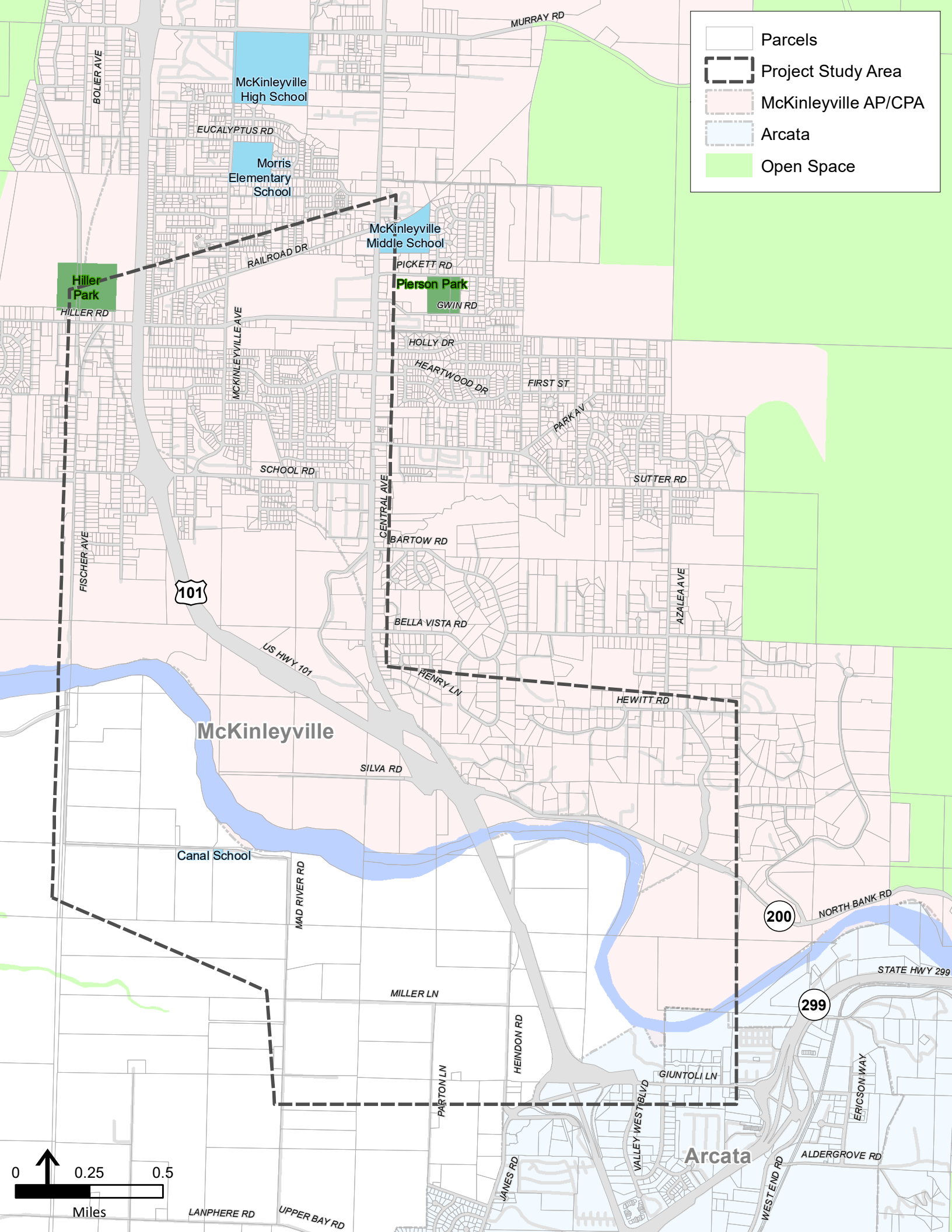
HUMBOLDT COUNTY

APPENDIX A: Existing Conditions Maps

MARK THOMAS


Parcels
Project Study Area
McKinleyville AP/CPA
Arcata
Open Space
MURRAY RD
BOLER AVE
McKinleyville High School
EUCALYPTUS RD
Morris Elementary School
McKinleyville Middle School
RAILROAD DR
PICKETT RD
Hiller Park
HILLER RD
Pierson Park
GWIN RD
MCKINLEYVILLE AVE
HOLLY DR
HEARTWOOD DR
FIRST ST
PARK AV
SCHOOL RD
SUTTER RD
CENTRAL AVE
BARTOW RD
FISCHER AVE
101
AZALEA AVE
BELLA VISTA RD
US HWY 101
HENRY LN
HEWITT RD
McKinleyville
SILVA RD
Canal School
MAD RIVER RD
200
NORTH BANK RD
STATE HWY 299
299
MILLER LN
HEINDON RD
PARTON LN
GIUNTOLI LN
VALLEY WEST BLVD
ERICSON WAY
Arcata
ALDERGROVE RD
JANES RD
WEST END RD
LANPHERE RD
UPPER BAY RD
0
0.25
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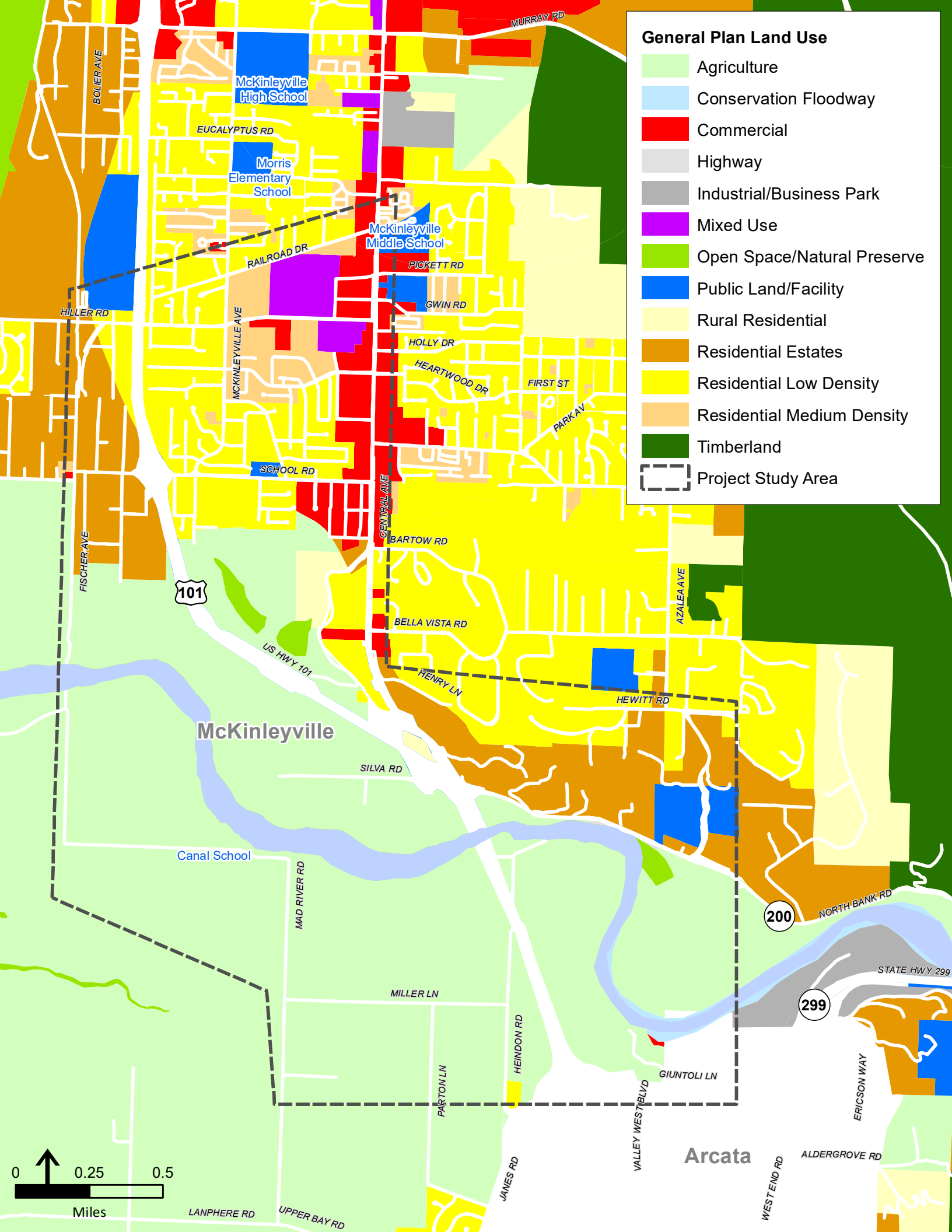
Miles


General Plan Land Use
Agriculture
Conservation Floodway
Commercial
Highway
Industrial/Business Park
Mixed Use
Open Space/Natural Preserve
Public Land/Facility
Rural Residential
Residential Estates
Residential Low Density
Residential Medium Density
Timberland
Project Study Area
McKinleyville High School
Morris Elementary School
McKinleyville Middle School
BOLER AVE
EUCALYPTUS RD
MURRAY RD
RAILROAD DR
PICKETT RD
GWIN RD
HILLER RD
MCKINLEYVILLE AVE
HOLLY DR
HEARTWOOD DR
FIRST ST
PARK AV
SCHOOL RD
CENTRAL AVE
BARTOW RD
FISCHER AVE
101
US HWY 101
BELLA VISTA RD
AZALEA AVE
HENRY LN
HEWITT RD
McKinleyville
SILVA RD
Canal School
MAD RIVER RD
200
NORTH BANK RD
STATE HWY 299
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MILLER LN
HEINDON RD
PARTON LN
GIUNTOLI LN
VALLEY WEST BLVD
ERICSON WAY
Arcata
ALDERGROVE RD
JANES RD
WEST END RD
LANPHERE RD
UPPER BAY RD
0
0.25
0.5
Miles


Street Classifications
Unclassified
Local Roads
Major Collectors
Minor Collectors
Principal Arterials
Minor Arterials
Private
Project Study Area
McKinleyville AP/CPA
Arcata
Open Space
MURRAY RD
BOLIER AVE
McKinleyville High School
EUCALYPTUS RD
Morris Elementary School
McKinleyville Middle School
RAILROAD DR
PICKETT RD
Hiller Park
HILLER RD
Pierson Park
GWIN RD
MCKINLEYVILLE AVE
HOLLY DR
HEARTWOOD DR
FIRST ST
PARK AVE
SCHOOL RD
SUTTER RD
CENTRAL AVE
BARTOW RD
McKinleyville
FISCHER AVE
101
AZALEA AVE
BELLA VISTA RD
US HWY 101
HENRY LN
HEWITT RD
SILVA RD
Canal School
MAD RIVER RD
200
NORTH BANK RD
STATE HWY 299
MILLER LN
299
HEINDON RD
PARTON LN
GIUNTOLI LN
VALLEY WEST BLVD
ERICSON WAY
Arcata
ALDERGROVE RD
JANES RD
WEST END RD
LANPHERE RD
UPPER BAY RD
0
0.25
0.5
Miles


Posted Speed Limits
25
35
45
55
65
Project Study Area
McKinleyville AP/CPA
Arcata
Open Space
MURRAY RD
BOLER AVE
McKinleyville High School
EUCALYPTUS RD
Morris Elementary School
McKinleyville Middle School
RAILROAD DR
PICKETT RD
Hiller Park
Pierson Park
GWIN RD
HILLER RD
MCKINLEYVILLE AVE
HOLLY DR
HEARTWOOD DR
FIRST ST
PARK AV
SCHOOL RD
SUTTER RD
CENTRAL AVE
FISCHER AVE
BARTOW RD
101
AZALEA AVE
BELLA VISTA RD
US HWY 101
HENRY LN
HEWITT RD
McKinleyville
SILVA RD
Canal School
MAD RIVER RD
200
NORTH BANK RD
STATE HWY 299
299
MILLER LN
HEINDON RD
PARTON LN
GIUNTOLI LN
VALLEY WEST BLVD
ERICSON WAY
Arcata
ALDERGROVE RD
JANES RD
WEST END RD
LANPHERE RD
UPPER BAY RD
0
0.25
0.5
Miles


Average Daily Trips
2,000 - 2,600
2,601 - 13,000
13,001 - 17,000
17,001 - 20,000
20,001 - 34,000
Project Study Area
Open Space
McKinleyville AP/CPA
Arcata
MURRAY RD
BOLER AVE
McKinleyville High School
EUCALYPTUS RD
Morris Elementary School
McKinleyville Middle School
RAILROAD DR
PICKETT RD
Hiller Park
HILLER RD
Pierson Park
GWIN RD
MCKINLEYVILLE AVE
HOLLY DR
HEARTWOOD DR
FIRST ST
PARK AV
16400
SCHOOL RD
SUTTER RD
CENTRAL AVE
FISCHER AVE
BARTOW RD
101
AZALEA AVE
BELLA VISTA RD
US HWY 101
19300
HENRY LN
HEWITT RD
McKinleyville
SILVA RD
33900
2600
Canal School
MAD RIVER RD
200
NORTH BANK RD
2000
STATE HWY 299
299
10700
MILLER LN
HEINDON RD
GIUNTOLI LN
PARTON LN
VALLEY WEST BLVD
ERICSON WAY
Arcata
ALDERGROVE RD
33200
12600
JANES RD
WEST END RD
0
0.25
0.5
Miles
LANPHERE RD
UPPER BAY RD


Bicycle Collisions (2015-2019)
Severe Injury
Visible Injury
Complaint of Injury
Pedestrian Collisions (2015-2019)
Fatal
Severe Injury
Visible Injury
Complaint of Injury
Project Study Area
McKinleyville AP/CPA
Arcata
Open Space
MURRAY RD
BOLIER AVE
McKinleyville High School
EUCALYPTUS RD
Morris Elementary School
McKinleyville Middle School
RAILROAD DR
PICKETT RD
Hiller Park
HILLER RD
Pierson Park
GWIN RD
MCKINLEYVILLE AVE
HOLLY DR
HEARTWOOD DR
FIRST ST
PARK AV
SCHOOL RD
SUTTER RD
CENTRAL AVE
BARTOW RD
FISCHER AVE
101
AZALEA AVE
BELLA VISTA RD
US HWY 101
HENRY LN
HEWITT RD
SILVA RD
Canal School
MAD RIVER RD
200
NORTH BANK RD
STATE HWY 299
299
MILLER LN
HEINDON RD
PARTON LN
GIUNTOLI LN
VALLEY WEST BLVD
ERICSON WAY
Arcata
ALDERGROVE RD
JANES RD
WEST END RD
LANPHERE RD
UPPER BAY RD
0
0.25
0.5
Miles


Average Day Total (Southbound)
0 - 10
11 - 20
21 - 30
31 - 40
Average Day Total (Northbound)
0 - 10
11 - 20
21 - 30
31 - 40
HTA Transit Line
Project Study Area
Open Space
McKinleyville AP/CPA
Arcata
MURRAY RD
BOLIER AVE
McKinleyville High School
EUCALYPTUS RD
Morris Elementary School
McKinleyville Middle School
RAILROAD DR
PICKETT RD
Pierson Park
GWIN RD
Hiller Park
HILLER RD
MCKINLEYVILLE AVE
HOLLY DR
HEARTWOOD DR
FIRST ST
PARK AV
SCHOOL RD
CENTRAL AVE
BARTOW RD
FISCHER AVE
101
AZALEA AVE
BELLA VISTA RD
US HWY 101
HENRY LN
HEWITT RD
McKinleyville
SILVA RD
Canal School
MAD RIVER RD
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NORTH BANK RD
STATE HWY 299
MILLER LN
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HEINDON RD
GIUNTOLI LN
PARTON LN
VALLEY WEST BLVD
ERICSON WAY
Arcata
ALDERGROVE RD
JANES RD
WEST END RD
0
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Miles
LANPHERE RD
UPPER BAY RD

HUMBOLDT COUNTY

APPENDIX B - Phase 1 Engagement Presentations and Materials

MARK THOMAS

McKinleyville Multimodal Connections Project
Project Task Force (PTF) Meeting Minutes
Monday, May 17th, 2021 3:00 – 4:30 p.m.

Participants

- Nic Collart, McKinleyville High Principal
- Bonnie Oliver, Community member
- Mitchell Higa, Humboldt Bay Bike Commuters Association
- Alexis Kelso, Caltrans
- Mary Burke, McKinleyville Municipal Advisory Commitee
- Colin Fiske, Coalition for Responsible Transportation Priorities
- Consuelo Espinoza, Humboldt Transit Authority
- Sandra Rosas, Community member
- Tom Mattson, Humboldt County Public Works
- Ben Winker, Area 1 Agency on Aging
- Elaine Hogan, DHHS Public Health
- Tiffany Maher - Morris Elementary School Principal
- Suresh Ratnam, Caltrans
- John Miller, Humboldt County
- Kelly Garrett, Community member
- Lisa Hockaday, Caltrans
- Amada Lang, Two Feathers
- Pat Kaspari, McKinleyville Community Services District
- Stevie Luther, Humboldt County Association of Governments
- Supervisor Steve Madrone, Humboldt County Supervisor
- Oona Smith, Humboldt County Association of Governments
- Jenny Weiss, Redwood Community Action Agency
- Carla Avila, Redwood Community Action Agency
- Paul Martin, Mark Thomas & Associates
- Jae Riddle, Mark Thomas & Associates
- Maya Kulkarni, Mark Thomas & Associates
- Alex, Mark Thomas & Associates

Icebreaker: What interests/ excites you about the project?

Nic Collart is a lifelong McKinleyville resident excited about creating transportation connections to help support the tight knit community and provide options for exercise.

Bonnie Oliver is a 30 year McKinlevyille resident looking forward to seeing more biking and walking connections in McKinleyville.

Mitchell Higa is a 23 year McKinleyville resident excited to share ideas for better connections.

Alexis Kelso is interested in proposing improvements to the State Highway System.

Mary Burke is co leading the ad hoc Active Transportation Committee for the McKinleyville Municipal Advisory Committee and pointed out that this project is important and necessary because it is in the unincorporated area where by design goals can be harder to achieve.

Colin Fiske is excited about the project because he lived in McKinlevyille for 8 years and did not always feel safe walking and bicycling there.

Consuelo Espinoza is a transit planner for HTA and is interested in working towards creating different modes of transportation between McKinleyville and Arcata.

Sandra Rosas is a cyclist and member of the MMAC ad hoc committee. She is excited to see the project progress to this stage and is interested in seeing more connectivity and improvements at the 'gateway' of McKinleyville for safer biking.

Tom Mattson is excited about the process and working with Caltrans for better connections

Lt. Kevin Miller is with the Humboldt County Sheriff's Office and works on operations in McKinleyville. He sees this project as a great opportunity.

Ben Winker N/A

Bonnie Oliver is a 30 year McKinleyville resident and on the McKinleyville Municipal Advisory Committee. She is interested in improved walking and bicycling connections in McKinleyville.

Elaine Hogan is excited to see design concepts that are developed and how infrastructure improvements can get more people walking and bicycling.

Tiffany Maher is the principal of Morris Elementary and is especially interested in increasing safe routes to school and fixing spots where the sidewalk ends. There are lots of walkers at her school and safety is important to her.

Suresh Ratnam is excited to get real work done that creates meaningful change and increases non vehicle transportation choices for people.

John Miller is working on pedestrian and bicycle safety and access for the proposed Town Center Development is excited to tie in and take advantage of the outcomes of this project.

Kelly Garrett lives on North Bank Road near the Highway 101 interchange and is interested in cycling improvements on Central Avenue in conjunction with the Town Center Development efforts.

Lisa Hockaday is the Pedestrian and Bicycle Coordinator for caltrans and is excited to give input for non motorized transportation in McKinleyville.

Amada Lang is with Two Feathers and shared later during the meeting she is excited to serve as liaison for this project to represent native youth through an existing bike club in McKinlevyille.

Pat Kaspari is the General Manager for McKinleyville Community Services District and is excited to see any new infrastructure improvements installed in McKinleyville.

Stevie Luther grew up in McKinleyville and rode his bike to school. He would like it to be possible for more kids to bike to school and is excited about a seamless connected trail system.

Supervisor Steve Madrone is glad to be part of the effort and has been involved in McKinleyville improvement projects for 35 years.

Jenny Weiss is excited to work with the community to increase safety and options for more walking and bicycling.

Carla Avila is excited to work with the McKinleyville community and learn about their vision for McKinleyville in regards to safer transportation

Paul Martin is the project manager with Mark Thomas & Associates and is looking forward to learning more about McKinleyville.

Jae Riddle is a Planner with Mark Thomas & Associates focusing on pedestrian and bicycle transportation and is excited to work with eager community members.

Maya Kulkarni is an intern with Mark Thomas & Associates and is excited to be a part of the process and learn from the McKinleyville community.

Alex is a consultant with Mark Thomas & Associates and is looking forward to working on the project.

Project Background, Goals, and Roles

Background :

- There has been interest for a long time to take a closer look at multimodal connectivity between McKinleyville and Arcata.
- This proposed project was conceived by an informal McKinleyville Trails Group looking to improve pedestrian and bicycle connectivity with McKinleyville's south end 'gateway' becoming the focus of the effort.
- The project has also been shaped by prior Complete Streets planning efforts by the County of Humboldt and the Humboldt County Association of Governments (HCAOG) as components of this project are priorities listed in both HCAOG's Regional Transportation Plan VROOM, (2017) and in the Humboldt Regional Bicycle Plan (2018). The proposal was also informed by outcomes of a walkability assessment in the project area (along Hiller, Central and Railroad) in May 2019 conducted by County Public Health, McKinleyville Middle School, and RCAA. The final scope of proposal was determined through public meetings of the McKinleyville Municipal Advisory Committee in summer 2019.
- The County, RCAA, residents and an informal McKinleyville Trails group put together a proposal for the Caltrans Sustainable Communities Planning Grant program a couple years ago that was not funded. After review from Caltrans the effort was brought to the MMAC and publicly noticed there through an ad hoc committee. The final scope of this proposal was determined through public meetings of the MMAC in summer of 2019. The application was resubmitted and successfully awarded.

Timeline:

- The project started in March with a Team Kick Off meeting and will continue through December 2022.

- Mark Thomas & Associates have been reviewing local planning docs pertaining to walking, biking and they are working on gathering multimodal data to set baselines and measure impacts. They will be doing field reconnaissance and conducting an opportunities and constraints analysis for walking/biking connectivity and traffic calming.
- RCAA has been working on developing a website, survey and outreach materials and will be starting to solicit public engagement in the project this summer with the first series of public engagement activities including a public workshop.
- Draft concept designs for improvements will be developed by Mark Thomas & Associates as public input continues to be gathered through a second series of engagement activities in early 2022 when the draft concept designs will be shared at a second public meeting.
- Concept designs will also be reviewed by the Project Task Force at subsequent meetings then finalized.
- PTF Meetings will be held again in the Fall of 2021 and Spring of 2022
- A draft report will be created followed by a final report wrapping up the project by December 2022.

Goals*:*

- Integrate existing transportation and housing planning efforts such as the planned McKinleyville Town Center Development**.**
- Engage the community to create a plan with concept designs for enhanced safety and connectivity for walking and bicycling between McKinleyville and community destinations to the south around Humboldt Bay to reduce GHG emissions and encourage more non-motorized transportation between McKinleyville and Arcata.

Objectives:

- We will create a plan for safer walking and biking within McK and between Mck and Arcata with appropriate concept designs.
- We will be engaging the community as robustly as possible to receive meaningful input from diverse community members. We have also set outreach performance targets to ensure we are receiving participation by vulnerable populations and will measure our progress.
- Equity and Environmental justice are a strong consideration in this planning process.
- We will quantify potential greenhouse gas emission reductions through improved safety and encouragement of walking, bicycling and active transportation.
- We will ensure participation by local youth in the outreach process
- We will be using best practices for street designs that are appropriate to our rural community
- We will plan for enhanced safety for walking, biking, and transit
- We will identify project priorities for further study and implementation
- ID implementation funding sources
- Develop a plan that increases commuting by active transportation within and from McKinleyville to Arcata

Roles:

- Caltrans is the funder. Specifically this project is funded through a Caltrans Sustainable Communities Planning Grant. This funding program was created to support Caltrans' mission of providing a safe, sustainable integrated and efficient transportation system to enhance California's economy and livability. The program is focused on encouraging local and regional planning that furthers state goals. SB 1 the Road Repair and Accountability Act of 2017 – also known as the Gas Tax bill – is providing funding to integrate the state's multimodal transportation system and achieve the State's greenhouse gas reduction targets (of 40 and 80 percent below 1990 levels by 2030 and 2050 respectively).
- Hum Co Public Works is the applicant
- RCAA is sub-applicant and will be leading the outreach
- Mark Thomas & Associates are the experts in trail and multimodal transportation design and will be gathering and analyzing data, identifying gaps in the multimodal network, creating concept designs and developing the report/plan.
- PTF will be asked to attend 3 meetings (2 more after this), providing feedback on the project approach, insight for community outreach strategies, and guidance for refining concept improvements.

Community Outreach Plan

The purpose of the public engagement will be to solicit feedback on safety concerns and ideas for improved walking and bicycling connectivity in McKinleyville and between McKinleyville and Arcata. This includes the southern entrance to McKinlevyille at the Central Avenue/North Bank Road/Highway 101 interchange and connections between Central Avenue and the Hammond Coastal Trail. RCAA will work to include voices typically left out of planning processes including non-English speakers, single parents and carless households. All public outreach strategies will be publicly noticed, include a diversity of local media and distributed in English and Spanish.

Outreach Activities will include:

- Project website: https://humboldtgov.org/2912/McKinleyville-Multimodal-Connections-Pro
- Outreach flyer with project background info, survey link, event dates, contact info
- Online and print surveys, intercept surveys at key locations
- Direct Stakeholder engagement
- Community Workshop #1 will include:
    - Project goals and objectives
    - Presentation of current transportation issues
    - Invitation to participate in outreach events
    - Facilitated small group discussions to id issues and priorities
- Small Group Walking Tours
- Public Photo/Video Submissions
- Pop Up Infrastructure Demonstration
- Community Workshop #2 will include:
    - Presentation on feedback received, potential improvement alternatives
    - Solicit feedback from community to ID elements for final plan
    - Describe next steps to finalize plan

- Explore implementation opportunities

This project will focus on and prioritize the needs of disadvantaged communities and promote solutions that integrate community values, capacity and need with transportation safety. Based on current demographic data from the US Census for the project area, we have selected **outreach targets that** include the percentage of each demographic within the project area and detail the intention of the project team to reach these particular demographics through outreach activities. We will be tracking demographics of community members reached through anonymous survey questions during each of the outreach activities.

Outreach Schedule - We have had our team kickoff meetings and are holding our first PTF now. We will be refining our outreach materials in June and launching the flyers, mailers, PSA's and surveys over the summer, likely July or August. We will share those materials with you to share with your clients and constituents. Our first community meeting will be held in August or September once we have had time to get initial feedback and review existing conditions data. We will be doing intercept surveys with cyclists and pedestrians, and one on one stakeholder meetings over the summer into the fall. And we will be asking the public for photos and short videos with clear descriptions to submit on their concerns around the south gateway area in lieu of a community walk there. It is too dangerous and risky to host a group walking along that area. Prior to a second Community Meeting in the summer of 2022 we will hold a Pop up infrastructure demonstration to provide opportunities for community members to see what potential improvements might look like on the ground.

PTF Outreach Suggestions:

- Horseriders Association
- Valley West
- Native Youth Advocate from Two Feathers
- Low-Vision Support Group
- Tri-County Independent Living
- First Five and outreach to daycare providers to get input from young families

Existing Conditions & Concerns

Project Area Reviewed

What are your concerns as a...

1) Driver

- North Bank Road going north towards Central Avenue and the Central Avenue Exit off the 101 intersection are both concerns. There are often near misses with pedestrians making right turn onto the hill going to Central Avenue
- High speed exits off the 101 and the narrowing roads coming up the hills
- Speed overall at the loop that is on School Rd and goes up to Hiller. This is the only route into that neighbourhood and there is a lot of traffic when people are trying to get to Hiller Park for sporting events. Speed of traffic is a concern for the neighborhood.

2) Ped or mobility device user

- There has been an increase in pedestrian traffic since the beginning of Covid-19 in Mckinleyville

- The County added sidewalks on School Road and they were instantly utilized by the community especially families with strollers and mobility devices
- There is no enforcement of the crosswalks on Central Avenue and pedestrian traffic safety in general. Some drivers do not respect the crosswalk lights and will not stop. Pedestrian traffic has to be extra cautious even with the crosswalk lights. There needs to be more enforcement.
- There are residents that get angry when the crosswalk flashing lights are pressed and don't like to get slowed down on Central Avenue. There needs to be a cultural shift on attitudes towards pedestrians and slowing down.
- There is a lot of resistance to traffic calming measures by some residents in Mckinleyville. Changing attitudes towards pedestrians, cyclists, and traffic calming measures should be addressed in the planning.
- Anything south of School Rd on Central Avenue is very difficult for pedestrians especially where the shoulders narrow towards the top of the hill and further down towards North Bank Road
- The School Road 101 overcrossing is dangerous for pedestrians. People speed here to get onto the highway. There is also speeding coming off the highway turning east on School. Drivers often don't look or stop and it's a long crossing distance for pedestrians.
- There has been a lot more pedestrian traffic on North Bank Road. Going up Azalea is very dangerous and there are many more people walking here from the beginning of the Pandemic. People are speeding on Azalea and North Bank Road.
- Coming off of the bridge and approaching that intersection of Central Avenue and North Bank Road is very dangerous
- Overgrown hedges and shrubs push people off sidewalks or out into the street all over McKinleyville

3) Bicyclist

- Cycling on Azalea is dangerous because of drivers speeding and not respecting the 3 feet rule. There are no shoulders and the connection to the Mad River Bridge is scary.
- Going into town is dangerous from North Bank Road because of speeding and narrow shoulder.
- The signal at the School Road and Central Avenue intersection does not seem to be triggered by bikes. The configuration is also not very good because cyclists are guided to the left lane.
- Cyclists have almost been hit in the bike lane because drivers are not paying attention and almost turn into cyclists.
- The roundabout on School Road can be very difficult as a cyclist.
- The grade of the bike lane impacts cyclists. Some types of grade slow down cyclists going up the hill.
- Going downhill through the roundabout on School road is difficult because drivers do not want to let you in front of them.
- Turning left to any business on Central Avenue is sketchy and dangerous for cyclists.
- Installing those posts that bend when you hit them to provide a separation between cars and bikes/peds heading up from North Bank up and merging up Central Ave.

