



Public Works Commission Agenda

Kevin Raasch, Chair
Joel Wood, Vice-Chair
Debra Beck
Gio DiDomenico
Brad Patton
Mike White
Katheryn Wille

Monday, May 2, 2022

5:30 PM

**Castle Rock Service Center
4175 N. Castleton Court
Castle Rock, CO 80104**

This meeting is open to the public. Please note that all times indicated on the agenda are approximate and interested parties are encouraged to be present earlier than the posted time. Three or more Council members may also attend this meeting, during which the items listed herein will be discussed.

5:00 P.M. Dinner and Informal Discussion

5:30 P.M. Call To Order

5:35 P.M. Public Comment on Items Not on the Agenda

5:40 P.M. Action Items

1. [PWC](#) April 4, 2022 Public Works Commission Meeting Minutes
[2021-065](#)
Attachments: [Meeting Minutes April, 4, 2022](#)
2. [PWC](#) Resolution approving the Purchase of Replacement Street Sweeper
[2021-066](#)
Attachments: [Resolution](#)
[Attachment A: Quote](#)

6:00 P.M. Informational / Discussion Items

3. [PWC](#) Project Updates
[2021-067](#)
Attachments: [March Monthly Report](#)

6:05 P.M. Town Council Liaison Comments

6:10 P.M. Commissioner Comments / Questions

6:30 P.M. Adjourn



Town of Castle Rock

Agenda Memorandum

Agenda Date: 5/2/2022

Item #: 1. File #: PWC 2021-065

To: Members of the Public Works Commission

From: Monica Cammalleri , Town Liaison

April 4, 2022 Public Works Commission Meeting Minutes

Executive Summary

Attached are the meeting minutes from the April 4, 2022 Public Works Commission meeting for your review and approval.



Public Works Commission Meeting Minutes - Draft

Kevin Raasch, Chair
Joel Wood, Vice-Chair
Debra Beck
Gio DiDomenico
Brad Patton
Mike White
Katheryn Wille

Monday, April 4, 2022

5:30 PM

**Castle Rock Service Center
4175 N. Castleton Court
Castle Rock, CO 80104**

This meeting is open to the public. Please note that all times indicated on the agenda are approximate and interested parties are encouraged to be present earlier than the posted time. Three or more Council members may also attend this meeting, during which the items listed herein will be discussed.

Dinner and Informal Discussion

Call To Order

- Present** 6 - Chair Kevin Raasch, Vice Chair Joel Wood, Commissioner Debra Beck, Commissioner Gio DiDomenico, Commissioner Mike White, and Commissioner Katheryn Wille
- Not Present** 1 - Commissioner Brad Patton
- Attendance** 5 - Caryn Johnson, Dan Sailer, Ryan Germeroth, Brian Kelley, and Monica Cammalleri

Public Comment on Items Not on the Agenda

There were no public comments.

Action Items

[PWC 2021-059](#) March 7, 2022 Public Works Commission Meeting Minutes

A motion made by Commissioner White and seconded by Commissioner DiDomenico to approve the minutes from March 7, 2022. Motion passes 6-0.

- Yes:** 6 - Chair Raasch, Vice Chair Wood, Commissioner Beck, Commissioner DiDomenico, Commissioner White, and Commissioner Wille
- Not Present:** 1 - Commissioner Patton

[PWC 2021-060](#) Resolution Approving an Intergovernmental Agreement Between the Town of Castle Rock and the Board of County Commissioners of the County of Douglas Regarding Cost Sharing for the Four Corners Intersection Improvement Project

The project is intended to improve operations at the Four Corners Intersection. This intersection is an important regional corridor and has been identified by the Town and CDOT as experiencing traffic congestion during peak traffic hours. The intersection operates near capacity during the PM peak period due to the high volume of traffic in the southbound direction. The southbound left turn and northbound left turn movements both experience excessive delays during the PM peak period. Traffic growth in the future will exacerbate this condition and cause similar levels of delay to the through

movements on each approach.

The following questions were asked by the Commission:

1. How would you handle the bike lanes going through the canyon?
A: This project is only for the intersection, future widening of SH-86 to the east will be improved by CDOT.
2. What is the current capital cost budget for this project?
A: Staff at this time is projecting this project will exceed the current approved budget for Construction, Environmental, Utilities, ROW and incidentals or Miscellaneous. Staff and the design Engineer are in the process of refining the engineer's Construction, Construction Management and Right of Way cost estimate.
3. How do we get cost sharing funding through the county?
A: PW/Douglas County directors meet monthly to partner up on projects it is at these meetings where cost sharing is discussed. Federal funds have their own process that need to be followed.

A motion made by Commissioner Willie and seconded by Commissioner Wood to approve the Resolution Approving an Intergovernmental Agreement Between the Town of Castle Rock and the Board of County Commissioners of the County of Douglas Regarding Cost Sharing for the Four Corners Intersection Improvement Project. Motion passes 6-0.

Yes: 6 - Chair Raasch, Vice Chair Wood, Commissioner Beck, Commissioner DiDomenico, Commissioner White, and Commissioner Wille

Not Present: 1 - Commissioner Patton

[PWC 2021-061](#) Resolution Approving a Construction Contract between the Town of Castle Rock and Schmidt Construction for the Ridge Road Widening Project

This project is to improve safety, reliability, and limit the amount of downtime to the communities' daily lives between SH 86 and Plum Creek Parkway, which are all important valued elements desired from the Town's transportation infrastructure. The project consists of widening Ridge Road from two lanes to four lanes, and a modification to the roundabout at Enderud Boulevard to accommodate four lanes. This project is identified in the Town's Transportation Master Plan.

