

## AGENDA

**URA Finance Committee**

October 10, 2024

**2:00 pm – 3:00 pm**

1. Vine Drive and Jerome Street Intersection Improvements Project

Join Zoom Meeting

<https://us02web.zoom.us/j/88212193120>

Meeting ID: 882 1219 3120

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Meeting ID: 882 1219 3120

Find your local number: <https://us02web.zoom.us/j/88212193120>

**URA FINANCE COMMITTEE  
AGENDA ITEM SUMMARY**

**Staff:** Florian Fiebig, Civil Engineer II, Project Manager  
Dana Hornkohl, Director, Civil Engineering  
Cortney Geary, Manager, Active Modes  
Dave Kemp, Senior Planner, Trails

**Date:** October 10, 2024

**SUBJECT FOR DISCUSSION**

Vine Drive and Jerome Street Intersection Improvements Project

**EXECUTIVE SUMMARY**

The intersection at East Vine Drive and Jerome Street is in northeast Fort Collins, between North College Avenue and Innosphere Ventures, north of the Poudre River Whitewater Park. The intersection is experiencing an increase in bicycle and pedestrian use and currently there are no crossing accommodations for people walking, biking, or rolling. Additional development in the immediate area in conjunction with future trail connections are anticipated to increase the number of people walking, biking, and rolling through this intersection. The City's Active Modes Plan recommends pedestrian and bicycle crossing improvements at this location and the City's Strategic Trails Plan identifies an extension of the regional trail to connect the Poudre River Trail to neighborhoods to the north. The City has developed a conceptual plan and cost estimate for these intersection improvements and is seeking additional funding to complete design and construction of this project.

**GENERAL DIRECTION SOUGHT AND SPECIFIC QUESTIONS TO BE ANSWERED**

- Would the URA Finance Committee support staff in presenting a funding request to the URA Board seeking financial assistance for the Vine Drive and Jerome Street Intersection Improvements project?

**BACKGROUND/DISCUSSION**

East Vine Drive and Jerome Street intersect in northeast Fort Collins, just north of the Poudre River Whitewater Park (**Attachment 1 – Vicinity Map**). The City's current [Master Street Plan](#) (adopted December 2023) designates Vine Drive and Jerome Street as two-lane collectors. Jerome is stop-controlled at Vine, and there are no crossing facilities at the intersection. The City's [Active Modes Plan](#) (adopted December 2022) recommends pedestrian and bicycle crossing improvements at the intersection ([Interactive Web Map](#)). The City's [North College MAX Bus Rapid Transit Plan](#) also recommends a roadway crossing improvement at Vine Drive and Jerome Street as a key improvement to support active mode use in the North College area and improve access to public transportation. The City's [Strategic Trails Plan](#) (under development and scheduled to go before City Council in 2025 for adoption) includes a [Proposed](#)

[Trails Interactive Map](#) that depicts a trail connection between northeast Fort Collins and the Whitewater Park through this intersection. This regional trail extension was originally identified in the 2013 Paved Recreational Trails Plan and has been carried over through the update of the Strategic Trails Plan.

This intersection is a gateway and connection between northeast Fort Collins and destinations such as the Whitewater Park, the Poudre River Trail, and Old Town Fort Collins. The City has reviewed recent development proposals in the immediate area of the intersection (**Attachment 2 – Area Map**), and as northeast Fort Collins continues to grow, the number of people walking, biking, and rolling will increase through this intersection. An active modes traffic count and observation study was performed in August of this year. The following observations were noted during the data collection process, indicating the need for intersection crossing improvements:

- 36% of bicyclists observed cut diagonally through the intersection, crossing the yellow road centerline rather than completing a full turn (see Figure 1)
- 26% of all bicyclists observed rode on the sidewalk
- Wrong way riding in the Vine bike lane to access sidewalk ramp
- Traveling the wrong way in a bike lane
- Pedestrian crossing where no sidewalk exists (see Figure 2)