4) Transit rider or operator

- Redwood Transit has a route that stops about once an hour in McKinleyville
    - Comfortable and has wifi
    - There are bike racks but commonly they are full and riders have to wait another hour before the next bus.

Additional Comments:

- Identify all possible routes for multimodal use even if they are on private property. This worked for the Hammond Trail. Do not limit designs to just County ROW. “Don’t narrow ourselves down” Look at the whole picture and identify all possibilities and opportunities. There are benefits for private landowners to collaborate on these types of projects.
    - Levee trail
    - Easements
- There is a lot of momentum for McKinleyville transportation improvements
- The McKinleyville Transit Study will be released soon.

Next Steps

- Review of existing conditions, data, and plans
- Development of opportunities and constraints analysis
- Community Outreach to launch in June with flyer, survey, and small group observations/walking tours
- Community Workshop to be held in August or September
- Please share outreach materials and input opportunities with your organization list when they become available

McKinleyville Multimodal Connections Project

We Need Your Input!

Humboldt County is developing a plan to improve safety and connectivity for all travel modes between McKinleyville and destinations south across the Mad River around Humboldt Bay. Please share your ideas at a walking tour, community meeting, through a survey or by sending an email.

Walking Tours: Monday, August 16th 3 to 5 p.m.

Please meet at one of the following locations and plan to regroup at Azalea Hall immediately after the walks to report out:

- **Hiller Park Parking Lot** to observe conditions along Hiller Road
- **North end of Wymore Road in Arcata** at the bike trail to observe conditions north of the Mad River Bridge and to discuss concerns near Bella Vista
- **McKinleyville Middle School Parking Lot** to observe conditions along Central Avenue and access to the Senior Center, Library, Teen Center and Pierson Park

Virtual Community Meeting: Monday, August 23rd 6 to 7:30 p.m.

Learn about the project goals and provide your input during an online Community Meeting.

- Meeting Link: https://us06web.zoom.us/j/83444830335

Take a Survey to help the project team understand your concerns and priorities.

- https://www.surveymonkey.com/r/McKMultimodal (English)
- https://www.surveymonkey.com/r/McKEncuesta (Spanish)

English survey link

Spanish survey link

Sign up for project updates at: https://bit.ly/mckmultimodalproj

For more information contact Jenny Weiss at weiss@nrsrcaa.org

Proyecto de Conexiones Multimodal en McKinleyville

¡Necesitamos su opinión!

El condado de Humboldt está desarrollando un plan para mejorar la seguridad y la conectividad para todos modos de transportación entre McKinleyville y a destinos al sur a través del Mad River alrededor de la bahía de Humboldt. Comparta sus ideas en una junta comunitaria, una caminata comunitaria, a través de una encuesta o enviando un correo electrónico.

Caminata Comunitaria: lunes 16 de agosto de 3 a 5 p.m.

Reúnanse en uno de los siguientes lugares y planee reagruparse en Azalea Hall inmediatamente después de las caminatas para reportar:

- **Estacionamiento de Hiller Park** para observar las condiciones a lo largo de Hiller Road
- **Parte Norte de Wymore Road en Arcata en el sendero para bicicletas** para observar las condiciones al norte de el Mad River Bridge y para discutir preocupaciones cerca de Bella Vista
- **El estacionamiento de la escuela secundaria McKinleyville** para observar las condiciones a lo largo de Central Avenue y acceso al Centro para Personas Mayores, Biblioteca, Centro para Adolescentes y Pierson Park

Junta comunitaria virtual: lunes 23 de agosto de 6 a 7:30 p.m

Conozca los objetivos del proyecto y comparta su opinión durante una junta comunitaria en línea.

- **Enlace en línea para la junta comunitaria:** https://us06web.zoom.us/j/83444830335

Toma una encuesta y ayudar al equipo del proyecto a comprender sus preocupaciones y prioridades.

- https://www.surveymonkey.com/r/McKMultimodal (Inglés)
- https://www.surveymonkey.com/r/McKEncuesta (español)

Encuesta en Inglés

Encuesta en español

Regístrese para recibir actualizaciones del proyecto en:

https://bit.ly/mckmultimodalproj

Para obtener más información, comuníquese con Carla Avila en carla@nrsrcaa.org

McKinleyville Multi-Modal Connections Project

Please use any part of this page to write observations and comments. Mark-up areas of the map to track your findings.

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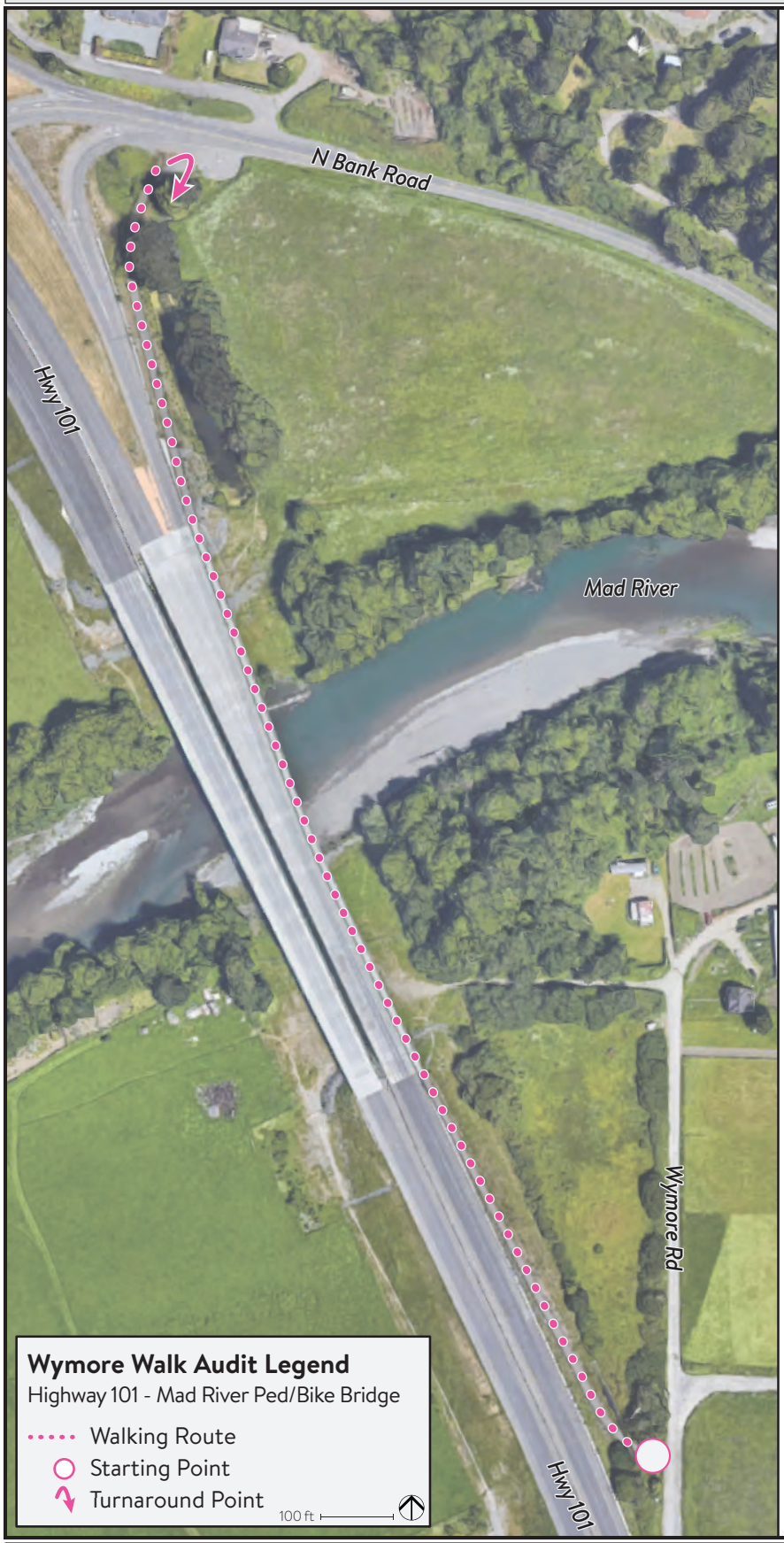

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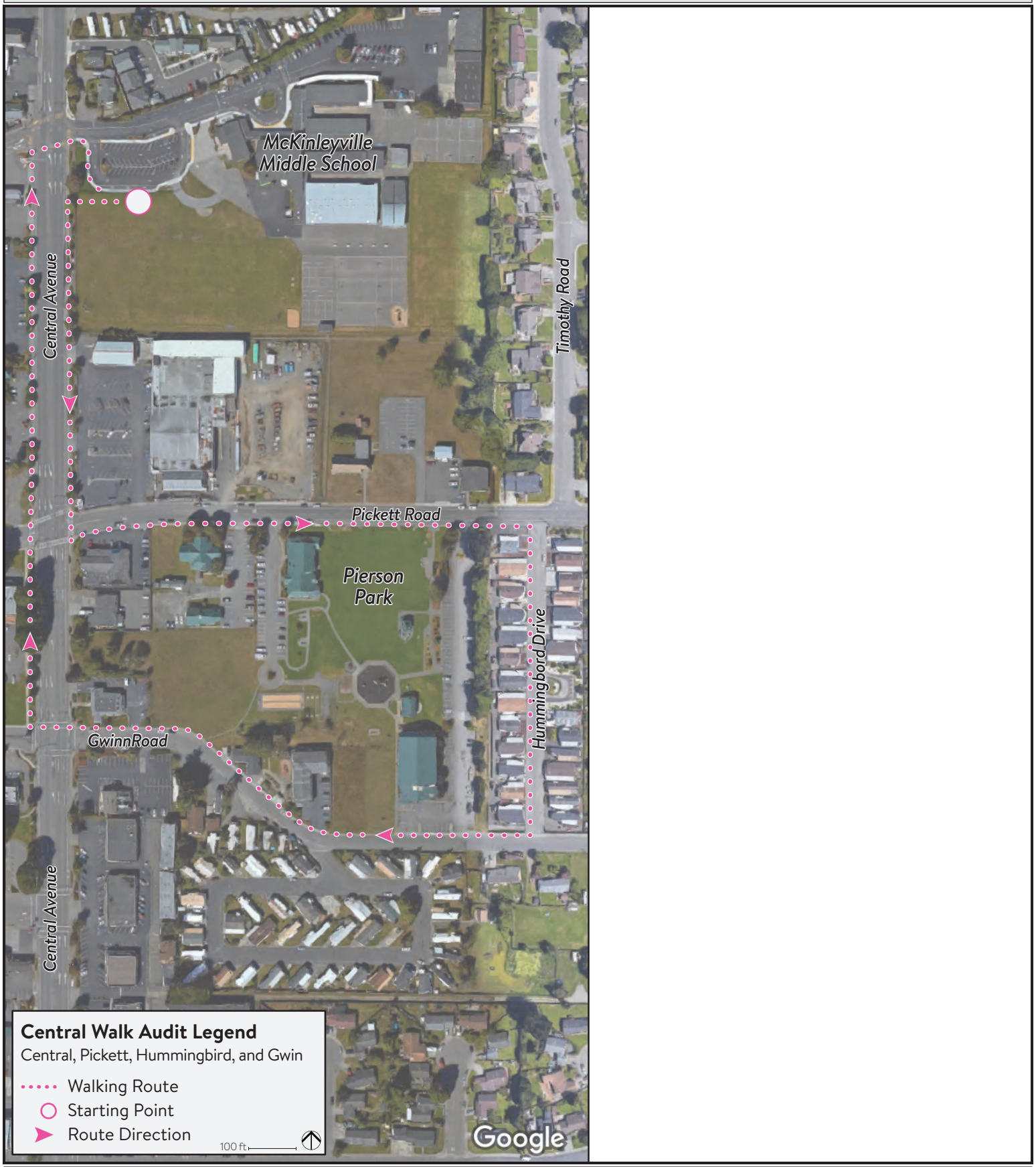

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McKinleyville Multimodal Connections Project

August 23, 2021

Project Partners

- McKinleyville community members
- County of Humboldt
- Caltrans
- McKinleyville Municipal Advisory Committee
- Mark Thomas & Associates
- Redwood Community Action Agency (RCAA)

County of Humboldt – The Home of the Redwoods

Caltrans

MARK THOMAS

redwood communityaction agency

McKinleyville **M**unicipal **A**dvisory **C**ommittee

Today's Agenda

Time	Agenda item
6:00pm – 6:10pm 10 min	**Welcome & Technical Support** •Welcome and introductions •Provide technical support if needed •Icebreaker Polls
6:10pm-6:30pm 20 min	**Project Background** •Overview of meeting agenda, ground rules, and objectives •Project Background •Existing Conditions and Issues
6:30pm-6:45pm 15 min	**Project Priorities** •Virtual engagement through "Mentimeter"
6:45pm-7:10pm 25 min	**Breakout Groups** •Small groups discussion •Small groups record feedback
7:10pm-7:25pm 15 min	**Report Out on Breakout Group Discussions** •Share feedback from breakout groups
7:25pm- **7:30pm**	**Closing** •Share next steps •Project Survey open – take and share! •Thank you!

Conversation Guidelines

- Be respectful
- Speak one at a time
- Share air time
- All ideas and points of view have value
- Stay on the agenda
- Be patient with the technology and each other!

Ice Chest

Just like a “Parking Lot” for ideas that may not fit the current discussion, but we want to keep those ideas fresh “on ice” for County Public Works

Project Goals

- Enhance safety and connectivity for all modes
- Integrate transportation and housing planning efforts
- Create a plan with concept designs
- Develop recommendations with County Public Works for improvements and funding

McKinleyville Middle School Walkability Assessment Outcomes
May 15, 2019

Humboldt County Department of Health and Human Services Public Health Branch & Natural Resources Services Division of Redwood Community Action Agency

Overview:
As part of the Fortuna and McKinleyville Active Transportation Education Program, made possible by an Active Transportation Program grant, a Walkability Assessment was held on Wednesday, May 15, 2019 to observe the peak student departure time at McKinleyville Middle School in McKinleyville, California. The event enabled participants to identify concerns and solutions to safety issues around students walking and bicycling to school. Participants included the district superintendent, school principal, leadership teacher, Humboldt County Sheriff Department, Arcata Fire District, Humboldt County Public Works, Humboldt County Board of Supervisors, Redwood Community Action Agency, Humboldt County DHHS Public Health, Caltrans, McKinleyville Municipal Advisory Committee, Humboldt Independent Practice Association, community members, neighbors, and a student representing the McKinleyville Middle School Leadership Class.

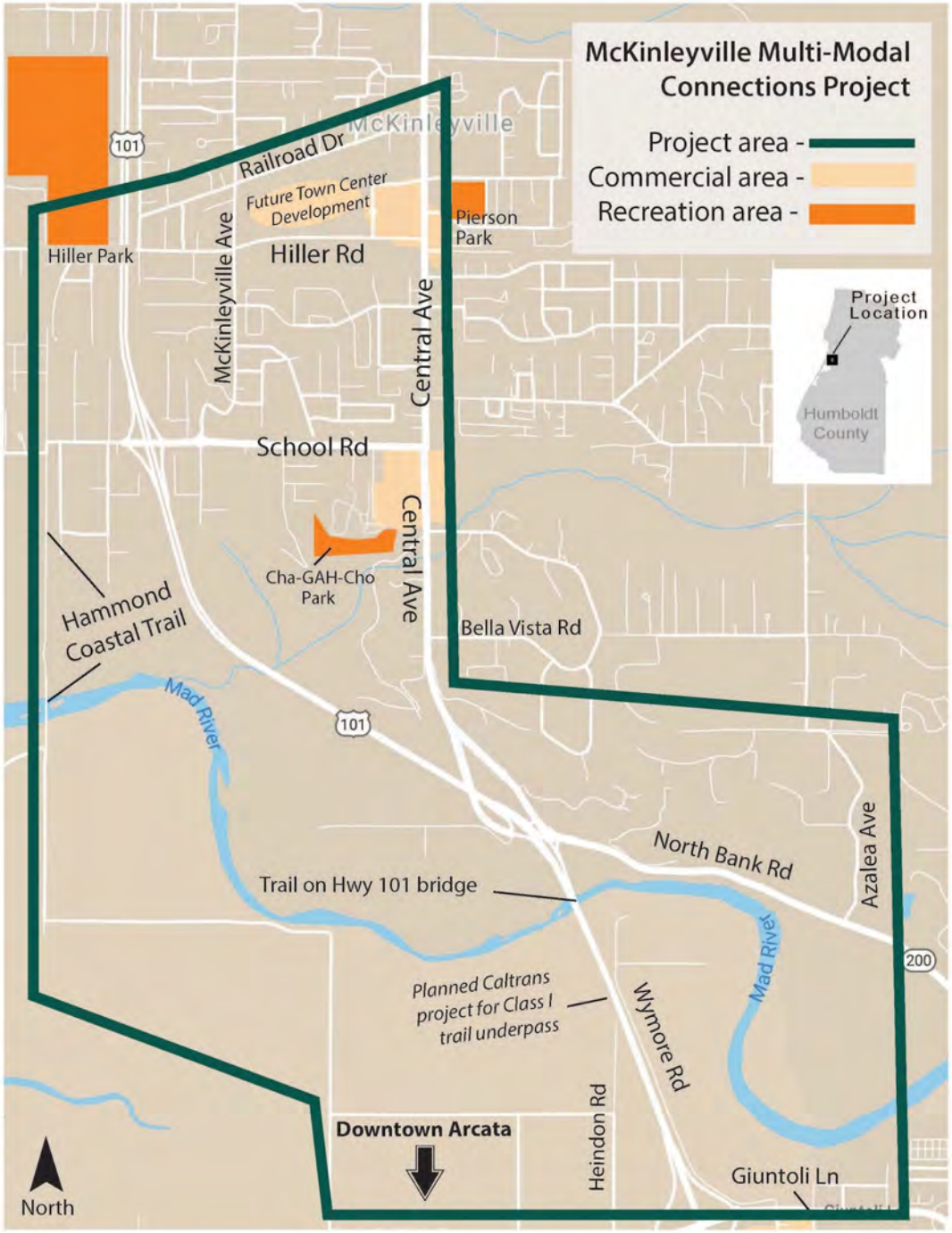
Why are we on this Zoom meeting?

- To understand the goals of the McKinleyville Multimodal Connections Project
- To see and discuss the conditions for walking and biking in McKinleyville and between Arcata and McKinleyville
- To share ideas for both short term and long term improvements to improve safety for all modes of travel
- To understand the next steps and input opportunities for this project
- To share input opportunities with friends and neighbors

-https://humboldtgov.org/2912/McKinleyville-Multimodal-Connections-Pro

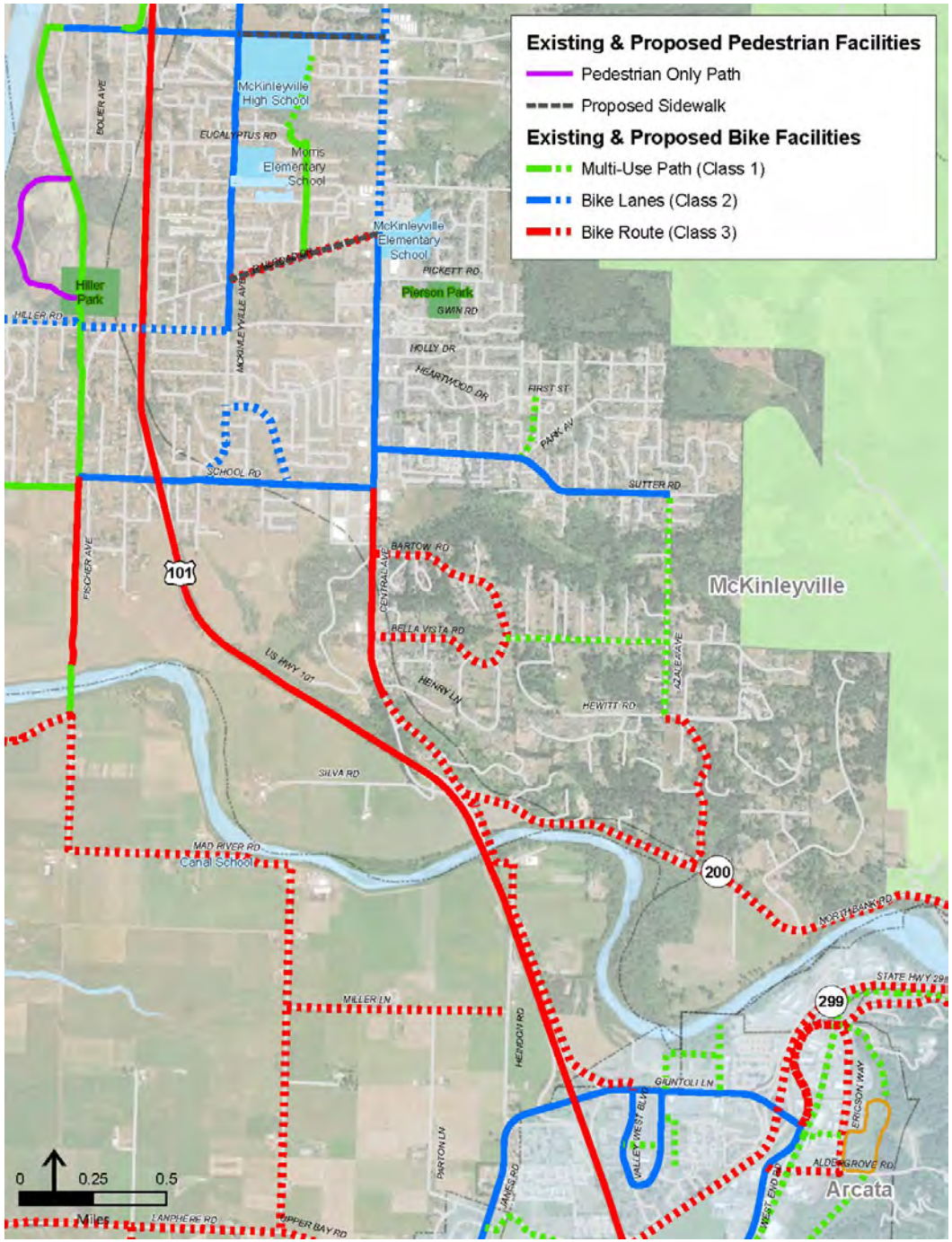
Timeline

- Residents voiced need for walking and biking safety within McKinleyville and between Arcata & McK
- Caltrans Sustainable Communities Grant App
- RCAA/Mark Thomas & Associates hired by County to assist with outreach – *April 2021*
- Project Task Force Developed – *April 2021*
- Community Survey – *Launched August*
- Walking Tours– *Aug 16, 2021*
- Virtual Community Meeting #1 - *Tonight!*
- Review Survey, Walk Tour & Meeting Recommendations – *fall/winter 2021-2022*
- Develop Concept Designs– *fall/winter 2021-2022*
- Temporary Pop-Up Infrastructure Demo – *winter/spring 2022*
- Community Meeting #2 - *winter/spring 2022*
- Finalize Concept Designs – *spring/summer 2022*
- Prepare Final Report –*fall/winter 2022*



Project Area

Focusing on improving multimodal connections within McKinleyville and between McKinleyville and destinations south.

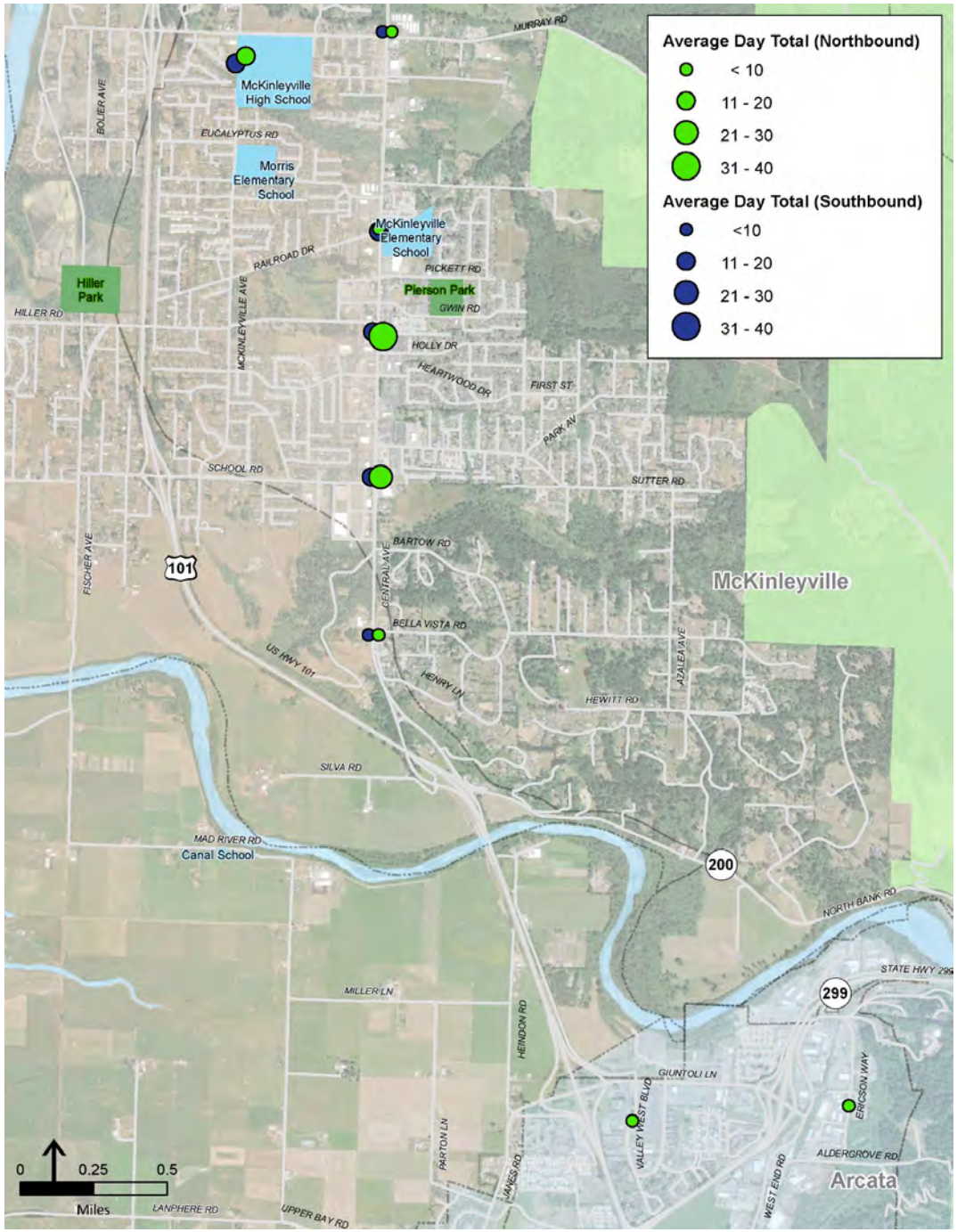


Bikeways Network

Illustration of existing bikeways (solid lines) and planned bikeways (dashed lines)

Crash History

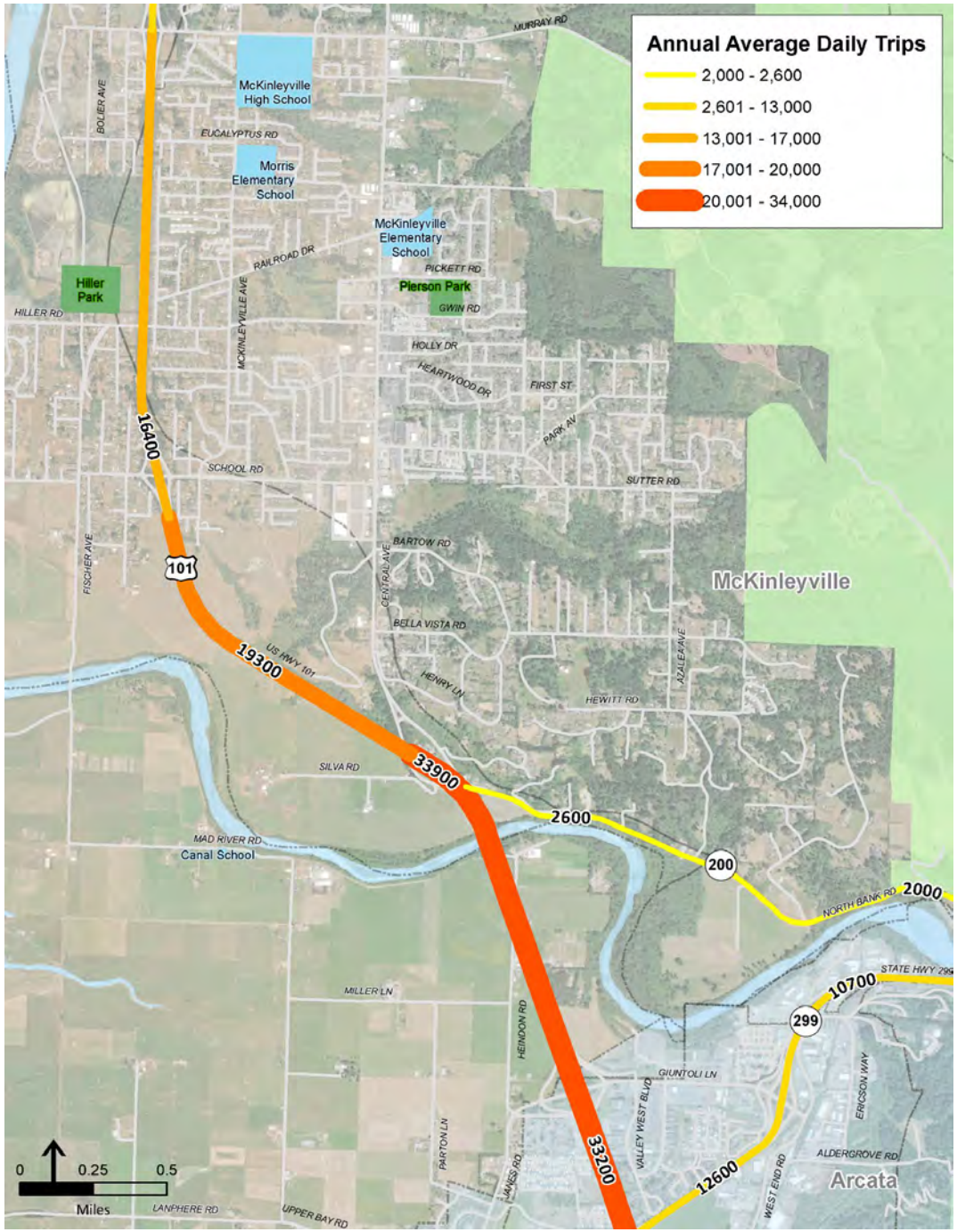
Bicycle & Pedestrian crashes in the area over a 5-year period



