



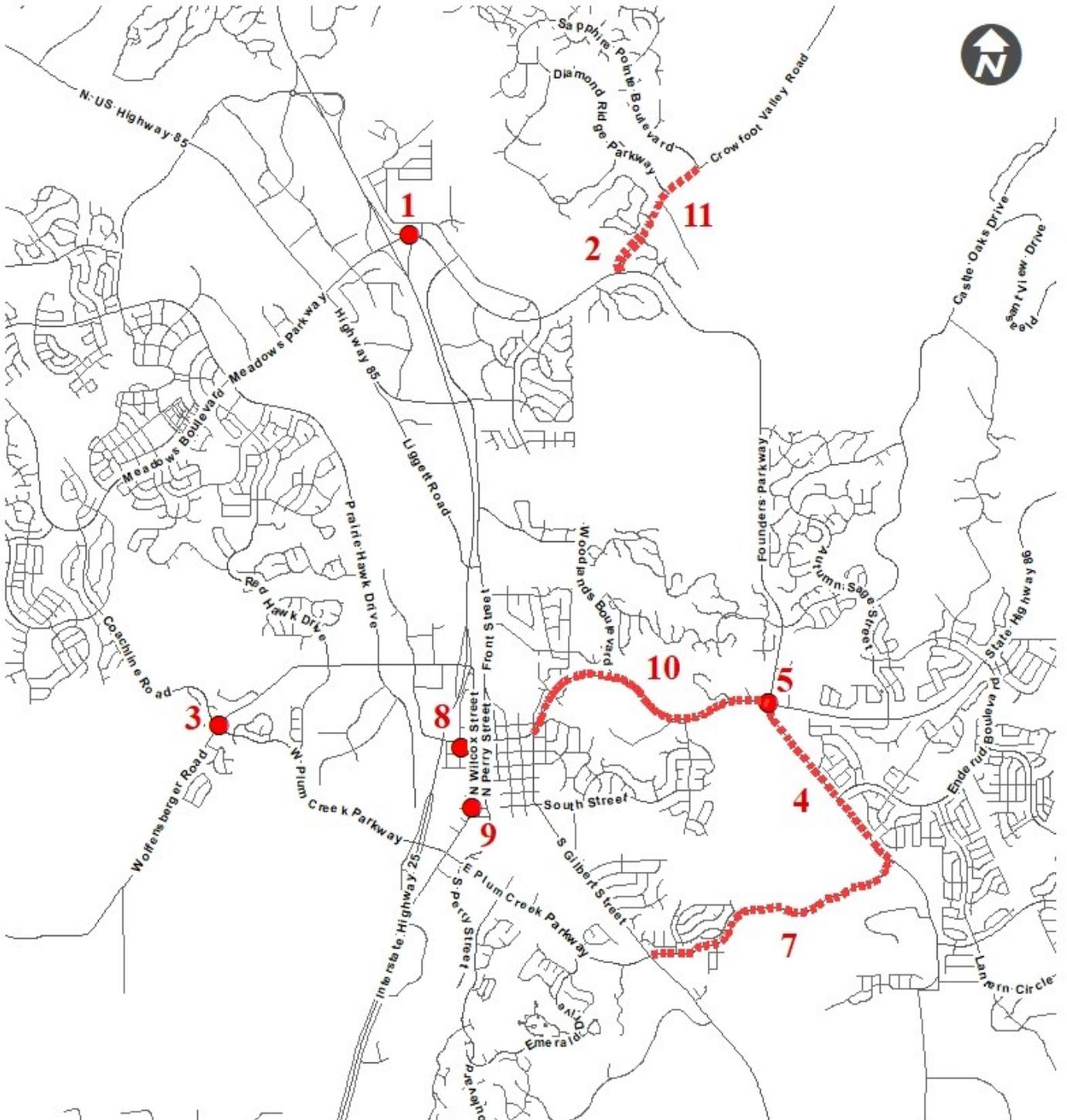
# Monthly Report

July 2021

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 Pkwy/Allen Way Intersection Project
2. Founders Pkwy/Crowfoot Valley Road Intersection Improvements
3. Roundabout at Wolfensberger Road/Plum Creek Pkwy
4. Ridge Road Widening (SH86 to Plum Creek Pkwy)
5. SH86/Fifth Street Intersection Improvements
6. Crystal Valley Interchange (Right-of-Way Acquisition & Environmental/design)
7. Plum Crk Pkwy Widening & Plum Crk Pkwy/Gilbert Roundabout
8. Downtown Alley Improvements
9. Wilcox and South Roundabout
10. Fifth Street Widening Project Design
11. Crowfoot Valley Road Widening