Figure 1 - Cutting across intersection



Figure 2 - Pedestrian crossing where no sidewalk exists

In June 2021, a cyclist was killed in a crash at this intersection ([Bike Fort Collins Ride of Silence 2022](#)). The Active Modes Plan was under development at the time and numerous community engagement comments indicated the need for crossing improvements at this location. In 2022, the City was awarded a 2024 Highway Safety Improvement Program (HSIP) grant to perform

crossing improvements at this intersection. The Powerhouse 2 development was going through development review at the time and the developer agreed to contribute funding and construct the improvements as part of their development. The developer approached URA staff to inquire if the URA could participate in helping to fund the crossing improvements; however, grant funds could not be utilized to reimburse the developer for the City's portion of construction costs. Staff proposed to utilize local funding for developer reimbursement and seek approval from the Colorado Department of Transportation (CDOT) to substitute a new location for the Vine and Jerome HSIP award. CDOT agreed to this proposal. Unfortunately, the Powerhouse 2 development has not moved forward and the substitute location was ultimately withdrawn from the HSIP award due to significant inflation of construction costs.

In the interim, City staff representing FC Moves, Park Planning and Development, Traffic Operations, and Engineering have developed a conceptual plan (**Attachment 3 – Proposed and Existing Plans**) to advance the project and seek additional funding. The conceptual plan includes the following:

1. Two-way pedestrian crossing of Vine Drive on the east side of Jerome Street.
2. Bicycle crossings (northbound and southbound) of Vine Drive on either side of Jerome Street.
3. Rectangular Rapid Flashing Beacons (RRFBs) with push buttons for pedestrians and bicyclists.
4. Protected bike corner island on the west side of Jerome Street intended to eliminate right-hook crashes.
5. Improved and widened sidepath (trail) on the south side of the intersection (Vine Drive) with Americans with Disabilities Act (ADA) compliant ramps, connecting to the Whitewater Park and Poudre River Trail.
6. Widened sidepath (trail) on the east side of Jerome Street to serve as the northeast trail extension.
7. New striping, signing, and marking of the intersection to safely facilitate pedestrian and bicycle movements.

The plan does not include pedestrian improvements on the west side of Jerome Street. There is no existing sidewalk infrastructure on this side of Jerome. New development would be responsible for building this infrastructure. The project would accommodate this future infrastructure with minimal signing and striping changes. There are three renderings that depict the conceptual improvements for the intersection (see Attachments 4, 5, and 6).

Portions of the project site lie within the North College Urban Renewal Area, north of Vine Drive (~54%) and the Downtown Development Authority boundary, south of Vine Drive (~46%). Staff has developed a detailed conceptual cost estimate to accompany the plan (see Attachment 7 – Conceptual Cost Estimate). The City has identified approximately \$350,000 to dedicate toward the project. Staff is seeking additional funding from the URA and DDA to help fully fund the project.

**Vine & Jerome Intersection Improvements  
Conceptual Cost Estimate**

ITEM	TOTAL COST	within DDA BOUNDARY*	within URA BOUNDARY*
Design Engineering	\$ 150,000.00	\$ 75,000.00	\$ 75,000.00
Right of Way	\$ 146,520.00	\$ 61,630.50	\$ 84,889.50
Construction	\$ 370,869.89	\$ 168,654.64	\$ 202,215.25
City Staff Time	\$ 50,054.24	\$ 22,896.39	\$ 27,157.86
Materials Testing	\$ 3,336.95	\$ 1,526.43	\$ 1,810.52
Contingency	\$ 100,108.48	\$ 45,792.77	\$ 54,315.71
Art in Public Places	\$ 3,336.95	\$ 1,526.43	\$ 1,810.52
Total: 2024	\$ 824,226.51	\$ 377,027.15	\$ 447,199.37
<b>Total: 2025**</b>	<b>\$ 890,164.64</b>	<b>\$ 407,189.32</b>	<b>\$ 482,975.32</b>
<b>Percentage</b>	<b>100%</b>	<b>46%</b>	<b>54%</b>

\*Costs divided along URA/DDA boundary for physical items, and 50% cost share on Design Engineering and ancillary costs.