Transit Network

Redwood Transit System bus line travels along Central Avenue with spur to serve McKinleyville High School

Average daily bus ridership data is shown

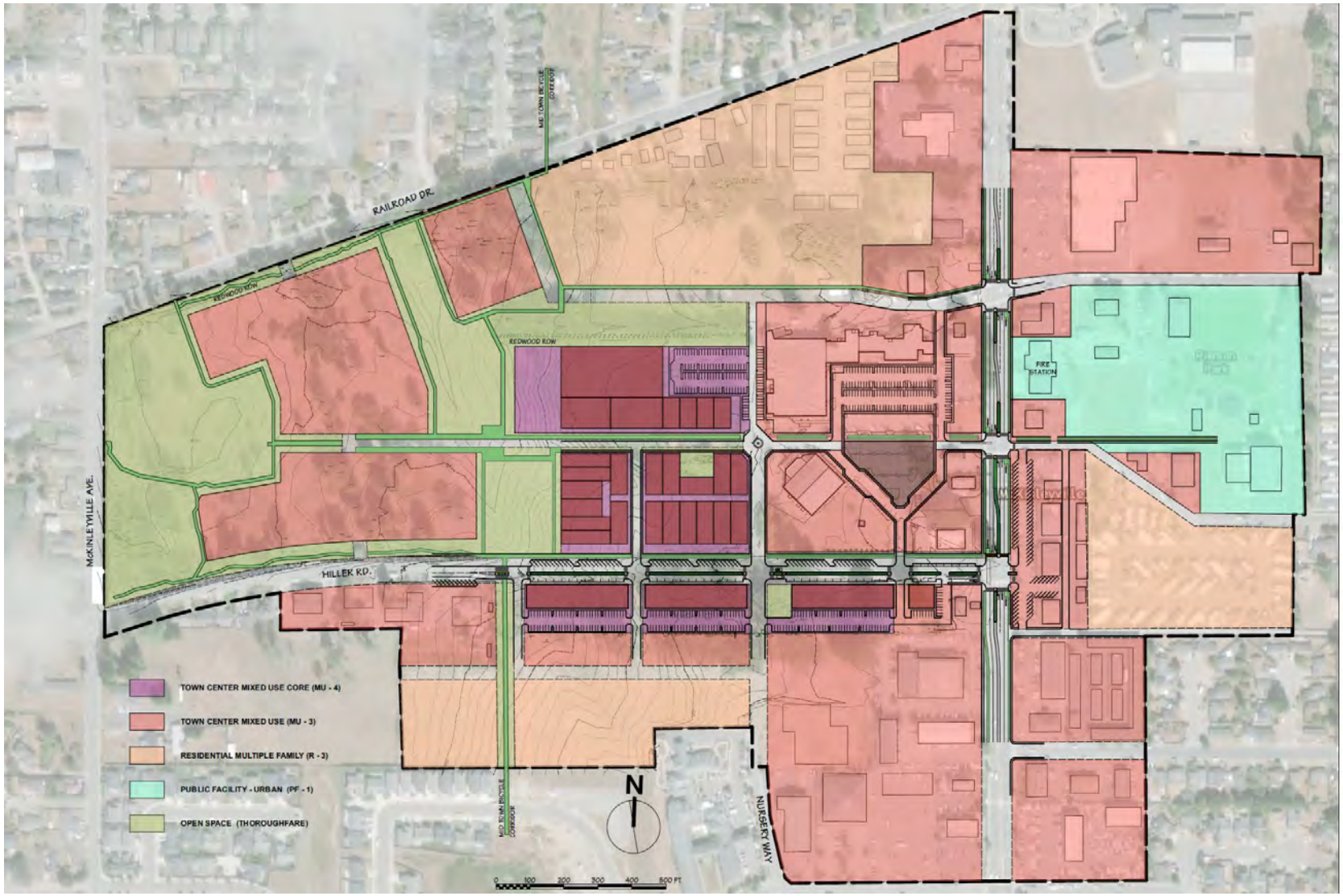


Roadway Network

Vehicle traffic volumes are shown on Highway 101, North Bank, and Route 299

Central Avenue serves McKinleyville with Mad River vehicle crossing limited to Hwy 101

Town Center Project - Concept Plans (By Others)



Town Center Project - Concept Plans (By Others)

Existing Conditions

Arcata to McKinleyville via Wymore

Bike View Wymore Path (videos)

Existing Conditions

Central Avenue/Bella Vista

Bike View Central Ave (video)

Bella Vista (videos)

Existing Conditions

Arcata to McKinleyville via N. Bank Road

N. Bank Road

(videos)

Existing Conditions

Hiller Road

Hiller Road - videos

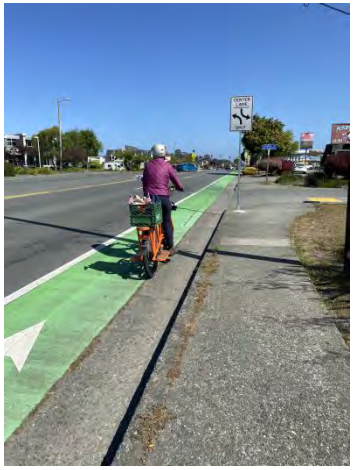
Existing Conditions

School Road

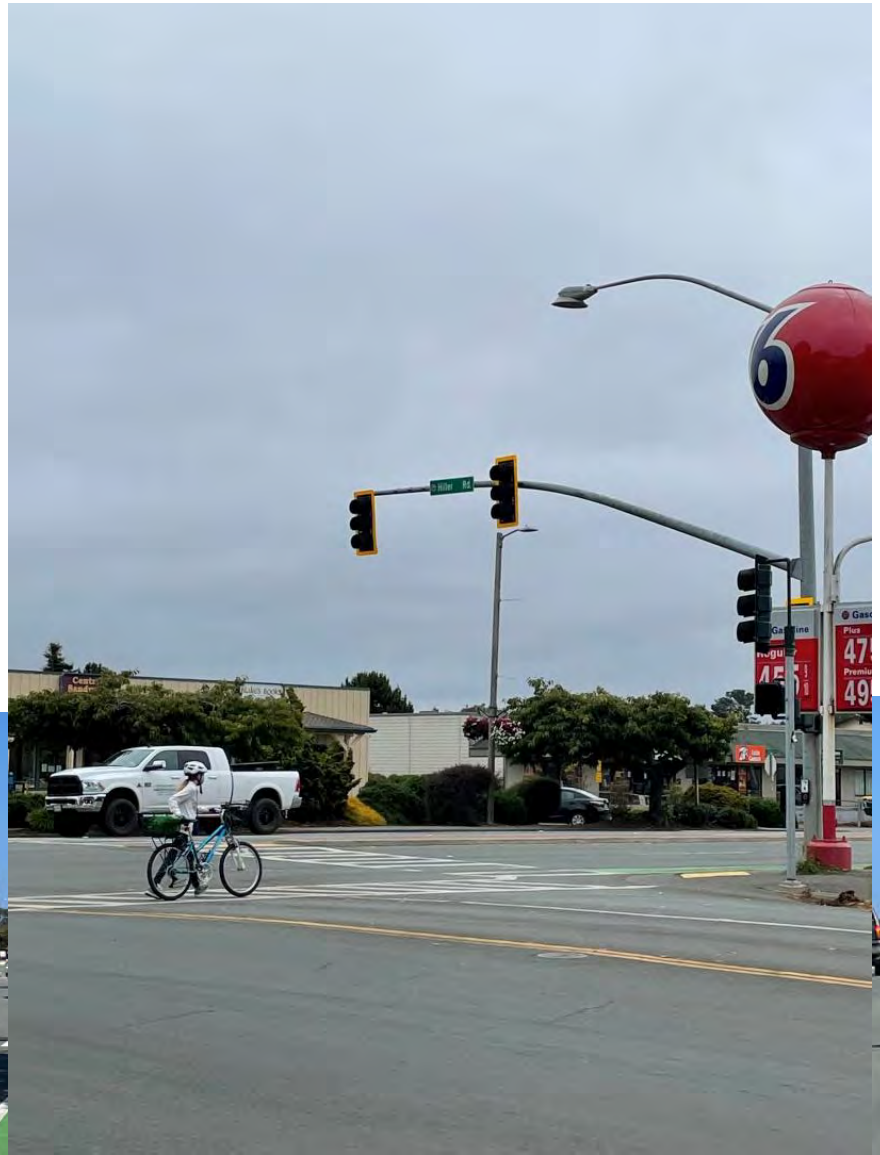
School Road (videos)

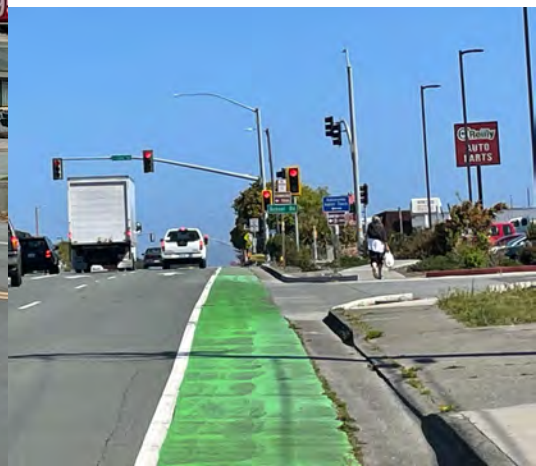
Existing Conditions

Central Avenue



Central Ave (videos)





Project Priorities (polling)

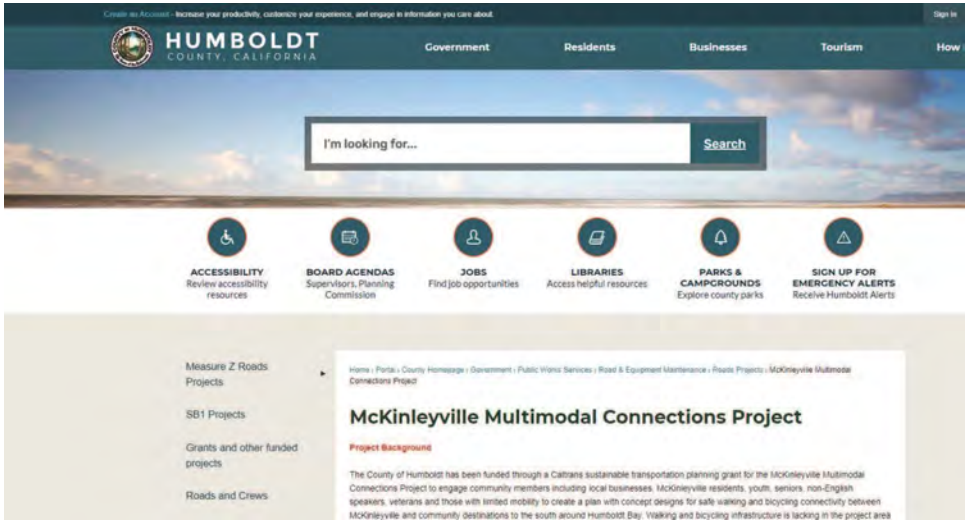
Breakout Groups

- You will be automatically placed in a small breakout group. If not, click the blue button that will appear on your screen to join a breakout group.
- Small groups will:
  1. Consider concerns and priorities shared thus far
  2. Identify opportunities and potential roadway improvements

Input Opportunities

- Complete a survey- return hard copy to MCSD or MFRC
- Complete survey online at https://www.surveymonkey.com/r/McKMultimodal (English)

  https://www.surveymonkey.com/r/McKEncuesta (Spanish)
- Visit the project website to subscribe for updates https://bit.ly/mckmultimodalproj



Next Steps

- Input from today's workshop will help the project team complete concept designs
- Share survey and website with friends and neighbors - https://www.surveymonkey.com/r/McKMultimodal (English)
- https://www.surveymonkey.com/r/McKEncuesta (Spanish)
- Develop Draft Concept Designs– *fall/winter 2021-2022*
- Temporary Pop-Up Infrastructure Demo – *winter/spring 2022*
- Community Meeting #2 and additional public input opportunities - *winter/spring 2022*
- Finalize Concept Designs – *spring/summer 2022*
- Prepare Final Report –*fall/winter 2022*

Thank you!

Jenny Weiss, RCAA
weiss@nrsrcaa.org
707-269-2062

- Please stay involved with the project!
- Sign up on the website for project updates
  https://humboldtgov.org/2912/McKinleyville-Multimodal-Connections-Pro
- Spread the word

McKinleyville Municipal Advisory Committee

McKinleyville Multimodal Connections Project

Project Task Force Meeting #2

November 8, 2021
1:30 – 3:30 p.m.

COUNTY OF HUMBOLDT
The Home of the Redwoods

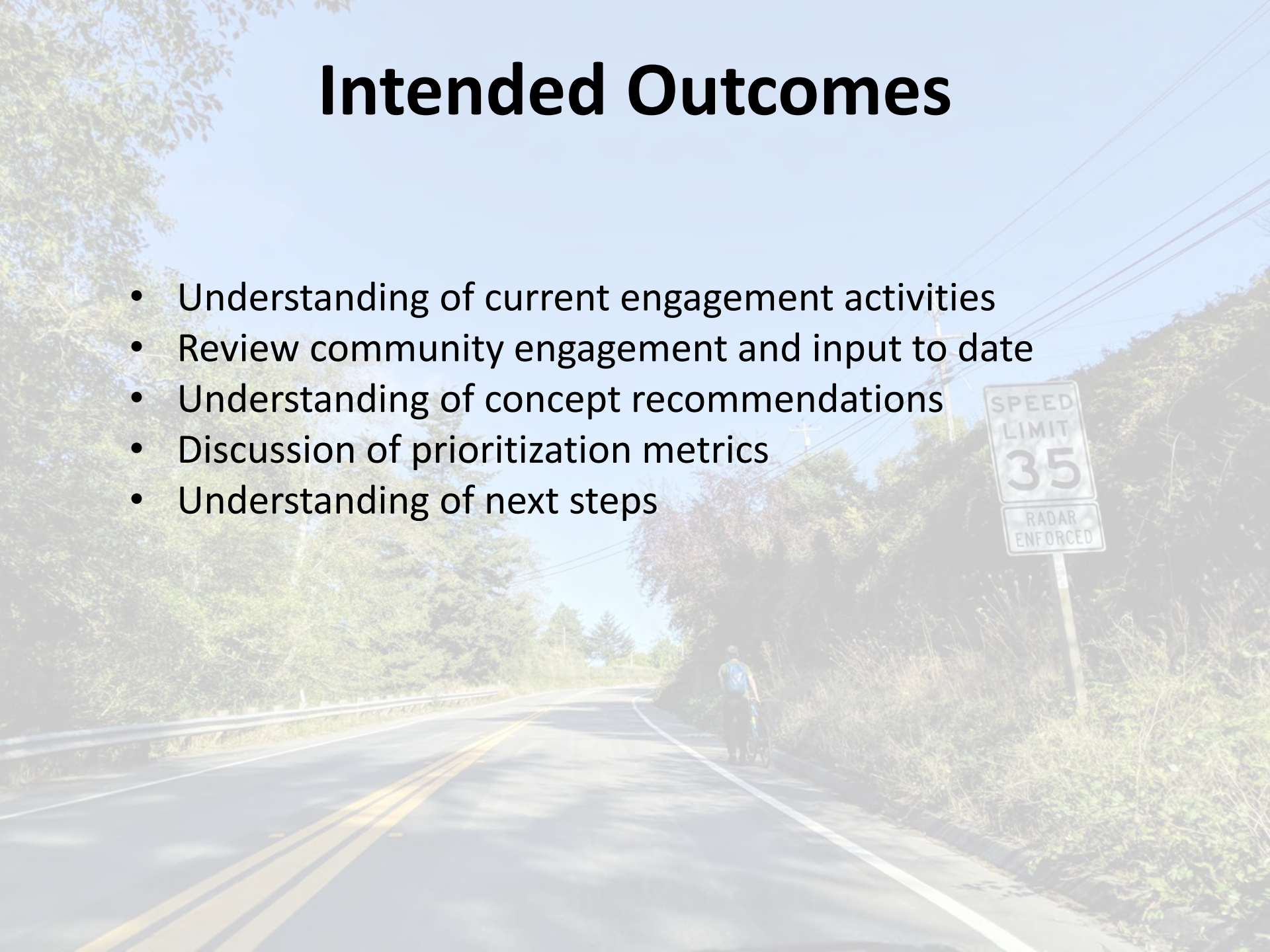
MARK THOMAS

Caltrans

redwood
communityaction
agency

Intended Outcomes

- Understanding of current engagement activities
- Review community engagement and input to date
- Understanding of concept recommendations
- Discussion of prioritization metrics
- Understanding of next steps



Today's Agenda

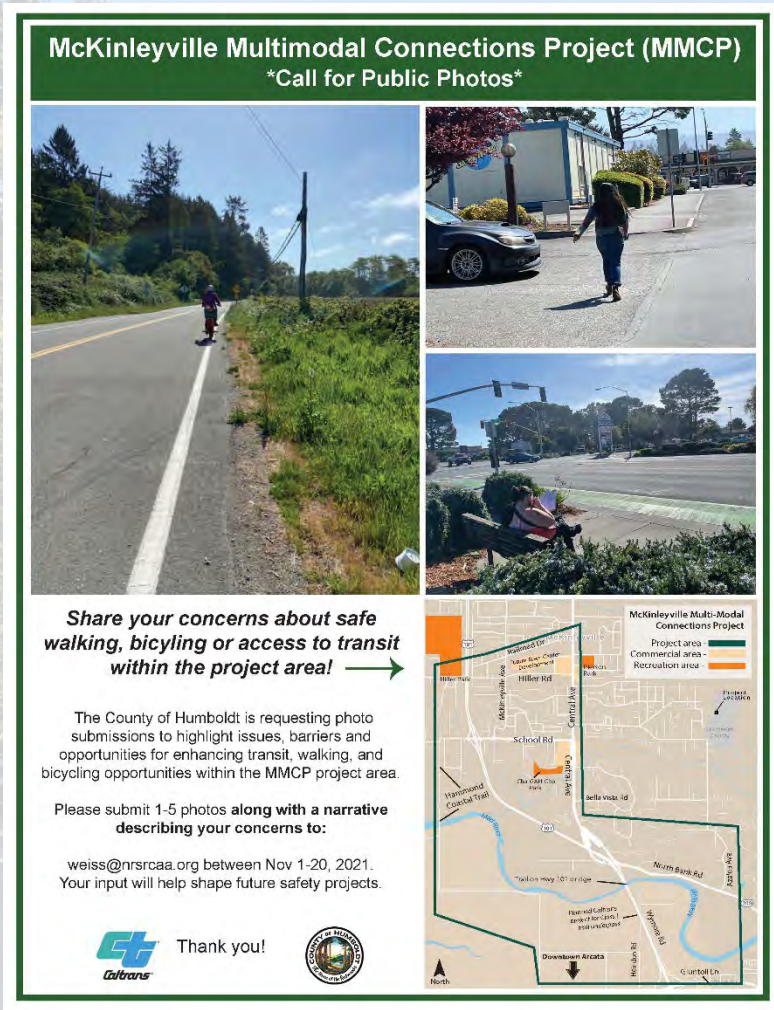
1:30 – 1:40 p.m.	Welcome & Introductions
1:40 – 1:50 p.m.	Current Engagement Activities
1:50 – 2:05 p.m.	Review Engagement and Input to date
2:05 – 2:25 p.m.	Conceptual Recommendations
2:25 – 2:40 p.m.	Discussion on Prioritization Metrics
2:40 – 2:55 p.m.	Second Round of Engagement Activities
2:55 – 3:00 p.m.	Next Steps/Adjourn

Introductions

Please briefly introduce yourself and your agency/affiliation

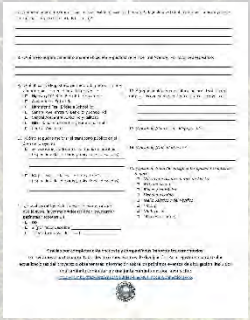
Current Engagement Activities:

Call for Photos Nov. 1 – 20, 2021



Engagement to Date

- **Walking Tours –** Aug 2021
- **Community Meeting #1 –** Aug 2021
- **Survey –** Closed end of Sept 2021



Walking Tours

- ✓ Central Ave.
- ✓ Hiller Rd.
- ✓ Wymore Rd.

Central Ave. Walk

Central Ave. Walk Observations


AZALEA HALL
& SENIOR CENTER

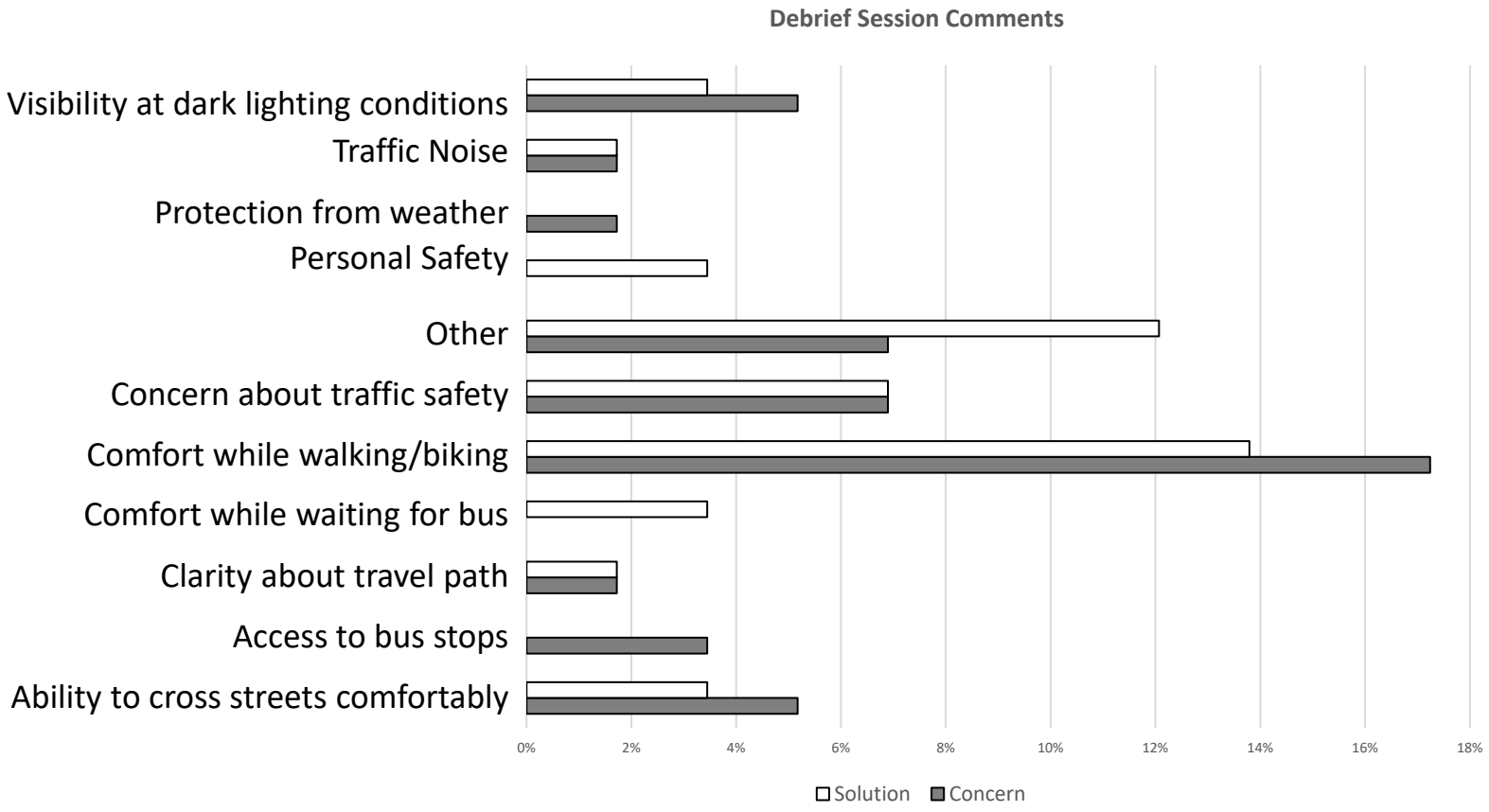
Hiller Ave. Walk

Hiller Ave.

Wymore Rd. to N. Bank Rd. Walk

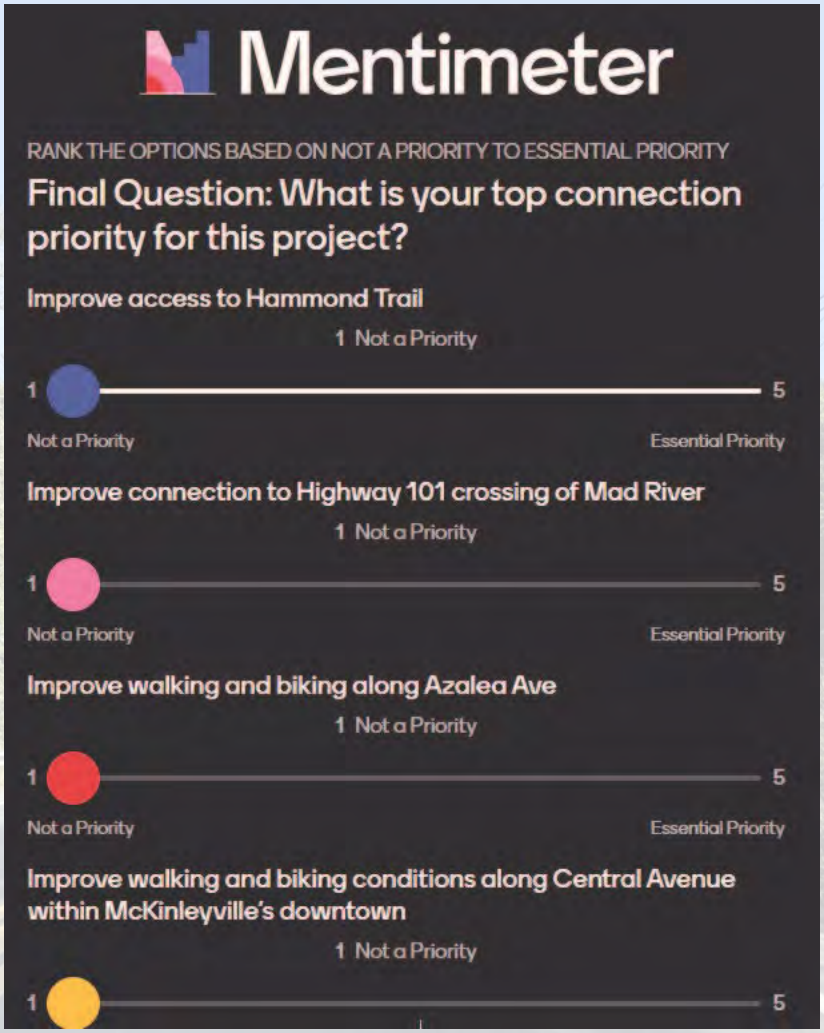
Wymore Rd. to N. Bank Rd.

Debrief Session



Community Workshop

Workshop Polls



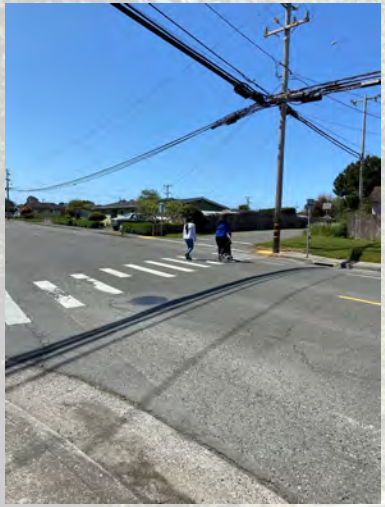
1. What is your top mode priority improvement in McKinleyville?

Cycling & Rolling

Walking & Mobility Devices

Access to Transit

2. While walking or biking, what concerns do you have?



Ability to cross streets comfortably

Separation from motor traffic

Concern about traffic safety

Comfort while walking or bicycling

Visibility at dark lighting conditions

Personal safety related to criminal activity

Access to transit

Clarity about travel path

Comfort while waiting for the bus

Protection from inclement weather

Traffic noise

3. While walking or biking, what other concerns do you have?

Bus stops need an overhang to protect from rain.

Would like to see traffic calming via roundabouts and such as well as road diets on Central.

Bike lanes should ideally have a physical barrier (even if it's not continuous like bollards) to separate them from traffic. Thanks.

Cars pulling in and out of driveways on Central are like intersections in terms of safety, lack of visibility, etc.

Access to water fountains, restrooms along trails

Driving speed limits are too high. Project area is too car-oriented, all the way to commercial businesses being built for car access, not safer ped access.