**1. Founders Pkwy/Allen Way Intersection Improvement Project** – This project will address the need for the following improvements:

- An additional eastbound left turn lane from Founders Parkway to Allen Way
- A dedicated right turn lane from Founders Parkway to Allen Way
- An additional southbound right turn lane from Allen Way to westbound Founders Parkway
- An additional I-25 northbound on-ramp lane
- A second through lane at Allen Way and Allen Street

**Phase: Construction** – Close out— Work continues on the close out phase with CDOT. The project team (Town of Castle Rock, NORAA Contractors, FHU, and CDOT) continues to meet weekly to finalize the documentation needed to obtain reimbursement on payments made to the contractor. Reimbursement #3 to Castle Rock has been approved by CDOT. Continuing to work on Reimbursement #4.

**Budget:** \$2.64M

**Close Out:** Fall 2021

**2. Founders Pkwy (SH86)/Crowfoot Valley Road Intersection Improvement Project and Crowfoot Valley Road Widening Project** – This project will address the need for the following improvements:

- An additional eastbound left turn lane from Founders Parkway to Crowfoot Valley Road
- An additional northbound lane on Crowfoot Valley Road between Founders Parkway and Knobcone Drive
- A southbound free right turn lane from Crowfoot Valley Road to westbound Founders Parkway
- Widen Founders Parkway both eastbound and westbound between the Crowfoot Valley Road and Woodlands Boulevard
- Widen Crowfoot Valley Road from Founders Parkway to Knobcone Drive

**Phase: Construction:** Closeout - Town staff and the project consultant have submitted all required project documents to CDOT in June and are still waiting to hear from CDOT if any additional information is still required to finalize this project. The Grading, Erosion, and Sediment Control permit remains open to monitor vegetation coverage and growth. Inspections will be performed until the requirements of the permit are achieved.

**Budget:** \$3,550,000

**Close Out:** Fall 2021

**3. Wolfensberger Road/Plum Creek Parkway Roundabout Project** - This project will accomplish the design and construction of a roundabout at this intersection to improve operations and minimize accident potential.

**Phase:** Closeout – Substantial completion was issued in Spring 2019. Punch list items are complete. The Town is working with the adjacent property owners to complete the final landscape tie-ins and adjustments. The final landscap-

ing work is anticipated to be complete by Fall 2021. The work completed this month in progression to project close-out is as follows:

Began grubbing and grading activities in advance of irrigation work

**Remaining Budget:** \$137,000

**Final Completion:** Fall 2021

**4. Ridge Road Widening** – Ridge Road will be widened from two to four lanes between the Founders Parkway (SH86)/Fifth Street/Ridge Road intersection and Plum Creek Parkway. The goal is to reduce traffic congestion on the Ridge Road corridor.

**Phase: Design:** The consultants continue to work on ROW acquisition. Staff has initiated the contract with IREA to begin relocations of their facilities in preparation of the roadway widening project. Staff is coordinating with the consultant to provide easement descriptions for IREA facilities. The task order to update the construction plans, and provide legal descriptions for IREA facilities was executed.

**Budget:** \$900,000

**ROW Acquisition:** Spring 2021-Phase 1; Fall 2021- Phase 2

**Targeted construction:** 2024

**5. Founders Parkway (SH86)/Fifth Street Intersection “Four Corners” Improvements** – With new traffic studies submitted, the consultant will investigate multiple alternatives to address safety concerns and capacity issues at the intersection. Improvements under evaluation include:

- Southbound traffic – add left turn lane, add a free right turn lane, convert right turn lane to through/right
- Eastbound traffic – convert right turn lane to through right, add free right turn lane
- Northbound traffic – add left turn lane, add second through lane, add a free right lane
- Westbound traffic – add through lane, add a free right turn lane

**Phase: Design:** David Evans & Associates (DEA) is the design consultant for this project. The following is a summary of the activities performed this month:

- Continue work on the design of the project
- The Town had the option of the construction of a roundabout at the intersection of N. Ridge Rd. and King Soopers south access analyzed. After review, this option has been determined not feasible for construction with this project
- Second public outreach meeting was held on July 27 which gave an update on the design progress

**Budget:** \$1,200,000 for design in 2020 with DRCOG Grant Reimbursement (Town share \$240,000)

**Design Completion:** 1st quarter 2022

**ROW Acquisition:** TBD during Preliminary Design stage

**Targeted construction:** 1st quarter 2022

**6. Crystal Valley Interchange – Right-of-Way Acquisition** – The purpose of this project is to achieve acquisition of re-

maining right-of-way and set aside future project funding allowing potential funding partnerships to assist with advancing construction.

