

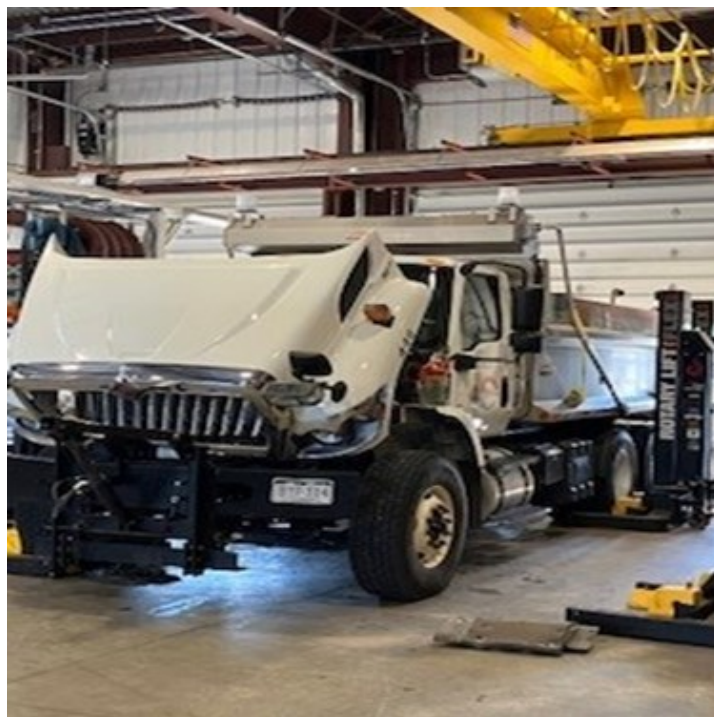


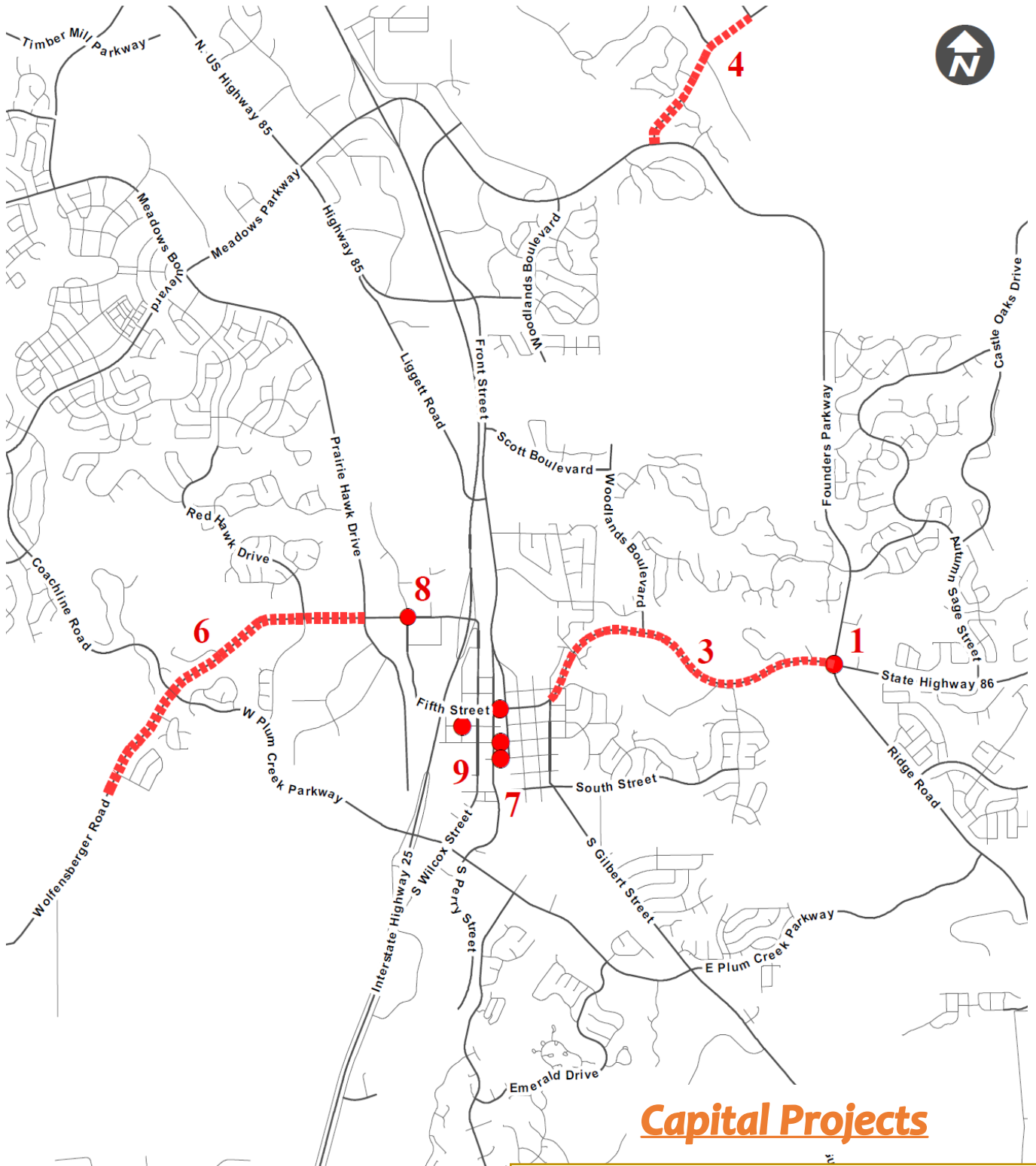
Monthly Report

June 2024

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. SH86/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 Quiet Zone Project
8. Wolfensberger and Park Street Improvements Project
9. Downtown Pedestrian Lighting 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

 - Construction continues on all quadrants with work mainly focused in the NW and SW quadrants

Budget: \$12,400,000 total funding
***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

 - Package 1 is under construction and progressing on schedule
 - CBC for drainage has been completed
 - Road base is being placed for the roundabout. The east half of the roundabout concrete will be placed in July
 - Ongoing communications with property owners and stakeholders
 - Continuing pond excavations
 - Change order 1 was executed for completion date extension

Budget: \$17,196,090.70

Phase: Design/Construction—Package 2

 - NTP issued
 - BNSF construction and maintenance agreement, the permanent easements and the construction easements were signed by Town Council on May 7. The documents have been sent to the BNSF and are scheduled to be executed by June 4.
 - Environmental erosion control items are being set, clear and grub will begin after approval of these items.
 - Will begin installation of drainage structures
 - Utility companies are working on relocating lines

Budget: \$7,580,000 total Design funding
\$78,400,000 total Construction funding
Design Completion: Spring of 2024
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 as identified in the TMP. 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

 - Four property owners accepted Town’s offer to purchase property/easements
 - Five offer packages being prepared by Town staff for property owner consideration
 - Began Verizon communications line relocation

Budget: \$2,700,000 total funding
Design Completion: Summer 2024
Right-of-way acquisition: 2024
***Targeted Construction Completion:** 2030

- 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

 - Received shipment of Sapphire Pointe traffic signal
 - Prepared service agreements with land acquisitions consultants to proceed with Right-of Way acquisitions
 - Continued planning and coordination with utility companies for relocations ahead of construction

Budget: \$810,000 total funding
ROW Acquisition: 2024
Design Completion: 2024
***Targeted Construction Completion:** Fall 2025

- 5. Relocation of Dawson Ridge Blvd and West Frontage Rd** – The purpose of this project is to relocate the I-25 West Frontage Rd 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:

- Bid opening held 6/20
- Resolution to approve the contract to the lowest bidder taken to PWC 7/1, TC 7/2
- NTP to be issued July 2024

