PLANNING, INFRASTRUCTURE & ECONOMIC REVITALIZATION (PIER)

PROJECT PROPOSAL

Instructions: Please complete all fields and email the completed form and attachments to _____. Please enter N/A for any section which does not apply. Once received, you will be contacted regarding the next steps in the project evaluation and selection process.

Project Information		
Project Title:	Eagle Creek Traffic Circle	
Primary Contact Name and Title:	**Don DeRosia**	
Phone Number:	503-630-8271	
Email address:	DeRosia@cityofestacada.org	
Project Lead Organization Name:	City of Estacada	
Type of Eligible Organization:	☒ Public Entity	☐ Non-Profit
Amount of PIER Funds Requested:	$1,000,000	
Type of Project		
☐ Planning	☒ Infrastructure	☐ Economic Revitalization
Project Description		
1.1 Project purpose, area of benefit, description of the proposed activity, and who will be served by proposed activity.		
The current Eagle Creek and River Mill roads intersection is seeing heavy traffic. There are new subdivisions planned on three of the four corners. This intersection is part of the evacuation route for Estacada. This intersection is a major collector. Clackamas County traffic data shows the average daily trips for River Mill are 2455 and for Eagle Creek are 5160 in 2021. Kellendonk Subdivision is estimated to add 556 average weekday trips. Coyote Ridge project is anticipated to generate 2,662 new daily trips. These are just two of the subdivisions approved for the area. The traffic circle will ensure regular flow in both everyday travel and during a future evacuation. Without this traffic circle the level of service for this intersection will be failing. This traffic circle serves not only the surrounding residential and commercial districts but also is a major collector which regional traffic passes through.		
1.2 Project delivery summary (how the work will be done, those responsible for or involved in completing the project, project partners, and general timeline).		

The initial engineering on the project has been completed by the City engineer. Once funding is secured, the final engineering will be completed. The project will be put out to bid as per the required Public Improvement Projects procurement policy. The City of Estacada would manage the project (Public Works and City Engineer). We estimate the timeline below:

Bid: November 2026

Award: January 2027

Paving: June 2027

1.3 Anticipated outcomes and performance measures

We anticipate a smoother flow of traffic through the Eagle Creek and River Mill intersections in both daily traffic and future evacuations.

2.1 State the unmet need(s) of the community that will be addressed by the completion of this project, and how the project will benefit historically underserved communities.

This location currently has times of heavy traffic. During the last evacuation there was back up of traffic in places. This increased evacuation times. This traffic circle will allow for the continuous flow of traffic, therefore decreasing the time it takes to evacuate neighborhoods.

2.2 Describe any mitigation efforts

This traffic circle will allow for smoother and quicker evacuation for future wildfire events.

2.3 Describe benefits to wildfire survivors

This will increase the flow for future evacuations. All of the City of Estacada was under a Level 3 Evacuation during the 2020 fires. This intersection improvement would provide assurance to the wildfire survivors of Estacada that even with substantial population growth, the ability to evacuate the City and surrounding area would take place in a timely manner.

2.4 Describe any direct recovery

N/A

2.5 Outline the expected number of people impacted or assisted

We expect that this will impact the 5,900 residents inside the city limits plus an estimated increase of 5,000 residents over the next 5-9 years. We expect that this will also provide a positive impact to residents outside city limits and visitors.

Estimated Project or Program Budget

Provide a general budget estimate for your project and describe next steps to generate a more detailed budget. Include a list of other funding sources that are pending, funds that have already been received, and explain any funding gaps. Include a plan for funding maintenance and operations.