**Phase:** Right-of Way Acquisition

- Acquisition Services
  - East Side of I-25 – Town Staff is moving forward with properties which are in various states of negotiation.
  - West Side of I-25 – Town staff and consultants are preparing Notice of Intent for several property owners. The SWQ property closed in early May.

**Phase: Design**—Interchange Access Request and Environmental Assessment Reevaluation, and Design

- The IGA with CDOT for the federal BUILD Grant has been executed. The BUILD grant agreement has been sent to the Office of the Secretary for review/approval, staff is anticipating to get approval for signatures by mid-August. The funding of the grant is reimbursement of up to \$5.4M with a cost sharing of 45% grant and 55% funded by the Town
- The Service Agreement with Jacobs Engineering Group for pre-construction services has been executed. Jacobs and Town staff have hosted the official kickoff meeting with all stakeholders, including CDOT and FHWA
- Jacobs has started the traffic count data collection, the traffic analysis, and survey.
- Staff has completed the delivery method workshop. This workshop consisted of a panel of all stakeholders determining which method of delivering will be most beneficial to the project schedule and budget. The result of the workshop was that the CMGC delivery method would be the best to achieve the successful delivery of this project with the proposed schedule. Staff is moving forward with evaluating and making recommendations as the process continues

**Budget:** \$6,500,000, and Development Escrow

**Completion:** Summer 2023

**Targeted Construction:** 2023

7. **Plum Creek Parkway Widening and Plum Creek Parkway/Gilbert Street Roundabout Project** – This project will implement the Transportation Master Plan’s identified improvements for this corridor. The addition of the remaining two lanes of the master planned four-lane roadway on Plum Creek Parkway between Eaton Street and Ridge Road. Not only will it include the addition of two lanes, but also bicycle and pedestrian multi use lanes. It will also include roundabout modifications at Ridge Road. The improvement has been broken out into three phases in order to meet the department’s objectives. Phase 1A included portions of storm sewer improvements between Gilbert and Eaton. Phase 1B includes all roadway/utility/pedestrian access improvements between Gilbert and Eaton, including the implementation of roundabouts at the intersections of Gilbert and Eaton. Phase 2 includes all roadway/utility/pedestrian access improvements between Eaton and Ridge Road.

**Phase 1A: Drainage Improvements:** Close out - Town staff and the contractor are working on completing final documents to close out the project, and address issues discovered during construction of Phase 1B.

**Budget:** \$1,158,300

**Construction Completion:** Complete

**Phase 1B: Plum Creek Pkwy Widening and Roundabout:**

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

- Completed grading at detention pond
- Constructed detention pond access road
- Beautified roundabouts with cobblestone

July 2021 brought the project closer to substantial completion. Roadway and roadside improvements are complete. The project team and contractor now shift focus to restoring Baldwin Park for the remaining summer construction season. Remaining work includes: detention pond seeding and mulching, and Baldwin park irrigation and landscaping restoration work.

**Budget:** \$7,507,723

**Construction Completion:** August 2021

**Phase 2: Design and ROW Acquisition** – The following is a summary of design activities performed this month:

- Completed design of off-site drainage conveyance (pipe & channel)
- Completed potholing for quality level A utility investigation
- Finalized property interests for project

**Budget:** \$794,375

**Design Completion:** Summer 2021

**ROW Completion:** Fall 2021

**Targeted construction:** 2022

8. **Downtown Alley Improvements:** Four alleyways in the downtown area are beyond their service life and are not providing an appropriate level of service. Reconstruction of alley pavement in addition to drainage improvements and sanitary sewer system replacement will renew the service life of both the pavement and sanitary sewer in the area.

