



DAN JOHNSON
DIRECTOR

DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
DEVELOPMENT SERVICES BUILDING
150 BEAVERCREEK ROAD OREGON CITY, OR 97045

November 9, 2022

Board of Commissioners
Clackamas County

Members of the Board:

Approval to apply for a grant with Metro (FHWA) for a regional signal system network risk assessment and upgrade project in partnership with PBOT, Washington County, City of Beaverton, and City of Gresham - \$677,461.50 in grant funds requested. Total matching funds in the amount of \$77,538.50 (10.27%) will be provided from the five agencies, with each contributing an equal share of \$15,523.31. Clackamas County's share of \$15,523.31 from County Road Funds. Total value is \$755,000. General Funds are not involved.

Purpose/Outcome	This project will conduct a risk assessment, upgrade, and support the network that connects traffic signal controllers to the regional central signal system. There is an existing fiber optic network that connect traffic signals between five partner agencies, but the network needs to be upgraded to bolster cybersecurity and meet the requirements of the region's new central signal system.
Dollar Amount and Fiscal Impact	Metro (FHWA) amount: \$677,461.50. There is a 10.27% match requirement of \$77,538.50. \$15,523.31 will be supported by the County Road Fund for our 1/5 th share. Total amount is \$755,000
Funding Source	Metro – Regional Flexible Funds from FHWA and County Road Fund.
Duration	Four years.
Previous Board Action/Review	None
Strategic Plan Alignment	1. The project supports the department's efforts to support the public's increasing expectation that the transportation system will be safer and support a healthier community. Additionally, the project will intentionally engage underrepresented communities in these efforts. 2. The funds will support the County Strategic Plan to ensure safe, healthy and secure communities.
Counsel Review	This item does not require Counsel Review. Finance has reviewed the lifecycle form.
Procurement Review	(Please check yes or no for procurement review. If the answer is "no," please provide an explanation.) 1. Was the item processed through Procurement? yes <input type="checkbox"/> no <input checked="" type="checkbox"/> 2. Item is a grant.
Contact Person	Joseph Marek, Traffic Safety Supervisor x4705

The Department of Transportation and Development requests the authorization to apply for a Metro Transportation System Management and Operations (TSMO) Grant in partnership with PBOT, Washington County, City of Beaverton, and City of Gresham funded by Regional Flexible Funds from FHWA of \$677,461.50 and a County Road Fund match of \$15,523.31 to support the regional central signal system.

The purpose of this project is to conduct a risk assessment, upgrade, and support the network that connects traffic signal controllers to the regional central signal system. The regional central signal system software is used to monitor real-time operations, measure performance, keep signals coordinated, and make signal timing changes remotely if needed. Agencies around the region including the Portland Bureau of Transportation (PBOT), City of Gresham, City of Beaverton, Clackamas County, and Washington County have historically worked collaboratively to manage traffic signals. This allows for knowledge sharing and better service across jurisdictional boundaries. There is an existing fiber optic network that connects traffic signals between these five agencies, but it currently uses direct connections that need to be upgraded to bolster cybersecurity between the agencies and meet the requirements of the region's new central signal system.

This project will include an evaluation of the existing network, architecture design, procurement and configuration of required network hardware and support, and documentation of policies and installed equipment. PBOT manages the regional central signal system, so they will take the lead on collaboration with each agency's traffic signal and IT teams to scope the project, hire consultant support as needed, and coordinate installation of the network equipment. Policies and formal agreements will be established and documented for data sharing, network configuration, and maintenance support.

Protecting traffic signal infrastructure from cyber-attacks is key to providing security to everyone in the region. An attack on traffic signals could mean long delays and safety issues, which would likely have the greatest impact on communities that do not have multiple fast and reliable travel options. While connecting traffic signals in the region has benefits for maintaining consistent operations across jurisdictional boundaries, it presents risks for cybersecurity. This project would be a foundational step to protect each agency from breaches at another.

RECOMMENDATION:

Staff respectfully recommends approval to apply for a grant with Metro (FHWA) for a regional signal system network risk assessment and upgrade project in partnership with PBOT, Washington County, City of Beaverton, and City of Gresham and authorizes Dan Johnson, DTD Director to sign on behalf of Clackamas County.

Respectfully submitted,

Dan Johnson

Dan Johnson
Director of Transportation & Development

Financial Assistance Application Lifecycle Form

Use this form to track your potential award from conception to submission.

Sections of this form are designed to be completed in collaboration between department program and fiscal staff.

If renewal, complete sections 1, 2 & 4 only. If direct appropriation, complete page 1 and Dept/Finance signatures only.

