action' plan for Castle Oaks Drive, but asked staff to create an educational plan for the street. Staff plans to install 2 radar feedback signs and provide information to the HOA(s) in the area to share with their members. The speed study for Plum Creek Blvd has been completed. The 85th percentile speed was measured at 37 mph, which is greater than 5 mph over the posted speed of 30 mph. The traffic calming committee is developing a plan to address the issue. It will include installing radar feedback signs and rapid flashing beacons at newly marked crosswalks. Staff will also evaluate sight triangles for possible sight obstructions and make recommendations accordingly. Since this is a collector

Fleet Services

street, Town Council will make the final decision. This street will be discussed with Council in a future meeting once a recommendation is ready.

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 first public open house took place on Wednesday, February 12 at the County's Philip S. Miller Building. In addition, the project web site is active and available to leave comments (<https://www.douglas.co.us/public-works/integrated-transit-and-multimodal-study/>). Currently the study is showing two sub-regional routes serving Castle Rock and a microtransit service and circulator service just in Town. These services are consistent with the Town's Transit Feasibility Study from 2020 and the Downtown Mobility Master Plan.

Transit Projects:

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

The consultant has developed a comprehensive matrix identifying responsibilities for direct recipients and subrecipients. The project management team will be discussing this matrix on March 4. The study is expected 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:

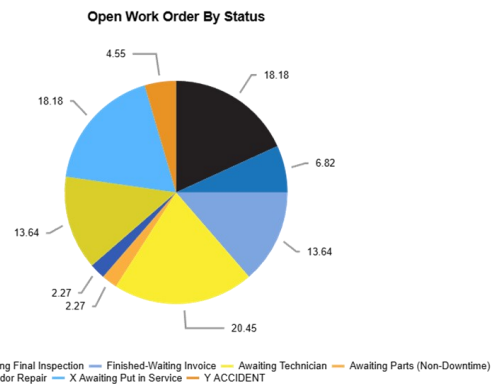
CDOT and their consultant RS&H held the first stakeholder meeting for the potential Bustang mobility hub in Town. Criteria for locating the mobility hub was discussed at the meeting. The first draft of the criteria will be shared with staff prior to the upcoming public outreach effort. Public outreach for the current planning effort will begin this spring. Community Relations has been contacted and efforts will be coordinated with them.

Front Range Passenger Rail (FRPR):

Staff sent a memo acknowledging receipt of the draft Service Development Plan station report. Comments on report and appendices were also sent to the FRPR District. Town staff also learned that the FRPR is now considering using the Union Pacific railroad line through Town. A follow up meeting with the Town Manager's office will be schedule within the next couple of months to discuss these issues. FRPR staff has also been invited to discuss the topic of a potential train station in Town at a future Council meeting.

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.

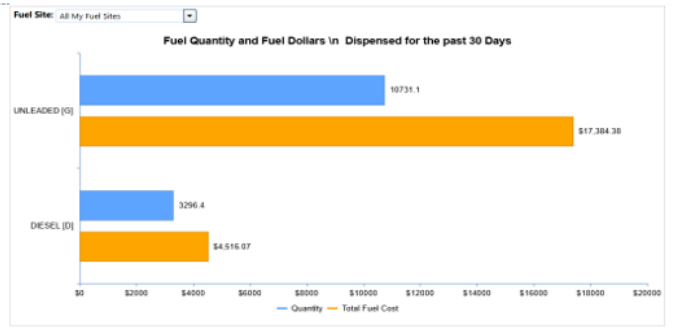
The Fleet Services Division completed 120 work orders this month. Our focus was on our preventative maintenance schedule and repairing plow equipment. Staff has performed well by maintaining a 98% asset availability for the town. They are completing most of their assigned jobs in 48 hours creating fast turn around of vehicles back to the departments. We had more than 390 hours of direct labor for vehicle repairs and added a new technician. We had a successful month putting 3 new vehicles in service for the Police Department and 2 new work trucks. Our Parts team was busy sourcing equipment for new vehicles in



PARTS REC/ISS SUMMARIES:

PARTS STOREROOM		LINE ITEMS RECEIVED		LINE ITEMS ISSUED	
			RECEIVED COST		ACTUAL COST
001	MAIN PARTS ROOM	238.000	\$40,365.793	468.000	\$40,891.424
CAP	Capital Parts	18.000	\$30,524.180	131.000	\$46,575.458
TOTALS:		256.000	\$70,889.973	599.000	\$87,466.882

FUEL SUMMARIES BY FUEL TYPE:



2025 and they did a good job of managing the cost of parts. Acquisitions and planning for 2025 vehicles continue for Police, Fire and the Water departments. We are preparing specs for new equipment and designs for replacement vehicles. One new vehicle arrived this month and is waiting in service completion. There are 14 new requests for vehicles so far this year. Four vehicles were sold at auction in February resulting in more than \$74k in proceeds from the sales. Auctions for other assets will continue over the next several months and we expect the resale market to continue to give us a high rate of return. These proceeds will go back into the Fleet Fund and used for vehicle replacement.

Street Operations & Maintenance Division

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

- *Snow/Ice Control Operations
- *Ice Breaking
- *Trash and Weed Control
- * Asphalt Repair
- *Equipment Maintenance
- *Post Storm Sweeping

Snow and Ice Control

Snow and Ice control remained the top priority for the Division. This last month had seven forecasted storms, two of which required responses from the Town. The total snowfall for these two events is 7.2 inches. The team collectively devoted 496 hours to plowing and used about 245 tons of salt to minimize icing. The average Level of Service time for these storms was 2.75 hours.

Asphalt Repair

February brought opportunity to address needed roadway repairs. The team spent 64 hours on a full depth patch using 12 tons of hot mix asphalt and the new Asphalt Patch Truck. Additionally, over 200 potholes were repaired using 4260 pounds of cold mix asphalt.

Ice Breaking

Ice breaking is a primary focus during January and February. The radical freeze / thaw cycles on the Front Range cause significant and recurring ice issues for roadways all over Town. The team attempts to mitigate these hazards as best as possible to maximize safety for the travelling public. The crew worked 300 hours addressing icing concerns all over Town

Equipment Maintenance

Winter is very hard on equipment, especially when that equipment is used to fight winter. Equipment maintenance is a never-ending must for these operations. The team spent 489 hours maintaining equipment needed to respond to snow and ice.

Post Storm Sweeping

The division works to minimize the effect of the granular deicers used during plow operations, as such post storm sweeping operations are undertaken to remove left over salt and aggregate before it can be ground up and sent air borne. This allows the Town to adhere to established air quality standards. 134 hours were spent sweeping material off of 311 lane miles of roadways in Town.

Trash pick up and Weed Control

The team took advantage of breaks in the weather to pick up trash alongside the roadways. 82 hours were spent cleaning up road verge areas in more visible locations resulting in 25 bags of trash removed. The team also proactively treated areas in Town for weeds by applying pre-emergent herbicides in strategic areas to prevent weeds from coming up and requiring intensive management later in the season.

Looking ahead

Looking ahead into March, snow will remain the priority as this is our snowiest month on average. Equipment maintenance will also be required. The team will also begin the transition into warm weather operations as temperatures warm up and reveal more asphalt damage that will need repair.