The following questions were asked by the Commission:

1. Is this the part of the road we had to acquire, can you give us an update? Is that cost included in this cost?
A: The remaining fund balance is to be used to pay for the Bertleson property. Which worst case, would be around \$275,000.
2. Does the current specification of the road take the new truck route into

consideration?

A: Yes, the current pavement sections meet the truck route specification. This was designed initially since it is classified as an arterial road.

3. For the new developments going on in the area does the Town collect fees to maintain the streets?

A: Not for existing streets but if the Town can prove that the new development has damaged an existing road we will ask them to repair the section that was damaged.

4. Would the developer or the town be responsible for the access points for the new development on ridge road?

A: The developer would be responsible to construct the new access points or upgrade for a development. The Town would maintain the current accesses.

A motion made by Commissioner White and seconded by Commissioner Beck to approve the Resolution Approving a Construction Contract between the Town of Castle Rock and Schmidt Construction for the Ridge Road Widening Project. Motion passes 6-0.

Yes: 6 - Chair Raasch, Vice Chair Wood, Commissioner Beck, Commissioner DiDomenico, Commissioner White, and Commissioner Wille

Not Present: 1 - Commissioner Patton

[PWC 2021-062](#) Public Works Commission Bylaws

The Town Council recently approved updates to the Town's Municipal Code associated with all Town boards and commissions. The Town Clerk's packet provides a summary of these changes. The drafted Commission Bylaws at incorporate specific items associated with the Commission that are not covered by the recent Code updates. No substantial changes to the previous bylaws has occurred. The new required Oath of Office per the recent Code updates can be reviewed and signed independently and returned to staff.

A motion made by Commissioner White and seconded by Commissioner Willie to approve the updated the Commission's bylaws. Motion passes 6-0.

Yes: 6 - Chair Raasch, Vice Chair Wood, Commissioner Beck, Commissioner DiDomenico, Commissioner White, and Commissioner Wille

Not Present: 1 - Commissioner Patton

Informational / Discussion Items

[PWC 2021-063](#) Discussion/Direction: Fifth Street Improvements Project - Recommended Design

Staff is seeking a recommendation on the Fifth Street Improvements Project

has three primary objectives; increase multi-modal use and pedestrian safety, improve safety for the traveling public, and improve levels of service (LOS). These objectives were designed around the elements valued by the community. The project team has assessed six different alternatives, each involving different combinations of intersection improvements and lane configuration/layouts that meet project objectives.

The following questions were asked by the Commission:

1. Why did we change from a roundabout to a Light at Valley Dr.?

A: There were multiple contributing factors for this decision.

- Existing grades/topography at the location of the intersection are exceedingly difficult to overcome in order to implement a roundabout. Extensive walls and rock excavation would be required in order to “fit” a roundabout at this location. Also, the existing vertical grade of Fifth Street through this area would have to be changed dramatically to make a roundabout configuration safe, this was determined to be extremely cost prohibitive.
- Right-of-way at this location is limited and to implement a roundabout, a very large amount of property would have to be acquired to accommodate the construction and relocation of affected utilities.
- Valley drive intersects with Fifth Street at a very acute skew angle. The effects of this skew would contribute to operational/safety concerns for those drivers who would enter Fifth from Valley.

2. Who is asking for the bike lanes? Pedestrians or Town?

A: The bike lanes are proposed to be implemented with this project for multiple reasons. Not only is Fifth Street slated in its’ final condition to offer on-street bike lanes as indicated by the Transportation Master Plan (TMP), but also feedback from community members at the open house indicated a high desire to have bike facilities (17% of collected feedback).

3. Will there be a shoulder area for cars to pull over?

A: With the 4-lane design (2 in each direction from Founders to Woodlands) including on-street bicycle lanes, drivers will have adequate space to pull over and stop without being inside an active travel lane (using the bicycle lane and gutter pan as a “shoulder”).

4. What is going to be in the planting area?

A: The “planting area” is the term used in reference to the area between the sidewalk and the back of curb. In accordance with the Town’s criteria and in the spirit of the Mayor’s pledge for water conservation these areas will be seeded with native grasses that do

not require irrigation/watering.

A motion made by Commissioner White and seconded by Commissioner Wood to approve the recommendation for Town Council direction to proceed with design of the Fifth Street Improvements project based of the recommended concept design. Motion passes 4-2.

Yes: 4 - Chair Raasch, Vice Chair Wood, Commissioner DiDomenico, and Commissioner White

No: 2 - Commissioner Beck, and Commissioner Wille

Not Present: 1 - Commissioner Patton

[PWC 2021-064](#) Project Updates

Dan Sailer, Public Works Director gave an overview of the current Public Works projects/programs which was provided to the Commission in their packet

Town Council Liasion Comments

Councilperson Johnson updated the Commission staff of Council items.

Commissioner Comments / Questions

Adjourn

There being no further business, the meeting was adjourned at 7:30 p.m.



Town of Castle Rock

Agenda Memorandum

Agenda Date: 5/2/2022

Item #: 2. **File #:** PWC 2021-066

To: Members of the Public Works Commission

From: Paul Colell, Fleet Manager

Resolution approving the Purchase of Replacement Street Sweeper

Executive Summary

The purpose of this memo is to request final approval to purchase (1) 2022 Ravo Street Sweeper for the Public Works Department, Streets Division. The sweeper that is being replaced is unit #222 and has met all the requirements for replacement as outlined in the vehicle replacement policy. This replacement has been approved through the 2022 budget process. This sweeper unit was planned for replacement in 2021 but due to equipment shortages we had to wait till this year. The planned purchase price for this unit in 2021 was \$247,287 and the current purchase price is \$276,000 for 2022. The Streets Division continued making replacement contributions and has accumulated \$283,528 towards this purchase. Also estimated resale value of old sweeper will be much higher than normal years. The Streets Division has completed several comparisons and demos of different sweepers and believe this machine will best do the job they want especially in the downtown area. The price for this vehicle was obtained using the Sourcewell (NJPA) awarded contract #093021-FAY.

