



Item # ____

Meeting Date: September 3, 2019

AGENDA MEMORANDUM

To: Honorable Mayor and Members of Town Council

From: David L. Corliss, Town Manager

Title: Discussion/Direction: Transportation CIP

Executive Summary

Annual budgeting and financial planning includes staff recommendation of the Townwide Capital Improvement Program (CIP). Each year, the Town Council approves the annual budget ordinance as well as a resolution that identifies planned capital projects for the upcoming five-year period. This capital project plan is subject to change and is affirmed by Town Council annually.

Planning for the Proposed 2020 Budget resulted in changes to the Transportation Capital Fund CIP compared to what was reflected in 2019 planning. The Proposed 2020 Budget ordinance is being presented tonight, September 3, 2019, for first reading, and will be presented on September 17, 2019 for second reading. Additionally, the Resolution Approving the 2020 – 2024 Five-Year Capital Improvement Program will be presented on September 17, 2019 for Town Council approval.

This memo is intended to provide additional information related to the changes to the Transportation Capital CIP from 2019 to 2020. This is for discussion purposes only and no Council action is required at this time.

Discussion

The 2019 Adopted Budget includes the Council approved Transportation Capital Fund CIP for years 2019 – 2023 (**ATTACHMENT A**). Annually, as part of the budget development process, staff evaluates and recommends proposed capital projects. This review can result in changes to planned projects including the timeline in which they may occur. Factors that may affect this schedule include:

- Transportation Master Plan
- Notification of additional outside funding (grants/contributions)
- Opportunities to gain efficiency and cost benefit by combining planned maintenance with expansion projects
- Balancing “construction fatigue” across Town neighborhoods
- Availability of financial resources
- Professional judgment

During preparation of the Proposed 2020 Budget, staff reviewed Transportation related projects in order to provide a recommended CIP to the Town Council for approval. This review resulted in shifting of some projects from what was approved in the 2019 Budget. The listing of recommended projects included in the 2020 – 2024 Transportation Capital Fund CIP is included in **ATTACHMENT B**, with more information about each project available in **ATTACHMENT C**. One of the notable changes between 2019 and 2020 planning includes the ability to fund \$20 million towards construction of the Crystal Valley Interchange by 2023. In order to accommodate this change, other projects were affected, such as shifting the widening of Ridge Road from 2020 to 2023.

Resources to support the projects in the Proposed 2020 Budget and 2020 – 2024 CIP Planning include supplemental transfers from the Transportation Fund (Sales Tax), revenue resulting from the recommendation to increase impact fees to the maximum allowable rate effective January 1, 2020, and grant/contribution funding as known – including \$1 million from Douglas County and \$4.225 million from DRCOG for the Highway 86/5th Street project. Funding to implement the many projects identified in the Transportation Master Plan is limited and staff works to maximize funding sources to accomplish as many projects as possible in the most efficient way.

The Transportation Capital CIP for 2020 – 2024, as shown in **Attachment B**, is reflected in the Town Manager's recommended budget. However, the Town Council ultimately approves the annual budget and the Town's CIP planning. The Proposed 2020 Budget ordinance is being presented at the September 3, 2019 and September 17 meetings. The resolution to approve the 2020 – 2024 Capital Improvement Program will be presented for Town Council approval on September 17, 2019.

Proposed Motion

This memo is intended for discussion/direction purposes only.

Attachments

Attachment A: Transportation Capital Fund CIP Summary (2019 Adopted Budget)

Attachment B: Transportation Capital Fund CIP Summary (2020 Proposed Budget)