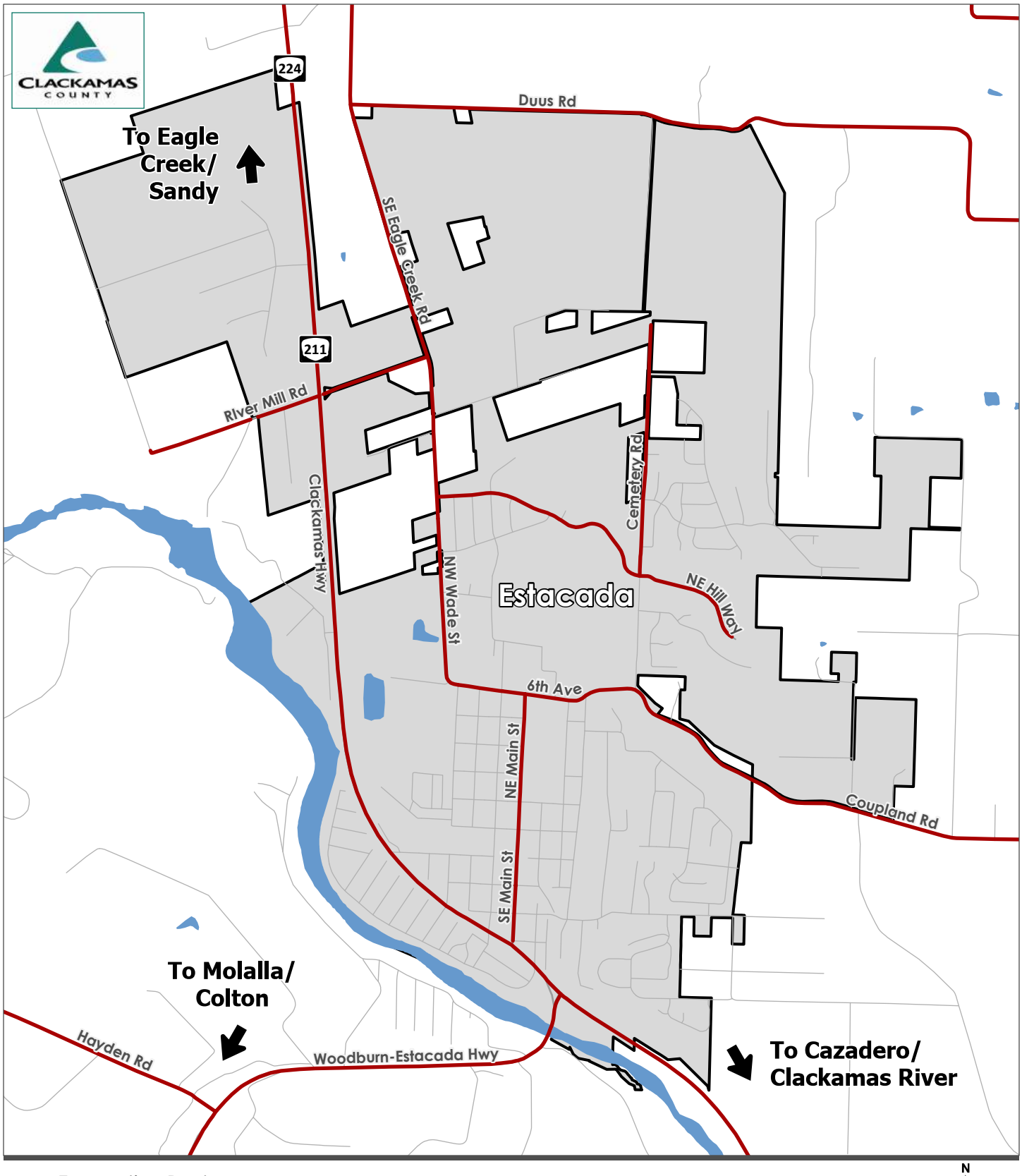
Construction Subtotal	$1,261,900
25% Contingency	308,600
Total Construction	$1,570,000
Engineering	180,000
Total Project Cost	**$1,750,000**
Contractor Fees	-300,100
System Development Charges	-449,900
Remaining Costs	**1,000,000**

4.1 Describe mitigation of loss of life or property in the face of future hazards

By ensuring the smooth flow of traffic during future evacuations this will decrease the potential impact of traffic congestion during evacuations. We've seen nationally in Paradise and recently in Hawaii, how traffic patterns and the inability to evacuate in a timely manner can lead to loss of life. A traffic circle allows for a continuous flow of traffic, thereby increase the speed at which a neighborhood can be evacuated.

4.2 Describe consultations for risk assessment

None
4.3 Describe communities impacted
Estacada is a rural community in Clackamas County which was impacted by the 2020 wildfires. The entire City and surrounding areas were on a Level 3 Evacuation making the evacuation of homes and businesses mandatory. The residents of Estacada include many families and individuals. Approximately 30% of the community is low to moderate income. Most people have vehicles for transportation although one of the local senior living apartments was aided in evacuation by the School District Transportation Department.
4.4 How is the project designed to withstand chronic stress and extreme events
Roundabouts lower environmental impact as they decrease air pollution, fuel consumption, and greenhouse gas emissions by allowing vehicles to move through intersections without stopping or idling. They are cost effective as they require less maintenance, have lower yearly operational costs normally associated with traffic signals, and do not require police presence during power outages. During a natural hazard, the traffic circle would allow for the continuous flow of traffic without power, lighting, or police for directing traffic.