Speed of traffic
Distracted driving
Aggressive driving

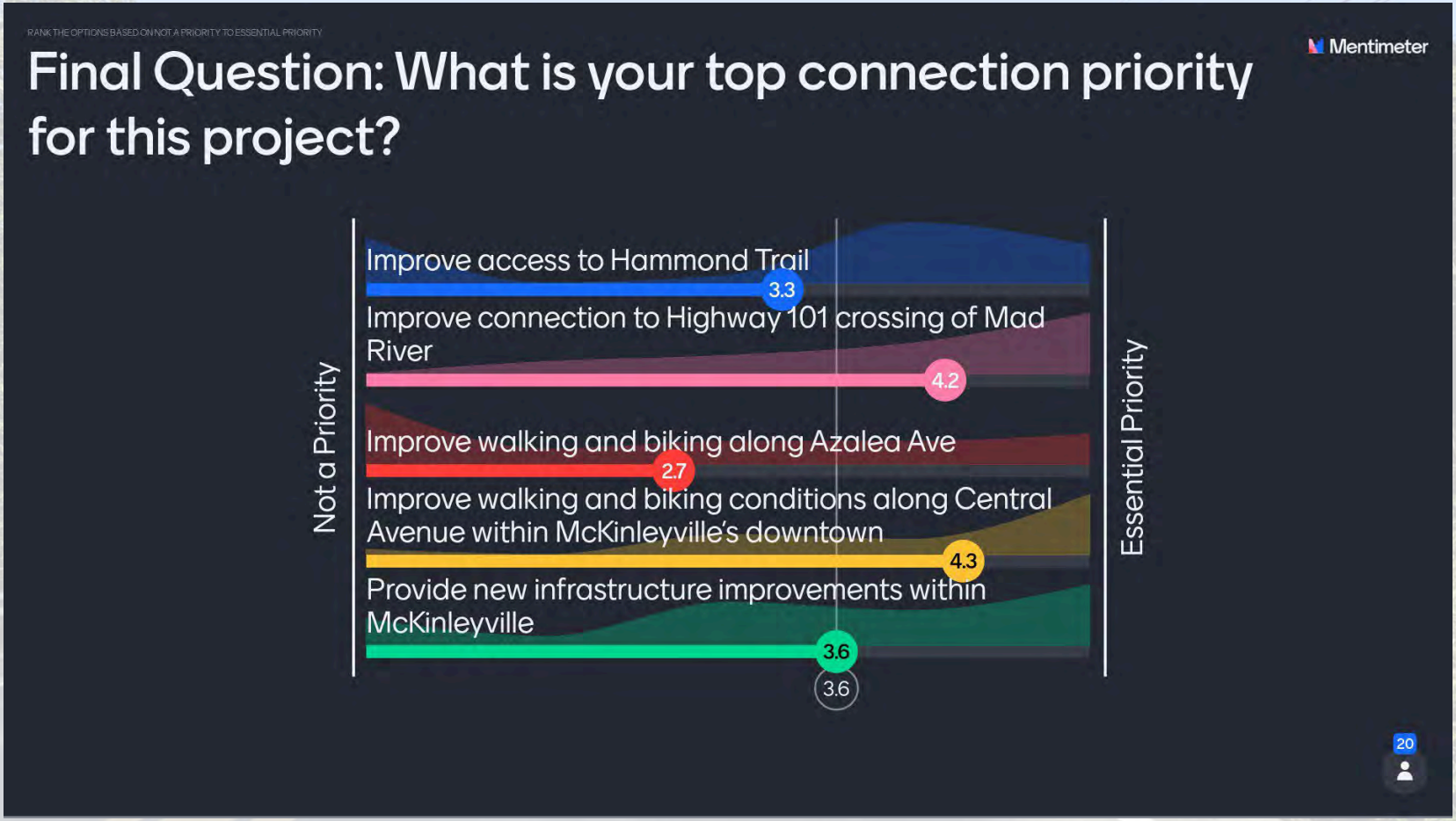
Prioritize practical, more immediate solutions (i.e. mowing and widening shoulders on Central at Bella Vista)

We need to be able to encourage bicycling at all levels but it needs to be safe to do so. We shouldn't have to be brave to bike.

Get people to drive less and do more active transportation for shorter trips.

Fast cars!

4. What is your top connection priority for this project?



Surveys

McKinleyville Multimodal Connection Project
Community Outreach Survey

Humboldt County Public Works has received grant funding from Caltrans to conduct outreach and create a community plan for improved walking and bicycling connectivity between McKinleyville and community destinations surrounding Humboldt Bay.

The project area, outlined in the graphic to the right, includes the proposed Town Center mixed-use development and connections to Mad River crossings to Arcata. Please share your thoughts to help focus walking and bicycling improvements in the project area by taking this short survey.

1. How often do you walk, bicycle, skate, or use a mobility device within the project area?
   - ☐ Daily
   - ☐ Several times a week
   - ☐ Several times per month
   - ☐ Rarely
   - ☐ Never

2. What modes of transportation do you currently use when traveling in the project area?
   - ☐ Motor Vehicle (car, truck, etc.)
   - ☐ Public transportation (transit bus)
   - ☐ Walking
   - ☐ Bicycling
   - ☐ Mobility device (wheelchair or other)
   - ☐ Carpool or Rideshare app (Lyft, Uber)

3. Why do you/your family travel within the project area?
   - ☐ I live in the area
   - ☐ For work
   - ☐ For school
   - ☐ For shopping and errands
   - ☐ For recreation
   - ☐ For my K-12 child(ren)'s school

4. Please mark all concerns you have around walking or bicycling within the project area
   - ☐ Not enough separation from motor vehicles
   - ☐ Missing sidewalks or bicycle lanes
   - ☐ Lack of ADA/accessible facilities
   - ☐ Poor road conditions
   - ☐ Motor vehicle speeds are too high
   - ☐ Poor visibility
   - ☐ Other(please specify) _____

5. How often would you walk or bicycle if improvements were made for walking and bicycling to and from McKinleyville from the south?
   - ☐ Daily
   - ☐ Several times a week
   - ☐ Several times per month
   - ☐ Rarely
   - ☐ Never

6. If improvements were made for walking and bicycling in the project area, please mark the activities you would walk or bicycle for:
   - ☐ Traveling within my neighborhood
   - ☐ For fun, exercise, and/or recreation
   - ☐ Taking my child(ren) to school.
   - ☐ Commuting to and/or from work
   - ☐ Accessing recreational facilities, public parks, and/or open spaces
   - ☐ Running errands and/or shopping
   - ☐ Other (please specify)

_____

_____

Continued on next page

Proyecto de Conexiones Multimodal en McKinleyville
Encuesta Comunitario

El Condado de Humboldt ha recibido fondos de Caltrans para hablar con todos en la comunidad y crear un plan comunitario para mejorar la conectividad para caminar y andar en bicicleta entre McKinleyville y a los destinos comunitarios que rodean la bahía de Humboldt.

El área del proyecto, delineada en el gráfico a la derecha, incluye la propuesta de uso mixto Town Center y las conexiones a los cruces de Mad River a Arcata. Comparta sus pensamientos para ayudar a mejorar caminar y andar en bicicleta en el área del proyecto al completar esta breve encuesta.

1. ¿Con qué frecuencia caminas, andas en bicicleta, patines o usas un dispositivo de movilidad dentro del área del proyecto?
   - ☐ Diario
   - ☐ Varias veces a la semana
   - ☐ Varias veces al mes
   - ☐ Casi nunca
   - ☐ Nunca

2. ¿Qué medios de transporte utiliza cuando viaja en el área del proyecto?
   - ☐ Vehículo de motor (automóvil, camión, etc.)
   - ☐ Transporte público (autobús de tránsito)
   - ☐ Caminando
   - ☐ En una bicicleta
   - ☐ Dispositivo de movilidad (silla de ruedas o otro)
   - ☐ Viaje compartido o app de viaje compartido (Lyft)

3. ¿Por qué viaja usted o su familia dentro del área del proyecto?
   - ☐ Yo vivo en el área
   - ☐ Para el trabajo
   - ☐ Para la escuela
   - ☐ Para compras y mandados
   - ☐ Para recreación
   - ☐ Para la escuela de mi(s) hijo(s) en K-12

4. Marque todas las preocupaciones que tenga sobre caminar o andar en bicicleta dentro del área del proyecto
   - ☐ No hay suficiente separación de los vehículos
   - ☐ Falta de banquetas o carriles para bicicletas
   - ☐ Falta de ADA / instalaciones accesibles
   - ☐ Malas condiciones de la carretera
   - ☐ Las velocidades de los vehículos son demasiado altas
   - ☐ Pobre visibilidad
   - ☐ Otra razón (especifique)_____

5. ¿Con qué frecuencia caminarías o andarías en bicicleta si mejorarían las calles para caminar y andar en bicicleta hacia y desde McKinleyville desde el sur?
   - ☐ Diario
   - ☐ Varias veces a la semana
   - ☐ Varias veces al mes
   - ☐ Casi nunca
   - ☐ Nunca

6. Si se realizaran mejoras para caminar y andar en bicicleta en el área del proyecto, marque las actividades para las que caminaría o andaría en bicicleta.:
   - ☐ Viajando dentro de mi vecindario
   - ☐ Para divertirme, hacer ejercicio y/o recreación
   - ☐ Llevar a mi (s) hijo (s) a la escuela.
   - ☐ Viajar hacia y/o desde al trabajo
   - ☐ A llegar a instalaciones recreativas, parques públicos y / o espacios abiertos
   - ☐ Para compras y mandados
   - ☐ Otra razón (especifique)

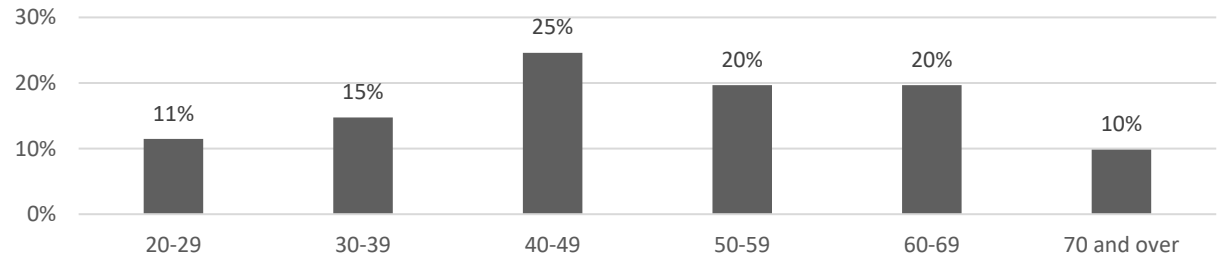
_____

_____

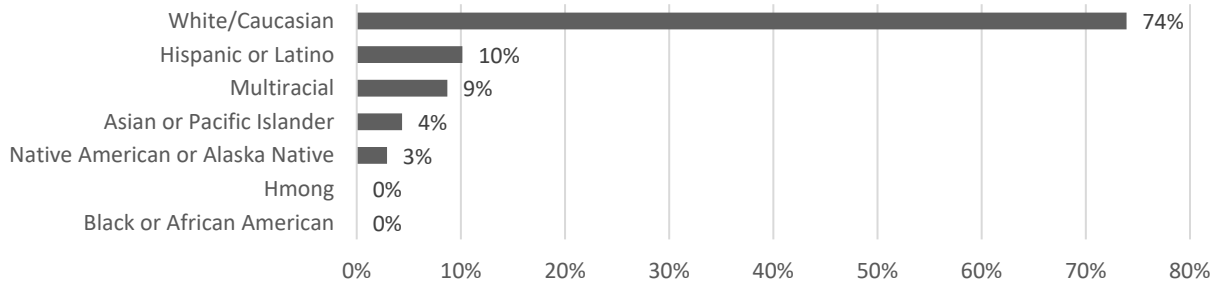
Continúa en la siguiente página

Surveys

Age of survey participants



Race of survey participants



Outreach Targets

< 20:	22.37%
20-34:	31.41%
35-54:	20.51%
55-64:	11.67%
65+:	14.03%

White/Caucasian:	73.50%
Hispanic or Latino:	11.87%
Black or African Amer:	0.78%
Asian:	4.00%
Pacific Islander:	0.65%
Native American or Alaska Native:	3.36%

Survey Input

How often do you walk, bicycle, skate, or use a mobility device within the project area?

Daily: 36%
Several times/wk: 23%
Several times/month: 20%
Rarely: 11%
Never: 2%

Survey Input

What modes of transportation do you currently use when traveling in the project area?

Motor vehicle: 85%
Walking: 69%
Biking: 68%
Public Transit: 17%
Carpool/Rideshare: 1%
Mobility Device: 0%

Survey Input

Why do you/your family travel within the project area?

Recreation: 75%
Shopping/errands: 69%
Live in the area: 58%
Work: 31%
School: 8%
Child/ren's school (K-12): 5%

Survey Input

Please mark all concerns you have around walking or bicycling within the project area

Missing sidewalks/bike lanes: 83%
Separation from motor vehicles: 75%
High motor vehicle speeds: 52%
Poor road conditions: 43%
Poor visibility: 31%
Lack of ADA facilities: 17%

Survey Input

How often would you walk or bicycle if improvements were made for walking and bicycling to and from McKinleyville from the south?

Daily: 35%
Several times/wk: 32%
Several times/mth: 20%
Rarely: 11%
Never: 2%

Survey Input

If improvements were made for walking and bicycling in the project area, please mark the activities you would walk or bicycle for:

Fun/exercise/recreation: 92%
Access to parks/open space: 76%
Shopping/errands: 73%
Travel within my neighborhood: 49%
Commute to/from work: 32%
Taking child/ren to school: 11%

Survey Input

Which location would you most like to see improved for walking and bicycling in the project area?

Hwy 101/North Bank Rd: 19%
Hiller Rd (btwn Central & HT): 14%
Central Ave (btwn N Bank & School): 14%
Central Ave (other): 13%
HT Bridge to School Rd: 11%
Azalea to Sutter: 11%
Central (btwn School & Railroad): 7%

Open-Ended Questions

How can access to Pierson Park be improved?

Dedicated walking/biking paths, improving Central Ave. infrastructure, slow vehicle speeds on Central, construct sidewalks on Gwin, Pickett, Central and/or Hiller, crossing enhancements, signage and developing alternative routes along neighborhood streets

What walking/biking improvements would you like to see on Central Ave?

Bike and ped improvements, separated/protected paths, reduce vehicle exposure, speeds and volumes, extend facilities north

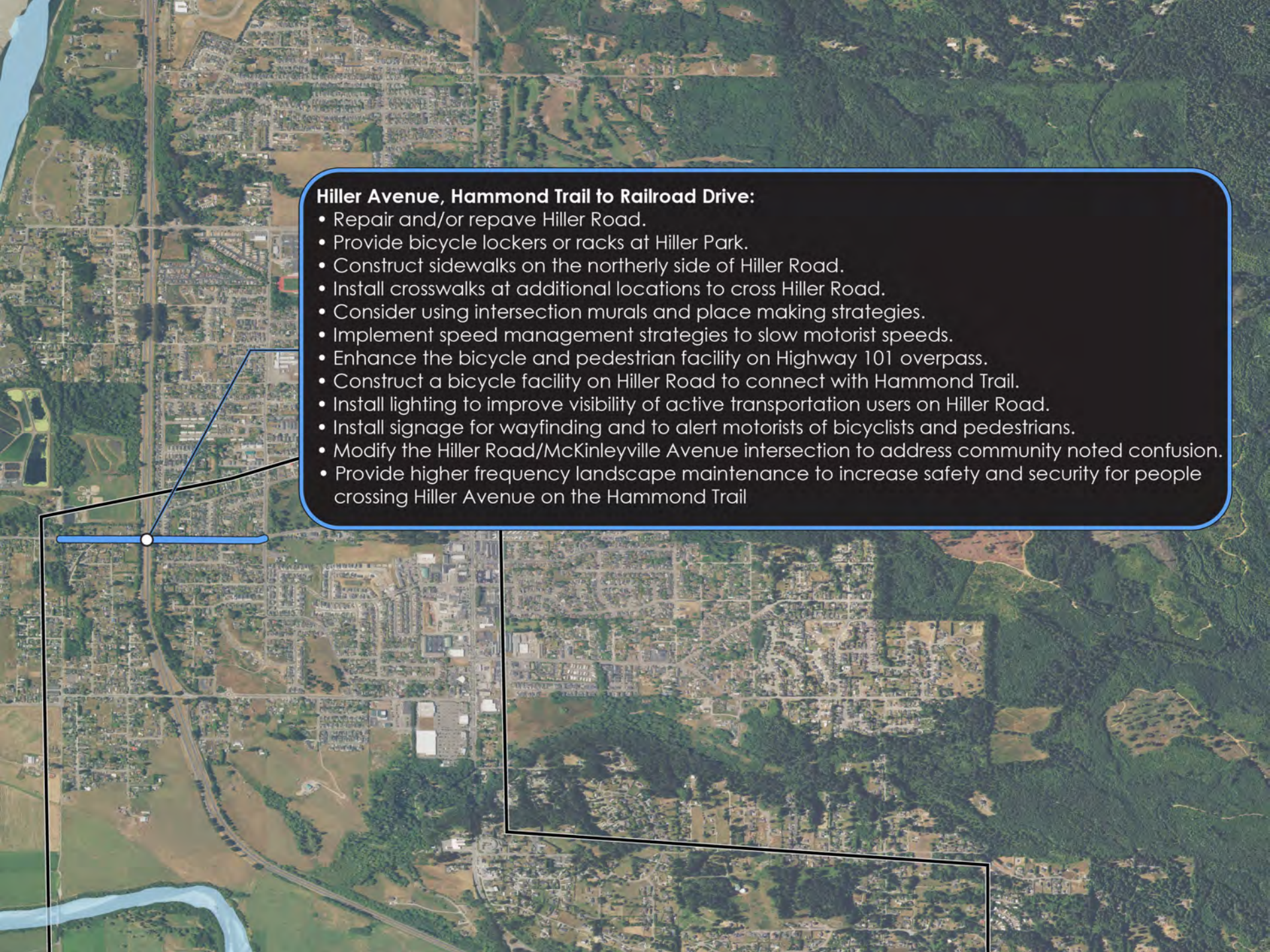
How can access to transit be improved?

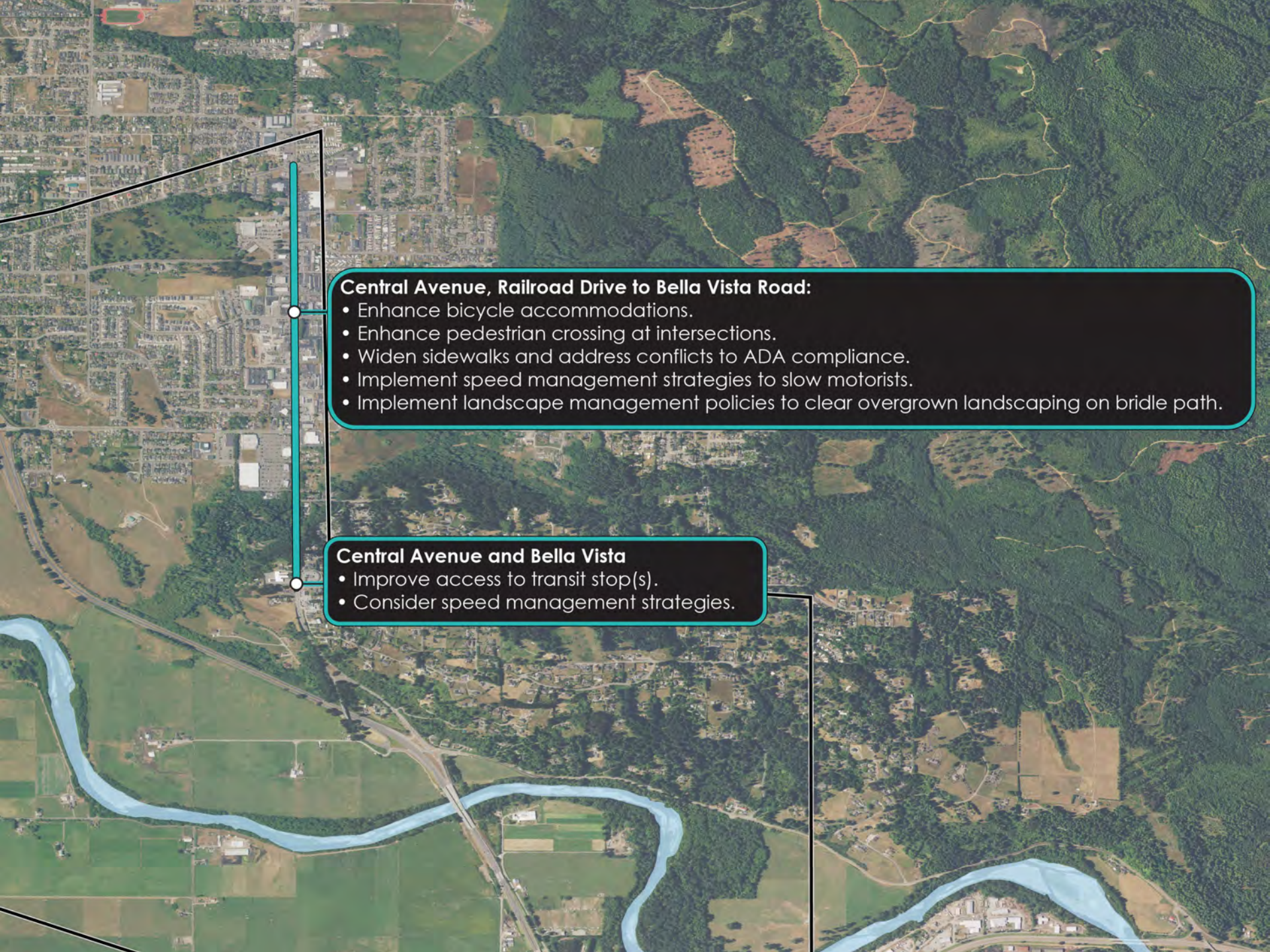
Shelters, cleanliness, bike storage, seating/benches, larger waiting areas, lighting, vehicle turnout bays, more stops, more routes, ped and bike safety

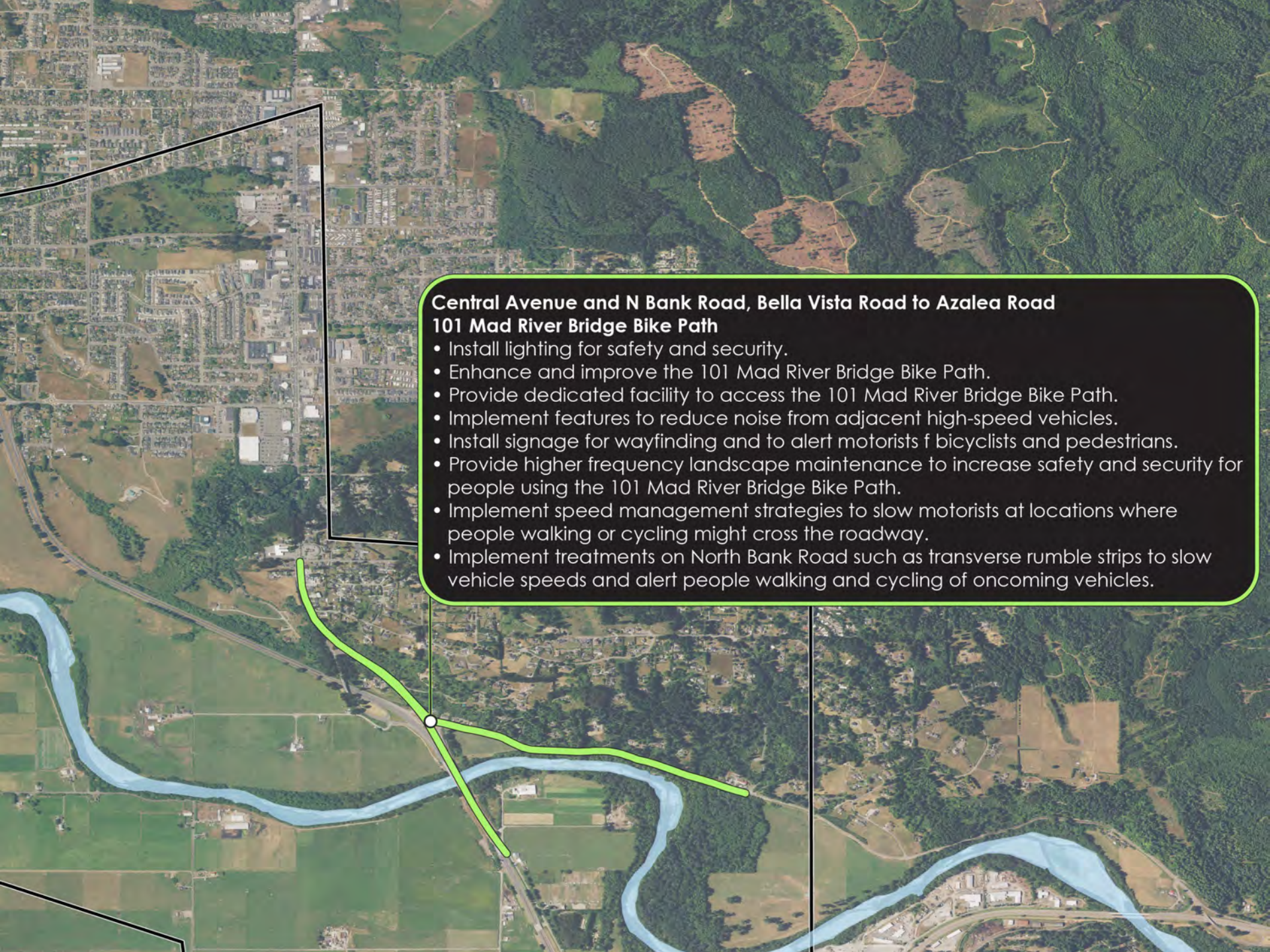
Are We Missing Anything?

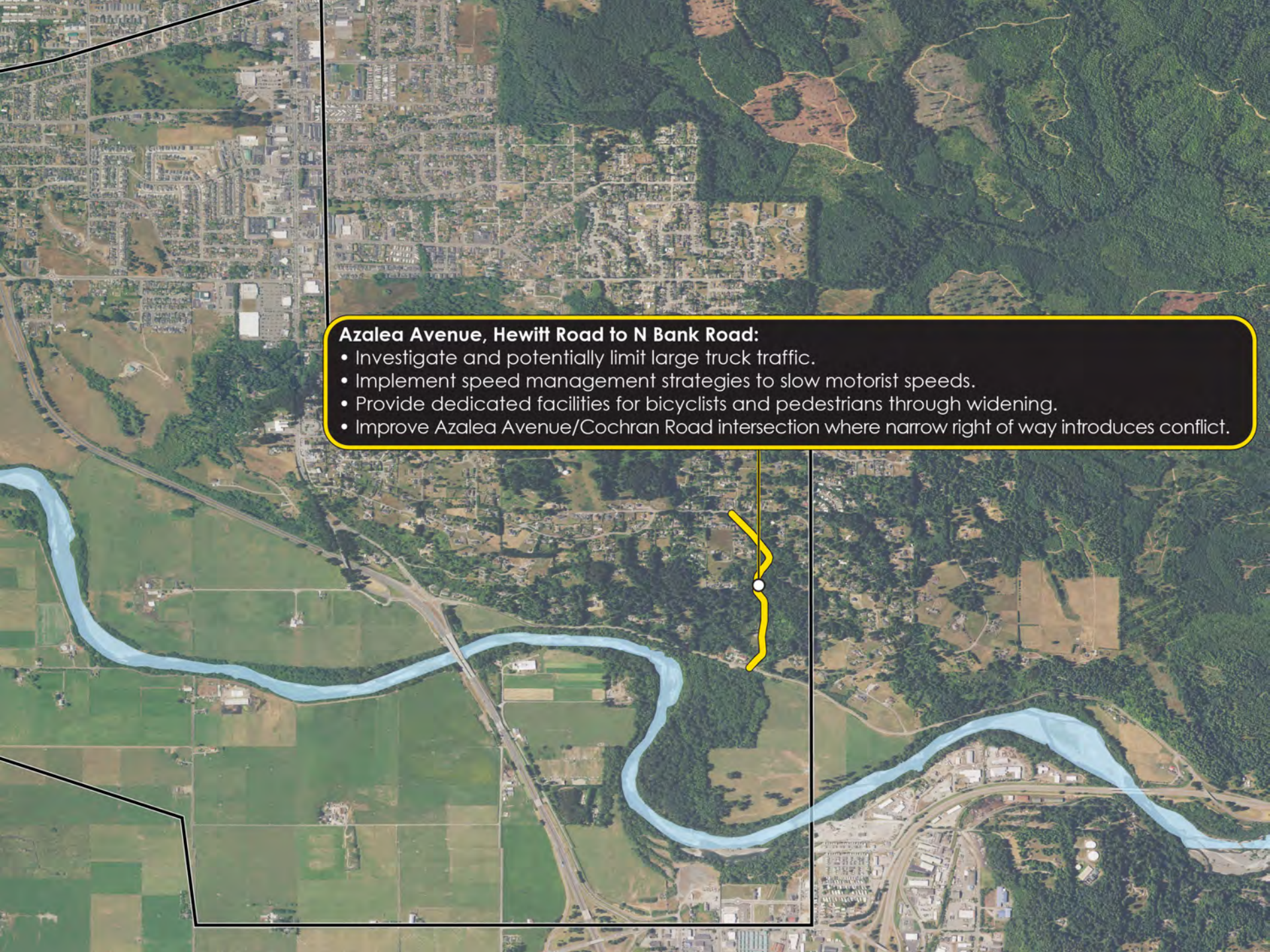
Conceptual Recommendations:

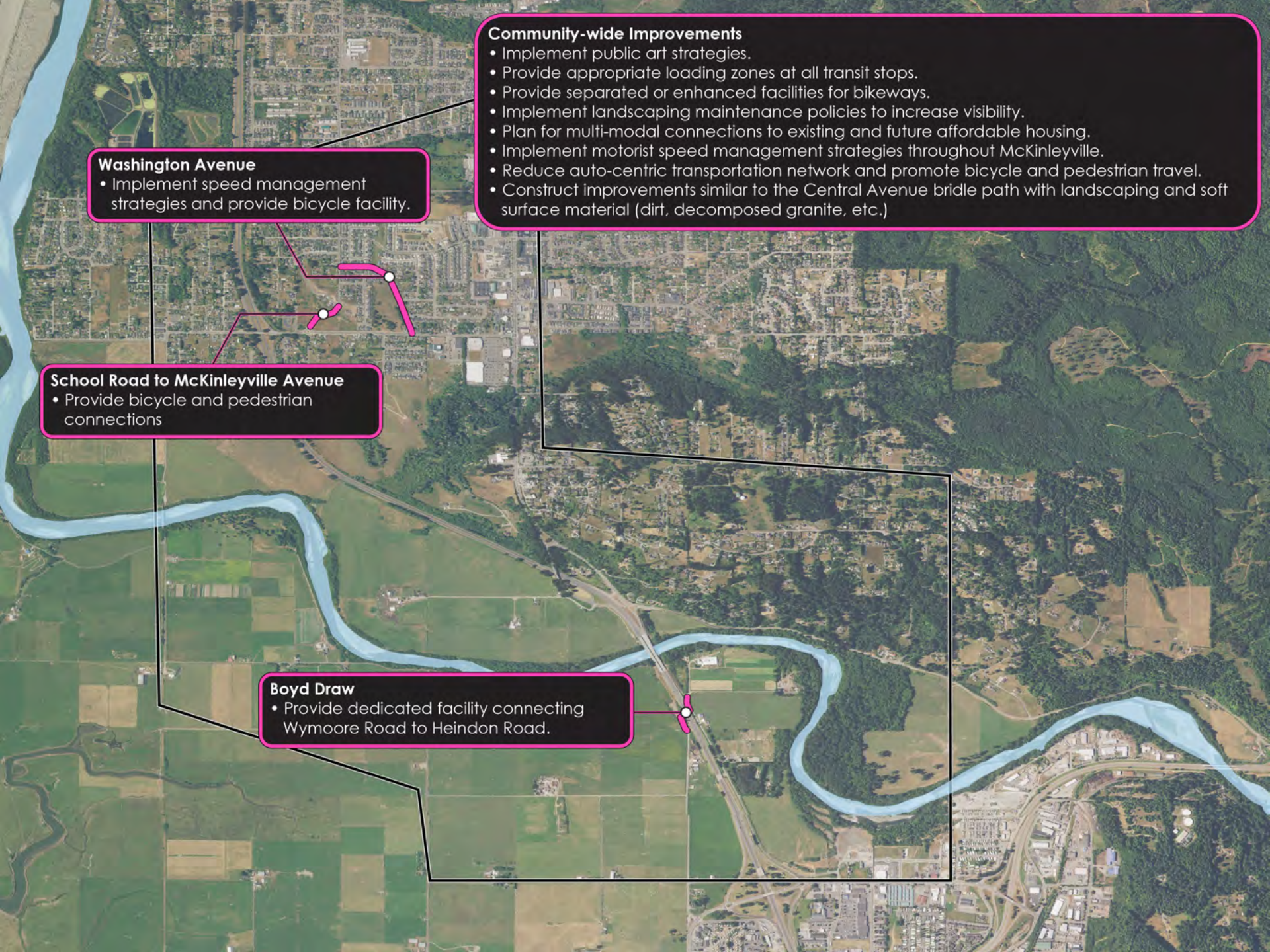

Mad River
Morris Elementary School
McKinleyville Elementary School
Project Area
Hiller Park
Hiller Rd
Pierson Park
Central Ave
Mad River 101 X-ing
Azalea Ave
Canal School

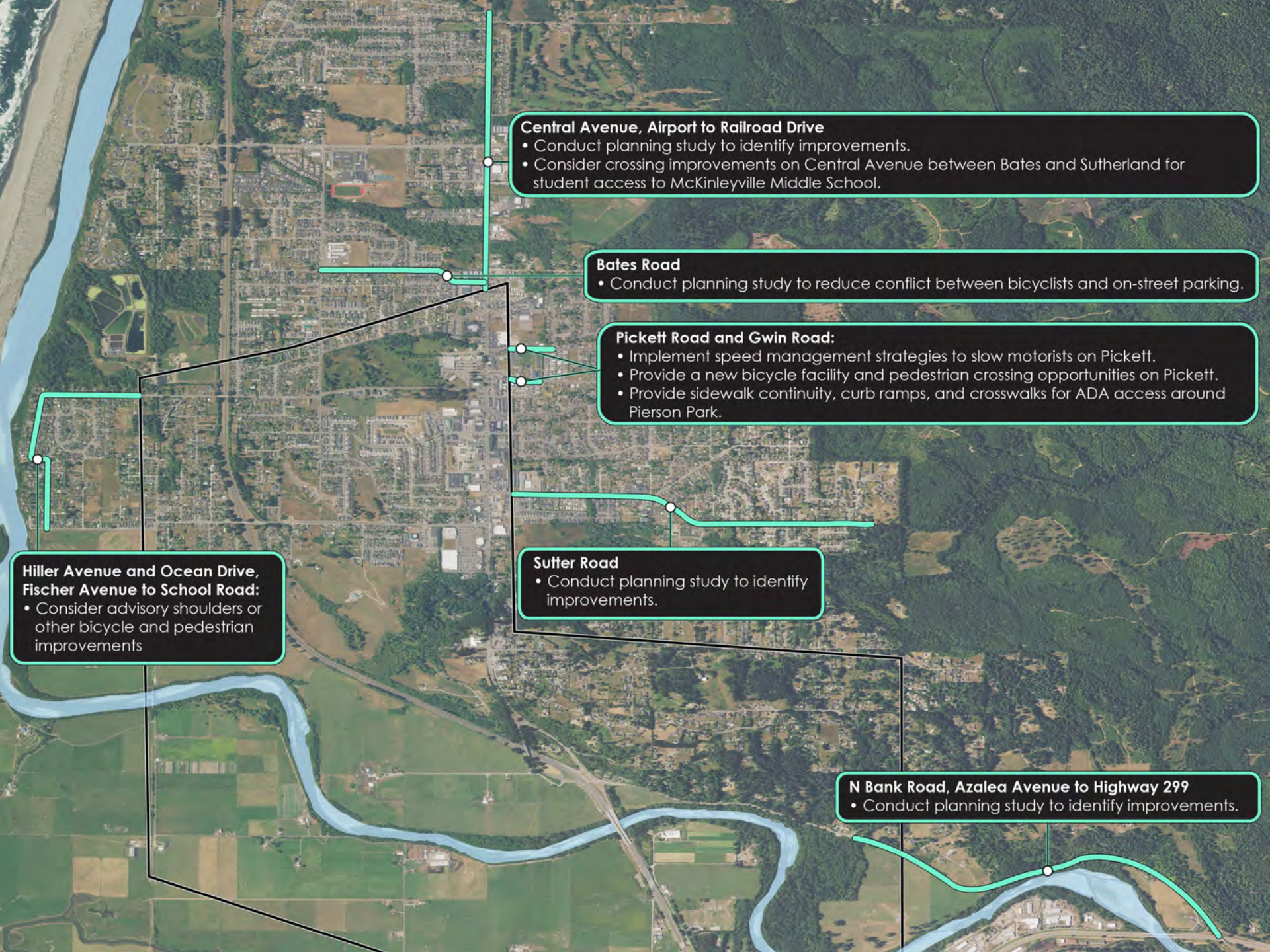

Hiller Avenue, Hammond Trail to Railroad Drive:
• Repair and/or repave Hiller Road.
• Provide bicycle lockers or racks at Hiller Park.
• Construct sidewalks on the northerly side of Hiller Road.
• Install crosswalks at additional locations to cross Hiller Road.
• Consider using intersection murals and place making strategies.
• Implement speed management strategies to slow motorist speeds.
• Enhance the bicycle and pedestrian facility on Highway 101 overpass.
• Construct a bicycle facility on Hiller Road to connect with Hammond Trail.
• Install lighting to improve visibility of active transportation users on Hiller Road.
• Install signage for wayfinding and to alert motorists of bicyclists and pedestrians.
• Modify the Hiller Road/McKinleyville Avenue intersection to address community noted confusion.
• Provide higher frequency landscape maintenance to increase safety and security for people crossing Hiller Avenue on the Hammond Trail

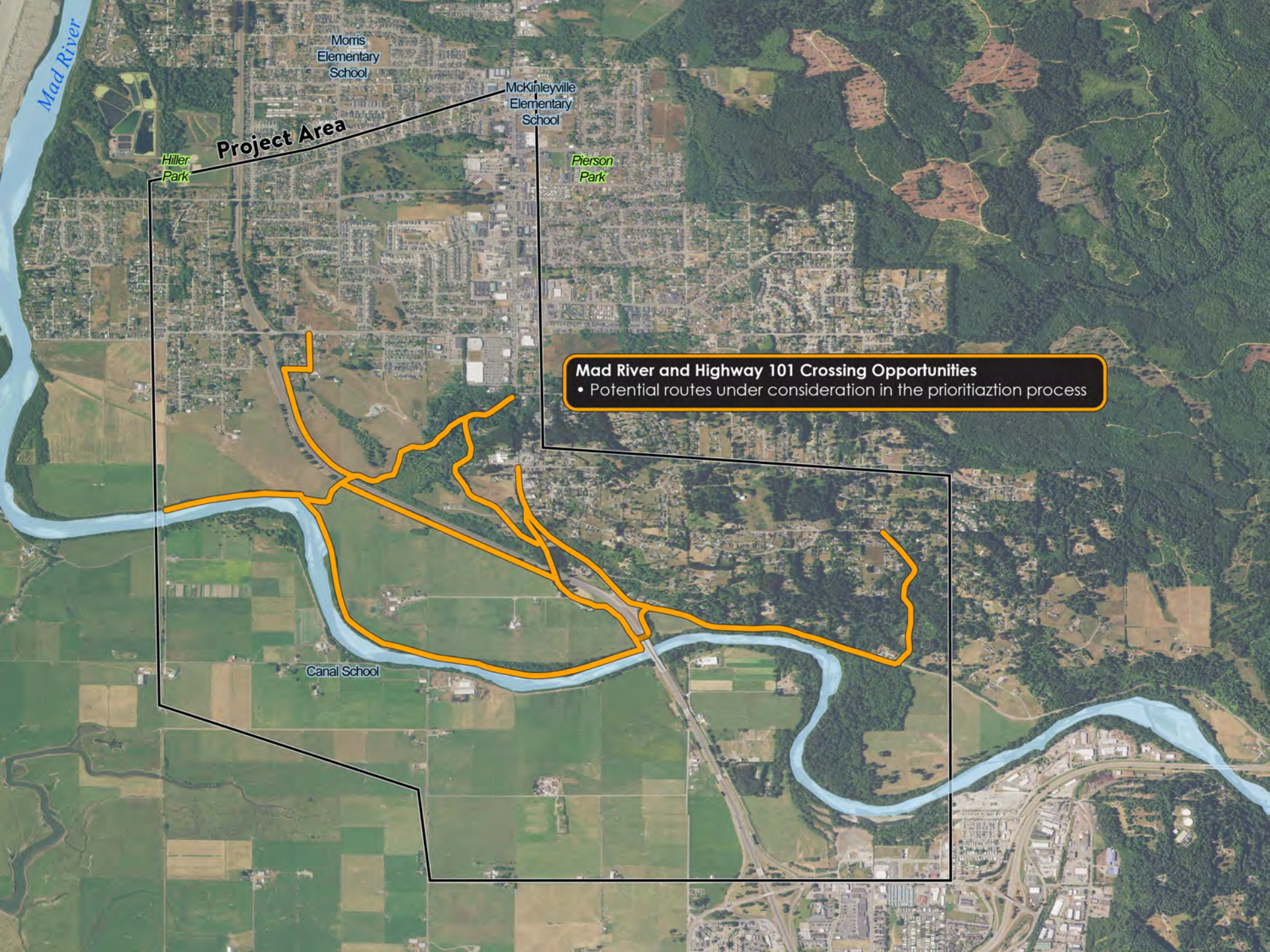

Central Avenue, Railroad Drive to Bella Vista Road:
• Enhance bicycle accommodations.
• Enhance pedestrian crossing at intersections.
• Widen sidewalks and address conflicts to ADA compliance.
• Implement speed management strategies to slow motorists.
• Implement landscape management policies to clear overgrown landscaping on bridle path.
Central Avenue and Bella Vista
• Improve access to transit stop(s).
• Consider speed management strategies.


Central Avenue and N Bank Road, Bella Vista Road to Azalea Road
101 Mad River Bridge Bike Path
• Install lighting for safety and security.
• Enhance and improve the 101 Mad River Bridge Bike Path.
• Provide dedicated facility to access the 101 Mad River Bridge Bike Path.
• Implement features to reduce noise from adjacent high-speed vehicles.
• Install signage for wayfinding and to alert motorists f bicyclists and pedestrians.
• Provide higher frequency landscape maintenance to increase safety and security for people using the 101 Mad River Bridge Bike Path.
• Implement speed management strategies to slow motorists at locations where people walking or cycling might cross the roadway.
• Implement treatments on North Bank Road such as transverse rumble strips to slow vehicle speeds and alert people walking and cycling of oncoming vehicles.


Azalea Avenue, Hewitt Road to N Bank Road:
• Investigate and potentially limit large truck traffic.
• Implement speed management strategies to slow motorist speeds.
• Provide dedicated facilities for bicyclists and pedestrians through widening.
• Improve Azalea Avenue/Cochran Road intersection where narrow right of way introduces conflict.


Community-wide Improvements
• Implement public art strategies.
• Provide appropriate loading zones at all transit stops.
• Provide separated or enhanced facilities for bikeways.
• Implement landscaping maintenance policies to increase visibility.
• Plan for multi-modal connections to existing and future affordable housing.
• Implement motorist speed management strategies throughout McKinleyville.
• Reduce auto-centric transportation network and promote bicycle and pedestrian travel.
• Construct improvements similar to the Central Avenue bridle path with landscaping and soft surface material (dirt, decomposed granite, etc.)
Washington Avenue
• Implement speed management strategies and provide bicycle facility.
School Road to McKinleyville Avenue
• Provide bicycle and pedestrian connections
Boyd Draw
• Provide dedicated facility connecting Wymoore Road to Heindon Road.


Central Avenue, Airport to Railroad Drive
• Conduct planning study to identify improvements.
• Consider crossing improvements on Central Avenue between Bates and Sutherland for student access to McKinleyville Middle School.
Bates Road
• Conduct planning study to reduce conflict between bicyclists and on-street parking.
Pickett Road and Gwin Road:
• Implement speed management strategies to slow motorists on Pickett.
• Provide a new bicycle facility and pedestrian crossing opportunities on Pickett.
• Provide sidewalk continuity, curb ramps, and crosswalks for ADA access around Pierson Park.
Hiller Avenue and Ocean Drive, Fischer Avenue to School Road:
• Consider advisory shoulders or other bicycle and pedestrian improvements
Sutter Road
• Conduct planning study to identify improvements.
N Bank Road, Azalea Avenue to Highway 299
• Conduct planning study to identify improvements.


Mad River
Morris Elementary School
McKinleyville Elementary School
Project Area
Hiller Park
Pierson Park
Canal School
Mad River and Highway 101 Crossing Opportunities
• Potential routes under consideration in the prioritiaztion process

Central Avenue Connection Alternatives Ranking Criteria

Please go to www.Menti.com
and use the code
8357 4983

Weighting of Proposed Prioritization Metrics

Mentimeter

Next Round of Engagement Activities

Youth Engagement

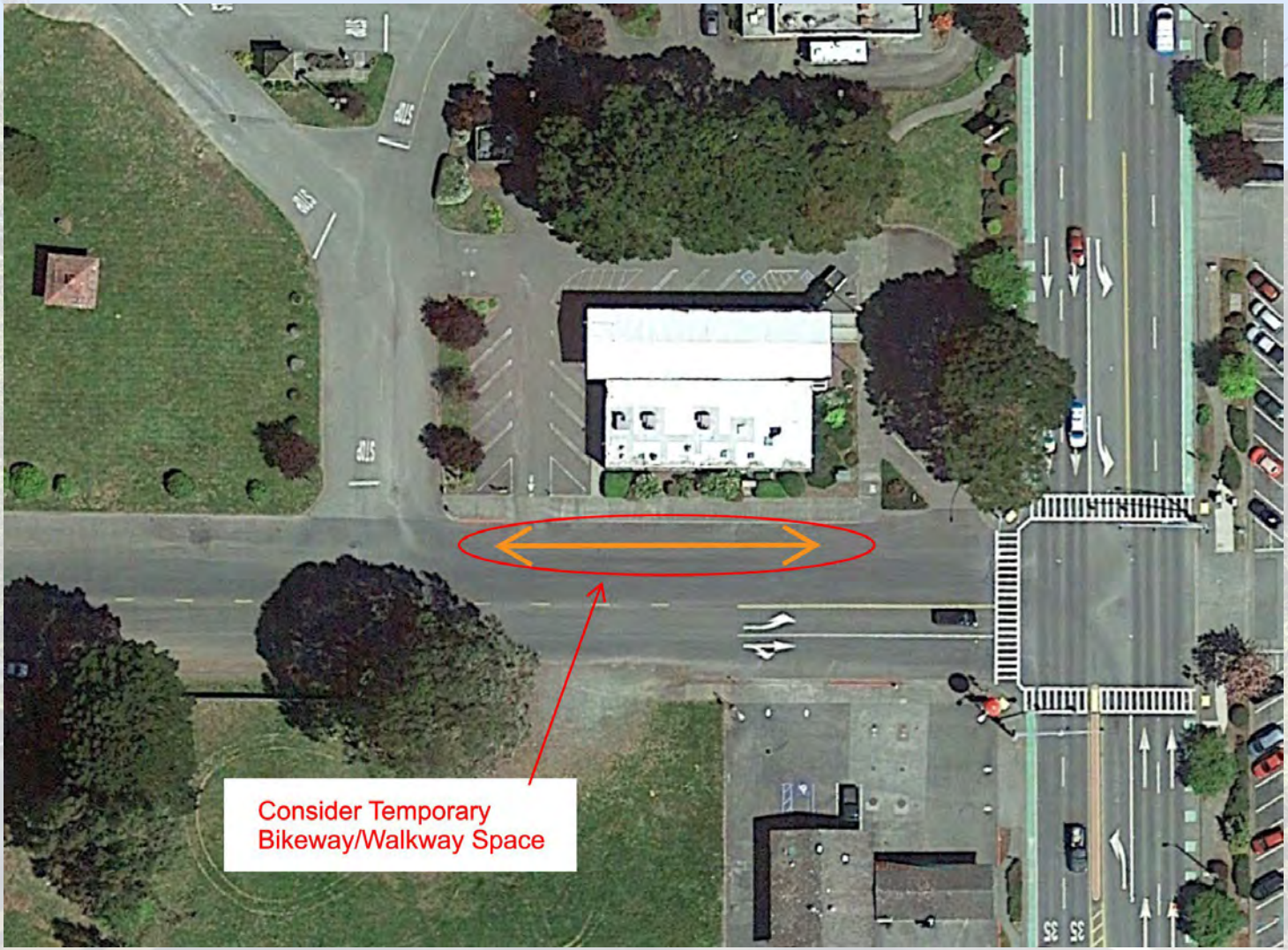
Additional 1-on-1 meetings

Pop-up Temporary Infrastructure Demo

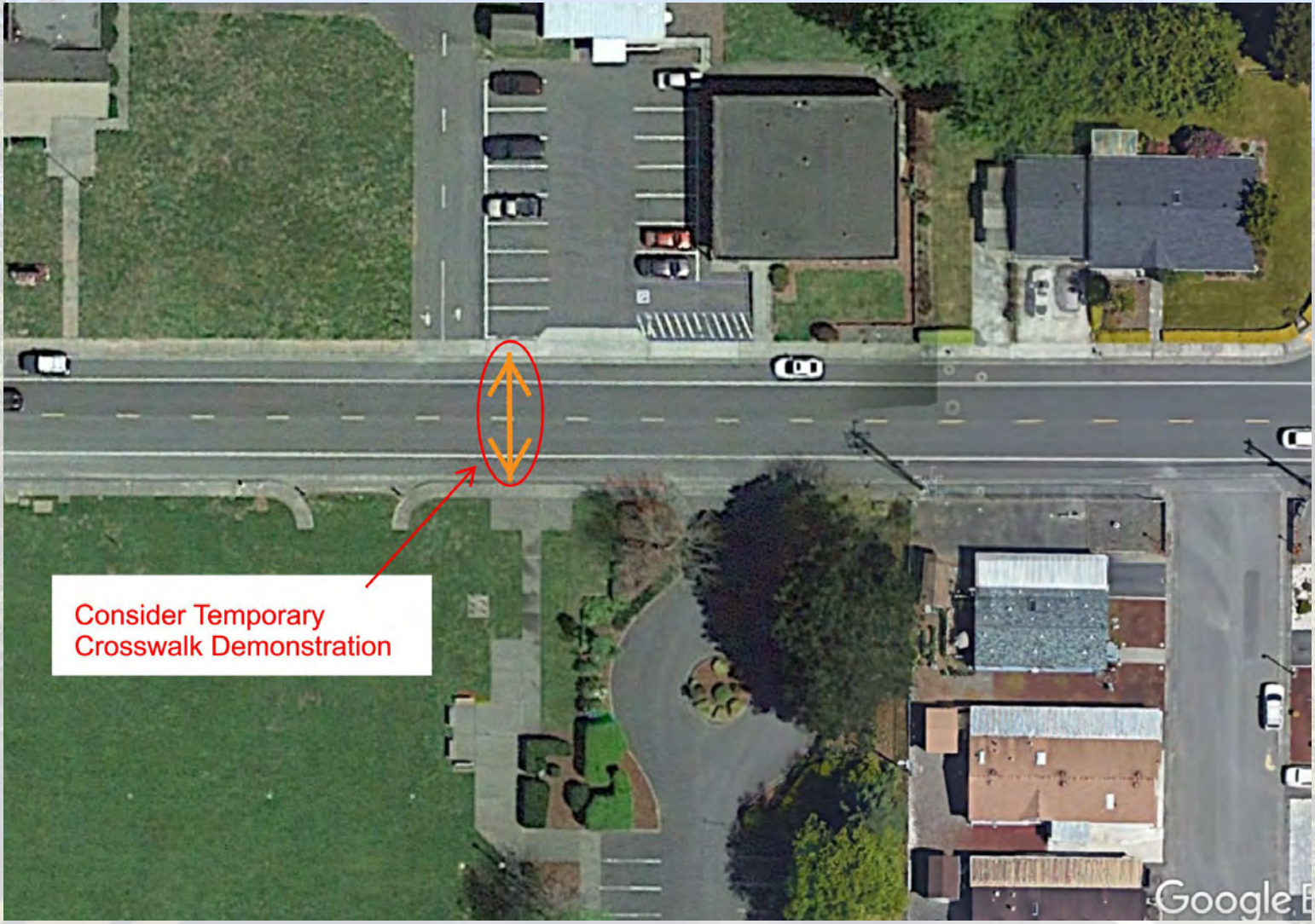
Community Workshop #2

Pop Up Temporary Infrastructure Demo

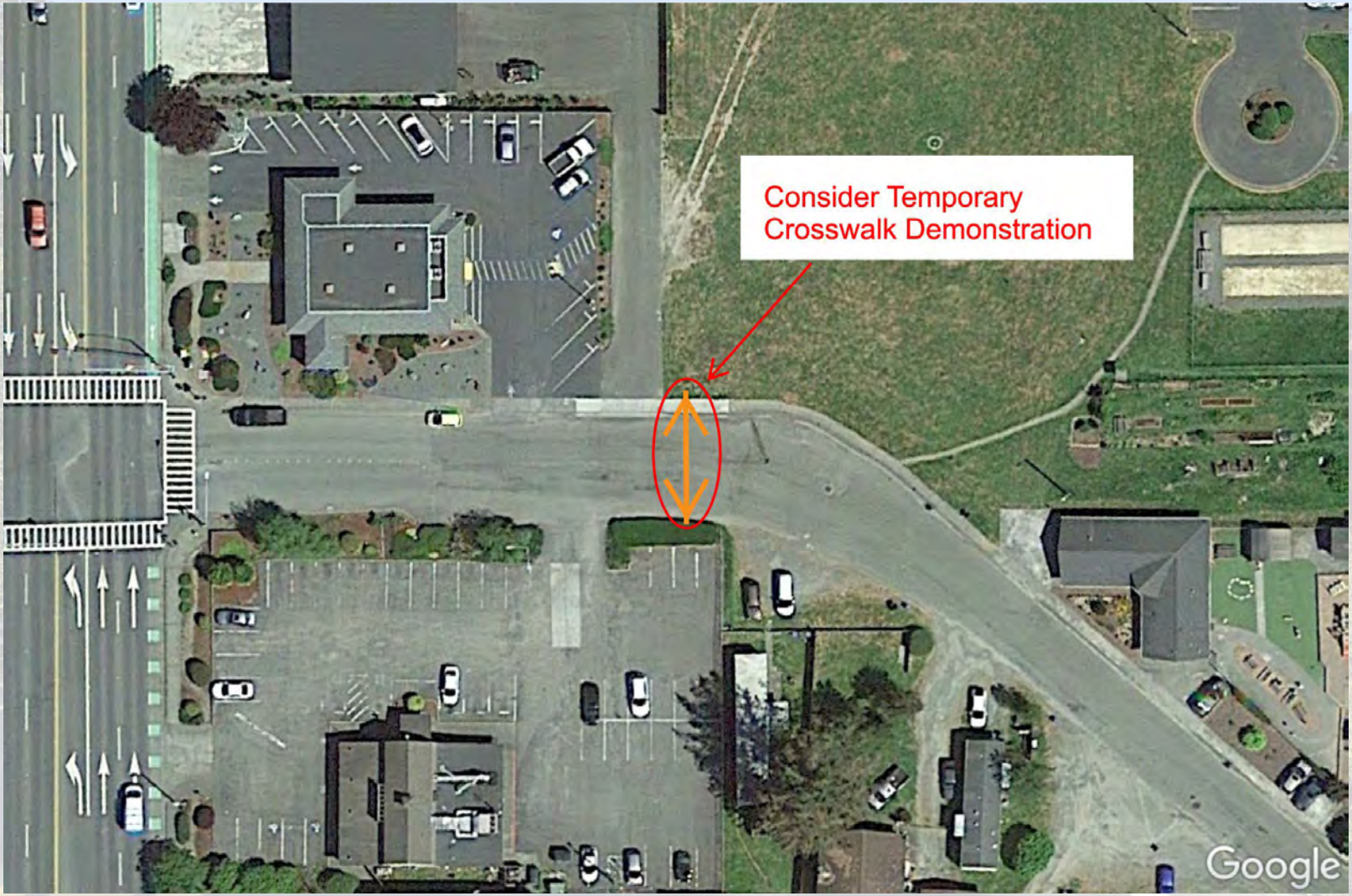
Potential Pop-Up Locations: Hiller Avenue Bikeway



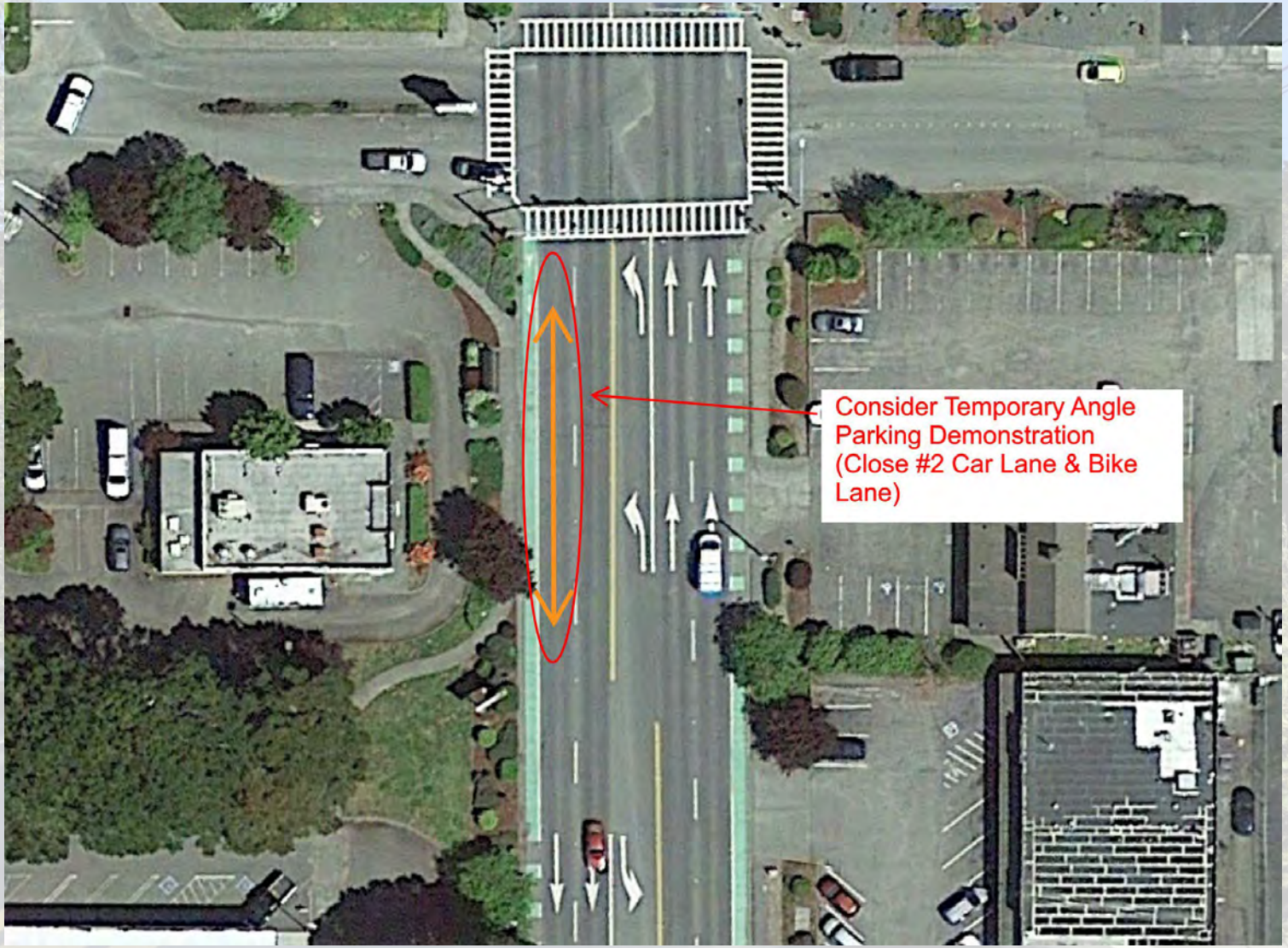
Potential Pop-Up Locations: Pickett Road Crosswalk



Potential Pop-Up Locations: Gwin Road Crosswalk



Potential Pop-Up Locations: Central Avenue Bikeway



Which temporary Pop-Up Demonstration project do you prefer?