Budget: \$11,555,000 total funding

***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
- 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

- Appraisal and survey for property acquisitions are underway
- NOI's have been sent to all property owners
- ROW acquisition will continue throughout the summer of 2024
- Design start up has been pushed to 2029

Budget: \$2,500,000 total funding

Design Completion: TBD

Right of Way Acquisition: 2024

***Targeted Construction Completion:** TBD

7. **Downtown Quiet Zone Project** - This project will implement a quiet zone through the downtown Castle Rock area. In order to implement the quiet zone, improvements must be constructed at three railway crossings: Second Street, Third Street and Fifth Street. The scope of the improvements to be constructed with this project include: additional crossing gates, pedestrian crossing improvements, ADA improvements, sign and marking improvements, curb and gutter additions and general railroad (Union Pacific, i.e., UP) coordination. The benefits of this project will be improved safety for vehicles and pedestrians and improved quality of life for downtown businesses, residents and patrons.

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

- Union Pacific completed construction of remaining safety improvements (gates) at Third Street
- Union Pacific constructed a portion of the remaining safety improvements (gates) at Second Street

Budget: \$1,800,000 total funding

Targeted Construction Completion: Summer 2024

***Targeted Implantation:** End of 2024

8. **Wolfensberger and Park Street 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 and Park Street have been identified to increase intersection operations and provide better pedestrian access to the Downtown area.

The Wolfensberger and Park Street Improvements Project will complete all design elements for the implementation of pedestrian and transportation improvements.

- Relocate traffic signal pole
- Increase sidewalk width
- Replace existing ADA ramps
- Construct additional turn lane on Park Street

Phase— Construction

- Curb and gutter on Park Street was placed 6/28, sidewalk and ADA ramp to be placed the week of 7/1
- Unforeseen utility relocation and a slight change in design grades have pushed the project completion date 2-3 weeks
- Outreach for project is being communicated through Community Relations

Budget: \$937,000

***Targeted Construction Completion:** Summer 2024

9. **Downtown Pedestrian Lighting Project** – This is a project to install pedestrian lights within the Downtown area as budget allows. This project plans to improve public safety, visibility, mobility, and access to destinations Downtown by installing new pedestrian light fixtures to increase lighting levels.

- Town has received concurrence from CDOT & FHWA to advertise for bidding. Project is out to bid with bids due by July 10. Project completion anticipated by December.

Budget: \$600,000

Targeted Construction Completion: End of year 2024

**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 signal system upgrade project which is on-going as funds are available. The project has included proven technology advances at signalized intersections for safety and daily operations.

- Staff is a part of the CDOT managed, adaptive signal system project that has implemented adaptive signal timing on Founders Parkway, and Meadows Parkway, and Factory Shops Boulevard. Eight abutting Town signals are included in the system. Operational adjustments were made in June at some of the Town signals. Before and after comparison of travel time and number of vehicle stops in operations will be made.
- Phase II of the Town's ATSPM project includes software

Engineering Division

development and signal timing. Project acceptance testing is scheduled and project closeout and final invoicing is anticipated in July.

- The Town is awaiting a draft IGA from CDOT for Connected Vehicle hardware to proceed with project. Once executed this two-year project will kick off in earnest. Staff held an introductory meeting with equipment vendor, Commsignia, in June.

Budget: \$868,700

Targeted Construction Completion: April 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.

- Pre-con meeting held with Adiona Transportation Systems on July 2 for construction of ITS project on Meadows Blvd.
- RRFB equipment was received in June. Some of the hardware received was incorrect, and staff are working with the vendor to get the correct hardware for Town standard installations.

