

HCAOG

2022 REGIONAL TRANSPORTATION IMPROVEMENT PROGRAM (RTIP) – PROJECT CANDIDATE FORM

RTIP programming background:

If the project is on a State Highway, a Project Study Report (PSR) is required. If not, a PSR equivalent is required. The PSR equivalent at a minimum must be adequate to define and justify the project scope, cost and schedule. The PSR or PSR equivalent must be submitted with this programming request.

Applicant Agency: **City of Arcata**

Project Title: **West End Road Rehabilitation Project**

Project Purpose: What transportation deficiency will this project address (safety, congestion, operations, plan implementation, etc.)? If a safety project, will the project reduce fatalities or number and severity of injuries?

The purpose of this project is to rehabilitate West End Road, add additional parking, and increase safety by adding Class II bike lanes. West End Road is a major collector road that provides routes to Arcata's Aldergrove area and to communities directly outside of the City limits. The road currently has a low PCI score of 32 and does not have marked bike lanes. This project will increase safety for motorists and cyclists by improving the condition of the road and adding striping that is currently faded or not present.

Project Location (community name, corridor, street name, etc.): **The project will take place in Arcata, CA along West End Road between Giuntoli Lane and the northern City Limits (before Ericson Way).**

Project Description: **This project will overlay West End Road between Giuntoli Road and Arcata's northern city limits. Overlay will be completed using a 0.2' edge grind. Once overlay is completed, new striping will be placed on the road. The new striping will include adding Class II bike lanes in both directions. Additionally, portions along the northern section of the project area will be striped to include additional parking. The project will not extend past the current roadway area.**

Is the project in the 2017 RTP? **Yes. West End Road is considered regionally significant roadway within the Humboldt's Regional Transportation Plan, *Variety in Rural Options of Mobility (VROOM)*.**

Are you requesting State only funding? **Yes**

If a rehabilitation project, is it located on a federal-aid eligible road (higher than a local or minor collector road)? **Yes. West End Road has a functional class of "Major Collector".**

Provide Project Component funding needs:

Project Component	Cost Estimate	STIP Funding Request	Other fund contribution	Allocation Schedule
Environmental Studies & Permits	\$	\$	\$	Jan-Apr 2022
Plans, Specifications & Estimates	\$ 36,900	\$	\$ 36,900	Jan-Jul 2022
Right of Way	\$	\$	\$	N/A
Construction	\$ 369,000	\$ 350,000	\$19,000	Aug 2022 – Dec 2023
Total	\$ 405,900	\$ 350,000	\$ 55,900	

Please describe any other relevant information about this project you feel will be useful in project selection. Additional attachments (i.e. maps, photos) may also be included with the submittal.

Please see attached PSR Equivalent and Location Map.

**PROJECT STUDY REPORT Equivalent (PSRe)
West End Road Rehabilitation Project**

Project Limits: The limits of the project are within Arcata. The project will take place along West End Road between Giuntoli Lane and the northern City limits.

1 Need and Purpose

The purpose of this PSRe is to show the need for the improvements along West End Road. West End Road has a “major collector” functional class and provides the only local route to communities just outside of the city limits. Currently, this section of the road does not provide any cycling facilities. Additionally, the section of the road has a low pavement condition index (PCI) of 33. Improvements to the road surface will make it safer for motorists and cyclists. Additionally, new striping will provide cyclists with their own lane and increase their safety. Currently, the road experiences motorists travelling at high speeds and provides limited pedestrian/bicyclist facilities. The road condition varies throughout the project area but a large amount scored “poor” for its Pavement Condition Index (PCI) (NCE, 2017). Not proceeding with any improvements will result in continued deterioration of the roadway surface along this street segment.

2 Current Conditions

The project area is located in northeastern Arcata in the Aldergrove Area. This area includes numerous industrial and commercial businesses. The road currently has a PCI of 33 and many of the current striping and pavement markers are faded. The project area currently does not have any striping for bike lanes, but the current road is wide enough to allow for two motorist lanes and two bicycle lanes.

3 Project Alternatives

Two alternatives were considered to improve West End Road. All the following alternatives are within the right-of-way (ROW) of the City of Arcata.

3.1 Alternative One: Overlay and Current Striping Configuration

Alternative One proposes overlaying all of West End Road within the project area using a 0.2' edge grind. Once the road has been resurfaced, the road will be restriped using the same striping configuration that is currently in place. This includes a yellow centerline, double yellow striping near the Giuntoli Lane/West End Road Intersection, and a few pavement markers. Alternative One does not provide any facilities for bicyclists. The work will take place within the current footprint of the road.

Table 3.1 provides a preliminary cost estimate for the project.

Table 3.1 Preliminary project cost for Alternative One.