The resolution is being created by the Legal Department and will be included in the Town Council packet for May 17, 2022.

Budget Impact

The funding sources for the proposed expenditure of \$276,000 will be:

Vehicle Replacement Fund 221-8100-481-70-40

Staff Recommendation

Staff recommends the authorization to proceed with this purchase request.

Proposed Motion

"I move to recommend Town Council approve the purchase as introduced by title."

Attachments

Item #: 2. File #: PWC 2021-066

Resolution
Attachment A: Quote

RESOLUTION NO. 2022-

A RESOLUTION APPROVING [REDACTED]

PROJECT

WHEREAS, the Town of Castle Rock, Colorado (the “Town”) and [REDACTED]

and

WHEREAS, the Town and the [REDACTED]

NOW, THEREFORE, BE IT RESOLVED BY THE TOWN COUNCIL OF THE TOWN OF CASTLE ROCK, COLORADO AS FOLLOWS:

Section 1. [REDACTED]

PASSED, APPROVED AND ADOPTED this [REDACTED] day of [REDACTED] 2022 by the Town Council of the Town of Castle Rock, Colorado, on first and final reading, by a vote of ___ for and ___ against.

ATTEST:

TOWN OF CASTLE ROCK

Lisa Anderson, Town Clerk

Jason Gray, Mayor

Approved as to form:

Approved as to content:

Michael J. Hyman, Town Attorney

Daniel Sailer, Director of Public Works

Neverest Equipment Company

6681 Colorado Blvd Unit 5
 Commerce City, CO 80022
 (303)227-7686

Quote

Bill To	Ship To
Town of Castle Rock Public Works 4175 N Castleton Ct Castle Rock, CO 80109	Public Works Service center 4175 N Castleton Ct Castle Rock, CO 80109

Account #	Quote #	Quote Date	Valid Thru	Terms	Rep.	Ship Via	FOB
1409	5625	04/04/2022	05/04/2022	Net 30	MFedak		

Product	Description	Quantity	Unit Price	Total Price
1.1	5-iSeries 25 MPH, meeting NHTSA Road safety standards, including: Tier 4 engine, Inspection door retainer, Gutter brush angle adjustment right hand side, Step on brooms, 12V Plug inside cabin, Full heavy duty suction line, borium, Full LED package (work lights front and back, beacons, etc.) Suction nozzle camera + second monitor	1.00	232,247.00	232,247.00
7.2.2	Gutter brush angle adjustment left AND right side	1.00	869.00	869.00
7.4.1	Third brush / Weedcutter complete (including double angle adjustment)	1.00	15,109.00	15,109.00
7.4.3	Third brush quick release system	1.00	2,256.00	2,256.00
10.1	High pressure water pump with spray gun mounted right hand side	1.00	3,916.00	3,916.00
10.2	Water recycling system	1.00	4,385.00	4,385.00
12.1	Air suspended driver seat	1.00	1,505.00	1,505.00
11.1	Wander hose (8 inch) through container roof and mounted on rear door including mounting rack	1.00	4,521.00	4,521.00
7.3	Borium Fan	1.00	1,110.00	1,110.00
13.3	Blind spot camera on left hand side of cabin (connected to dashboard monitor)	1.00	1,043.00	1,043.00
Shipping	Shipping and Handling Charge	1.00	13,000.00	13,000.00
Misc	Shipping Discount 50%	1.00	-6,500.00	-6,500.00
Misc	Pricing based on Source Well Contract # 093021-FAY	1.00	0.00	0.00

Neverest Equipment Company

6681 Colorado Blvd Unit 5
Commerce City, CO 80022
(303)227-7686

Quote

Bill To	Ship To
Paul Colell Fleet Services Manager Town of Castle Rock 4175 N Castleton Ct Castle Rock, CO 80109	Paul Colell Fleet Services Manager Town of Castle Rock 4175 N Castleton Ct Castle Rock, CO 80109

Account #	Quote #	Quote Date	Valid Thru	Terms	Rep.	Ship Via	FOB
1409	5625	04/04/2022	05/04/2022	Net 30	MFedak		

Product	Description	Quantity	Unit Price	Total Price
RAV5750082	iSERIES: MAINTENANCE KIT B TIER4 (CUMM)	1.00	427.27	427.27
RAV5750084	iSERIES: MAINTENANCE KIT C TIER4 (CUMM)	1.00	699.97	699.97
RAV5750086	iSERIES: MAINTENANCE KIT C+ TIER4 (CUMM)	1.00	918.00	918.00
RAV5752441	WEARKIT EASYMOUNT	1.00	475.00	475.00

Taxable Total	Tax Rate	Tax Amount	Discount Rate
262,981.24	0.00	0.00	0.00

Quote Total
275,981.24

Thank you for your Business.