Budget: \$410,000

Targeted Construction Completion: Fall 2024

Illuminated Street Name Signs – All the previously ordered illuminated street name signs (ISNS) and hardware have been received by the Town; staff is coordinating installation. Sign locations include: Founders Pkwy and Rising Sun, Founders Pkwy and Ridge Road (Four Corners), Wolfensberger and Park St, and Wolfensberger and Caprice. The project will be paused in 2024 due to Town budget constraints. CIP project at Wolfensberger and Park St will install ISNS and necessary electrical components. The Four Corners project has installed ISNS at intersection. Town staff to meet with CDOT staff to discuss installations at CDOT owned and maintained intersections in July.

Budget: \$73,582

Targeted Construction Completion: Fall 2024

Safe Streets for All (SS4A) Safety Action Plan – The Town was awarded a SS4A grant to create a Comprehensive 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.

- Fehr & Peers (F&P) created an interactive dashboard of crash history, and a presentation slide deck explaining the crash history and systemic analysis findings. [project website \(contains link to survey\)](#)
- Phase two for public outreach has launched, including a public feedback survey. An in-person event will be held at the Town's First Friday event in July.

Budget: \$300,000

Targeted Plan Completion: Fall 2024

2024 PMP

The 2024 PMP will focus its efforts in the West PMP area. Maintenance will be done in several neighborhoods with various surface treatments such as slurry seal, mill and overlay and some areas will see reconstruction this year.

Sidewalk, Curb and Gutter Improvements

Sidewalk, curb and gutter repairs continued through June with saw cutting and replacement operations in the residential neighborhoods. Residents within the West PMP area were notified via letters as well as the use of variable message boards, that repair and maintenance work was to begin. Contractor expects to complete all concrete repairs in July.

Asphalt Overlay Project

Work was completed on planned downtown streets this month.



The crews spent a week of night work patching, milling and overlaying 3rd Street and Jerry Street. All concrete repairs for this project were completed this month. All work on this project is on scheduled to be completed in

July.

Full Depth Reclamation Project

Full Depth Reclamation concrete repair work continued through June. Reclamation and paving were completed on, Elk Run Dr., and Bear Paw Dr. The contractor removed and replaced damaged sections of sidewalk, curb and gutter. Concrete repairs are expected to continue into July.



2024 Facilities Parking Lot Improvements Program

The 2024 Town Facilities Parking Lot Improvement Program will focus its efforts on seven (7) parking lots.

The following Town Facilities were approved:

- Crystal Valley Fire Station #152
- 4th & Perry Parking Lot
- Seventy Street Parking Lot (Flyover)
- Castle Rock Water Headquarters (Front Lot & Yard Pavement)
- Bison Park Parking Lot
- East Plum Creek Trail Parking Lot
- Wrangler Park Parking Lot

2024 BMP

Bridge maintenance for Plum Creek Parkway over Sellar’s Gulch was approved by Public Works Commission on May 6 and by Town Council May 21. Staff is to award the project to Critical Pipeline Repair. The project consists of lining culvert pipes, and



is expected to begin in September. Location of this bridge is indicated in the map below:

Transportation Planning & Traffic Engineering Division

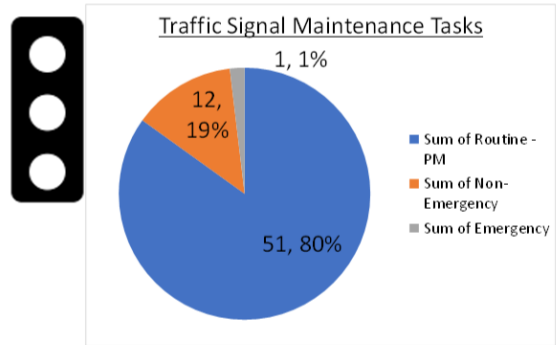
Taxi Voucher Program

For the month of June, the Taxi Voucher Program funded 105 rides; which is a 28% decrease from last year’s June total of 146, and a 25% decrease from last month’s total rides (141). 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 June, 20 individuals used the Taxi service. Of those individuals, 87% of the rides were for work, 8% for shopping trips, and 5% for medical appointments. Forty-nine rides were provided for people without access to a vehicle, 25 rides to seniors, and 31 rides to disabled riders.