- 2 Alleys (Westerly Alleys) – Located West of Jerry St. between 5<sup>th</sup> and 3<sup>rd</sup> streets
- 2 Alleys (Easterly Alleys) – Located East of Perry St. between 6<sup>th</sup> and 4<sup>th</sup> streets

**Phase – Construction**

- Completed installing the new sewer line in alley 14 (between 5<sup>th</sup> St. and 4<sup>th</sup> St. / Jerry St. and Elbert St)
- Completed crossing 4<sup>th</sup> street with the installation of a new sanitary sewer line and manhole
- Started the installation of the new sewer line installation in alley 17 (between 4<sup>th</sup> St. and 3<sup>rd</sup> St. / Jerry St. and Elbert St)
- Completed final grading of the easterly alleys which are ready for the concrete paving

- Black Hills Energy (BHE) has informed the Town that they will be lowering their gas lines in all the alleys in this project. The final concrete paving will be on hold until BHE completes the lowering of their lines
- Continue with public outreach/coordination efforts to minimize construction impacts to affected businesses
- Continued the review of submittals from the contractor
- Maintaining site erosion control measures

**Budget:** \$877,900

**Completion:** Fall 2021

9. **Wilcox and South Roundabout** – This project replaced the two-way stop controlled intersection with a single lane roundabout. As traffic grows, the two-way stop was expected to see increased traffic delay and safety concerns. The new roundabout is expected to improve operations and minimize accident potential.

Phase: Closeout:

- Punch list items remain
- Install crossspan on South Street across alley just south of the new parking structure
- Provide two handicap parking stalls next to Union and Barber Shop
- Final pay application to be submitted once all punch list work is completed

**Budget:** \$2,270,243

**Construction Completion:** Completed

10. **Fifth Street Widening Project Design** – 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 full build-out transportation network from South Gilbert Street to Ridge Road as identified in the TMP. The transportation network improvements identified in the TMP are as follows:

- Widening to a 4-lane major arterial configuration from Woodlands Blvd. to Ridge Road
- Implementation of on-street bike lane/shoulder from South Gilbert Street to Ridge Road
- Addition of sidewalk from Woodlands Blvd. to Ridge Road along south side of Fifth Street

**Fifth Street Widening Project Design** - The following is a summary of activities performed this month:

- Completed traffic counts at intersections for analysis
- Began setting project survey control
- Began data acquisition of existing salient features (survey)
- Held CDOT scoping meeting
- Held Design kickoff meeting

- Obtained requested revisions of CDOT IGA for construction grant

**Budget:** \$1,500,000

**Design Completion:** December 2021

**Right-of-way acquisition:** 2022

**Targeted construction:** 2023 (looking to advance all construction to 2023 in order to use \$3.5M DRCOG grant funding)

11. **Crowfoot Valley Road Widening** – Crowfoot Valley Road will be widened between the Knobcone Drive and Macanta Blvd. Currently, this section of Crowfoot Valley Road is a two lane transition section of asphalt roadway with portions in the Town of Castle Rock and in Douglas County. Recent improvements have been completed at both ends of this project along Crowfoot Valley Road, and the intent of this project is to complete improvements to the “gap” between these improvements. The proposed roadway will be a four-lane section, including painted median / turn lanes, with bike lanes in both directions.

Phase: Design—The consultant has completed the utility locates and field survey. The consultant continues with data research, including drainage report review and typical section review. Town staff has submitted initial comments on the preliminary horizontal alignment design and conceptual intersection design. The consultant is working to evaluate and make recommendations on Town comments.

**Budget:** \$2,000,000 (Town contribution to construction funding; IGA to be executed with County)

**ROW Acquisition:** End of 2021

**Traffic Signal System Upgrades** – This project is a multi-year signal system upgrade project that began in 2015 and is ongoing as funds are available. The project has included proven technology advances at signalized intersections, for our daily operations, and for communications between the center and each intersection.

- Staff is a part of the CDOT managed, adaptive signal system project that will implement adaptive signal timing on Founders and Meadows Parkway, as well as a six abutting Town signals. In June, the Town provided the project consultant, Kimley-Horn with traffic signal detection plans. Town IT staff is coordinating with the consultant and CDOT to establish protocol for data sharing.
- In July, the Town project to implement Automated Traffic Signal Performance Metric (ATSPM) system improvements, including installing advance detection equipment and improve ATSPM software dashboard functions, staff completed draft bid documents for Phase I. CDOT notified the Town that they should complete all three Phase RFPs so the project only requires one approval. Town is writing the RFPs and will submit. All clearances have been accepted and approved.