2021 Schedule of Vehicle & Equipment Purchase (Continued)

Department and Vehicle Use	Vehicle Make/Model	Estimated Salvage Value	Estimated Cost *
Transportation Fund			
Heavy Equipment Off-Road, Loaders, Tractors, Graders	John Deere 4720	\$ 5,987	\$ 66,383
Sweepers	Elgin NP Pelican	27,850	247,287
Trucks Heavy Duty, Snow Removal, Construction Dumps	International 7400	19,346	214,537
Trucks, Light Duty	Ford F-150	3,011	33,383
Trucks, Med Duty	Ford F-350 SD	5,212	57,786
Trucks, Med Duty	Ford F-350 SD	5,845	64,805
Trucks, Med Duty	Ford F-350 SD	5,845	64,805
Trailers Medium, Light	Dun-Rite 2LT7M	844	9,352
Trailers Medium, Light	Ray-Tech Mini Combo	3,995	44,293
Total Transportation Fund	9	\$ 70,585	\$ 802,631
Parks & Recreation Department			
Equipment, Off-Road, Loaders, Tractors, Graders	Bobcat 5600	5,835	\$ 65,636
Trucks, Light Duty	Ford F-150	2,950	32,707
Trucks, Med Duty	Ford F-350 SD	3,700	41,023
<i>Vehicle Additions; Equipment, Off-Road, Light duty, Mowers</i>	<i>Mower</i>	-	13,305
Total Parks & Recreation Department	4	\$ 12,485	\$ 152,671
Community Center Fund			
Vans < 10K GVWR Passenger/Cargo	Ford E-350 SD	3,375	37,424
Total Community Center Fund	1	\$ 3,375	\$ 37,424
Castle Rock Water Department			
SUV, General Purpose, Light Duty	Jeep Liberty	3,097	34,335
Trucks Heavy Duty, Snow Removal, Construction Dumps	International 7400	10,825	120,022
Trucks Heavy Duty, Snow Removal, Construction Dumps	International 5600I	24,075	266,924
Trucks, Light Duty	Ford F-150 SSV	3,759	41,680
Trucks, Med Duty	Ford F-350 SD	4,259	47,223
Total Castle Rock Water Department	5	\$ 46,015	\$ 510,184
Total - All Departments		\$ 280,736	\$ 3,132,915
3% Contingency			93,987
2021 Vehicle & Equipment Replacement Total	43	\$ 280,736	\$ 3,226,902

* Estimated cost is for a planned vehicle, actual cost may be adjusted according to requirements determined by the department



Town of Castle Rock

Agenda Memorandum

Agenda Date: 5/2/2022

Item #: 3. **File #:** PWC 2021-067

To: Members of the Public Works Commission

From: Daniel Sailer, Public Works Director

Project Updates

Executive Summary

An Overview of the current Public Works projects/programs.



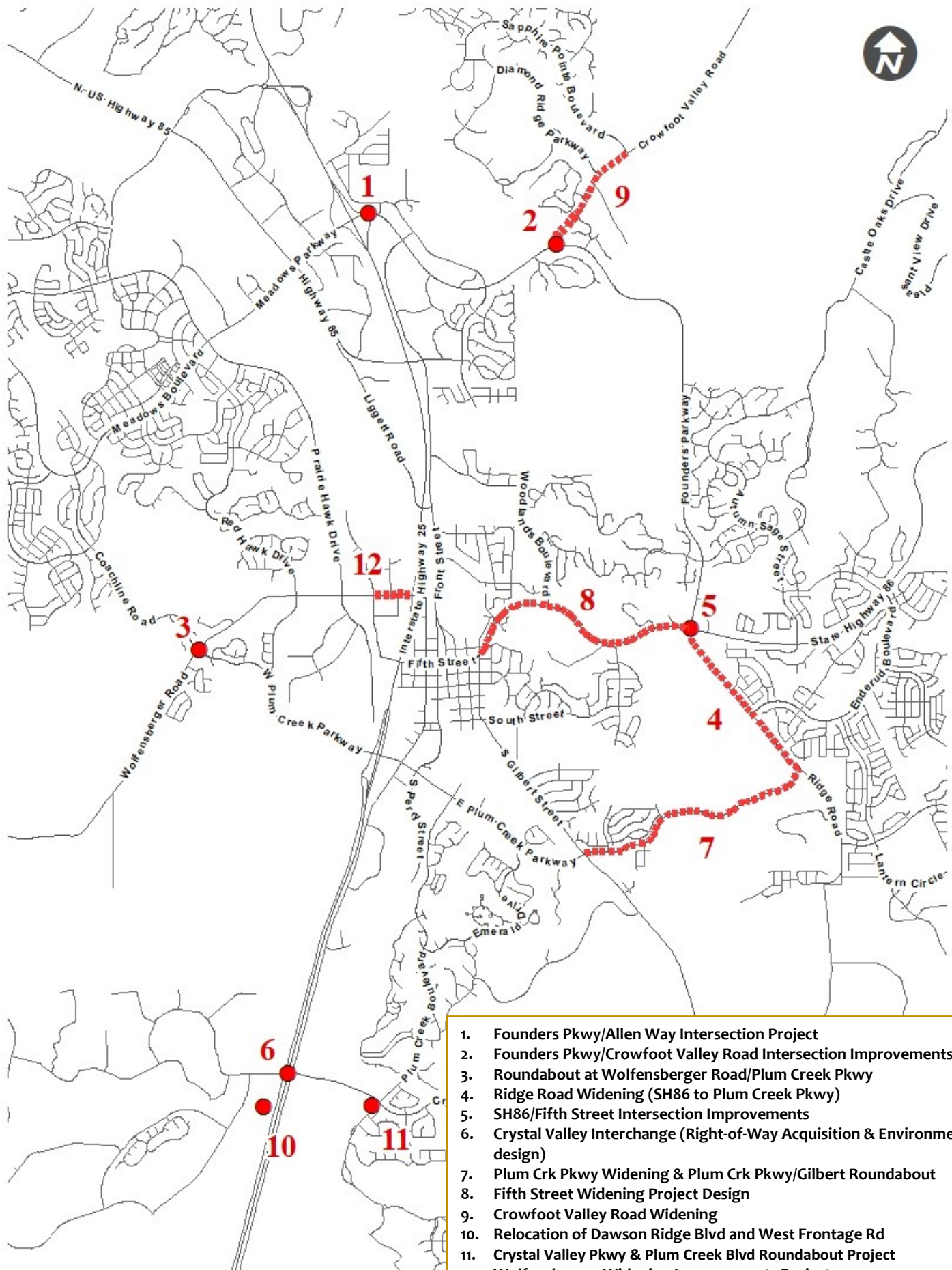
Monthly Report

March 2022

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. Fifth Street Widening Project Design
9. Crowfoot Valley Road Widening
10. Relocation of Dawson Ridge Blvd and West Frontage Rd
11. Crystal Valley Pkwy & Plum Creek Blvd Roundabout Project
12. Wolfensberger Widening Improvements Project

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 – Project Closed – Town received the Colorado Department of Transportation Project Closure Form 950 on March 29, 2022.