\*\*8% Inflation based on CDOT Construction Cost Index.

Assuming the total project cost of \$890,165, the unfunded portion of the project is \$540,165. If the URA and DDA were to contribute in proportion with the amount of the project with their respective boundaries, their contributions would be as follows:

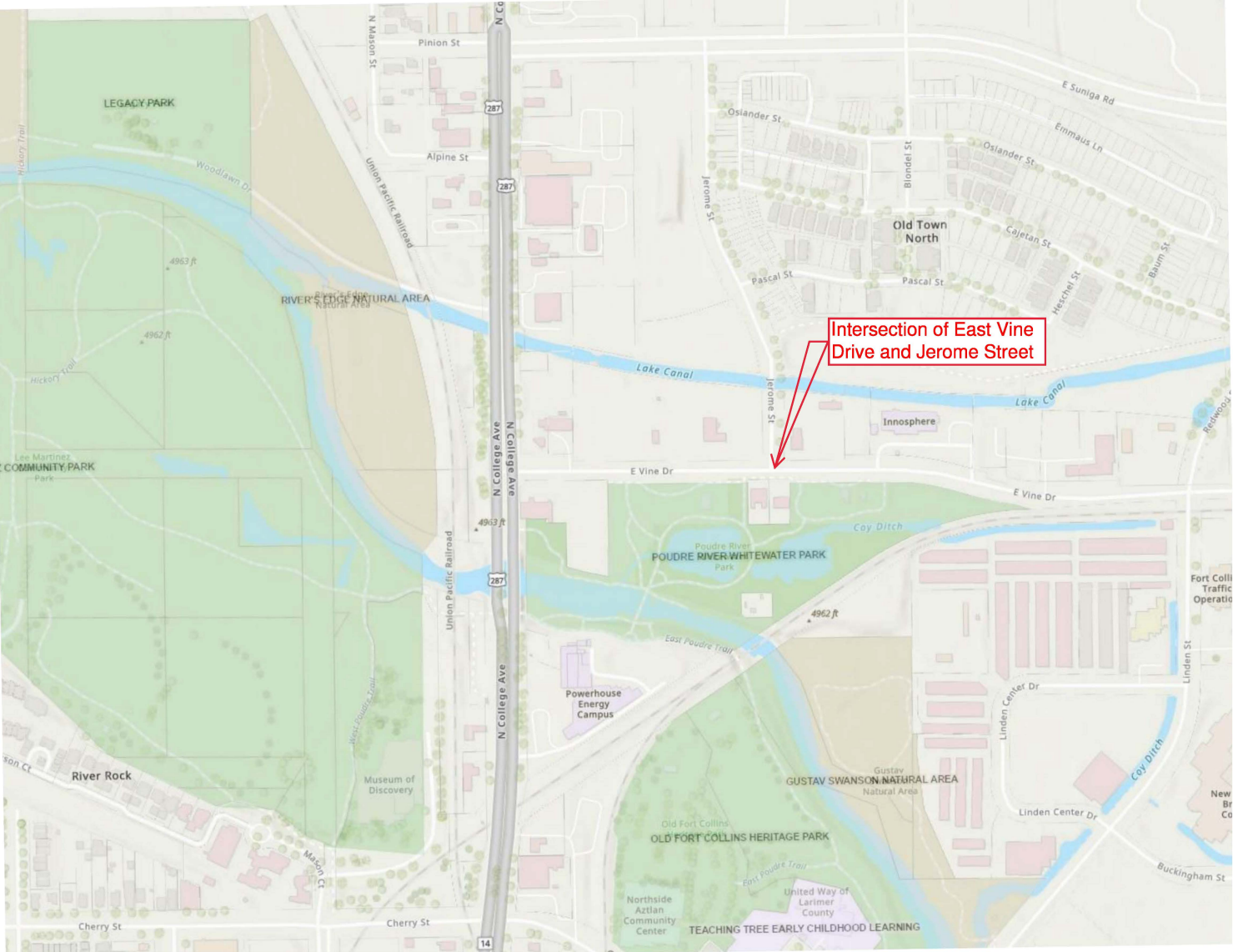
URA Contribution (54%): \$291,689  
 DDA Contribution (46%): \$248,476  
 Total Contribution (100%): \$540,165

The current plan is conceptual and will be refined as it moves towards final approval. If the URA and DDA would like to incorporate urban design elements to enhance this gateway area, there is certainly an opportunity to include these added project features.