**Budget:** \$868,700

**Construction Completion:** End of year 2022

**2020 Intersection Signalization Construction Project** – Signals were constructed at Meadows Boulevard & Cherokee Drive (mast arm signal) and at Hwy 85 & Liggett Rd (temporary span wire signal).

- Signals are operational and performing well, and staff will continue to monitor them
- The intersection of Hwy 85 & Liggett Rd had luminaire arms installed in July
- Town staff completed final punch list for Hwy 85 and Liggett Rd
- Citizen's concerns over the new luminaires at Cherokee and Meadows has been addressed. Dimmable photocells were installed and four old luminaires were removed by IREA.
- The last item to complete is troubleshooting preemption devices.

**Budget:** \$588,000

**Construction Completion:** August 2021

**Rectangular Rapid Flashing Beacon (RRFB) 2021 Project** – This project completes about half of the requested pedestrian beacon crossing locations that staff received in 2019.

- Five RRFBs were installed in the end of July.
- All additional locations will be installed by the end of August.
- 11 additional locations have been identified and the cost is estimated at \$267,000, but has not moved beyond the planning phase.

**Budget:** \$250,000

**Construction Completion:** Fall 2021

# Engineering Division

## 2021 Pavement Maintenance Program (PMP)

The 2021 PMP will focus its efforts in the Central/North PMP area with additional work taking place on primary streets (Meadows Blvd./Castleton Dr., Crystal Valley Pkwy., Front Street and Scott Blvd).

Meadows Blvd/Castleton Court Concrete Restoration Project began Monday, May 17. The contractor completed the work on Meadows Blvd., Friday, July 9. The road was opened to normal traffic Monday, July 12. The contractor moved operations to Castleton Ct. and began removals on Monday, July 12. All planned work is



scheduled to be completed by August 13. The contractor will then begin work on streets included in the expanded scope afterwards.

The Asphalt Overlay Project began construction April 19. Crystal Valley Parkway and Front Street were completed during the month of June. Some night work was involved so not to disrupt local businesses.



Scott Blvd., Diamond Ridge Pkwy., Kimberly Dr. and Kryptonite Lane, were completed with night work and traffic calming devices on Memphis Ct. and New Beale St. All planned work was completed July 15. The

contractor then began to work on streets included in the expanded scope.

The Slurry Seal Project began Tuesday, July 6, with the placement of slurry seal. The contractor continued to work in the Central area and the North area. Asphalt patching will continue for a few more weeks. All planned work is expected to be complete by August 27.



The Sidewalk, Curb and Gutter Project was completed in the month of May. The contractor completed all punch list items. The project came in under contract time and budget.

The Full Depth Reclamation Project was completed in the month of May. The contractor completed all punch list items. The project came in under contract time and budget

## 2021 Facilities Parking Lot Improvements Program

This year's maintenance program will see needed improvements made to fourteen (14) parking lots from various Town Departments. These parking lots will see various improvements such as; curb, gutter & sidewalk replacement, asphalt mill and overlay, asphalt patching, slurry seal and seal coat.

Parking lots include the following:

- Service Center front & back (2 lots)
- Red Hawk Golf Course (North Half)
- Red Hawk Maintenance Shop
- Rhyolite Park
- Rec. Center
- Castle Oaks 6 Well Field
- Castle Oaks 7 Well Field
- Prairie Hawk Well Field (A7)
- Canyon South Well Field
- Woodlands 1 Well Field

- Tank 16
- Sellars Gulch Lift Station
- Mitchell Creek Lift Station

Work is scheduled to begin in early September and be complete by October 29.

### 2021 Bridge Maintenance Program (BMP)

Bids for the 2021 Bridge Rehabilitation for the S. Wilcox Bridge over E. Plum Creek will be submitted for competitive bids upon Colorado Department of Transportation's completion of environmental studies and the consultant submitting an estimation of costs. This project is expected to start in September and be complete by the end of October 2021 pending weather.

