

Agenda Summary Report (ASR)

Franklin County Board of Commissioners

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| DATE SUBMITTED: September 7, 2022 | PREPARED BY: Kathleen Neuman, Project Manager |
| Meeting Date Requested: September 20, 2022 | PRESENTED BY: Craig Erdman, PE, County Engineer |
| ITEM: (Select One) <input checked="" type="checkbox"/> Consent Agenda <input type="checkbox"/> Brought Before the Board Time needed: | |
| SUBJECT: Resolution Approving Rural Arterial Program (RAP) Final Prospectus for Vineyard West Drive and North Railroad Avenue Intersection. | |
| FISCAL IMPACT: Public Works is requesting \$2,142,900 from the County Road Administrative Board's (CRABoard) to be used towards the proposed Vineyard West Drive and North Railroad Avenue Intersection project. If granted the funds, there will be a 10% local match of \$238,100. The estimated cost for the proposed project is \$2,381,000. | |
| BACKGROUND: The proposed project will address the intersection of Vineyard Drive West and North Railroad Avenue deficiencies with emphasis on Vineyard Drive West's site distance issues and truck turning movements. Since their construction, neither of the roadways have seen any design or structural upgrades and are past their useful life. The roads were not built to support the current or future traffic loads - both roads current ADT carries over 50% truck traffic. Besides not being structurally sound and sight distance issues, other deficiencies to this section of roadway is the width, need for turn lanes, edge cracking, longitudinal, transverse, and alligator cracking. Proposed construction work to correct the above-mentioned deficiencies will include reconstruction of the intersection, additional turning lanes, hard surfacing, drainage, and safety enhancements. Completion of this project will construct an all-weather intersection for the continuation of a truck route, prolong the life of the roadway, improve ride, and enhance safety. The proposed project is in the County's 2022-2027 Transportation Improvement Plan (TIP). Public Works is requesting that the Board approve the RAP Final Prospectus for the proposed Vineyard Drive West and North Railroad Avenue Intersection project for submittal to the CRABoard requesting \$2,142,900 in Rural Arterial Program (RAP) funding to be used towards the design and construction of this project. | |
| RECOMMENDATION: Approve attached Resolution approving the RAP Final Project Prospectus | |
| COORDINATION: This agenda item was prepared under the supervision of Craig Erdman, Director/County Engineer and coordinated with Steve Johnson, Grants Program Manager with the County Road Administration Board. | |
| ATTACHMENTS: (Documents you are submitting to the Board) 1. Resolution 2. Rural Arterial Program Final Prospectus | |
| HANDLING / ROUTING: (Once document is fully executed it will be imported into Document Manager. Please list <u>name(s)</u> of parties that will need a pdf) 1. Original RAP Final Prospectus to the Public Works (Kathleen Neuman) | |

I certify the above information is accurate and complete.



Craig Erdman, PE, Director/County Engineer

FRANKLIN COUNTY RESOLUTION NO. _____

BEFORE THE BOARD OF COMMISSIONERS
FRANKLIN COUNTY, WASHINGTON

***2023 – 2025 RURAL ARTERIAL PROGRAM (RAP) FINAL PROSPECTUS FOR
PROPOSED VINEYARD DRIVE WEST AND NORTH RAILROAD AVENUE
INTERSECTION PROJECT***

WHEREAS, the County Road Administration Board (CRABoard) provides funding for county road preservation through the Rural Arterial Program (RAP) on a biennial, competitive basis; and

WHEREAS, Franklin County's North Railroad Avenue and Vineyard Drive West qualifies for RAP funding; and

WHEREAS, RAP funding for the 2023-2025 biennium would provide funding for this proposed project; and

WHEREAS, the Board of Franklin County Commissioners constitutes the legislative authority of Franklin County, has reviewed the proposed prospectus, and finds its submission to the CRABoard as being in the best interest of Franklin County;

NOW, THEREFORE, BE IT RESOLVED that the Board of County Commissioners approves of the RAP Final Prospectus for the proposed North Railroad Avenue and Vineyard Drive West project; and

BE IT FURTHER RESOLVED that the Chair of the Board of County Commissioners is hereby authorized to sign the prospectus on the Board's behalf.

APPROVED this _____ day of _____, 2022.

BOARD OF COUNTY COMMISSIONERS
FRANKLIN COUNTY, WASHINGTON

Chair

Chair Pro Tem

Member

Attest

Clerk of the Board

STATE OF WASHINGTON - COUNTY ROAD ADMINISTRATION BOARD

RURAL ARTERIAL PROGRAM
FINAL PROSPECTUS

Biennium: 2023 - 2025

Region: SE County: Franklin

IDENTIFICATION

| State Legislative District: | 9 | Six-Year T.I.P. Priority No: | 9 | Total Points: | 80.89 |
|-----------------------------|-----------------------|------------------------------|--------|---------------|--------|
| Road Number(s) | Road Name(s) | FFC(s) | TRC(s) | BMP(s) | EMP(s) |
| 08870 | Vineyard Drive West | 08 | T3 | 0.900 | 1.240 |
| 10110 | North Railroad Avenue | 07 | T4 | 2.970 | 3.270 |

PROJECT TYPE

Project Type: RC - Reconstruction

DESCRIPTION OF PROPOSED IMPROVEMENTS - Attach Rating WorksheetsRoadway Structural Section, or Bridge Condition: ☐ Deviation Anticipated?Describe structural deficiencies and proposed improvements in keeping with the attached roadway cross section.
(Proposed structural section details may change based on final design.)