Would the URA Finance Committee support staff in presenting a funding request to the URA Board seeking financial assistance for the Vine Drive and Jerome Street Intersection Improvements Project, and if so, in what amount?

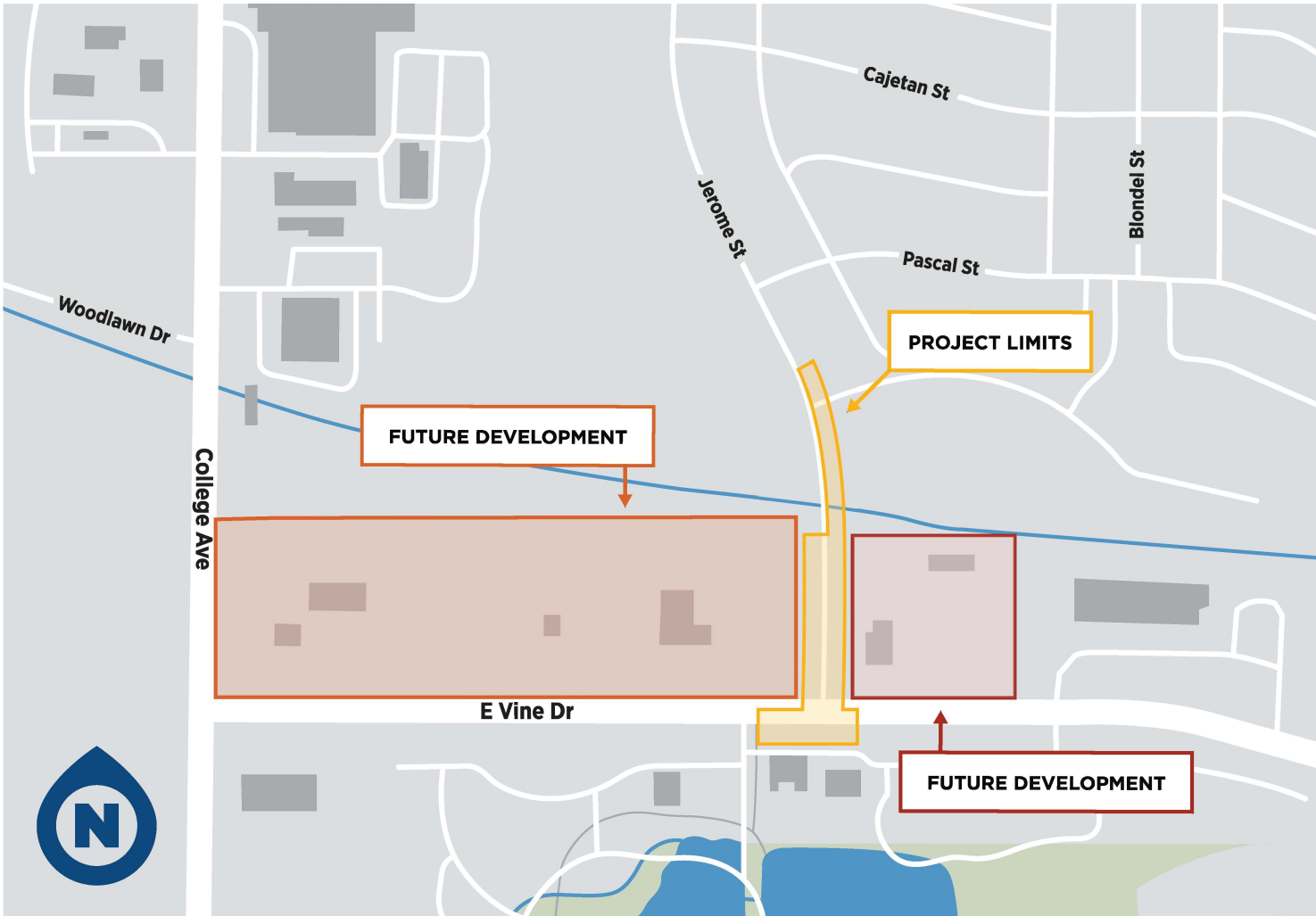
**ATTACHMENTS**

- Attachment 1: Vicinity Map – Intersection of East Vine Drive and Jerome Street
- Attachment 2: Area Map
- Attachment 3: Proposed and Existing Plans
- Attachment 4: Rendering Looking South
- Attachment 5: Rendering Looking North
- Attachment 6: Rendering Looking Northwest
- Attachment 7: Conceptual Cost Estimate