Budget: \$2.64M

Close Out: Complete

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: Project Closed – Town received the Colorado Department of Transportation Project Closure Form 950 on March 29, 2022.

Budget: \$3,550,000

Close Out: Complete

3. Wolfsberger 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: – 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 landscaping work is anticipated to be complete by Fall 2022. The work completed this month in progression to project closeout is as follows:

Completed irrigation and landscaping work on adjacent property

Remaining Budget: \$137,000

Final Completion: Complete

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: Stanley Consultants is the design firm for the project. The following is a summary of the activities performed this month:

- Four competitive bids were received on March 8
- Schmidt is the confirmed lowest bidder, having met the minimum qualifications as required by the contract
- Town has acquired immediate possession of the condemnation property

Phase - Construction:

- Town staff is approaching Public Works Commission on April 4, requesting a favorable recommendation for Town Council to approve a construction contract at the April 5 meeting
- Construction is anticipated to begin in early May and be completed by end of October 2022

Budget: \$5,225,000

ROW Acquisition: Late Spring 2022

Targeted Construction Completion: Fall 2022

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 working on the following:
 - Water quality
 - Retaining walls design
 - 90% design plans
 - Subsurface Utility Engineering
 - Coordination with the Fifth St. and Ridge Rd. projects
- IGA with Douglas County will be presented to Town Council on April 5th. This IGA is for a contribution to the project of 1 million dollars from Douglas County

Budget: \$1,275,676, with DRCOG Grant Reimbursement

Design Completion: 3rd quarter 2022

ROW Acquisition: 2nd quarter 2022

Targeted Construction Completion: Winter 2023

6. Crystal Valley Interchange – Pre-construction Activities – The purpose of this project is to achieve acquisition of remaining right-of-way, complete design, 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 the condemnation process for the Boone Family property. The remaining properties are in various states of negotiation
 - West side of I-25 – The remaining property is in negotiation

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

- Traffic modeling methods and assumption final report was submitted
- Traffic forecasting report was submitted for review
- Environmental/NEPA (National Environmental Policy Act) clearances – Team continues to work on developing impacts and mitigations section of the technical memorandum, continues to work on developing the noise verification and air quality memorandum
- Interviews were conducted with three of the six firms that submitted proposals for the Construction Management/General Contractor (CM/GC); The evaluation panel, which includes stakeholders from CDOT, Douglas County and the Town scored the top ranked firms utilizing the approved scoring forms and will be making their recommendation for CM/GC firm at the March 15th Council meeting

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

Completion: Summer 2023

Targeted Construction Completion: Summer 2025

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 1B: Plum Creek Pkwy Widening and Roundabouts Gilbert to Eaton): Construction (100% Complete) - The following is a summary of activities performed this month:

- Executed contract and began material procurement for Baldwin Park
- Executed final change orders with prime contractor to begin final advertisement/closeout

Roadway and roadside improvements are complete. The project continues procurement activities to restore Baldwin

Park. Remaining work includes: Baldwin park irrigation and landscaping restoration work.

Budget: \$7,507,723

Construction Completion: Complete

Phase 2: Plum Creek Pkwy Widening (Eaton to Ridge): Design and ROW Acquisition (98% Complete) – The following is a summary of design activities performed this month:

- Sent offer letters related to needed easements
- Executed contract with CORE Electric for needed relocations and street light installations
- Continued coordination efforts with stakeholders related to future utilities
- Obtained contractor bids for the construction of the widening project

Design & ROW Completion: Design—Complete; **ROW**—May 2022

Targeted Construction Completion: Winter 2022-2023

8. **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 improvements include:

- Widening to accommodate future traffic demand
- Intersection improvements at Valley Drive and Woodlands Boulevard
- 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

Phase – Design (15% Complete)

- Completed geotechnical borings for retaining wall and pavement design
- Submitted design recommendation for Town Council discussion/direction
- Continued design coordination with Four-Corners Intersection Project in terms of water quality, and project transitions
- Continued research for environmental and historical impacts for NEPA (National Environmental Policy Act) clearances
- Various department coordination to confer design decisions

Budget: \$1,500,000

Design Completion: December 2022

Right-of-way acquisition: Winter 2022-2023

Targeted Construction Completion: Winter 2023-2024

10. **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: Town submitted IGA comments to Douglas County for review. Douglas County submitted conceptual design elements for the Town to review. Town comments have been submitted to Douglas County for comments.

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

ROW Acquisition: Spring 2022

Design Completion: Summer 2022

Targeted Construction Completion: Spring 2023

11. **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: Design — CORE Consultants is the design consultant for this project. The following is a summary of the activities performed this month:

- The project moved into preliminary design
- Geotech work continues on the boring and development of pavement design

Budget: \$299,000

Design Completion: December 2022

Targeted Construction Completion: Summer of 2025 in conjunction with Crystal Valley Interchange

12. **Crystal Valley Pkwy & Plum Creek Blvd Roundabout Project**

This intersection is a major arterial currently controlled by stop signs in two directions. As the traffic volumes increase and with ongoing residential development and future construction of the new Crystal Valley Interchange, this existing traffic control will not be the most efficient and could contribute toward increased accidents. This project will accomplish the design of a roundabout intersection in order to improve the traffic capacity of the intersection, help to manage speeds along Crystal Valley Parkway, and to accommodate the growth in traffic that is expected to increase once the Crystal Valley Interchange has been constructed.