Task	Cost
Plans, Specifications, & Estimates (10% of Construction Costs)	\$ 26,080.00
Construction Capitol Cost	\$ 260,800.00
SUBTOTAL	\$ 286,880.00

3.2 Alternative Two: Overlay and New Striping Configuration

Alternative Two proposes overlaying all of West End Road within the project area using a 0.2' edge grind. Once the road has been resurfaced, the road will be restriped with a new configuration that adds Class II bike lanes in both directions and adds additional parking spaces along the northern portion of the road. Additional striping includes centerlines and double yellow striping. The work will take place within the current footprint of the road.

Table 3.2 provides a preliminary cost estimate for the project.

Table 3.2 Preliminary project cost for Alternative Two.

Task	Cost
Plans, Specifications, & Estimates (10% of Construction Costs)	\$ 36,900.00
Construction Capitol Cost	\$ 369,000.00
SUBTOTAL	\$ 405,900.00

3.3 Alternative Analysis

Both alternatives would improve the road surface and make travelling safer for motorized vehicles. However, Alternative Two provides separate bike lanes for cyclists. Alternative Two improves safety for more than one mode of transportation. Because of the improved safety, the City prefers Alternative Two.

4 **Environmental Status**

An initial environmental study will be prepared once the preliminary engineering design is finalized. Because the project will not include any new construction, it will receive a categorical exemption.

5 **Additional Considerations**

The following section describes additional considerations that need to be considered when planning for this project.

5.1 System Planning

The project is consistent with the Transportation Element of the City of Arcata General Plan. This includes adding striped bicycle lanes to arterial roads and increasing pedestrian facilities.

5.2 Construction Considerations

No prolonged closures are anticipated during construction and construction flagging and traffic control will be used. One 5-foot wide paved shoulder in each direction will try to be provided for bicyclists during construction. Certain phases may require vehicles and bicyclists to share the traffic lane.

5.3 Hazardous and Waste Material

There are no expected hazardous materials to be encountered for any aspect of the project. AC grinding and aggregate base will be reused for the road base and will not require disposal of the current material. If removal is necessary, it will be removed from the project site and stockpiled at City facilities for future use.

5.4 Additional Agencies

Arcata will coordinate with local emergency responders, law enforcement and school districts during construction to minimize congestion and plan for alternative routes.

6 **Potential Funding Sources**

The City is applying for partial state funding through the State Transportation Improvement Program (STIP). State funds will fund the construction portion of the project. Additional funds, including design engineering and will be provided by local funds from Measure G.

7 **Tentative Schedule**

Below is a tentative schedule of project milestones. The project will begin at the beginning of 2022 and be completed by early 2023.


Start of Environmental Study	January 2022
Draft Environmental Study	February 2022
Final Environmental Study	April 2022
Begin Design Engineering	January 2022
Completion of Plans, Specifications, and Estimates	July 2022
Start Right-of-Way Acquisition	NA
Right-of-Way Certificate	NA
Ready to Advertise	August 2022
Start Construction (Contract Award)	Early 2023
Project Completion	December 2023


8 **Project Support**

Survey, design, and preparation of final plans, specifications & estimates will be performed by City Engineering staff or contracted. City forces will perform environmental review, preliminary design and public meetings.

9 **Report Preparation**

This Project Report (PSR) has been prepared by the Arcata Engineering Department, and I hereby attest to its technical content.