# Development Division

### Review and Permitting

**Development Review** - All 39 reviews were completed. One was late by one day by the PW Development Services Team.

**Permitting & Inspection** – 28 right-of-way permits were issued.

# Transportation Planning & Traffic Engineering Division

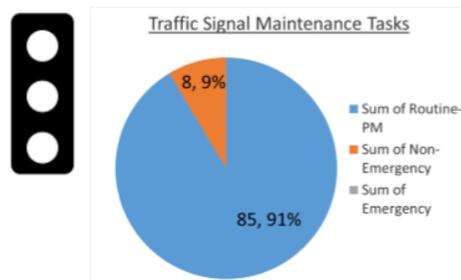
### Taxi Voucher Program

For the month of July, the Taxi Voucher Program funded 153 rides; which is a 29% increase to last year's July total of 119 rides, but a 14% decrease from last month's total rides (179). 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 July, 21 individuals used the Taxi service. Of those individuals, 63% of the rides were for work, 18% for shopping trips, and 19% for medical appointments. Forty-six rides were provided for people without access to a vehicle, 39 rides to seniors, and 68 rides to disabled riders.

The Castle Rock Senior Center provided a total of 658 rides in July.

## Traffic Engineering and Operations

### Traffic Signal Operations and Maintenance



\* Most frequently visited signals: Meadows Blvd and ~~Sagecroft~~ Way, 5th St and Woodlands Blvd, Plum Creek Pkwy and Interstate 25 Ramp, Ridge Road and King ~~Sagecroft~~, Crowfoot Valley Rd and Fire State 151.

### 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.



### 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.

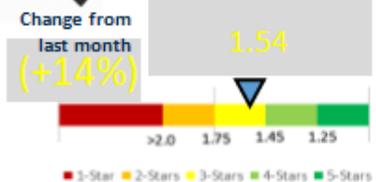


### Operations



#### Travel Time Index (TTI)

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



\*Excludes corridors under construction

## Street Signs and Pavement Marking Maintenance

For the month of July, the crew accomplished 1455 tasks. Of these tasks, 132 of them were sign work activities related to fabrication, install, repairs, replacements, inspections and investigations. 67 were related to signs and markings projects. We had 186 RRFB related tasks, including windshield inspections, repair tasks and investigations. We completed 1014 marking tasks for installations, inspections, and replacements. Of the other tasks, five work zone, 50 special events, and other locate and traffic count tasks were complete.

Paint season is well under way for the Town crew. Signalized intersection marking work by Colorado Barricade is continuing, as well as intermittent long line marking when paint is available. Almost half of markings that are within Pavement Maintenance Project (PMP) area this year have been replaced when roadway work is completed.

## 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 collector roadways. The Rising Moon Way plan to convert the mini circle to a speed hump passed. The homeowners have been notified and the work is scheduled to begin in late summer/early Fall. Staff also received NTCP inquiries for several new streets: Arabella, Echo Park, and Garganey Drive. Neighborhood support petitions for Echo Park and Arabella have been returned and speed studies have been ordered for both streets. Town staff is still awaiting a petition for Garganey Drive. Results of the speed studies for Black Canyon, Riverwood Way & Tree Top Drive show that the streets do not qualify for the traffic calming program. However, new speed studies have been ordered for Black Canyon and Tree Top once school starts at Aspen View Academy. The speed and volume criteria were close to being met on both streets during summer and conditions will be evaluated when school is in session.

### Castle Rock Downtown Alley Master Plan:

The project web page is now active and a questionnaire is available for people to fill out. Town staff and the consultant's public outreach team have finalized the communications plan. A stakeholder workshop took place in July and the first public event is scheduled for Friday, August 6th, as part of the 1st Friday event at Festival Park.

### Crystal Valley Parkway Interchange Grant:

Town staff has submitted the RAISE federal grant for construction of the Crystal Valley Parkway interchange. Announcement of the awards will be posted this Fall/Winter.

# Fleet Services

*Keeping Castle Rock on the Move*



As you drive around Castle Rock and see many different departments providing first-class service, you will notice how they rely on their Town-issued vehicles. The Fleet Division takes great pride in knowing that those vehicles are reliable and safe to operate.

Fleet Services Division continues to make sure that Town vehicles and equipment are ready for operation. This includes public safety vehicles like Police & Fire but also other department vehicles that need to be in use to provide great service for our residents.

The Fleet Division had a very productive month in July completing 108 work orders and processing a total of 96 vehicles. Total output for the month was \$77,587 with \$35,000 of that being direct labor. Technician productivity was also very high for the month of July coming in at 83.1%. Fleet availability came in at 96.8% all well above our benchmarks.

The Fleet Division also received the new set of mobile column lifts we ordered at the beginning of the year and we are very pleased with those and are looking for productivity improvements going forward using the new lifts.