This project is scheduled to be designed by June, 2022, bid in June, 2022, and constructed by Summer 2023.

Phase: Design -

Finalized the following:

- Existing conditions design base files
 - o 30% plans horizontal and vertical design of the roundabout
 - o Traffic report
 - o Roundabout performance checks

- Started the 30% plan review
- Continue the following:
 - o Geotech lab testing of bores
 - o Confirm pavement core depths
- Refine grading tie-in locations
- Continued roundabout design

Budget: \$400,000

Design Completion: June 2022

Targeted Construction Completion: Summer 2023

13. **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 full build 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 At Red Hawk/Auburn
- Storm water drainage improvements
- Implementation of on street bike lanes West/East bound

Phase— Planning/Design—Awaiting comments on Pre-App from Development Services

RFP being finalized for approval and posting

Budget: \$2,500,000

Design Completion: March 2023

Right of Way Acquisition: 2023

Construction: 2024

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 six abutting Town signals. The adaptive system was estimated to be operational by April 2022, but the date has been pushed back until May 2022.
- The Town’s ATSPM project is broken into two phases. Phase I includes detection purchase and installation at 15 intersections. Adiona Transportation Solutions completed Phase I last week. Phase II includes software development and signal timing. A kick-off meeting was held in March with the selected consultant, Kimley-

Horn.

- The Town is identifying detection upgrades at four intersections in 2023. Detection was replaced at Factory Shops Blvd and Promenade Pkwy, Factory Shops Blvd and Outlet Access, Front and Liggett, and Front and Sam Walton in March.

Budget: \$868,700

Targeted Construction Completion: End of year 2023

2022 Safety Projects – This project includes installing Rectangular Rapid Flashing Beacons (RRFBs) at five locations, roadway improvements at five locations, and safety improvements on Gilbert Street.

- The Butterfield Crossing Drive raised crosswalk is scheduled to be replaced on April 9th.
- RRFBs will be installed at South Street and Wilcox Street, Blackfeather Trail and Trail Boss Lane, Meadows Boulevard and Shane Valley Trail, South Street and Burgess Drive, and at Gilbert Street and First Street in summer 2022.
- Roadway improvements to be completed in summer 2022 include pedestrian refuges at Blackfeather Trail and Trail Boss Lane and South Street and Burgess Drive to support RRFBs, and median enhancements at Front Street and Milestone Lane identified in the recent Crash Facts Report, and sidewalk extensions on Mickelson Boulevard and Turnstone Avenue, and Mickelson Boulevard and Bonner Street to support a Safe Route to School.
- As part of the Gilbert Street PMP full depth replacement project, speed management improvements including speed cushions, a raised crosswalk, and curb extension is planned to increase safety and reduce speeds.
- A 1st quarter budget amendment was recommended by staff to complete these safety projects and will go to Town Council in April. The approved budget of \$100,000 is enough to complete the RRFB installations.

2022 Budget: \$100,000, requesting additional funds in budget amendment

Construction Completion: Fall 2022

Illuminated Street Name Signs – Illuminated street name signs have been delivered for Meadows Blvd and Prairie Hawk Dr, Wolfensberger Rd and Prairie Hawk Dr, Meadows Pkwy and Hwy 85, and Meadows Pkwy and Factory Shops Blvd. Scheduling the install is underway and will be completed by our traffic signal maintenance on-call contractor.

- 2022 illuminated street name signs are currently in the planning phase and are proposed at four locations throughout the Town.

2022 Budget: \$58,000

Construction Completion: Fall 2022

Engineering Division

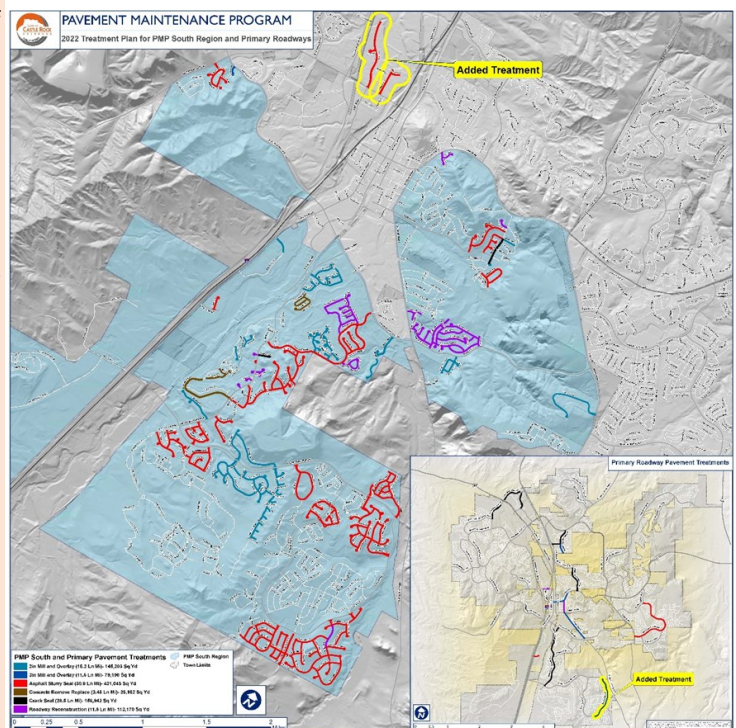
2022 Pavement Maintenance Program (PMP)

The 2022 PMP will focus its efforts in the South PMP areas along with work taking place on several primary streets: (E. Loop Road, 5th Street, Gilbert Street, Mikelson Blvd, and Woodlands Blvd). A section of Mount Royal Drive, as well as certain residential neighborhood streets, will see reconstruction this year. All contracts were presented to the Public Works Commission on March 7, and Town Council on March 15. All recommendations and all contracts were approved. The 2022 PMP contracts include:

- Asphalt Overlay
- Full Depth Reclamation
- Curb, Gutter and Sidewalk Replacement
- Slurry Seal
- Concrete Remove & Replace Reconstruction
- Town Facilities Parking Lot Improvements

A Public Outreach open house was held March 24, at the Public Works Service Center. Staff attended the open house to address each PMP project and answer any questions residents had.