Attachment C: Recommended Transportation CIP Overview

2019-2023 CAPITAL IMPROVEMENT PROGRAM
TRANSPORTATION CAPITAL FUND
PUBLIC WORKS DEPARTMENT
PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2019	2020	2021	2022	2023	Total
Plum Creek Pkwy Widening & Roundabout	\$ 4,667,500	\$ -	\$ 4,320,500	\$ -	\$ -	\$ 8,988,000
Plum Creek Pkwy Widening-West	-	398,000	2,757,000	-	-	3,155,000
5th St Widening	-	537,500	-	5,500,000	-	6,037,500
Ridge Road Widening	-	4,540,500	-	-	-	4,540,500
Hwy 86 and 5th St. Improvements	-	-	-	4,000,000	-	4,000,000
Wolfensberger Widening	-	-	-	900,000	7,302,000	8,202,000
Wolfensberger and Red Hawk Roundabout	-	-	-	300,000	2,325,600	2,625,600
Crowfoot and Timber Canyon Roundabout	365,000	-	2,660,000	-	-	3,025,000
Highway 86 Widening-Ridge to Enderud	-	-	576,363	-	4,125,625	4,701,988
Wilcox and South Street Roundabout	1,250,000	-	-	-	-	1,250,000
Crowfoot Valley Road Widening	-	-	-	653,310	-	653,310
Prairie Hawk Widening	-	-	-	451,500	2,534,500	2,986,000
Crystal Valley Parkway Interchange	500,000	500,000	500,000	500,000	500,000	2,500,000
North Meadows Drive Widening	250,000	250,000	250,000	250,000	250,000	1,250,000
Total Expenditures by Year	\$ 7,032,500	\$ 6,226,000	\$ 11,063,863	\$ 12,554,810	\$ 17,037,725	\$ 53,914,898

Project Funding Sources	2019	2020	2021	2022	2023	Total
Impact Fees	\$ 2,365,000	\$ 5,688,500	\$ 6,743,363	\$ 6,754,810	\$ 14,712,125	\$ 36,263,798
Building Use Tax	4,667,500	537,500	4,320,500	5,800,000	2,325,600	17,651,100
Total Funding Sources by Year	\$ 7,032,500	\$ 6,226,000	\$ 11,063,863	\$ 12,554,810	\$ 17,037,725	\$ 53,914,898

Funding Source information is intended to identify the revenue that is planned to pay for the capital projects included. While additional revenue is anticipated to be received each year, this information identifies only what is necessary to fund the Capital Improvement Program.



Completed Improvements at Plum Creek Parkway and Wilcox St

2020-2024 CAPITAL IMPROVEMENT PROGRAM
TRANSPORTATION CAPITAL FUND
PUBLIC WORKS DEPARTMENT
PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2020	2021	2022	2023	2024	Total
Plum Creek Pkwy Widening & Roundabout	\$ 3,660,000	\$ 4,050,000	\$ -	\$ -	\$ -	\$ 7,710,000
Ridge Road Widening	-	-	75,000	4,553,000	-	4,628,000
Hwy 86 & 5th St. Improvements	1,200,000	-	5,300,000	-	-	6,500,000
5th Street Widening	-	-	1,298,000	374,000	1,198,000	2,870,000
Wolfensberger Widening & Roundabout	-	-	2,400,000	1,100,000	11,700,000	15,200,000
Wilcox and South Roundabout	600,000	-	-	-	-	600,000
Crowfoot and Timber Canyon Roundabout	-	-	-	2,222,000	-	2,222,000
Crowfoot Valley Road Widening	-	-	-	785,000	-	785,000
Prairie Hawk Widening	-	-	-	525,000	2,877,000	3,402,000
Crystal Valley Parkway Interchange	4,600,000	2,600,000	12,800,000	-	-	20,000,000
Total Expenditures by Year	\$10,060,000	\$ 6,650,000	\$21,873,000	\$9,559,000	\$15,775,000	\$63,917,000

Project Funding Sources	2020	2021	2022	2023	2024	Total
Impact Fees	\$ 5,776,000	\$ 2,600,000	\$17,272,000	\$9,559,000	\$15,775,000	\$50,982,000
Residential Building Use Tax	3,660,000	4,050,000	-	-	-	7,710,000
Federal Grant	624,000	-	3,601,000	-	-	4,225,000
County Contribution	-	-	1,000,000	-	-	1,000,000
Total Funding Sources by Year	\$10,060,000	\$ 6,650,000	\$21,873,000	\$9,559,000	\$15,775,000	\$63,917,000

Funding Source information is intended to identify the revenue that is planned to pay for the capital projects included. While additional revenue is anticipated to be received each year, this information identifies only what is necessary to fund the Capital Improvement Program.



Wolfensberger Road and Plum Creek Parkway Roundabout

Recommended 2020-2024 Transportation Capital Improvement Program (5-Year CIP)

The following table lists projects in staff's perspective that are the highest priority over the next five year period. This priority list was based on several considerations: 1) Capacity needs as outlined within our approved Transportation Master Plan, 2) Geographical distribution across the town, 3) Coordination with maintenance needs, and 4) Staff perspective on needs from observations and stakeholder feedback. Forecasted revenue has been utilized to place respective project phases into the various years in order to provide a balanced combined Transportation, and Transportation Capital funds balance for each year.