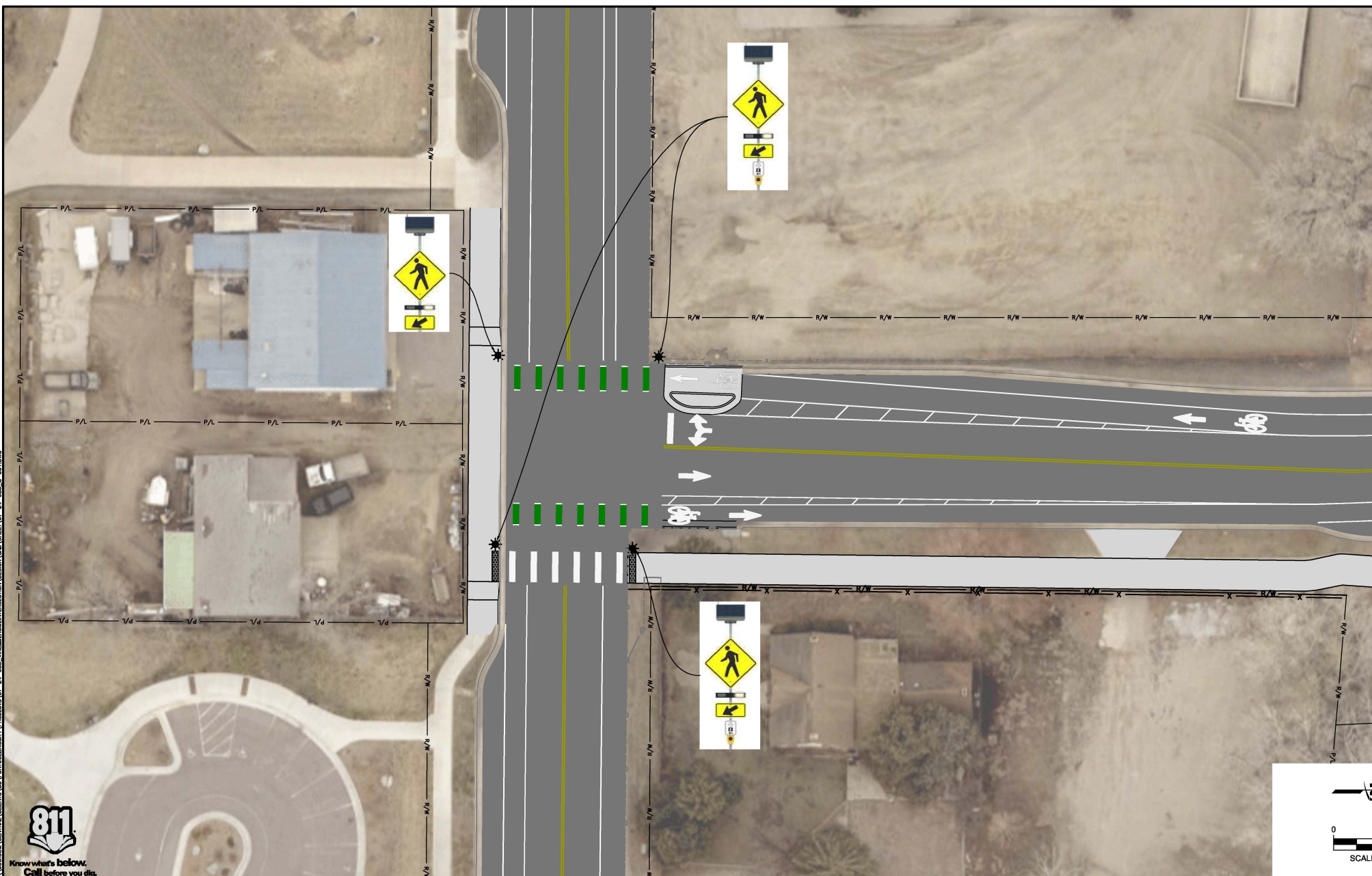


Intersection of East Vine Drive and Jerome Street

# VINE & JEROME CROSSING IMPROVEMENTS



File: JUB-04-2024-01.dwg, 3/18/24, Project: 24-083, VINE/ENGINEERING/SECTION DESIGN/CAD/SHEET 07-24-083\_C-001.DWG  
 Date: 9/4/2024, 10:24:24 AM, User: JUB-04-2024-01.dwg, Project: 24-083, VINE/ENGINEERING/SECTION DESIGN/CAD/SHEET 07-24-083\_C-001.DWG



Know what's below.  
Call before you dig.

Print Date:	9/4/2024
Scale:	AS NOTED
	2809 E. Harmony Rd., Suite 300 Fort Collins, CO 80528 Phone: 970.377.3602
J-U-B ENGINEERS, INC.	

Sheet Revisions		
Date:	Comments	Init.

City of  
**Fort Collins**  
 Engineering  
 jcgov.com/engineering  
 281 N College Ave  
 Fort Collins, CO 80524  
 Phone: (970) 221-6605  
 Fax: (970) 221-6378

PRELIMINARY No Revisions: Revised: Void:	VINE DR. AND JEROME ST. PROPOSED PLAN VIEW		Pr
	Designer: AHOLTZCLAW Detailer: AHOLTZCLAW	Structure Numbers	Drawing
	Sheet Subset: PLAN		Subset Sheets: 1 of 2
	Sheet Nu		Sheet Nu



File: 24-083\_VINE DR AND JEROME ST. PLAN View, Project: 2809 E. Harmony Rd., Suite 300, Fort Collins, CO 80528, Date: 9/4/2024, 3:18 PM, Project: 2809 E. Harmony Rd., Suite 300, Fort Collins, CO 80528, Date: 9/4/2024, 3:18 PM, Project: 2809 E. Harmony Rd., Suite 300, Fort Collins, CO 80528, Date: 9/4/2024, 3:18 PM



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 Fort Collins, CO 80524  
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PRELIMINARY No Revisions: Revised: Void:	VINE DR. AND JEROME ST. EXISTING PLAN VIEW		Pr
	Designer: AHOLTZCLAW Detailer: AHOLTZCLAW	Structure Numbers	Drawing
	Sheet Subset: PLAN		Subset Sheets: 2 of 2
	Sheet Nu		Sheet Nu