Mentimeter

0%
Bikeway on Hiller Avenue

0%
Crosswalk on Pickett Road

0%
Crosswalk on Gwin Road

0%
Bikeway on Central Avenue

Next Steps

One-on-one stakeholder meetings – Nov - Jan 2021

Photovoice or Videovoice Activity - November 2021

Pop-Up Infrastructure Demonstration – Spring 2022

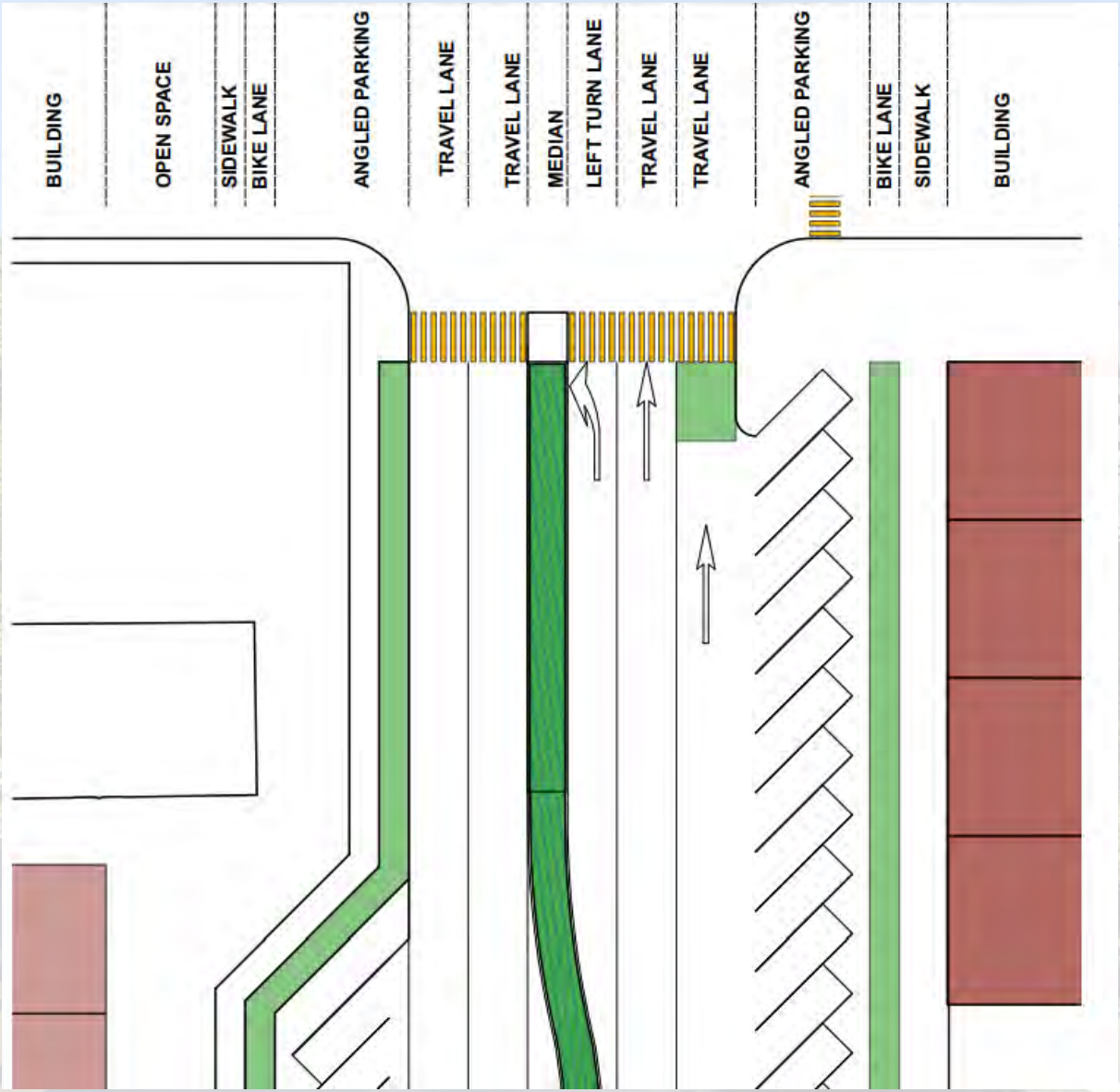
Community Workshop No. 2 – Spring 2022

Engagement with youth through schools/youth centers - Jan 2022

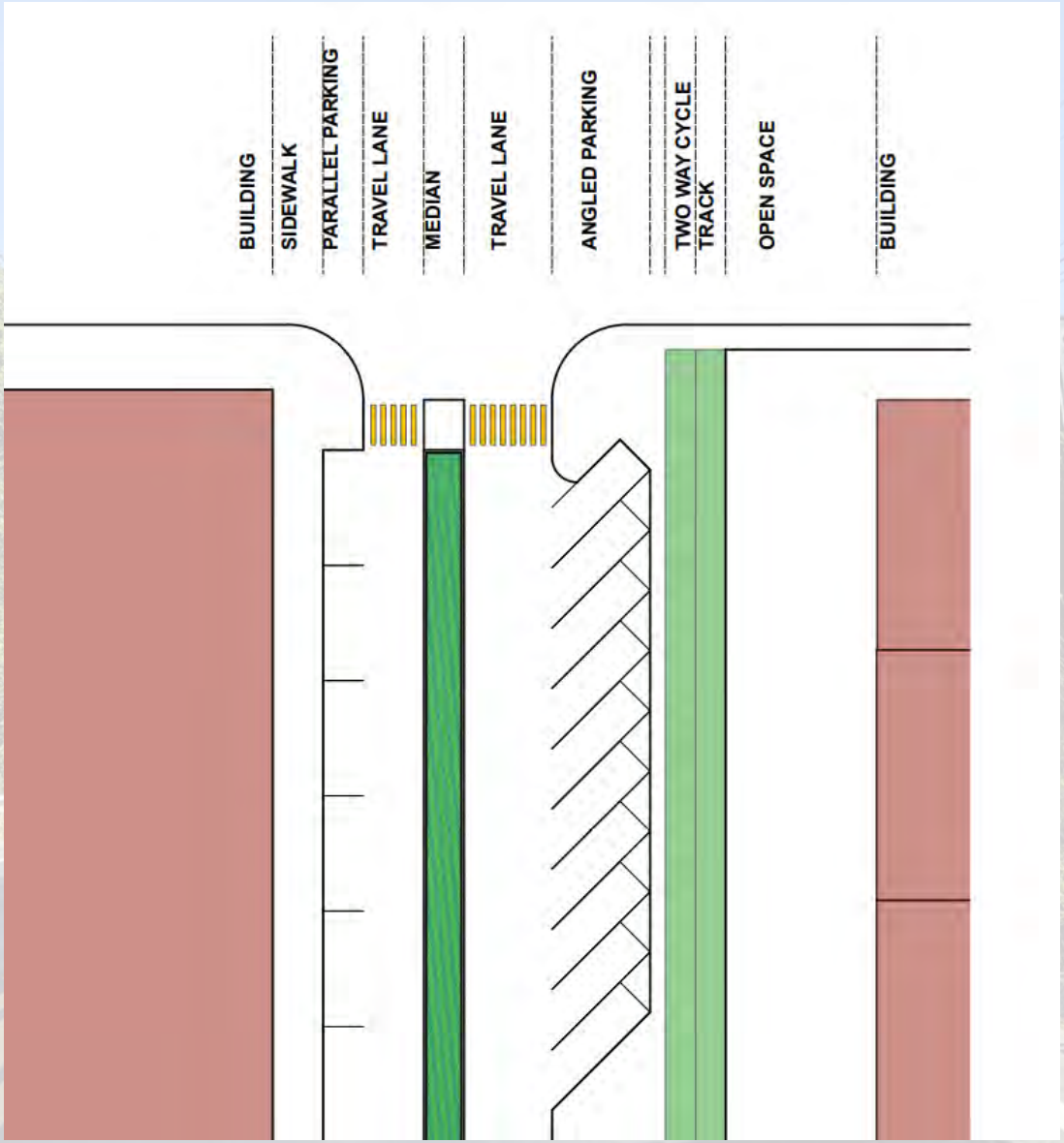
Thank you for your participation!

Jenny Weiss, RCAA weiss@nrsrcaa.org
Paul Martin, Mark Thomas & Associates pmartin@markthomas.com
Tom Mattson, Humboldt County Public Works tmattson@co.humboldt.ca.us

Town Center Cross-Section: Central



Town Center Cross-Section: Hiller



McKinleyville Multimodal Connections Project
Project Task Force (PTF) Meeting Minutes
Monday, November 8th, 2021 1:30 – 3:30 p.m.

Participants

- Bonnie Oliver, Community member
- Mitchell Higa, Humboldt Bay Bike Commuters Association
- Alexis Kelso, Caltrans
- Mary Burke, McKinleyville Municipal Advisory Commitee
- Colin Fiske, Coalition for Responsible Transportation Priorities
- Consuelo Espinoza, Humboldt Transit Authority
- Sandra Rosas, Community member
- Tom Mattson, Humboldt County Public Works
- Ben Winker, Area 1 Agency on Aging
- Tiffany Maher - Morris Elementary School Principal
- Suresh Ratnam, Caltrans
- John Miller, Humboldt County
- Lisa Hockaday, Caltrans
- Pat Kaspari, McKinleyville Community Services District
- Stevie Luther, Humboldt County Association of Governments
- Supervisor Steve Madrone, Humboldt County Supervisor
- Jenny Weiss, Redwood Community Action Agency
- Ashley Shannon, Redwood Community Action Agency
- Paul Martin, Mark Thomas & Associates
- Jae Riddle, Mark Thomas & Associates
- Maya Conrad, McKinleyville Municipal Advisory Committee
- Amanda, Turner Road Resident
- Brett Gonemeyer, Caltrans
- Greg Pratt, Humboldt Transit Authority
- David Morgan, Caltrans
- Melody Mallick, Humboldt County Public Health
- Supervisor Mike Wilson, Humboldt County Supervisor

Intended Outcomes:

1. Understanding of current engagement activities
2. Review Community Engagement and Input to Date
3. Understanding of conceptual improvement recommendations
4. Discussion on prioritization criteria
5. Understanding of second round of engagement activities and next steps

Current Project Engagement Activities:

1. English and Spanish flyer indicating a Call for Photos open from Nov.1-20th asking participants for visual representation of community concerns for safe walking, bicycling, or access to transit within the identified project area

Engagement Activities to date:

1. Walking tours: Occurred at 3 locations Central Ave, Hiller rd., Wymore rd. on August 16th, with a final debrief at Pierson Park. The debrief ran for 3 hours where maps, general input, and top concerns were collected. The top concerns identified were:
    - Walking and biking restrictions
    - Inability to cross street comfortably/ safely

    a. Observations Specific to Central Ave:
        - Significant ADA access issues
        - Lack of safe street crossing opportunities
        - Lack of bicycle facilities
        - Sidewalk gaps
        - Missing ramps on sidewalks and busy streets
        - Tight spaces make wheelchair access impossible
        - Vegetation blocking use of entire sidewalk
        - ADA Ramp issues
        - Positive response to bridle path, it allowed participants to feel safer as they appreciate the buffer between pedestrians and the cars
        - Northwest crossing corner of Railroad and Central is extremely dangerous
        - Participants advocated for extending the green bike lane
        - Pickett Ave: needs a better cross walk and a bicycle facility
        - Bike lanes are too narrow and dangerous when near fast cars

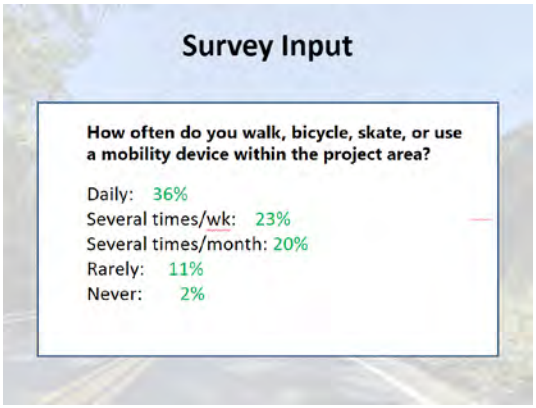
    b. Observations Specific to Hiller Rd.:
        - Pavement needs improvements, bad for bicyclists and motorists
        - Sidewalks need improvement, presents challenges for wheelchair and scooter pedestrians
        - Need bike lanes, wants a bike lane specifically to Hammond trail
        - A need for bike lockers
        - There need to be defined sidewalks on Hiller Rd.
        - Area near HWY 101 has serious vegetation encroachment causing lack of safe walking space

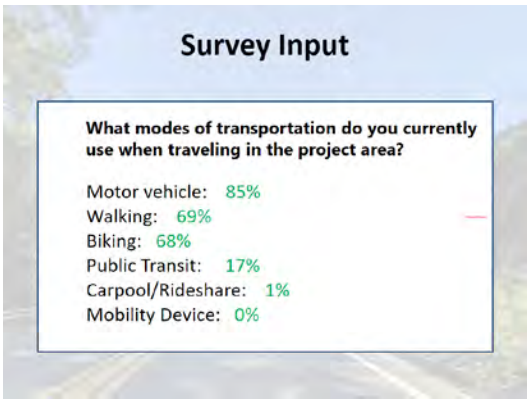
    c. Observations Specific to Wymore Rd.:
        - Lack of awareness of trail access due to poor signage, recommends signs be improved
        - Bridge needs improvement
        - Dangerous to cross on North Bank rd. due to freeway, needs signage for drivers to be aware of pedestrians and bicyclists
        - Needs landscape maintenance, hard to see past vegetation encroachment
2. Online community workshop in August 2021:
    a. 26 people attended a meeting led by the consultant team & RCAA, public participation via Mentimeter polling

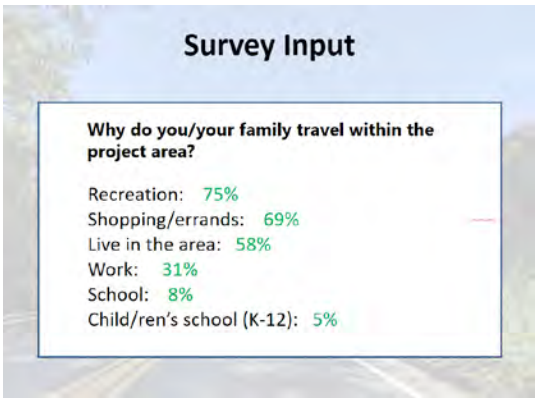
        The questions and top responses were:

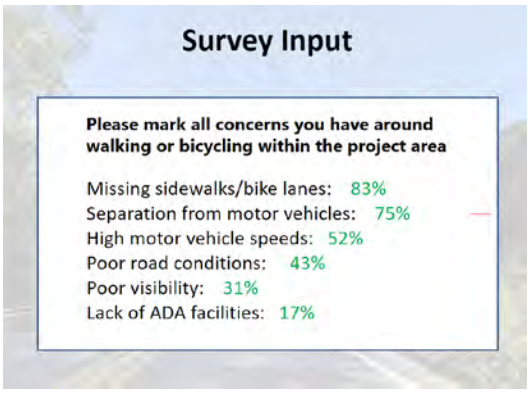
        - What is your top mode priority?
            - Cycling and rolling
            - Walking and mobility

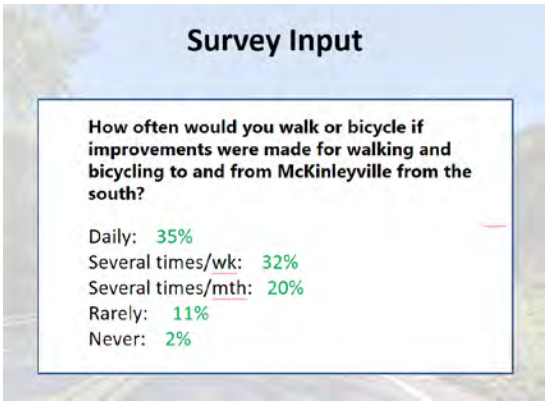
        - Access to transit
    - While walking or biking, what concerns do you have?
        - Ability to cross
        - Separation from motor traffic
        - Concern about traffic safety
        - Visibility in dark lighting
        - Personal safety related to criminal activity
        - Travel path clarity
        - Traffic noise
        - Protection and comfort from weather at bus stops
    - While walking or biking, what other concerns do you have?
        - Car speed
        - Bus stop overhands needed
        - Visibility issues
        - Overhang at bus stops
        - High speed limits
        - Driving less
    - What is your top connection priority for this project?
        - Improve walking and biking connections on Central Ave - 4.3%
        - Improve connection of HWY 101 crossing Mad River – 4.2%
        - Provide new infrastructure improvements within McKinleyville – 3.6%
        - Improve access to Hammond Trail – 3.3%
        - Improve walking and biking along Azalea Ave – 2.7%
3. English & Spanish Survey just closed that was running during Summer 2021
    - 79 online participants
    - 5 physical participants
    - 70% McKinleyville
    - 22% Arcata
    - 5% Eureka
    - Ages of Survey Participant:
        - 20-29: 11%
        - 30-39: 15%
        - 40-49: 25%
        - 50-59: 20%
        - 60-69: 20%
        - 70 and over: 10%
    - Race of Survey Participants:
        - White/Caucasian: 74%
        - Hispanic or Latino: 10%
        - Multiracial: 9%
        - Asian or Pacific Islander: 4%
        - Native American or Alaska Native 3%
        - Hmong 0%
        - Black or African American 0%
4. Survey Questions & Results:

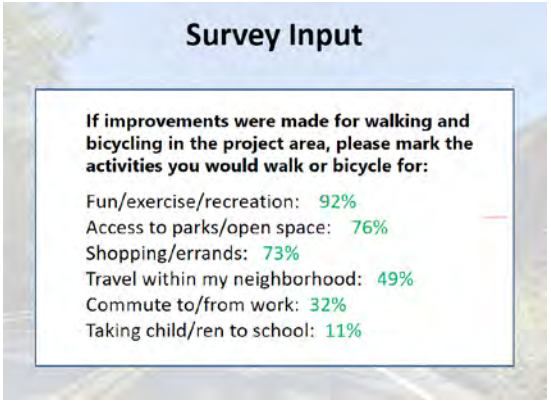


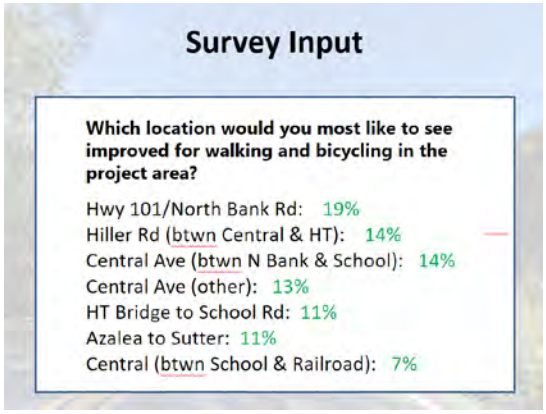


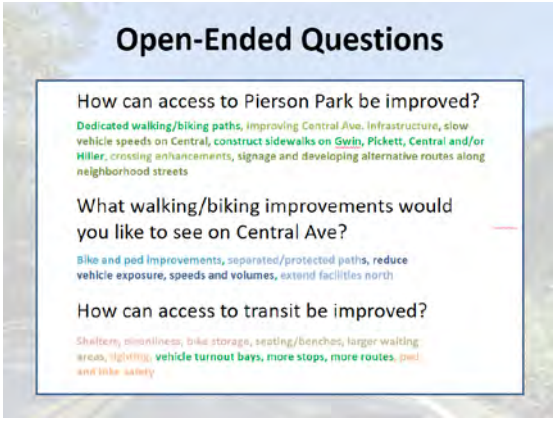












5. What/who might be missing?
    - Senior input
    - Youth input

Conceptual Recommendations

1. Hiller Rd. and Hammond Trail:
    - Repair and repave Hiller Rd
    - Provide bicycle lockers and racks at Hiller Park
    - Construct sidewalks on the northerly side of Hiller Road
    - Install crosswalks at additional locations to cross Hiller Road
    - Consider using intersection murals and place making strategies
    - Implement speed management to slow drivers
    - Enhance the bicycle and pedestrian facility on HWY 101 overpass
    - Construct bicycle facility on Hiller Road to connect Hammon Trail
    - Install lighting to improve visibility
    - Install signage for wayfinding and to altern motorists of pedestrian and cyclist
    - Modify Hiller Road McKinleyville Ave intersection
    - More frequent landscaping maintenance
2. Central Ave, Railroad Drive to Bella Vista Road:
    - Enhance bicycle accommodations
    - Enhance pedestrian crossing at intersections
    - Widen sidewalks and address conflicts with ADA compliance
    - Implement speed management strategies to slow drivers
    - More frequent landscaping maintenance
3. Central Avenue and Bella Vista:
    - Improve access to transit stops
    - Consider speed management strategies
4. Central Avenue and N Bank Road, Bella Vista Road to Azalea Road 101 Mad River Bridge Bike Path:
    - Install lighting
    - Enhance and improve the 101 Mad River Bridge Bike Path
    - Provide dedicated facility to access the 101 Mad River Bridge Bike Path
    - Implement noise reduction features
    - Install more signage
    - More frequent landscaping maintenance
    - Speed management strategies
    - Implement transverse rumble strips to slow vehicle speeds
5. Azalea Avenue, Hewitt Road to N Bank Road:
    - Investigate and potentially limit heavy truck traffic
    - Implement speed management to slow drives
    - Provide dedicated facilities for bicyclists and pedestrians through widening
    - Improve Azalea Avenue/ Cochran Road intersection where narrow right of way introduces conflict
    - This route presents challenges with topography
6. Washington Avenue:
    - Implement speed management to slow drivers
7. School Road to McKinleyville Avenue:
    - Provide bicycle and pedestrian connections
8. Boyd Draw:
    - Provide dedicated facility connecting Wymoore Road to Heindon Road
9. Central Avenue, Airport to Railroad Drive:
    - Conduct planning study to identify improvements

- Consider crossing improvements on Central Avenue between Bates and Sutherland for student access to McKinleyville Middle School

10. Bates Road:
    - Conduct planning study to reduce conflict between bicyclists and on-street parking
11. Pickett Road and Gwin Road:
    - Implement speed management strategies to slow drivers
    - Provide new bicycle facility and pedestrian crossing opportunities on Pickett
    - Provide sidewalk continuity, curb ramps, and crosswalks for ADA access around Pierson Park
12. Sutter Road:
    - Conduct planning study to identity improvements
13. Hiller Avenue and Ocean Drive, Fischer Avenue to School Road:
    - Consider advisory shoulders or other bicycle and pedestrian improvements
14. N Bank Road, Azalea Avenue to HWY 299:
    - Conduct planning study to identify improvements
15. Mad River and HWY 101 Crossing Opportunities:
    - Potential routes under considering in the prioritization process
    - Suggested levee improvements
16. Community Wide Improvement:
    - Public art strategies
    - Provide appropriate loading zones at all transit stops
    - Provide separated or enhanced facilities for bikeways
    - More frequent landscaping to increase visibility
    - Plan for multi-modal connections to existing and future affordable housing
    - Implement motorist speed management strategies throughout McKinleyville
    - Reduce auto-centric transportation network and promote bicycle and pedestrian travel
    - Construct improvement similar to the Central Avenue bridle path with landscaping and soft surface material (dirt, decomposed granite, etc)
17. General Feedback:
    - Most natural idea is to improve Central Ave in the north south direction
    - All have issues with property ownership or crossing water, more conversations with homeowners within the project boundaries need to occur
    - Green paint is not enough to provide confidence to bicyclists
    - There needs to be a significant separation between bikes and cars if there is going to be more cycling overall

Prioritization Metrics Discussion

1. Mentipoll of prioritized metrics for community input:
    a. Rating 1-5:
        - Topography changes - 2.6%
        - Route directness - 4.1%
        - Bikeway level of stress - 4.4%
        - Intersection crossings - 3.7%
    b. Rating 1-5:
        - ROW or easement required - 3.3%
        - Capital costs - 3.1%
        - Operations & maintenance costs - 3.7%

- Environmental impacts - 4.4%
- Engineering design complexity - 2.5%

c. Are there additional criteria you would suggest for consideration in the prioritization metrics?:
   - Equity
   - VMT reduction potential

d. Prioritization Metrics Feedback:
   - There were concerns from participants on how these ratings will be prioritized in the grand scheme of the project, they feel as though the ranking while important is not representative enough. There was a push for more landowner involvement in the project.

Second Round of Engagement Activities

1. Youth engagement at Morris Elementary & McKinleyville High
2. Additional 1 on 1 meetings
3. Community Meeting #2
4. Pop up Temporary Infrastructure Demonstration (a form of tactical urbanism) that provides real on the ground understanding and ability to see the change in action.
   a. Provided photographic examples in presentation slides (photo of I street in Eureka)
   b. Mentipoll of potential locations to determine PTF preference (Central Ave & Hiller Ave just west of Central, Pickett Rd. on the north side of Pierson Park, Gwin Rd. on the south side of Pierson Park, Central Ave bikeway temporarily closing one travel and bike lane, Hiller Ave bikeway)
      - 45% bikeway on Hiller Ave Bikeway
      - 0% crosswalk on Pickett Rd Crosswalk
      - 5% crosswalk on Gwin Rd Crosswalk
      - 50% bikeway on Central Ave Bikeway
   c. <u>Feedback on Pop Up:</u>
      - Participants are concern over traffic implications during the windows of 8 am and 5 pm, density will be too high to do this type of demonstration on Central Ave
      - While a Saturday or Sunday would be less dense in traffic on a road like Central, it would not be representative of the effect on traffic on a normal day
      - Public Works vocalized hesitation toward the suggestion involving angled parking on Central, believes there are significant safety concerns with this idea
      - Participants expressed concern that the pop-up may leave the public unenthusiastic about the idea if there is not ample advertisement for the event. If people are properly prepared they may be more receptive to the idea.
      - County Planning and Building acknowledges Public Works concerns over the angled parking, they are having internal meetings to address safety concerns and want to establish their own pop-up event with Public Works concern in mind and in conjunction with the McKinleyville Municipal Advisory Committee
      - McKinleyville Municipal Advisory Committee is seriously considering the potential of the angled parking alternative and expressed concern towards the opposition to the idea even in just a pop up, expressed interest in wanting to be a part of the outreach efforts to educate the community on the idea of a pop up to generate more support for the idea

Next Steps

1. Photovoice and Videovoice Activity running through November 2021
2. Pop-up infrastructure in Spring 2022
3. Engagement with youth through schools/ youth centers in Spring 2022
4. Engaging input from senior communities Spring 2022
5. Share call for photo submissions
6. Presentation to MMAC
7. Please share outreach materials and input opportunities with your organization list when they become available

Thank you!

McKinleyville Multimodal Connections Project (MMCP)

Call for Public Photos

Share your concerns about safe walking, bicyling or access to transit within the project area!

The County of Humboldt is requesting photo submissions to highlight issues, barriers and opportunities for enhancing transit, walking, and bicycling opportunities within the MMCP project area.

Please submit 1-5 photos **along with a narrative describing your concerns to:**

weiss@nrsrcaa.org between Nov 1-20, 2021.
Your input will help shape future safety projects.

Thank you!

Proyecto de Conexiones Multimodal en McKinleyville
Se buscan fotos

¡Comparta sus preocupaciones sobre caminando, andando en bicicleta o accesando el transporte público de manera segura dentro del área del proyecto! →

El condado de Humboldt solicita fotografías que representan problemas, barreras y oportunidades para mejorar las oportunidades de tránsito, caminar y andar en bicicleta dentro del área del proyecto.

Envíe de 1 a 5 fotos junto con una descripción que describa sus inquietudes a:

weiss@nrsrcaa.org
entre el 1 y el 20 de noviembre de 2021.
Sus comentarios ayudarán a dar forma a futuros proyectos de seguridad.

¡Gracias!

HUMBOLDT COUNTY

APPENDIX C - Phase 2 Engagement Presentations and Materials

MARK THOMAS

McKinleyville Multimodal Connections Project

You're invited to provide feedback on conceptual designs for multimodal transportation improvements in your community! The County of Humboldt was funded by a Caltrans Sustainable Transportation Planning Grant to engage the community to create a plan with concept designs for safe walking and bicycling connectivity between McKinleyville and community destinations to the south around Humboldt Bay. Initial community feedback was used to develop concept designs for transportation improvements in the project area. These designs will be shared at outreach events listed below.

Pop-Up Demonstration Event

This event will use temporary materials to demonstrate a potential concept design in person. This is a great opportunity to see the concept on the ground and provide feedback. The event will take place over two days.

Where: Hiller Road x Central Ave (Event on Hiller Road)
When: Friday, April 1st 3:30pm to 6:30pm and Saturday, April 2nd 9:30am to 12:30pm

Community Meeting #2

The second community meeting will be in person and also available through Zoom. This is a great opportunity to learn more about the project's progress and provide feedback on potential designs. Hope to see you there and hear your thoughts!

Where: Azalea Hall ~ 1620 Pickett Road, McKinleyville CA 95519 and through Zoom
When: Thursday, April 28th 6pm to 7:30pm

Please visit the project website below for the Community Meeting Zoom link and more info:

https://bit.ly/MckMultiModalProj

Hope to see you there and hear your thoughts! For more information contact Carla at cavila@rcaa.org

McKinleyville Multimodal Connections Project

You're invited to provide feedback on conceptual designs for multimodal transportation improvements in your community! The County of Humboldt was funded by a Caltrans Sustainable Transportation Planning Grant to engage the community to create a plan with concept designs for safe walking and bicycling connectivity between McKinleyville and community destinations to the south around Humboldt Bay. Initial community feedback was used to develop concept designs for transportation improvements in the project area. These designs will be shared at the upcoming Community Meeting. Hope to see you there and hear your thoughts!

Community Meeting #2

The second community meeting will be in person and also available through Zoom. This is a great opportunity to learn more about the project's progress and provide feedback on potential designs.