The Castle Rock Senior Center provided 979 rides in June.

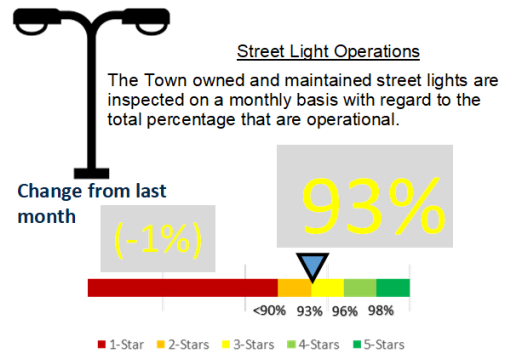
Traffic Engineering and Operations

Traffic Signal Operations and Maintenance

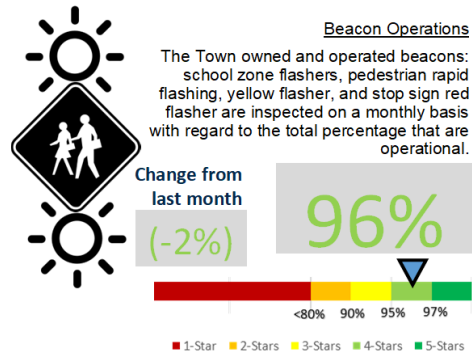


- Most frequently visited signal 5th & Wilcox

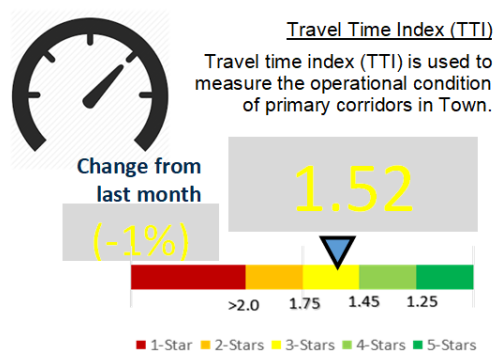
Street Light Operations



Beacon



Operations



Street Signs, Beacons and Pavement Marking Maintenance

For the month of June, the team completed 666 tasks. Of these tasks, 225 of them were sign work activities related to fabrication, installation, repair, replacement, inspection and investigation. Seventy-five were marking work activities related to fabrication, installation, repair, replacement, inspection and investigation. We had 336 beacon related tasks, including windshield inspections, and repairs. Other tasks included 21 small projects, one locate, one liquor license posting, and seven special events. Colorado Barricade, the Town's long line marking contractor is 49% complete with white and 44% complete with yellow long lines.

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. No new inquiries were received in June. Town staff is still waiting for the residents to return the petitions for prior streets before the next step can occur. The study area for the Villageview Lane project has been identified and will be shared with the point of contact. The next step will be to set up a neighborhood meeting to discuss the project and process.

Transportation Master Plan (TMP) Traffic Projection Update:

Felsburg, Holt, and Ullevig (FHU) has submitted the first draft of the overall project, which includes the street capacity and intersection level of service analysis for 8 intersections. Staff is currently reviewing the report and will provide any comments or correction to FHU in July. The next step will be to share the report with management.

Transit Projects:

Federal Transit Administration (FTA) – Castle Rock Small Urbanized Area (UZA) Designation:

Town staff is currently drafting the scope of work and the Request for Proposals (RFP). Both the County and Castle Pines staff will be partners on the study and co-managers. The RFP will be sent to previously approved consultants on the Town on-call list. The study is expected to take between 8-10 months to complete.

CDOT's Castle Rock Mobility Hub:

CDOT has RS&H consulting under contract and are working on negotiating the scope/hours for the first task (site selection and preliminary design). CDOT is hoping to issue the notice to proceed within a few weeks. CDOT and RS&H have been invited and agreed to attend a Town Council meeting to gather stakeholder feedback as a part of the site selection process.