Vine & Jerome Intersection Improvements

Conceptual Cost Estimate

ITEM	UNIT	Conceptual Cost Estimate			UNIT COST	TOTAL COST	within DDA boundary	within URA boundary
		TOTAL ESTIMATED QUANTITY	within DDA boundary QUANTITY	within URA boundary QUANTITY				
<b>Design Engineering</b>								
Design	LS	1	0.5	0.5	\$ 120,000.00	\$ 120,000.00	\$ 60,000.00	\$ 60,000.00
SUE Investigation	LS	1	0.5	0.5	\$ 30,000.00	\$ 30,000.00	\$ 15,000.00	\$ 15,000.00
					<b>Design Engineering:</b>	<b>\$ 150,000.00</b>	<b>\$ 75,000.00</b>	<b>\$ 75,000.00</b>
<b>Right of Way</b>								
Rocky Mountain Innovation Initiative	LS	1	-	1	\$ 73,902.00	\$ 73,902.00	\$ -	\$ 73,902.00
Todd Kundla	LS	1	1	-	\$ 23,308.00	\$ 23,308.00	\$ 23,308.00	\$ -
Fredrick Upham	LS	1	1	-	\$ 27,335.00	\$ 27,335.00	\$ 27,335.00	\$ -
Real Estate Services CoFC	%	1	0.5	0.5	\$ 21,975.00	\$ 21,975.00	\$ 10,987.50	\$ 10,987.50
					<b>ROW:</b>	<b>\$ 146,520.00</b>	<b>\$ 61,630.50</b>	<b>\$ 84,889.50</b>
<b>Construction</b>								
Removal of Concrete Sidewalk	SY	364	113	251	\$ 22.00	\$ 8,008.00	\$ 2,486.00	\$ 5,522.00
Removal of Curb & Gutter	LF	154	154	0	\$ 10.00	\$ 1,540.00	\$ 1,540.00	\$ -
Removal of Asphalt	SY	300	150.00	150.00	\$ 20.00	\$ 6,000.00	\$ 3,000.00	\$ 3,000.00
Removal of Street Striping/Paint	LF	1,000	200	800	\$ 2.00	\$ 2,000.00	\$ 400.00	\$ 1,600.00
Removal of Fence	LF	320	65	255	\$ 10.00	\$ 3,200.00	\$ 650.00	\$ 2,550.00
Aggregate Bag (Curb Protection)	LF	150	150	0	\$ 11.00	\$ 1,650.00	\$ 1,650.00	\$ -
Concrete Washout Structure	EACH	1	0.5	0.5	\$ 4,938.64	\$ 4,938.64	\$ 2,469.32	\$ 2,469.32
Sweeping (Sediment Removal)	HR	16	8	8	\$ 205.00	\$ 3,280.00	\$ 1,640.00	\$ 1,640.00
Erosion Control Management	DAY	30	15	15	\$ 310.00	\$ 9,300.00	\$ 4,650.00	\$ 4,650.00
Hot Mix Asphalt (Grading S) (75) (PG 64-22) (10") (Patching)	TON	108	54.0	54.0	\$ 179.00	\$ 19,332.00	\$ 9,666.00	\$ 9,666.00
Drilled Caisson (18 inch)	LF	15	7.5	7.5	\$ 357.22	\$ 5,358.30	\$ 2,679.15	\$ 2,679.15
Concrete Curb Ramp (6") Pedestrian Corner	SY	15	0	15	\$ 202.05	\$ 3,030.75	\$ -	\$ 3,030.75
Concrete Sidewalk (6") 10 ft wide	SY	600	176.29	423.71	\$ 77.32	\$ 46,392.00	\$ 13,630.64	\$ 32,761.36
Concrete Curb Ramp (Special)(8") (includes tapers and truncated domes)	SY	18	18	0	\$ 338.50	\$ 6,093.00	\$ 6,093.00	\$ -
Curb Type 2 (Section B)	LF	81	81	0	\$ 39.06	\$ 3,163.86	\$ 3,163.86	\$ -
Concrete Island, 6" w/ Curb Type 2 (Section B)	SY	15	0	15	\$ 266.00	\$ 3,990.00	\$ -	\$ 3,990.00