If Disaster or Emergency Relief Funding, EOC will need to approve prior to being sent to the BCC

****CONCEPTION****

Section I: Funding Opportunity Information - To Be Completed by Requester

Award type: Direct Appropriation (no application)
Subrecipient Award Direct Award

Award Renewal? Yes No

Lead Fund # and Department:	Fund 215
Name of Funding Opportunity:	

Funding Source: Federal – Direct Federal – Pass through State Local

Requestor Information: (Name of staff initiating form)	
Requestor Contact Information:	
Department Fiscal Representative:	
Program Name & Prior Project #: (please specify)	

Brief Description of Project:

Name of Funding Agency:

Notification of Funding Opportunity Web Address:

OR

Application Packet Attached: Yes No

Completed By: Date:

**** NOW READY FOR SUBMISSION TO DEPARTMENT FISCAL REPRESENTATIVE ****

Section II: Funding Opportunity Information - To Be Completed by Department Fiscal Rep

Competitive Application Non-Competing Application Other

Assistance Listing Number (ALN), if applicable:		Funding Agency Award Notification Date:	
Announcement Date:		Announcement/Opportunity #:	
Grant Category/Title		Funding Amount Requested:	
Allows Indirect/Rate:	Yes	Match Requirement:	
Application Deadline:		Total Project Cost:	
Award Start Date:		Other Deadlines and Description:	
Award End Date			
Completed By:		Program Income Requirements:	
Pre-Application Meeting Schedule:			

Additional funding sources available to fund this program? Please describe:

How much General Fund will be used to cover costs in this program, including indirect expenses?

How much Fund Balance will be used to cover costs in this program, including indirect expenses?

In the next section, limit answers to space available.

Section III: Funding Opportunity Information - To Be Completed at Pre-Application Meeting by Dept Program and Fiscal Staff

Mission/Purpose:

1. *How does the grant/funding opportunity support the Department and/or Division's Mission/Purpose/Goals?*

2. *Who, if any, are the community partners who might be better suited to perform this work?*

3. *What are the objectives of this funding opportunity? How will we meet these objectives?*

4. *Does the grant/financial assistance fund an existing program? If yes, which program? If no, what is the purpose of the program?*

Organizational Capacity:

1. *Does the organization have adequate and qualified staff? If no, can staff be hired within the grant/financial assistance funding opportunity timeframe?*

2. *Are there partnership efforts required? If yes, who are we partnering with and what are their roles and responsibilities?*

3. *If this is a pilot project, what is the plan for sun setting the project and/or staff if it does not continue (e.g. making staff positions temporary or limited duration, etc.)?*

4. *If funded, would this grant/financial assistance create a new program, does the department intend for the program to continue after initial funding is exhausted? If yes, how will the department ensure funding (e.g. request new funding during the budget process, supplanted by a different program, etc.)?*

Collaboration

1. List County departments that will collaborate on this award, if any.

Reporting Requirements

1. What are the program reporting requirements for this grant/funding opportunity?

2. How will performance be evaluated? Are we using existing data sources? If yes, what are they and where are they housed? If not, is it feasible to develop a data source within the grant timeframe?

3. What are the fiscal reporting requirements for this funding?

Fiscal

1. Are there other revenue sources required, available, or will be used to fund the program? Have they already been secured? Please list all funding sources and amounts.

2. For applications with a match requirement, how much is required (in dollars) and what type of funding will be used to meet it (CGF, In-kind, local grant, etc.)?

3. Does this grant/financial assistance cover indirect costs? If yes, is there a rate cap? If no, can additional funds be obtained to support indirect expenses and what are those sources?

This grant accepts overhead and has no rate cap. Road Funds will be covering costs, no general funds will be used.

Other information necessary to understand this award, if any.

Program Approval:

Joseph Marek

Name (Typed/Printed)

Date


Signature

**** NOW READY FOR PROGRAM MANAGER SUBMISSION TO DIVISION DIRECTOR ****


****ATTACH ANY CERTIFICATIONS REQUIRED BY THE FUNDING AGENCY. COUNTY FINANCE OR ADMIN WILL SIGN****

Section IV: Approvals


DIVISION DIRECTOR (or designee, if applicable)

		
Name (Typed/Printed)	Date	Signature

DEPARTMENT DIRECTOR (or designee, if applicable)

		
Name (Typed/Printed)	Date	Signature

FINANCE ADMINISTRATION

Elizabeth Comfort	11.2.2022	
Name (Typed/Printed)	Date	Signature

EOC COMMAND APPROVAL (WHEN NEEDED FOR DISASTER OR EMERGENCY RELIEF APPLICATIONS ONLY)

Name (Typed/Printed)	Date	Signature

Section V: Board of County Commissioners/County Administration

*(Required for all grant applications. If your grant is awarded, all grant **awards** must be approved by the Board on their weekly consent agenda regardless of amount per local budget law 294.338.)*

For applications less than \$150,000:

COUNTY ADMINISTRATOR	Approved:	Denied:
Name (Typed/Printed)	Date	Signature

For applications under \$150,000 email form to Christina Fadenrecht at CFadenrecht@clackamas.us for Gary Schmidt's approval.

For applications \$150,000 and above, email form with Staff Report to the Clerk to the Board at ClerktotheBoard@clackamas.us to be brought to the consent agenda.

BCC Agenda item #:

Date:

OR

Policy Session Date:

County Administration Attestation

County Administration: re-route to department at
and
Grants Manager at financegrants@clackamas.us
when fully approved.

Department: keep original with your grant file.

COVER SHEET

- New Agreement/Contract
- Amendment/Change/Extension to _____
- Other _____

Originating County Department: _____

Other party to contract/agreement: _____

Description:

After recording please return to: X _____

- County Admin
- Procurement

If applicable, complete the following: _____

Board Agenda Date/Item Number: _____