When: Thursday, April 28th 6:00pm to 7:30pm
Where: In Person Attendance: Azalea Hall (1620 Pickett Road, McKinleyville)
Virtual Attendance: Please visit the project website for the Meeting link

Project website below for the Community Meeting link and more information:

https://bit.ly/mckmultimodalproj

For more information contact Carla at cavila@rcaa.org

Proyecto de Conexiones Multimodal en McKinleyville

¡Está invitado a compartir sus comentarios sobre los diseños conceptuales para las mejoras del transporte multimodal en su comunidad! El condado de Humboldt seguro fondos para el planificación de transporte sostenible de Caltrans para involucrar a la comunidad en la creación de un plan con diseños conceptuales para una conectividad segura para caminar y andar en bici entre McKinleyville y los destinos al sur alrededor de la bahía de Humboldt. Se utilizaron los comentarios iniciales de la comunidad para desarrollar diseños conceptuale.Estos diseños se compartan el la junta communitaria!

Junta comunitaria #2

La segunda junta comunitaria será en persona y también estará disponible virtualmente a través de Zoom. Esta es una gran oportunidad para obtener más información sobre el progreso del proyecto y compartir comentarios sobre diseños.

Cuándo: Jueves 28 de abril 6:00pm a 7:30pm

Donde: Azalea Hall ~ 1620 Pickett Road, McKinleyville CA 95519 y en Zoom

Visite el sitio web del proyecto para ver el enlace Zoom de la junta y para más información:

https://bit.ly/mckmultimodalproj

¡Ojala verte allí! Para más información contacta a Carla en cavila@rcaa.org

McKinleyville Multimodal Connections Project

Community Meeting #2

April 28th, 2022

COUNTY OF HUMBOLDT
The Home of the Redwoods

Caltrans

redwood communityaction agency

MARK THOMAS

Anuncios

Agenda

- Introductions (5 Minutes)
- Presentation (40 Minutes)
  - Project Overview
  - Recap of Recent Pop-Up Demonstration Project
  - Key Improvement Types
  - Project Corridor Improvement Options
- Breakout Sessions (40 Minutes)
  - Public Feedback (10 Minutes per Table x 3 Tables)
  - Debrief (10 Minutes)
- Closeout (5 Minutes)
  - Recap & Next Steps
  - Information & Contact

Conversation Guidelines

- Be respectful
- Speak one at a time
- Share the air time
- All ideas and points of view have value
- Stay on the agenda
- Be patient with the technology and each other!

Project Overview

Project Goals

Enhance safety and connectivity for all modes

Integrate transportation and housing planning efforts

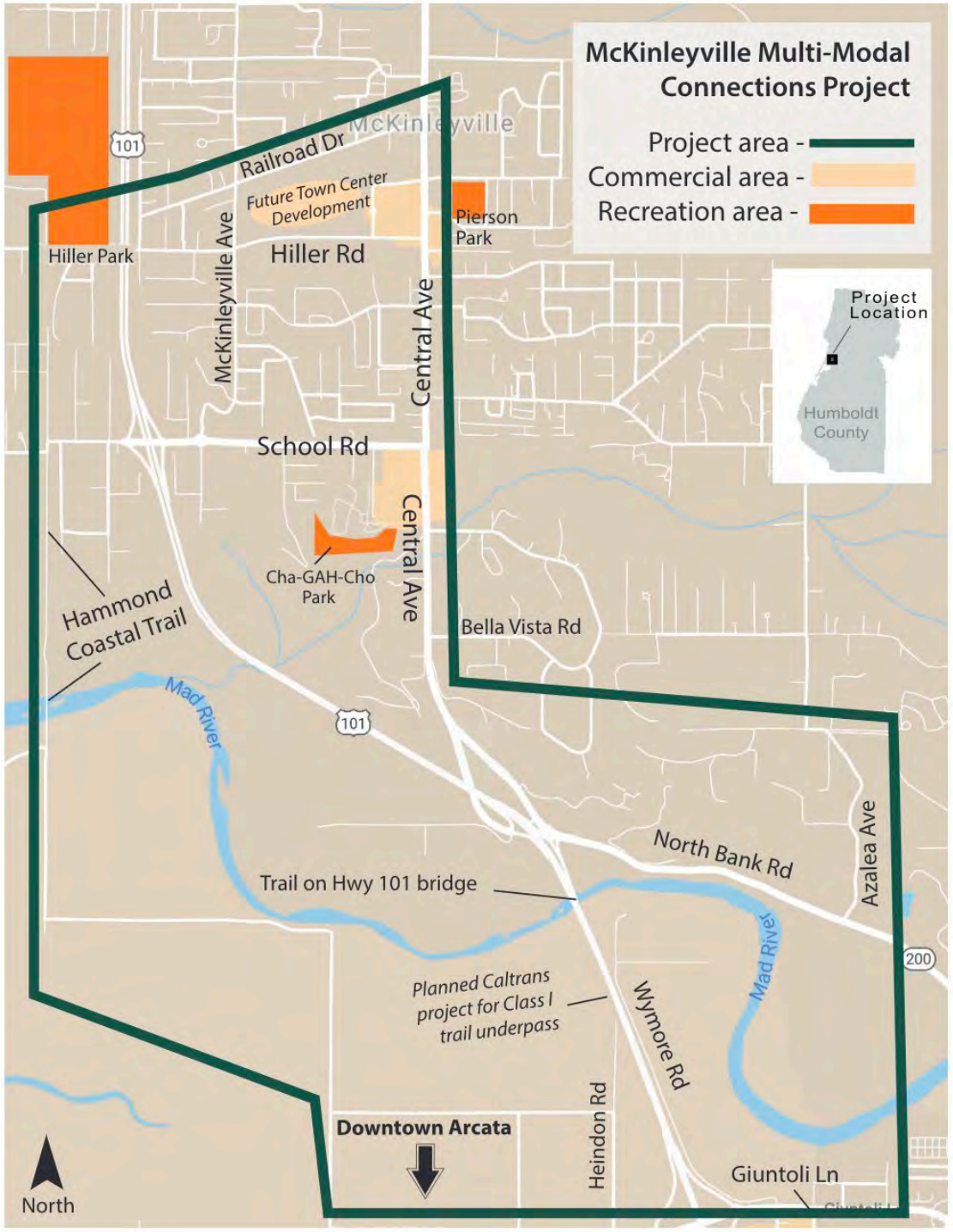
Create a plan with concept designs

Develop recommendations with County Public Works for future funding and improvements

Project Overview

Project Area

Focusing on improving multimodal connections within McKinleyville and between McKinleyville and southern destinations.



Project Overview

- Spring-Summer 2021
  - Project Kickoff
  - Project Task Force Developed
  - Walking Tours
  - Community Meeting 1
- Fall-Winter 2021-2022
  - Photo/Video Submissions
  - Develop Initial Concepts
- Spring-Summer 2022
  - Temporary Pop-up Demonstration Event
  - Community Meeting 2 *We are here!*
  - Finalize Concept Designs
- Fall/Winter 2022
  - Prepare Final Report

Pop-Up Demonstration on Hiller Road

This event used temporary materials to demonstrate a potential concept design in person

Pop-Up Demonstration on Hiller Road

This event used temporary materials to demonstrate a potential concept design in person

Pop-Up Demonstration on Hiller Road

Pop-Up Demonstration on Hiller Road

Pop-Up Demonstration Activity

Attendees were asked to add stickers to their preferred bikeway(s) type!

Bicycle Lane: 0 stickers

Buffered Bicycle Lane: 4 stickers

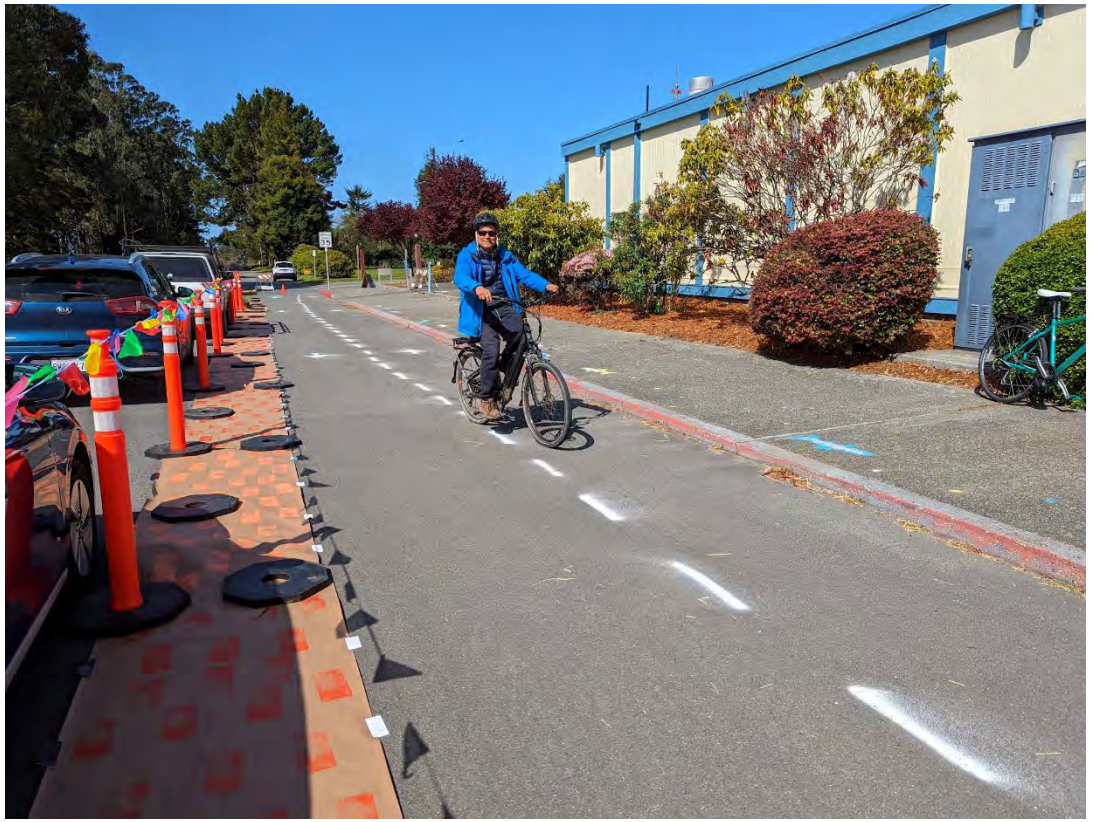
1-way or 2-way Separated Bikeway with Median Barrier: 24 stickers

Multi-Use Trail/Widened Sidewalk Trail: 19 stickers

Pop-Up Demonstration on Hiller Road

Popular Key Feedback:

- There is a strong preference for separated bikeways to increase safe cycling facilities
- Sidewalks are crucial to increasing connections within McKinleyville for pedestrians especially on Hiller Road, McKinleyville Avenue, Washington Avenue, and School Road
- Support for traffic calming features at key locations to improve safety for students & other travelers

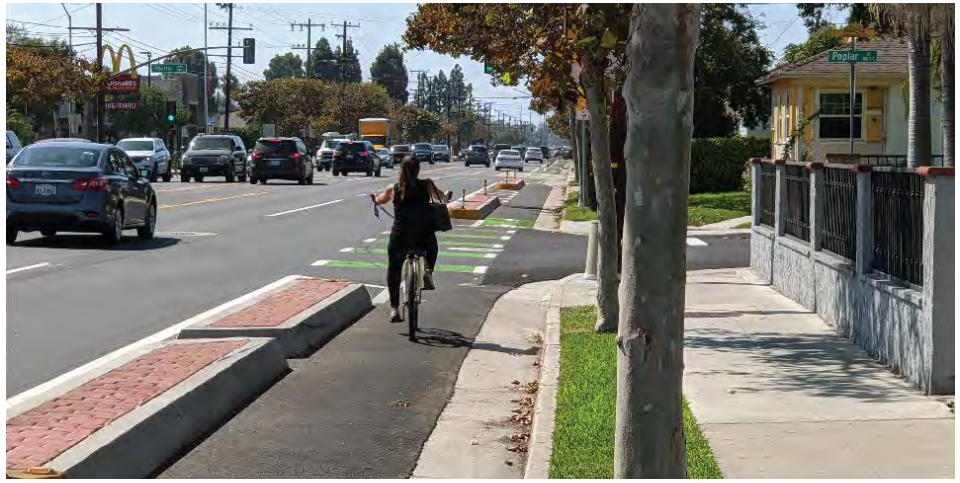


Key Improvement Types

Bicycle Lane

Buffered Bicycle Lane

1-way or 2-way Separated Bikeway with Median Barrier

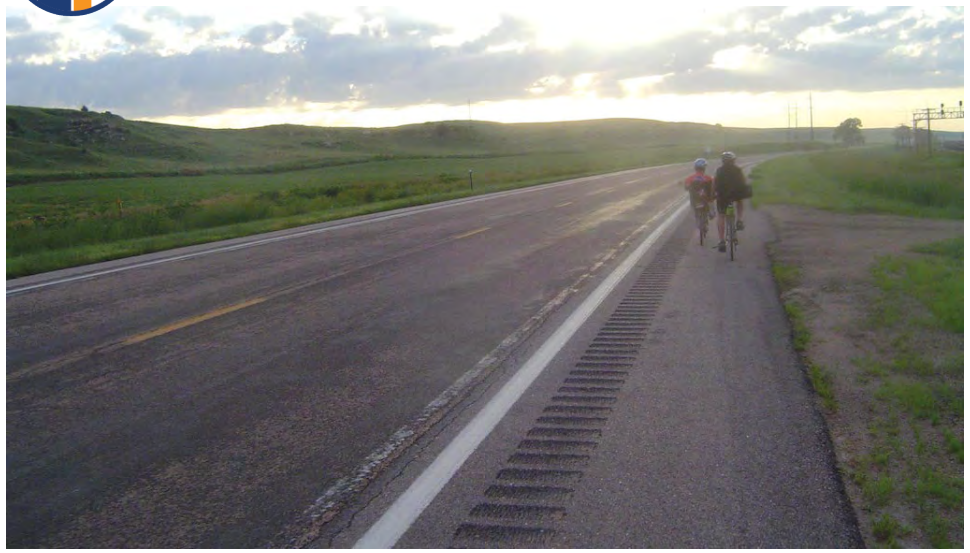


Multi-Use Trail/Widened Sidewalk Trail

Advisory Lanes

Lane Reduction

Shoulder Widening



Sidewalk Gap Closure

Project Area Corridor Improvement Options

Project Area Corridors

1. **Hiller Rd:** Fisher Ave ⇨ Hwy 101
2. **McKinleyville Ave:** Hiller Rd ⇨ Chelsea Wy
3. **Washington Ave:** McKinleyville Ave ⇨ School Rd
4. **School Rd:** Anderson Ave ⇨ Central Ave
5. **Central Ave:** Hiller Dr ⇨ Bella Vista Dr
6. **North Bank Rd:** Hwy 101 ⇨ Azalea Ave
7. **Azalea Ave**
   - North Bank Rd ⇨ Hewitt Rd
   - Hewitt Rd ⇨ Cochran Rd
8. **Mad River Rd, Miller Ln, Heindon Rd**
   - Hammond Trail Foot Bridge ⇨ Giuntoli Ln

Additional Considerations

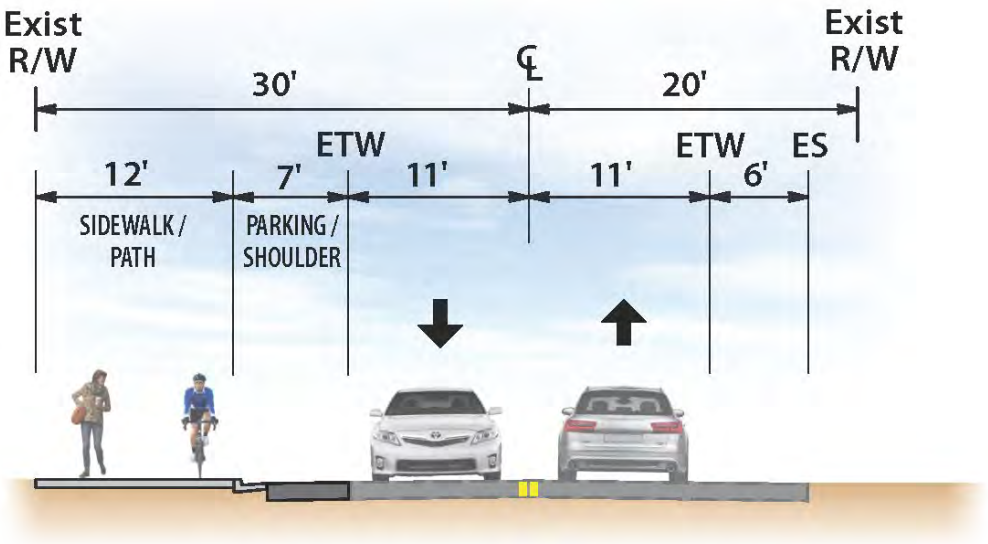
1. **Ocean Dr:** Hiller Rd ⇨ School Rd
   Outside project area
2. **McKinleyville Ave:** Railroad Dr ⇨ Hiller Rd
   Town Center Corridor
3. **Railroad Dr**: Central Ave ⇨ McKinleyville Ave
   Town Center Corridor
4. **Central Ave:** Railroad Dr ⇨ Heartwood Dr
   Town Center Corridor
5. **Hiller Rd:** Central Ave ⇨ McKinleyville Ave
   Town Center Corridor
6. **Central Ave:** School Rd ⇨ North Bank Rd
7. **North Bank Rd:** Azalea Ave ⇨ Easterly
   Phase 2 Project

Hiller Road

Fisher Ave ⇨ Hwy 101

SIDEWALK GAP CLOSURE

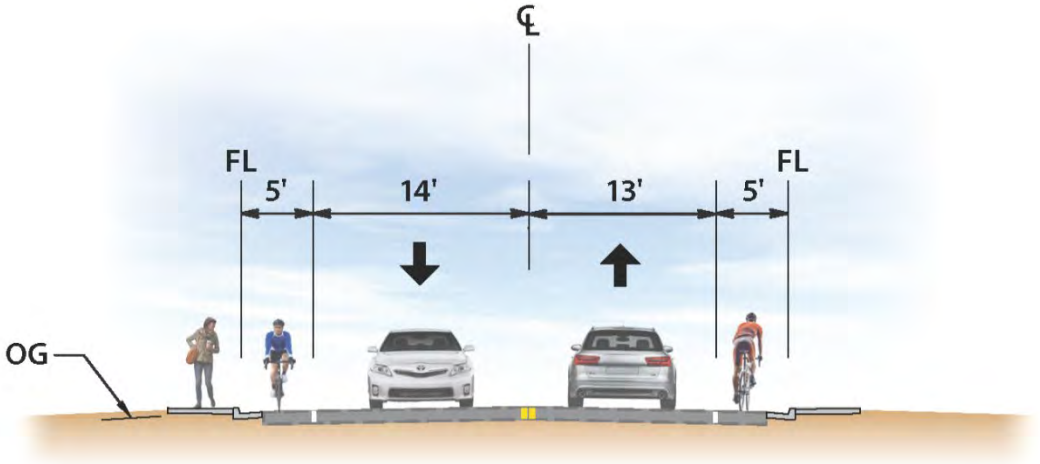
A 12-feet wide sidewalk/path gap closure is recommended to minimize right-of-way impacts, maintain shoulders and parking on both sides, and enhance east-west connectivity.



McKinleyville Ave
Hiller Rd ⇨ Chelsea Wy

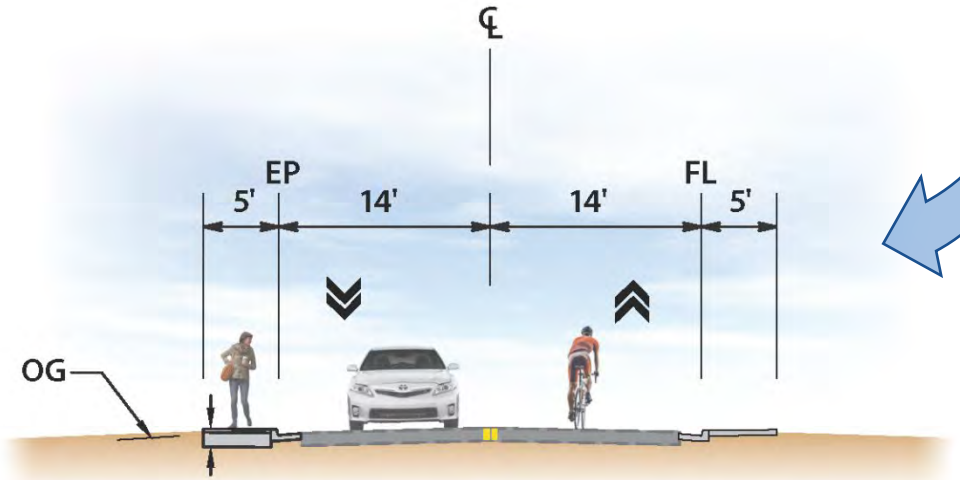
ON-STREET BIKE LANES

Option 1: Class II Bike Lanes. Would require removal of up to 17 on-street parking spaces. Parking use may be limited.



SHARED LANE MARKINGS

Option 2: Shared lane markings where cyclists would mix with motor vehicle traffic in the travel lane.



Washington Ave
McKinleyville Ave ⇨ School Rd

SIDEWALK GAP CLOSURE

Sidewalk gap closure is proposed in segments on both sides of the roadway throughout the corridor.

ON STREET BIKE LANES

Option 1: Class II Bike Lanes. Would require removal of up to 47 on-street parking spaces. Parking use may be limited.

SHARED LANE MARKINGS

Option 2: Shared lane markings where cyclists would mix with motor vehicle traffic in the travel lane.

School Rd

Anderson Ave ⇨ Central Ave

SIDEWALK GAP CLOSURE

Sidewalk gap closure is proposed between Anderson Avenue and the roundabout at Salmon Avenue.

ROUNDABOUT MODIFICATION

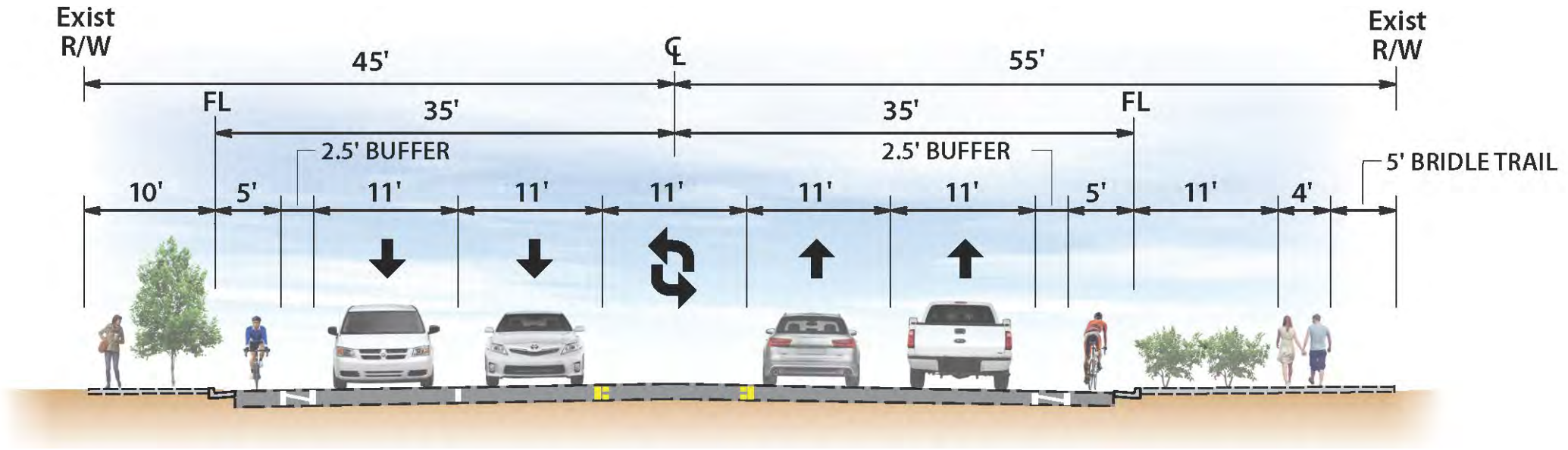
An off-street trail/widened sidewalk is recommended for a modification to the roundabout at Salmon Avenue to allow cycling outside of the circulating roundabout for less confident bicyclists.

Central Ave – Option 1

Hiller Rd ⇨ Bella Vista Dr

BUFFERED ON-STREET BIKE LANES

Option 1: Buffered bicycle lanes are considered to increase separation between bicyclists and motor vehicle traffic.

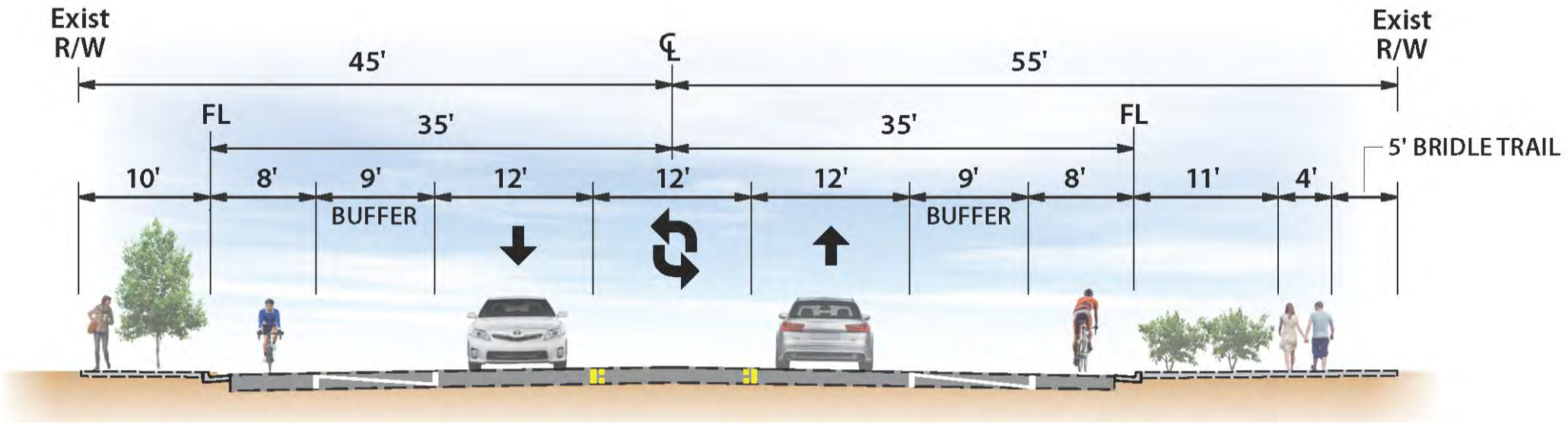


Central Ave – Option 2

Hiller Rd ⇨ Bella Vista Dr

LANE REDUCTION

Option 2: Motor vehicle lane reduction is considered to provide enhanced separation between people walking and cycling and motor vehicle traffic. The treatment eliminates conflict due to merging lanes and promotes consistency in lane configuration north of Bates Road and South of Anna Sparks Way.

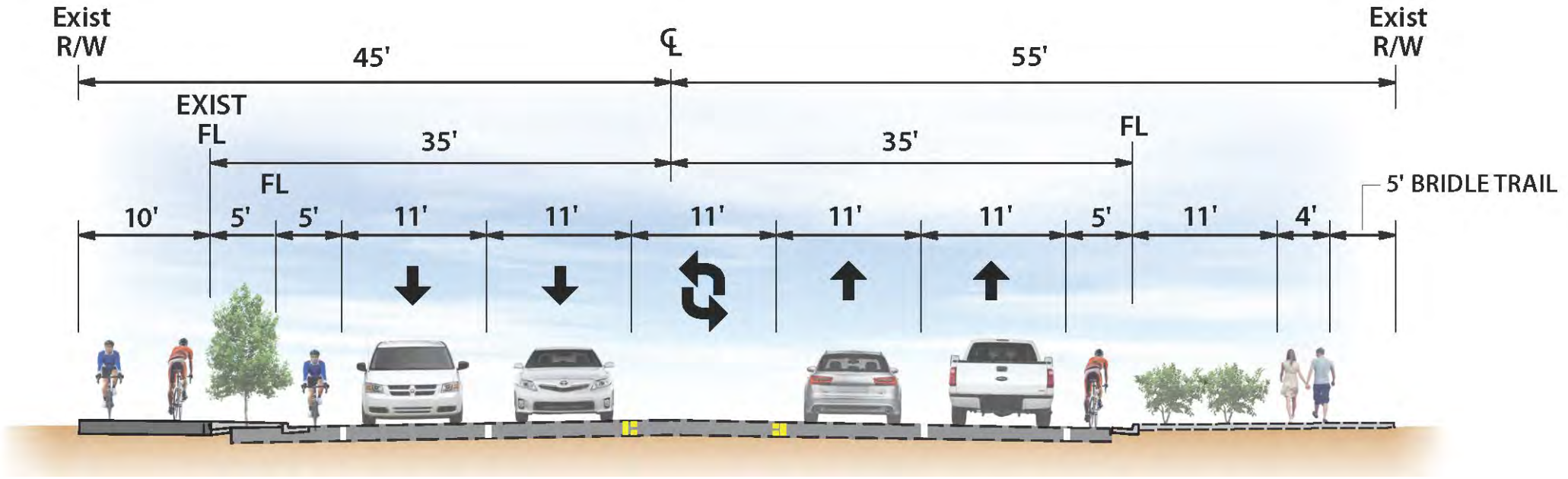


Central Ave – Option 3

Hiller Rd ⇨ Bella Vista Dr

WEST SIDE MULTI-USE TRAIL/WIDENED SIDEWALK TRAIL

Option 3: A multi-use trail/widened sidewalk trail is considered to provide people walking and cycling a physically separated path for traveling north and south on the west side of Central Avenue.