The existing BST road is failing due to the heavy traffic use and substandard base. The proposed structural improvement is to reconstruct the intersection.

Horizontal Alignment: ☐ Deviation Anticipated?

The horizontal alignment meets current design standards for both roads.

Vertical Alignment: ☐ Deviation Anticipated?

The vertical alignment meets current design standards for Railroad Avenue.

There are three (3) vertical curves that do not meet current design standards, but primarily addressing the middle vertical crest located 500' east of the intersection will resolve the other two smaller sag curves.

Width: ☐ Deviation Anticipated?

Existing 10' lanes and 3' shoulders will be widened to a minimum of 11' lanes and 6' shoulders for a total width of 34'. However, the primary focus is the intersection, left turn lanes will be built on both the north section of Railroad Avenue and Vineyard Drive and a right turn lane will be constructed on the south section of Railroad Avenue.

Other: Clear Zone, Slopes, Guardrail, Illumination, signals etc.: ☐ Deviation Anticipated?

Proposed safety improvements of adding adequate shoulders, flattening slopes, turn lanes, and flashing stop sign.

ESTIMATED FUNDING AND TIMING**Estimated Year**

| Phase | Est Total Cost | RATA Amount | Start | End |
|----------------------|----------------|-------------|--|--------|
| Design/Prelim. Engr. | \$217,000 | \$195,300 | Jan-23 | Apr-25 |
| Right of Way | \$176,000 | \$158,400 | Jan-24 | Apr-25 |
| Construction | \$1,988,000 | \$1,789,200 | Apr-25 | Dec-25 |
| TOTAL | \$2,381,000 | \$2,142,900 | Schedule of CRAB reimbursements for Construction will be or dependent on Project | |

SPECIAL CONSIDERATIONS THAT MAY AFFECT PROJECT SCHEDULE:

☐ Wetlands ☐ NMFS ☒ R.O.W. ☐ Shorelines ☐ USFWS ☐ BIA ☐ HPA ☐ RR ☐ USACE
☐ WDFW ☐ Cultural (Hist. Arch. Paleo.) ☐ Tied (Other agency work) ☐ Other

LOCAL PROJECT APPROVAL

RAP Project Prospectus prepared under the supervision of:

Signature - County Engineer / Date

RAP Project Prospectus submitted to CRAB with the approval of:

Signature of Chair of the Board of County Commissioners or County Executive / Date

STATE OF WASHINGTON - COUNTY ROAD ADMINISTRATION BOARD

**RURAL ARTERIAL PROGRAM
FINAL PROSPECTUS**

Biennium: 2023 - 2025

Region: SE County: Franklin

PROJECT NARRATIVE

Vineyard Drive West is a rural minor collector, east-west industrial and farm-to-market route that has direct access to SR-395 (MP 27.65) and terminates at North Railroad Avenue.

North Railroad Avenue (previously PH11/SR-395) is a rural major collector, north-south that originates from inside the City of Pasco's industrial sector and terminates by direct access SR-395 (MP 30.18).

Excellent access to Highway 395 and the BNSF rail network, natural gas on-site, and electrical transmission in place; this project will support the rapidly expanding industrial area along North Railroad Avenue and is a key component in successful development for Franklin County.

The proposed project will address the intersection of Vineyard Drive West and North Railroad Avenue deficiencies with emphasis on Vineyard Drive West's sight distance issues and truck turning movements. Since their construction, neither of the roadways have not seen any design or structural upgrades and are past its useful life. If nothing is done, repairs and maintenance cost will escalate since the road was not built to support the current or future traffic loads - both roads current ADT carries over 50% truck traffic. Besides not being structurally sound and sight distance issues, other deficiencies to this section of roadway is the width, need for turn lanes, edge cracking, longitudinal, transverse, and alligator cracking.

Proposed construction work to correct the above-mentioned deficiencies will include reconstruction of the intersection, additional turning lanes, hard surfacing, drainage, and safety enhancements. Completion of this project will construct an all-weather intersection for the continuation of a truck route, prolong the life of the roadway, improve ride, and enhance safety.



VINEYARD WEST DRIVE & NORTH RAILROAD AVENUE INTERSECTION

End Project - N Railroad Intersection MP 3.27

Begin Project - W Vineyard Intersection - MP 0.90

Begin Project - N Railroad Intersection - MP 2.97

N Glade Rd

CITY OF PASCO

Google Earth



1 mi