Project	Description	Design		ROW		Construction	
		\$ Est.	Year	\$ Est.	Year	\$ Est.	Year
Plum Creek Parkway Widening - Gilbert St to Eaton St	Construct two new roundabouts: one at Gilbert St, and one at Eaton St. Widen to two through lanes in each direction between Gilbert and Eaton.	Complete	N/A	In-progress	N/A	\$3.66M	2020
Wilcox St at South St - Roundabout	Construct a single-lane roundabout in coordination with the parking garage construction. The 2020 funding is to increase the current budget to meet updated cost estimate.	In-progress	N/A	In-progress	N/A	\$600,000	2020
Plum Creek Parkway Widening - Eaton St to Ridge Rd	Construct two new through lanes to bring the total to four (two in each direction)	Complete	N/A	In-progress	N/A	\$4.05M	2021
Crystal Valley Interchange	Provide a total of \$20 Million in combined preconstruction services, and cash to allow for construction to begin by 2023 if partner funds are available. Property acquisition is currently underway using developer funds received to date.	\$2.60M	2021*	\$4.60M for remainder	2020	\$12.80M	2023**
Hwy 86 at Fifth St - Roundabout	Construct a multi-lane roundabout. This is a jointly funded project utilizing a federal grant from DRCOG (\$4,225,000), Town, and County funds (\$1,000,000).	\$1.20M	2020	Included in design yr.	2021	\$5.30M	2022
Ridge Road Widening - Plum Creek Pkwy to Hwy 86	Construct two new through lanes to bring the total to four (two in each direction). Remaining ROW need is for temporary construction easements.	Complete	N/A	\$75,000	2022	\$4.55M	2023
Crowfoot Valley Road Roundabout	Construct a multi-lane roundabout at a yet to be determined intersection to assist with reducing speeds at the Town/County boundaries, and improve traffic operations.	In-progress	N/A	In-progress	N/A	\$2.22M	2023
Wolfensberger Rd Widening (Design & ROW) - Prairie Hawk Dr to Miller Park Entrance	Design full project scope to provide for ultimate four through lanes (two in each direction), and acquire all permanent property acquisitions.	\$2.40M	2022	\$1.10M	2023	N/A	N/A
Wolfensberger Rd Widening - Prairie Hawk Dr to Red Hawk Dr	Phase 1 Construction : Construct an additional eastbound through lane, and construct sidewalk where gaps exist between Prairie Hawk and Miller Park entrance (north side of road)	N/A	N/A	N/A	N/A	\$4.80M	2024
Fifth St Widening (Design & ROW) - Gilbert St to Hwy 86	Design full project scope to provide for one additional eastbound through lane between Gilbert St and Woodlands Blvd., and the ultimate four through lanes (two in each direction) between Woodlands Blvd and Hwy 86. Include sidewalk along south side of road.	\$1.30M	2022	\$370,000	2023	N/A	N/A
Fifth Street - Pedestrian Improvements	Phase 1 Construction : Construct sidewalk on south side of street between Gilbert St and Hwy 86	N/A	N/A	N/A	N/A	\$1.20M	2024
Wolfensberger Rd Widening - Red Hawk Dr to Miller Park Entrance	Phase 2 Construction : Construct two new through lanes to bring the total to four (two in each direction), and construct sidewalk on south side of road.	N/A	N/A	N/A	N/A	\$6.90M	2024
Crowfoot Valley Road Widening - Town Boundary to Knobcone Dr	Construct two new through lanes to bring the total to four (two in each direction). This should occur in conjunction with, or after, the County's widening project in order finalize scope and cost.	\$790,000	2023	Included in design yr.	2024	Not part of 5-Year CIP	Not part of 5-Year CIP
Prairie Hawk Drive Widening - Wolfensberger Rd to existing 4-Lane segment	Construct two new through lanes to bring the total to four (two in each direction)	\$530,000	2023	N/A	N/A	\$2.88M	2024

* Previous design efforts have allowed for ROW to be identified		2020	2021	2022	2023	2024
**Requires balance of construction funding from partners, and approval from FHWA to begin construction in 2023	Combined forecasted Transportation and Transportation Capital funds balance \$ (Millions)	\$880,000.00	\$660,000.00	\$1.07M	\$6.11M	\$1.32M

Future Unfunded Transportation CIP

The following tables list projects that have been identified in the Town's approved Transportation Master Plan that have not been included into a funding year. Projects are group by mid-term and long-term priority as identified in the Transportation Master Plan to increase capacity needs in order to accomodate projected traffic growth associated with regional and town development forecasts. They are not in a priority order.