Prepared By: 
 Marcela Jimenez, EIT
 Engineering Aide

Reviewed By: 
 Netra Khatri, PE
 City Engineer

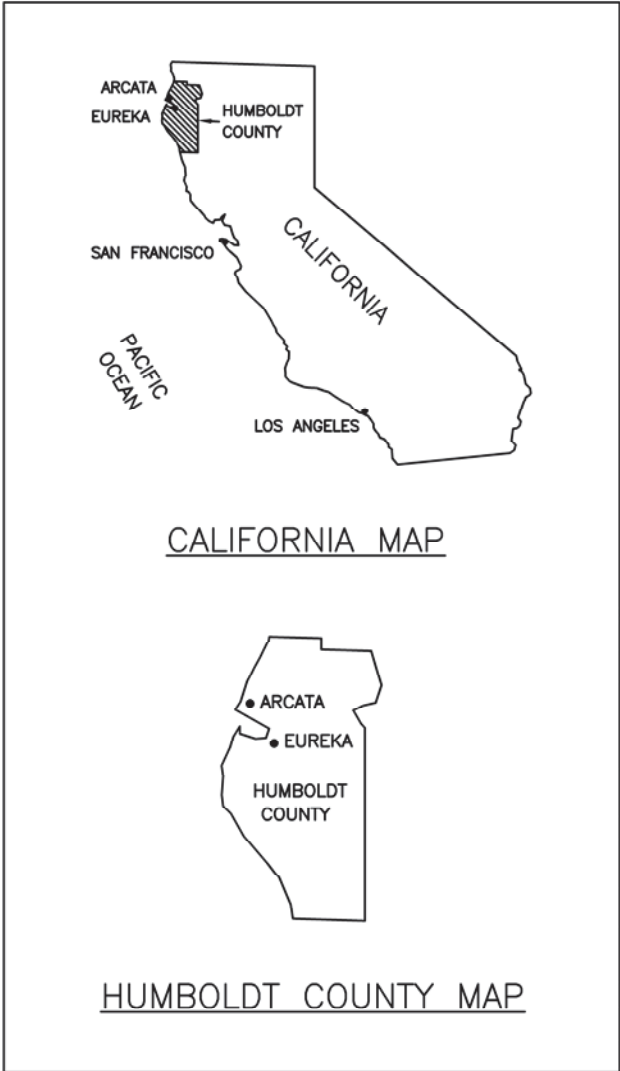
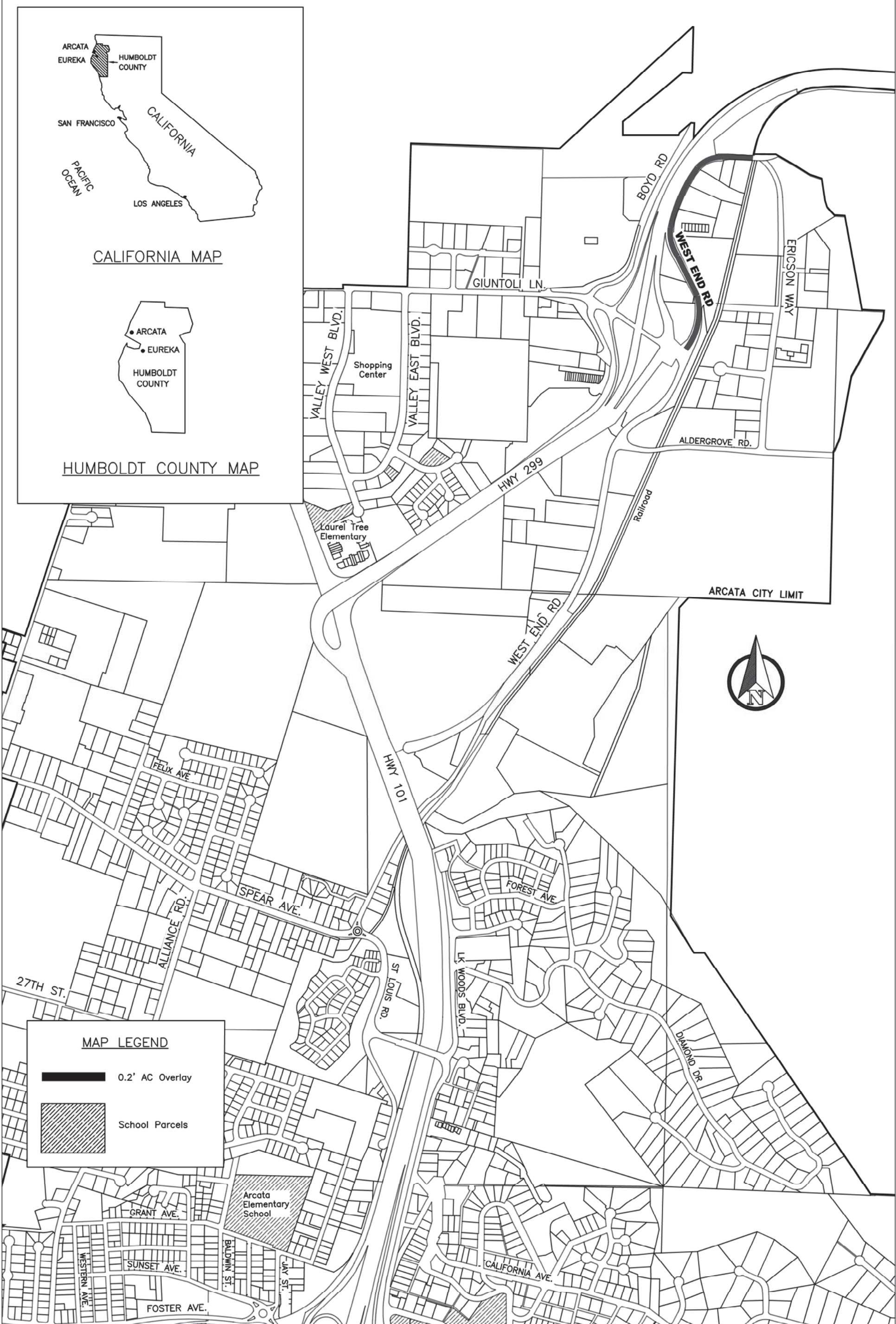
Date: 9/15/2021

Date: 9/15/2021


List of Attachments

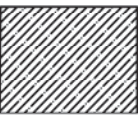
Location Map

PROJECT STUDY REPORT EQUIVALENT (PSRe)
 West End Road Improvement Project



MAP LEGEND

 0.2' AC Overlay

 School Parcels



CITY OF ARCATA
PROJECT LOCATION MAP

West End Road; GIUNTOLI LN.
TO RAILROAD CROSSING NEAR ERICSON WAY

SCALE: 1"= 800' DATE: 9/13/2021

FILE: Arcata STIP Map_2021_West End Rd.dwg