Front Range Passenger Rail (FRPR):

The FRPR staff sent the Town a resolution adopted by the FRPR District that adopts nine primary market locations for passenger rail stations, including the Castle Rock area. A FRPR District station location criteria guide for siting a station within these locations was also received. Staff is developing a process to select a potential site to be reviewed with Town Council for feedback. The District has decided not to have any tax measures on the November 2024 ballot.

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. Below is a snap shot of the Fleet Division activities this past month.

Fleet completed 82 work orders with 118 repairs for the month of June. The number of work orders and repairs has been trending lower the past several months as expected as the equipment is being used and employees take time off. The Fleet Division is still actively recruiting for our vacant Fleet Technician position. We have received some good applicants after restructuring our Fleet Technician positions and continue to conduct interviews. We have seen an increase in outsourced labor due to recalls and warranty repairs. These repairs are taking much longer to complete as most dealers are experiencing increased scheduling delays. Fleet is completing the scheduled maintenance for these vehicles prior to sending to our vendors to keep our schedules on track. The Parts staff has been busy sourcing equipment for new vehicles ordered for the Town. The Fleet availability was 98% for the Town in June.

The past several months has been very busy for new vehicle purchasing. Sourcing and purchasing agreements for new and replacement equipment have been a priority to secure these new assets for the Town. Six new vehicles arrived in June, including the last



three Police Interceptors ordered for 2024. These new cars will have the police equipment installed by our staff over the next several months. Fleet is expecting another 18 new assets to arrive in the second half of 2024 to complete the schedule.

Street Operations & Maintenance Division

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

- *Crack Seal Maintenance
- *Special Operations
- *Road Shoulder Maintenance
- *Asphalt Maintenance
- *Street Sweeping

Crack Seal Maintenance

The Crack Seal Maintenance Operations continue with good progress being made. The team has made good progress in spite of the interruptions from heavy rain and flood debris clean up. The team has repaired 22.87 lane miles using 24,150 pounds of material. This operation is in support of the overall PMP (Pavement Maintenance Program) and is intended to prevent water from infiltrating into the subgrade of the roadway.

Asphalt Maintenance

The Streets Division has continued to carry out asphalt repair operations in numerous areas of Town. These are currently focused on utility repair patches, potholes, and transverse cracks. The crews dedicated 468 hours to these repair efforts and utilized 55.54 tons of hot mix asphalt. These operations are primarily intended to restore pavement integrity to carry the roadway to its intended lifespan in addition to enhancing ride quality.

Special Operations

One of the major special operations undertaken by the Streets Division was the reconstruction of the gravel roadway at the request of the Parks department for access to the Lost Canyons Ranch. This was a large and recently acquired area and time was a consideration due to the scheduling of the VIP event to be held at the end of the month. The team mobilized and regraded the roadway, making it accessible for two-way traffic, re-established drainage, as well as removed a number of large concrete barriers.

Street Sweeping

The crews spent 220 hours sweeping the Downtown and business areas of Town during early morning operations. The crews were also dispatched to respond to flood debris earlier in the

month resulting from a torrential rainfall event. In all, the crew cleaned 197.4 lane miles of roadway and removed 116.75 cubic yards of material.

Road Shoulder Maintenance

The team began road shoulder maintenance operations with trash removal, weed trimming, and mowing operations on Town maintained verge areas. The crew picked up and disposed of 70 trash bags of garbage from the verge areas, and trimmed and mowed along 35.6 edge line miles of roadways. This allows for better visibility and a safer place to pull a vehicle off the road should the need arise. There is also an added aesthetic attribute to these efforts.

Looking ahead

July will see the continuation of the Crack Seal, Asphalt repair, and AM Sweep operations. Mowing will continue until the first round is complete and then the focus will turn to bridge painting.