Two - 2 Inch Electrical Conduit for Power & Signal (Trenched PVC)	LF	108	54.0	54.0	\$ 40.36	\$ 4,358.88	\$ 2,179.44	\$ 2,179.44
Two - 2 Inch Electrical Conduit for Power & Signal (Bored PVC)	LF	110	55.0	55.0	\$ 58.53	\$ 6,438.30	\$ 3,219.15	\$ 3,219.15
2 Inch Electrical Conduit - Power Source	LF	108	54.0	54.0	\$ 40.36	\$ 4,358.88	\$ 2,179.44	\$ 2,179.44
4" PVC Sleeve (6" Long - for sign blockouts)	EA	7	3.5	3.5	\$ 50.00	\$ 350.00	\$ 175.00	\$ 175.00
Pull Box (18"x30"x18") Deep	EACH	2	1.0	1.0	\$ 2,904.14	\$ 5,808.28	\$ 2,904.14	\$ 2,904.14
Fence	LF	320	65	255	\$ 38.00	\$ 12,160.00	\$ 2,470.00	\$ 9,690.00
Fence Gate, Double	LS	1	0	1	\$ 5,000.00	\$ 5,000.00	\$ -	\$ 5,000.00
Tree removal	LS	1	0	1	\$ 1,500.00	\$ 1,500.00	\$ -	\$ 1,500.00
Way Finding Signage	LS	18	9.0	9.0	\$ 125.00	\$ 2,250.00	\$ 1,125.00	\$ 1,125.00
Pedestrian Push Button Post Assembly	EACH	3	1.5	1.5	\$ 2,885.00	\$ 8,655.00	\$ 4,327.50	\$ 4,327.50
RRFB Flashing Beacon	EACH	4	2.0	2.0	\$ 9,170.00	\$ 36,680.00	\$ 18,340.00	\$ 18,340.00
Flagging	HOURL	80	40.0	40.0	\$ 45.00	\$ 3,600.00	\$ 1,800.00	\$ 1,800.00
Traffic Control Inspection (TCI)	DAY	17	8.5	8.5	\$ 257.00	\$ 4,369.00	\$ 2,184.50	\$ 2,184.50
Traffic Control Management	DAY	43	21.5	21.5	\$ 975.00	\$ 41,925.00	\$ 20,962.50	\$ 20,962.50
Traffic Control (Special) (Devices)	LS	2	1.0	1.0	\$ 3,595.00	\$ 7,190.00	\$ 3,595.00	\$ 3,595.00
Portable Message Panel (24 HR)	EA/DAY	10	5.0	5.0	\$ 195.00	\$ 1,950.00	\$ 975.00	\$ 975.00
Sanitary Facility	EACH	1	0.5	0.5	\$ 2,000.00	\$ 2,000.00	\$ 1,000.00	\$ 1,000.00
Mobilization	LS	1	0.5	0.5	\$ 30,000.00	\$ 30,000.00	\$ 15,000.00	\$ 15,000.00
Landscape and Irrigation Repairs	FA	1	0.5	0.5	\$ 5,000.00	\$ 5,000.00	\$ 2,500.00	\$ 2,500.00
COFC - Signal & Pavement Markings	LS	1	0.5	0.5	\$ 60,000.00	\$ 60,000.00	\$ 30,000.00	\$ 30,000.00
					<b>Construction:</b>	<b>\$ 370,869.89</b>	<b>\$ 168,654.64</b>	<b>\$ 202,215.25</b>
City Staff Time	%	15%	7.5%	7.5%	\$ 50,054.24	\$ 22,896.39	\$ 27,157.66	\$ 27,157.66
Materials Testing	%	1%	0.5%	0.5%	\$ 3,336.95	\$ 1,526.43	\$ 1,810.52	\$ 1,810.52
Contingency	%	30%	15.0%	15.0%	\$ 100,108.48	\$ 45,792.77	\$ 54,315.71	\$ 54,315.71
APP	%	1%	0.5%	0.5%	\$ 3,336.95	\$ 1,526.43	\$ 1,810.52	\$ 1,810.52
					<b>Total: 2025</b>	<b>\$ 824,226.51</b>	<b>\$ 377,027.15</b>	<b>\$ 447,199.37</b>
					<b>Total: 2026, 8% Inflation</b>	<b>\$ 890,164.64</b>	<b>\$ 407,189.32</b>	<b>\$ 482,975.32</b>