New technician Mark Powell started with our team in July and has already been a very good contributor to our team's success.



Fleet staff continues to work on ordering new vehicles and equipment for 2021, so far \$2.6M in new vehicles have been ordered.

**Objective/Benchmark:** Complete at least 75% of our work orders within 24-hours of coming to shop.

**Outcome:** Fleet team completed 72.8% of the work orders within 24-hours of opening repair requests or service requests. This benchmark number shows how quickly vehicles and equipment get serviced and repaired and back on the job. This benchmark number is just under our monthly objective.

**Objective/Benchmark:** Town vehicles and equipment available for use 95% of time.

**Outcome:** Town vehicles and equipment were available 96.8% of the time. This high fleet availability rate means that Town vehicles and equipment are ready when they are called upon to perform.

**Objective/Benchmark:** Technician productivity percentage of 70% (APWA standard)

**Outcome:** Technician productivity was 83.7%. This productivity number was a very good increase considering the difficulty in getting some parts and some larger jobs that were completed.



Using our new mobile column lifts to service a 1-ton truck.

## Street Operations & Maintenance Division

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

- \*Road Verge Maintenance
- \*Sweeping
- \*Equipment Maintenance
- \*Bridge Maintenance
- \*Pothole Repair
- \*Crack Seal
- \*Special Operations
- \*Gravel Road Maintenance

### Road Verge Maintenance

In July, Streets Division personnel carried out road verge maintenance operations, which include trash and debris removal, mowing, trimming, and road shoulder repair. Crews spent 68.5 hours undertaking trash removal operations and covered 21.43 edge line miles of roadway, resulting in 35 bags of trash removed and disposed of properly. Mowing operations were carried out on 29.4 edge line miles of roadway, requiring 64 labor hours. And 94 labor hours were dedicated to rebuilding along many of the primary roads throughout town.

### Pothole Repair and Asphalt Patching

In July, crews spent 631 labor hours undertaking various asphalt and concrete repair projects throughout Town. Crews completed repairs on four utility patches for the Water Department, as well as numerous asphalt failures and potholes around Castle Rock. In performing these operations, the team used 46.67 tons of hot mix asphalt and 180 lbs. of cold mix asphalt and 750 lbs. of concrete.

### Pothole Inspection

In July, crews spent 15.01 hours working on inspection of 168.25 lane miles of roadways to identify pothole repairs that need to be performed. This operation allows for quick identification and scheduling of repairs to minimize impact of the stakeholder.

### Crack Seal Operations

In July, Streets Division crews completed 18.23 lane miles during the yearly maintenance portion of crack seal operations. Crews dedicated 57 labor hours to applying sealant to the roadways in the PMP (Pavement Maintenance Program) West area. The Crack Seal operation was completed for the 2021 maintenance cycle.

### Street Sweeping Operations

In July, crews spent 30 labor hours sweeping the Town to support the morning downtown and business area sweeping program. The team also spent 66 labor hours performing general street sweeping throughout Town. The crew swept a total 215.95 lane miles of Town roadways removing 32.5 cubic yards of material. These operations serve to maintain visibility and a usable recovery zone to the traveling public.

### Special Operations

During the month of July, Streets Division held the annual snow fighter's appreciation BBQ this is an event that includes all departments and personnel that are involved in snow operations.

### Equipment Maintenance

Crews spent 222.50 labor hours working to maintain equipment, a significant portion of the work was on the restoration of an unused trailer to haul equipment. We also completed the annual cleaning of the internal tank on the crack seal machines.

### Bridge Maintenance

In July, crews spent 105 hours working on the west bound section of the Meadows Parkway bridge. The crew worked on sanding and grinding the rails where corrosion was present and preparing for paint. When complete, Meadows Parkway bridge painting project will have 14,920 square feet of newly painted surface including guard rail, hand rail and concrete.

### Gravel Road Maintenance

In July, crews spent 60 hours and over 70,000 gallons of water on maintenance of 6.91 miles of gravel road on Rocky View and Castle Oaks.

### Looking Ahead

In August, because of the rain this summer we will perform continued mowing operations through the growing season. We will also be completing bridge maintenance and sidewalk cleaning. At the end of August, we will be crack sealing the Phillip S. Miller Park parking lot and beginning the pre PMP crack seal for the 2022 PMP area. We will also be continuing to street sweep areas that have had rain washouts as well as sweeping the downtown business area.