The PMP map (shown below) indicates the proposed scheduled treatments for street within the South PMP area and Primary Streets. This map may change based on maintenance treatments and resources available.



Condition Rating

Condition ratings for the East PMP area was completed March 3. Staff completed all local streets as well as Primary streets for the 2023 PMP maintenance season.

2022 Facilities Parking Lot Improvements Program

The bid opening for this program is complete, with the low bid coming in under budget. Staff presented the contract to the Public Works Commission March 7 and Town Council March 15 with recommendation to award.

This program will see needed improvements to nine (9) Town facilities and parking lots as follows:

Perry St. Fire Station #151	Meadows Treatment Plant
Police Department	Diamond Ridge Pump Station
Centennial Park (Burgess Pool)	Matney Park
Butterfield Park Parking Lot	Coachline Parking Lot
PCWPF Treatment Plant	

2022 Bridge Maintenance Program

Staff has secured a service agreement, contract and task order with BASIS Partners. The consultant is in the process of identifying bridge(s) that require maintenance in 2022. Staff will work with the consultant and expects to present a maintenance packet for competitive bids in April. Maintenance operations are expected to begin in late Spring.

Development Division

Review and Permitting

Development Review - All 71 reviews were completed. No late reviews this month.

Permitting & Inspection – 13 right-of-way permits were issued.

Transportation Planning & Traffic Engineering Division

Taxi Voucher Program

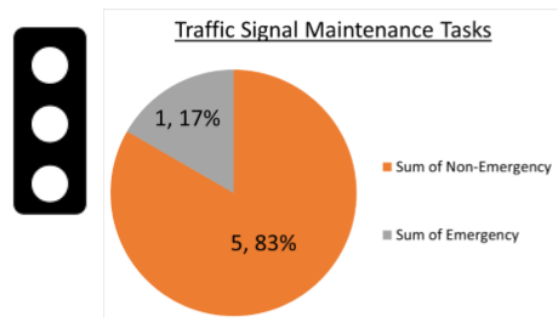
For the month of March, the Taxi Voucher Program funded 152 rides; which is a 3% increase to last year's March total of 148 rides, and a 25% increase from last month's total rides. Transportation services are provided for Castle Rock citizens who cannot drive, have a disability that prevents them from driving, or do not have access to a vehicle. In March, 23

individuals used the Taxi service. Of those individuals, 67% of the rides were for work, 29% for shopping trips, and 4% for medical appointments. Twenty-seven rides were provided for people without access to a vehicle, 58 rides to seniors, and 67 rides to disabled riders.

The Castle Rock Senior Center provided 919 rides in March.

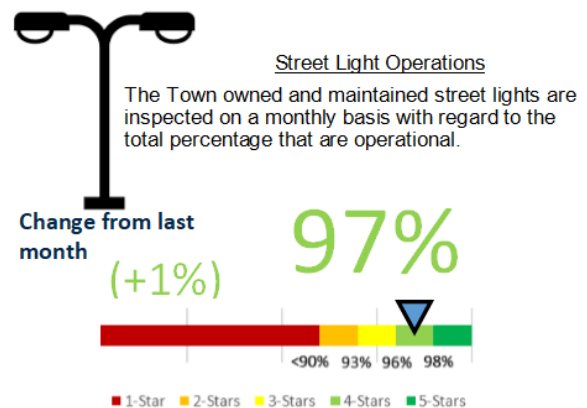
Traffic Engineering and Operations

Traffic Signal Operations and Maintenance

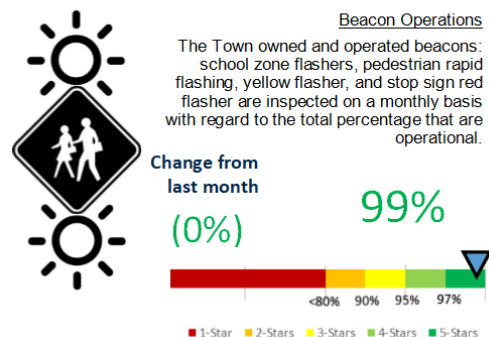


- Most frequently visited signals: Plum Creek Pkwy and Perry St, Plum Creek Pkwy and I-25 North Ramp. In March, 19 intersection detection upgrades were completed and illuminated street name signs were prepped for install. Coordination of Town teams with two vendors and two contractors in four projects.

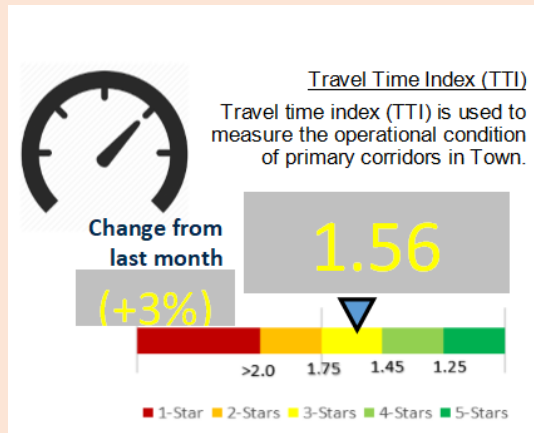
Street Light Operations



Beacon



Operations



Street Signs and Pavement Marking Maintenance

For the month of March, the crew completed 535 tasks. Of these tasks, 205 of them were sign work activities related to fabrication, install, repairs, replacements, inspections and investigations. We had 195 RRFB related tasks, including windshield inspections, and repairs. Other tasks included 31 small projects, five tasks associated with open houses providing traffic control, two traffic count tasks, as well as providing CDL drivers for a couple snowstorm events.