Evacuation Routes
City Boundary
County Boundary
Water Bodies

Estacada

Emergency Evacuation Routes

Emergency contact no. : 911
Non- Emergency contact no. : (503) 327-5186
To access Evacuation Maps, navigate to : https://www.clackamas.us/dm/publicalerts
Emergency notifications sign-up :

N
W E
S

Scan to download

QUANITITES:

AC PAVING = 26,274 SF

CURB & GUTTER = 1,962 LF
VERTICAL CURB = 251 LF
MOUNTABLE CURB = 346 LF

LANDSCAPE PLANTER = 4,537 SF

STAMPED CONCRETE = 6,780 SF

CONCRETE PAVING = 4,305 SF

SIDEWALK = 5,851 SF

CURRIN CREEK DRIVE

74.0'
20'
20'

12+00

LIMITS OF CONSTRUCTION FOR EAGLE RIDGE AT CURRIN CREEK DEVELOPMENT
STA 11+50

LIMITS OF CONSTRUCTION FOR EAGLE RIDGE AT CURRIN CREEK DEVELOPMENT
STA 11+50

ROGER SALES

EAGLE RIDGE

EAGLE RIDGE

AREA = 2,902 SF

AREA = 1,636 SF

AREA = 4,355 SF

LIMITS OF CONSTRUCTION FOR FUTURE DEVLEOPER
STA 7+90

EAGLE CREEK RD

40.0'

8+00

9+00

10+00

11+00

12+00

13+00

37.0'

30.0'

37.0'

20.0'

R100'

R150'

R75.0'

R55.0'

R40.0'

R70.0'

R3.0'

R2.0

R80.0'

R50.0'

25'

20'

STA 12+00
LIMITS OF CONSTRUCTION FOR EAGLE RIDGE AT CURRIN CREEK DEVELOPMENT

LIMITS OF CONSTRUCTION FOR KELLENDONK ACRES
STA 7+71

AREA = 134 SF

AREA = 1,254 SF

KELLENDONK

WANDA MICHAEL

RIVER MILL RD

STA 9+00
LIMITS OF CONSTRUCTION FOR KELLENDONK ACRES

STA 9+00
LIMITS OF CONSTRUCTION FOR FUTURE DEVELOPMENT

40'
20'
20'
37.0'
20.0'

STA 12+00
LIMITS OF CONSTRUCTION FOR EAGLE RIDGE AT CURRIN CREEK DEVELOPMENT

1 RIVER MILL TRAFFIC CIRCLE CONCEPT
SCALE: 1" = 20'

PRELIMINARY

BAR IS ONE INCH ON ORIGINAL DRAWING.
ADJUST SCALE AS SHOWN ACCORDINGLY.

REV.	DESCRIPTION	REVISED BY	DATE

REVISIONS

REGISTERED PROFESSIONAL ENGINEER
OREGON
JULY 29, 1983
JAMES McLEOD
DIGITAL SIGNATURE
EXPIRES: 12/31/2024
PRELIMINARY

CURRAN–McLEOD, INC.
CONSULTING ENGINEERS
6655 S.W. HAMPTON ST., SUITE 210
PORTLAND, OREGON 97223
PHONE (503) 684–3478

CITY OF ESTACADA

RIVER MILL TRAFFIC CIRCLE

CLACKAMAS COUNTY, OREGON

DATE	FEB 2024
P/N	1022
D/B	JST
D/S	JST
CAD#	1022

1 *OF* 1

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City of Estacada
River Mill / Eagle Creek Traffic Circle
Preliminary Estimate
12/12/24

Item		Quantity	Units	Unit Cost	Total
Sitework:					
1.1	Mobilization Bond & Insurance	1	LS	$80,000	$80,000
1.2	TPDT Traffic Control	1	LS	50,000	50,000
1.3	Clearing & Grubbing	1,200	CY	40	48,000
1.4	Common Excavation	2800	CY	25	70,000
1.5	Landscape & Restoration	1	LS	10,000	10,000
Underground:					
2.1	Storm Manhole	2	EA	10,000	20,000
2.2	Catchbasins	8	EA	5,000	40,000
3	12" HDPE Storm w/ backfill	750	LF	80	60,000
4	Power Trench & Conduit	700	LF	25	17,500
5	J Box & PGE Street Light Prep	8	EA	2,000	16,000
Surfacing & Paving:					
1	12" Base Rock	3,500	SY	25	87,500
2	Curb & Gutter	1,000	LF	50	50,000
3	Mountable Curb	350	LF	40	14,000
4	Vertical Curb	1000	LF	40	40,000
5	AC Paving, 5" 1/2" Dense Mix	900	Tons	150	135,000
6	Concrete Pavement	4400	SF	45	198,000
7	Stamped Concrete Islands	4600	SF	45	207,000
8	4" Sidewalk	650	SY	150	97,500
9	ADA Truncated Domes	16	EA	400	6,400
10	Striping & Signs	1	LS	15,000	15,000
				Subtotal	$1,261,900
				25% Contingency	308,600
				Total Construction	$1,570,000
				Engineering	180,000
				Total Project Cost	**$1,750,000**