Mid-Range (by 2030 per Transportation Master Plan)

Project	Description	Project Estimate
<i>Coachline Road at Foothills Drive</i> - Roundabout	Construct a multi-lane roundabout at existing intersection	\$2,000,000
<i>East Frontage Road Improvements</i> - Plum Creek Pkwy to Crystal Valley Pkwy	Construct operational improvements along segment to include: intersection turn lanes plus signals as necessary, improved shoulders, and pedestrian improvements.	\$7,276,000
<i>Fifth Street Widening</i> - Gilbert St to Hwy 86	Phase 2 Construction : Widen to three through lanes by adding an eastbound through lane (one westbound, two eastbound)	\$2,900,000
<i>Highway 86 Widening</i> - Ridge Rd to Enderud Blvd	Widen roadway to four through lanes (two lanes in each direction). This is a CDOT owned roadway and is likely a good candidate for funding partnerships.	\$4,479,000
<i>Mikelson Boulevard at Mitchell Street</i> - Roundabout	Construct a multi-lane roundabout at existing intersection	\$2,000,000
<i>North Meadows Drive Widening</i> - US85 to Butterfield Crossing Dr	Widen to four through lanes (two in each direction)	\$26,750,000
<i>Old Highway 85 at Liggett</i> - Intersection Realignment	Realign intersection to Castleton Ct intersection and construct a roundabout.	\$3,000,000
<i>Plum Creek Parkway Widening</i> - Wolfensberger Rd to MAC entrance	Widen roadway to four through lanes (two lanes in each direction)	
<i>Prairie Hawk Drive Extension</i> - Plum Creek Pkwy to Territorial Rd.	Extend a four through lane road (two in each direction) to tie into Territorial Rd, which connects to Crystal Valley Interchange	\$25,400,000
<i>Prairie Hawk Drive Widening</i> - Wolfensberger Rd to Plum Creek Pkwy	Widen roadway to four through lanes (two lanes in each direction). This will need to be completed with, or after, the developer's responsibility to extend two lanes to Plum Creek Parkway occurs.	\$8,585,000
<i>Wolfensberger Road at Red Hawk Drive</i> - Roundabout	Phase 3 Construction : Construct a multi-lane roundabout	\$2,450,000
<i>Downtown Park&Ride Lot</i>	Construct a park&ride lot to be used by CDOT's Bustang at the northeast corner of Wilcox at I-25 northbound on-ramp. Construct intersection improvements at existing signalized intersection to improve operations and safety. This project is supported within the Town's Downtown Mobility Master Plan.	TBD

Long-Range (by full Town build-out per Transportation Master Plan)

Project	Description	Project Estimate
<i>Fifth Street Widening</i> - Hwy 86 to Woodlands Blvd	Phase 3 Construction : Final widening project to add final westbound through lane to bring total segment to four through lanes (two in each direction).	\$2,000,000
<i>Highway 86 (Founders Parkway) Capacity Improvements</i> - Woodlands Blvd to I-25	This is a CDOT owned roadway. Once a specific analysis is completed, and a final project scope is selected, this project is to implement that scope.	\$30,000,000**
<i>Highway 86 (Founders Pkwy) Widening</i> - Fifth St to Crowfoot Valley Road	Widen to six through lanes (three in each direction). This is a CDOT owned roadway. This is likely a good candidate for funding partnerships.	\$11,000,000
<i>Liggett Road Extension</i> - Near I-25 to Caprice Drive	Extend two through lanes (one in each direction) to complete a new route to Wolfensberger Rd from Liggett Rd.	\$3,456,000
<i>Liggett Road Widening</i> - Old Hwy 85 to approximately I-25	Widen to four through lanes (two in each direction)	\$3,840,000
<i>Meadows Parkway Widening</i> - US85 to Meadows Blvd	Widen to six through lanes (three in each direction)	\$20,160,000
<i>Perry Street Extension</i> - Existing end to East Frontage Rd	Extend existing two lane section to I-25 East Frontage Rd.	\$5,000,000

** Until a final scope is approved by CDOT, this estimate is a placeholder for either a new interchange with I-25 or improvements to Founders Pkwy