Transportation Planning

Castle Rock Downtown Alley Master Plan:

The project team was busy developing the draft report in March. It will be placed on the project web page in April for public review and comment. Presentations are also planned with the Downtown Alliance groups and the Chamber of Commerce in April. It will then be shared with the Public Works Commission and Town Council for adoption later this spring.

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. One inquiry for N. Meadows Drive near Jonquil Street was received in March. The street is located in the Meadows subdivision. The Town has sent the initial support petition to the point of contact and received the petition back with homeowner signatures. A speed study will be scheduled for the street. A speed study for Switch Grass Drive is also scheduled, weather dependent. The point of contact for both streets will be notified of the results once the studies have been completed. If it study data meets the program criteria the neighborhood will be asked if they would like to proceed with the next step of the traffic-calming program.

Downtown Castle Rock Grants:

The CDOT Revitalizing Main Streets grant for \$150,000 with a local match of \$15,000 is still on-going. The schedule for the high visibility crosswalks is still scheduled for the first part of May pending concurrence of the proposed layout and color from

Town staff. Town staff is proceeding with the purchase and installation of the benches and trashcans, which will be distributed throughout Downtown. Town staff has gotten direction to pursue constructing the curb extensions in front of B&B Café and Castle Café in concrete. The outdoor dining area upgrades in front of Z'Abbracci's will be made by the DDA.

DRCOG Transportation Improvement Program (TIP):

DRCOG has closed the first call for projects. The regional projects submitted by each sub-region can be viewed and commented on through the DRCOG web site. The Douglas County sub-regional steering committee submitted the following projects:

Lone Tree Mobility Hub

Havana Street bike/ped trail project

I-25 bike/ped overpass north of I-25/Happy Canyon interchange

The second call for projects is expected to be released in May. This call will focus on bike, pedestrian and transit projects in Douglas County. Town staff are reviewing candidate projects to submit on behalf of the Town.

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 continued keeping Castle Rock on the move with a very busy month of March with plenty of maintenance work and preparing new vehicles for service. We completed 128 work orders and processed 136 vehicles for the month. Total output for the month was \$85,021 parts and labor billed out this was another excellent output especially with only three technicians out of allowed the five. Technician productivity was also very good for the month of March coming in at 79.2%. Fleet availability came in at 97.3% which is back to pre-pandemic levels and well above our benchmarks.

All three of our technicians completed diagnostic training which

was focused on electrical circuits. Fleet also put into service an F350 work truck for the water department and are now putting the finishing touches on a new truck for the Streets Division.

Objective/Benchmark:

Complete at least 75% of our work orders within 24-hours of coming to shop.

Outcome: Fleet team completed 85% of the work orders within 48-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 97.3% 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 79.2%. This productivity number was a very good increase considering the difficulty in getting some parts and some larger jobs that were completed.



Street Operations & Maintenance Division

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

- | | |
|----------------------------|------------------------|
| *Equipment Maintenance | * Roadway Ice Breaking |
| *Snow and Ice Control | *Sweeping |
| *Road Shoulder Maintenance | *Pothole repair |

Equipment Maintenance

Streets Division Crews dedicated 444.5 hours to maintaining the equipment need to perform vital functions throughout the Town. Their efforts are focused on ensuring plow equipment was ready for the snowstorms that occurred during March, as well as preparing equipment for deployment for operations that are planned, such as sweeping and crack seal.

Roadway Icebreaking

Icebreaking was still a primary goal during March even with the warming temperatures helping the process out significantly.

Over the course of 350 hours Streets Crews cleared 14490 linear feet of ice using over 18 tons of salt to clear significant ice buildup all over the Town.

Sweeping

Streets Division strives to protect air and water quality by sweeping up much of the material placed on roadways during plowing operations. This last month crews were able to clean 352 lane miles of roadway in the Town, removing 1019 cubic yards of material from the road.

Snow and Ice Control

The Town Plow crews responded to 3 snow events during the month of March. A total of 16.1 inches (official measure) fell on the Town over the course of the month and crews worked 619.5 hours to mitigate the impact these storms had on the travelling public, completing plow operations on average 4.5 hours after the snow stopped. A total of 41.25 tons of straight salt and 313.5 tons of salt mixed with aggregate were put down to control icing and provide traction.

Road Shoulder Maintenance

Crews worked to execute repairs to 5.17 miles of road shoulder along Castle Oaks during a brief window of opportunity. These operations preserve the integrity of the road verge, which in turn provides an area for vehicles to leave the roadway if needed.

Pothole Repair

Crews spent 217 hours repairing potholes throughout the Town. Using 9300 lbs. of cold mix asphalt to repair the equivalent of 620 potholes over 32 lane miles of roadways. The significant freeze/thaw cycle the Colorado front range experiences each year being a primary driver for the creation of potholes, this will be one of the bigger maintenance tasks over the next few months.

Looking Ahead

Looking into April, Streets Division will maintain vigilance for snow storms as we are not out of snow season yet. We are however, in pothole season and as such crews will be out trying to repair potholes all over the Town. Pretreatment for weeds, identification and scheduling for road shoulder repair and grading operations, as well as crack seal operations are set to begin in April as weather permits.