Central Ave

Interim Improvements

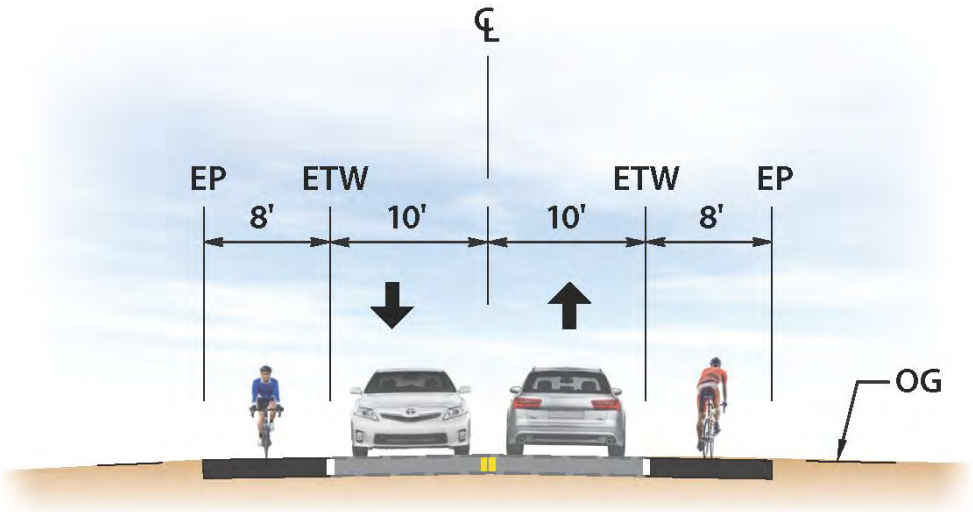
1. Buffer between northbound travel lanes and shoulder/bike lanes where possible.
2. Landscaping maintenance to avoid plant overgrowth that reduces useable space.
3. Paved path on shoulder between School Rd and Bartow Rd where existing footpath is well-defined.
4. Consider roadway restriping to remove the secondary northbound through lane at Central Avenue/Bella Vista Road.
5. Shoulder widening south of Henry Lane to provide 4-5-feet effective width.
6. Provide RRFB, crosswalk, and other enhancements at Reserve Rd/North Bank Road where crossing activity often occurs.

North Bank Rd

Hwy 101 ⇨ Azalea Ave ⇨ SR 299

SHOULDER WIDENING

Shoulder widening is proposed to provide space for bicyclists and pedestrians to Azalea Ave. A phase 2 project could extend the improvements east to State Route 299.

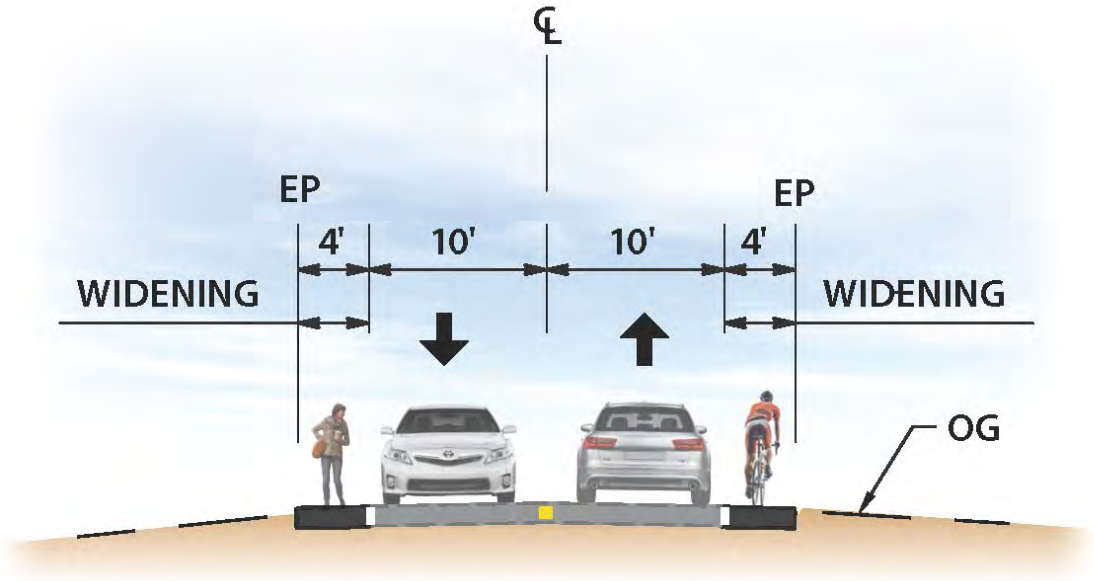


Azalea Ave

North Bank Rd ⇨ Hewitt Rd

SHOULDER WIDENING

Shoulder widening is proposed where the roadway descends and features curves to provide space for bicyclists and pedestrians.

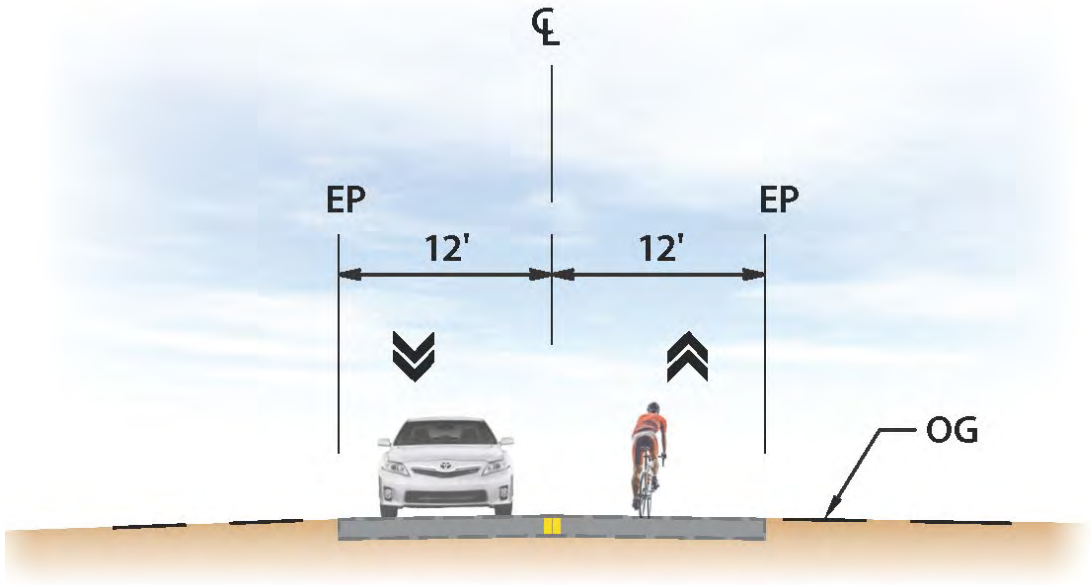


Azalea Ave

Hewitt Rd ⇨ Cochran Rd

SHARED LANE MARKINGS

Shared lane markings are proposed where the roadway is mostly flat and without curves.

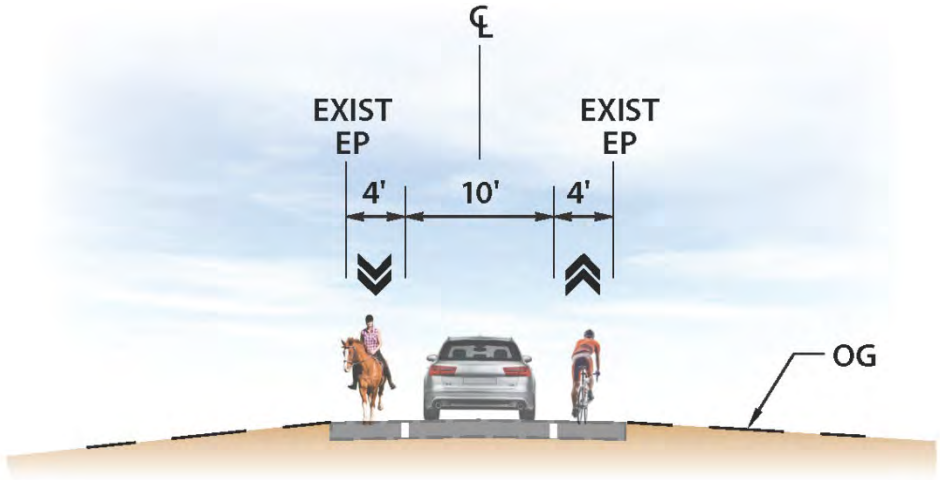


Mad River Rd, Miller Ln, Heindon Rd

Hammond Trail Foot Bridge ⇨ Giuntoli Ln

ADVISORY LANES

Option 1: Reconfigured roadway striping is proposed to create useable shoulders on a roadway that is otherwise too narrow to accommodate bicyclists, pedestrians, and equestrians. The shoulder is delineated by pavement marking and optional pavement color. Motorists may only enter the shoulder when no other users are present and must overtake these users with caution.

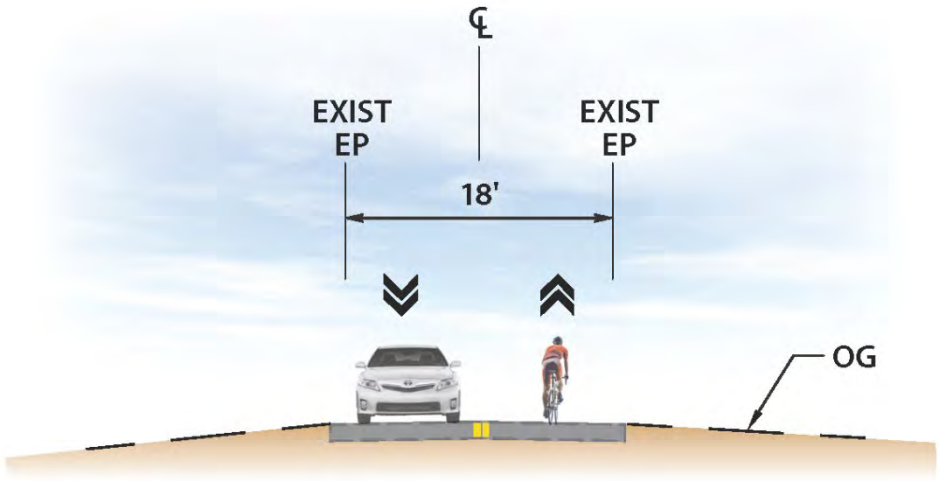


Mad River Rd, Miller Ln, Heindon Rd

Hammond Trail Foot Bridge ⇨ Giuntoli Ln

SHARED LANE MARKINGS

Option 2: Shared Lane Markings (Sharrows) are well suited for streets with low motorized traffic volumes and speeds, designated and designed to give bicycle travel priority. The treatment uses signs, pavement markings, and speed and volume management measures to create safe and convenient paths for travel.

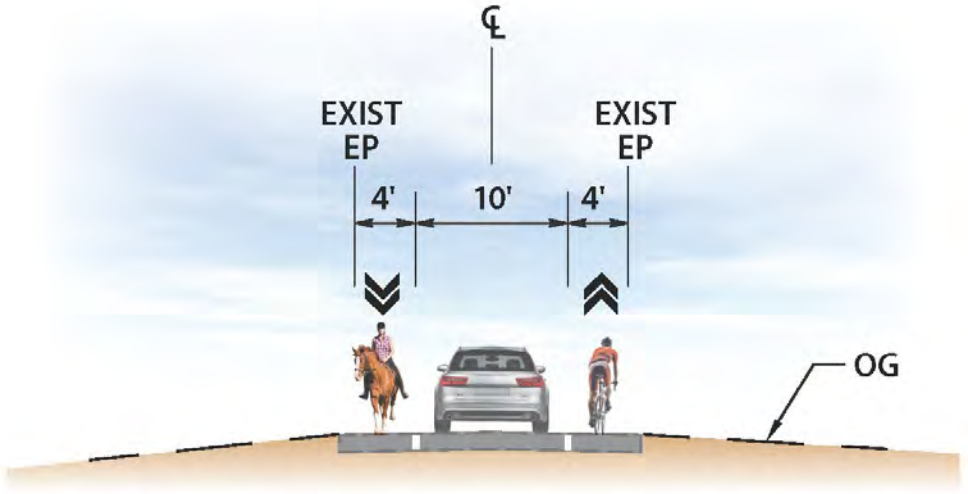


Ocean Drive

Hiller Rd ⇨ School Rd

ADVISORY LANES

Reconfigured roadway striping is proposed to create useable shoulders on a roadway that is otherwise too narrow to accommodate bicyclists, pedestrians, and equestrians. The shoulder is delineated by pavement marking and optional pavement color. Motorists may only enter the shoulder when no other users are present and must overtake these users with caution.



Town Center Corridors

McKinleyville Multimodal Connections Project (MMCP) study area overlaps with the future Town Center Master Plan Development. The two projects present separate but coordinated proposed improvements. The following are subject to the evolution of the Town Center:

McKinleyville Avenue: Railroad Dr ⇨ Hiller Rd

- Enhanced signing, roadway striping, and street crossings.

Railroad Drive: Central Ave ⇨ McKinleyville Ave

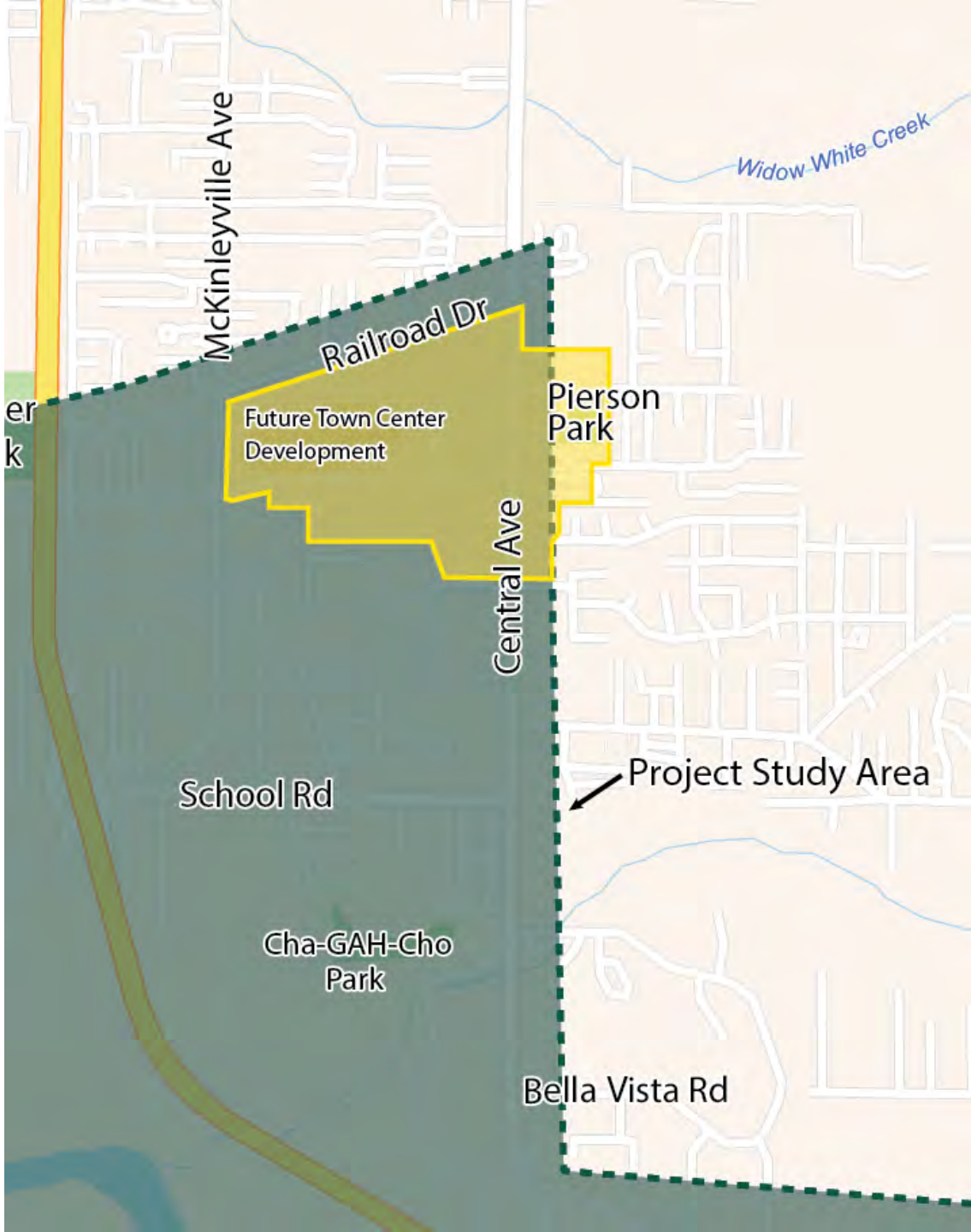
- Shared lane markings and sidewalk gap closure.

Central Avenue: Railroad Dr ⇨ Heartwood Dr

- 1-way cycle track both directions.

Hiller Road: Central Ave ⇨ McKinleyville Ave

- Sidewalk gap closure and 1-way cycle track both directions.



Breakout Sessions for Feedback

Breakout Session Debrief

Recap & Next Steps

- Spring-Summer 2021
  - Project Kickoff
  - Project Task Force Developed
  - Walking Tours
  - Community Meeting 1
- Fall-Winter 2021-2022
  - Photo/Video Submissions
  - Develop Initial Concepts
- Spring-Summer 2022
  - Temporary Pop-up Demonstration Event
  - Community Meeting 2
  - Finalize Concept Designs *Next Step!*
- Fall/Winter 2022
  - Prepare Final Report

Information & Contact

- **Project Website**
  https://bit.ly/mckmultimodalproj

- **Project Contact**
  Carla Avila-Martinez
  cavila@rcaa.org
  (707) 269-2055

Thank You for Your Participation!

McKinleyville Multimodal Connections Project
Community Meeting #2
April 28th, 2022

McKinleyville Multimodal Connections Project

Project Task Force Meeting

June 30th, 2022

Agenda

- Welcome and Introductions
- Recent Outreach and Engagement
  - *April:* Pop-up Demonstration on Hiller Road
  - *April:* Community Meeting #2
  - *May:* Online Public Survey
- Feedback Results
- Central Avenue South Alternatives
- Next Steps

Project Overview

- Spring-Summer 2021
  - Project Kickoff
  - Project Task Force Developed
  - Walking Tours
  - Community Meeting 1
- Fall-Winter 2021-2022
  - Photo/Video Submissions
  - Develop Initial Concepts
- Spring-Summer 2022
  - Temporary Pop-up Demonstration Event
  - Community Meeting 2
  - Refine Concept Designs
- Fall/Winter 2022
  - Prepare Summary Report

We are here!

Pre-Meeting Update: Local Construction

- County led shoulder widening between Turner Rd & Bella Vista Rd.
- Construction is planned between June and August 2022.
- Northbound traffic on Central Avenue remains open during construction.
- Southbound traffic on Central Avenue is closed during construction.
- Southbound Hwy 101 access detoured to School Road during construction.

Recent Outreach and Engagement

Pop-up Demonstration on Hiller Road

Dates: Friday, April 1st and Saturday, April 2nd.

Demonstrated Infrastructure: Parking protected two-way cycle track with a “raised median”.

Activities:

- Travel in the Cycle Track.
- Comment and preference feedback boards.

Popular Key Feedback:

- There is a strong preference for separated bikeways for safe cycling facilities.
- Sidewalks are crucial to increasing connections within McKinleyville for pedestrians especially on Hiller Road, McKinleyville Avenue, Washington Avenue, and School Road.
- Support for traffic calming features at key locations to improve safety for students & other travelers.

Community Meeting #2

Date: Thursday, April 28th

Locations:

- In-person at Azalea Hall
- Online via Virtual Zoom Meeting

Participants:

- 12 in-person; 10 online (total of 22)

Popular Key Feedback:

- Participants were interested in bicycle awareness signage on Class II facilities and paved shoulders.
- Considerable interest in widening shoulders, especially along Central Avenue in the southern half of the project area, and on narrow roadways that are key routes to neighborhoods (Azalea, etc).
- Participants did not support lane reduction (road diet) concept on Central Avenue

McKinleyville Multimodal Connections Project

You're invited to provide feedback on conceptual designs for multimodal transportation improvements in your community! The County of Humboldt was funded by a Caltrans Sustainable Transportation Planning Grant to engage the community to create a plan with concept designs for safe walking and bicycling connectivity between McKinleyville and community destinations to the south around Humboldt Bay. Initial community feedback was used to develop concept designs for transportation improvements in the project area. These designs will be shared at the upcoming Community Meeting. Hope to see you there and hear your thoughts!

Community Meeting #2

The second community meeting will be in person and also available through Zoom. This is a great opportunity to learn more about the project's progress and provide feedback on potential designs.

When: Thursday, April 28th 6:00pm to 7:30pm
Where: In Person Attendance: Azalea Hall (1620 Pickett Road, McKinleyville)
Virtual Attendance: Please visit the project website for the Meeting link

Project website below for the Community Meeting link and more information:

https://bit.ly/mckmultimodalproj

For more information contact Carla at cavila@rcaa.org

Online Public Survey

- **Dates:** May 10th to 24th (2-weeks)
- **Purpose:** Supplement April Workshop Feedback
- **Distribution:**
  - Linked on the project website
  - Distributed to MMCP email list
  - Promoted via local news websites
- **Responses:** 66 in total

New survey released for the McKinleyville Multimodal Connections Project

by Sergio Berruel.a | Wednesday, May 18th 2022

The project area map of the McKinleyville Multimodal Connections Project | Photo courtesy of humboldtgov.org

MCKINLEYVILLE, Calif. — A survey is out for residents in McKinleyville to give their say on the ongoing Multimodal Connections Project, which aims to create safe walking and biking connections between Mad River and Arcata.

The County of Humboldt is partnering with Redwood Community Action Agency to get feedback from residents on how connectivity can be improved between the two communities. Better connections will provide an alternate route for pedestrians and cyclists who have to navigate Highway 101 interchange or travel in the opposite direction to reach the Hammond Trail Bridge in Mad River.

The deadline for all community feedback on the survey is May 31, 2022. In order to participate in the survey, click here.

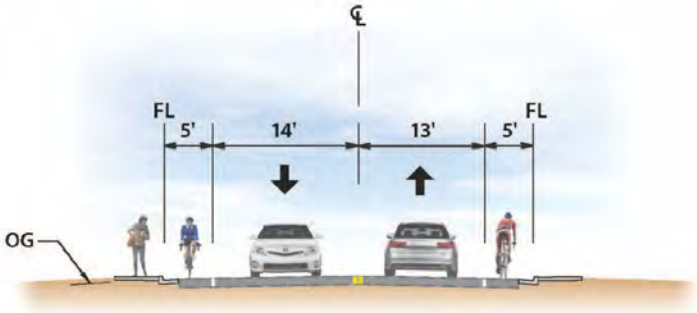
The project also includes plans for a Town Center including mixed-use developments and current recreation areas. Residents can view various concept designs, recordings of meetings discussing the project and maps on the project website.

Workshop Content & Feedback Received

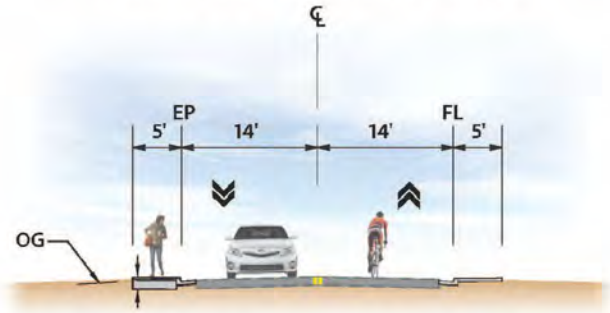
Participation Example

1	2	3	4	5
Strongly Dislike	Somewhat Dislike	Neutral	Somewhat Prefer	Strongly Prefer

Option 1: Class II Bike Lanes



Option 2: Class III Sharrow Route



Option 1: Class II Bike Lanes Skip

2 Somewhat Dislike

1 — 5

Strongly Dislike — Strongly Prefer

Option 2: Class III Sharrow Route Skip

4 Somewhat Prefer

1 — 5

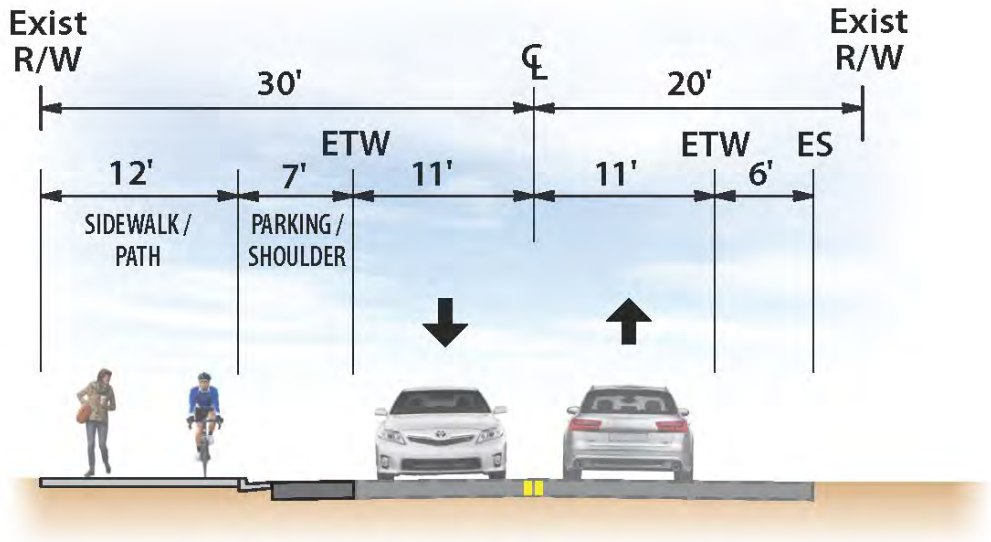
Strongly Dislike — Strongly Prefer

Hiller Road
Fisher Ave ⇨ Hwy 101

SIDEWALK GAP CLOSURE

4.0

A 12-feet wide sidewalk/path gap closure is recommended to minimize right-of-way impacts, maintain shoulders and parking on both sides, and enhance east-west connectivity.

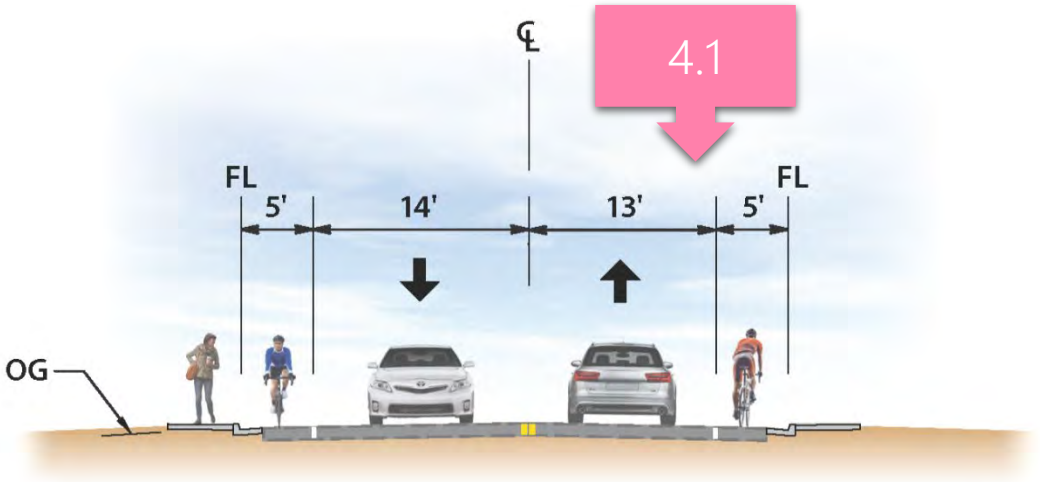


1: Strongly Dislike | 2: Somewhat Dislike | 3: Neutral | 4: Somewhat Prefer | 5: Strongly Prefer

McKinleyville Ave
Hiller Rd ⇨ Chelsea Wy

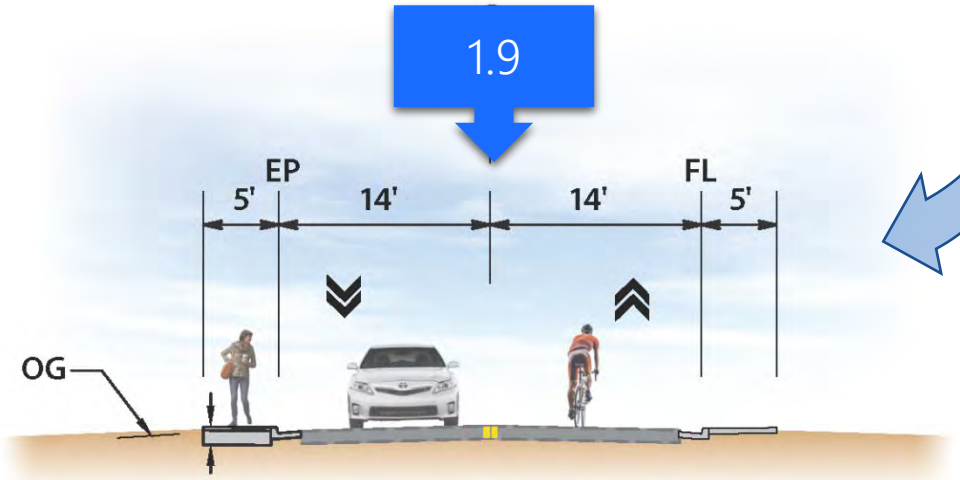
ON-STREET BIKE LANES

Option 1: Class II Bike Lanes. Would require removal of up to 17 on-street parking spaces. Parking use may be limited.



SHARED LANE MARKINGS

Option 2: Shared lane markings where cyclists would mix with motor vehicle traffic in the travel lane.



1: Strongly Dislike | 2: Somewhat Dislike | 3: Neutral | 4: Somewhat Prefer | 5: Strongly Prefer

Washington Ave

McKinleyville Ave ⇨ School Rd

SIDEWALK GAP CLOSURE

3.9

Sidewalk gap closure is proposed in segments on both sides of the roadway throughout the corridor.

ON STREET BIKE LANES

3.8

Option 1: Class II Bike Lanes. Would require removal of up to 47 on-street parking spaces. Parking use may be limited.

SHARED LANE MARKINGS

2.2

Option 2: Shared lane markings where cyclists would mix with motor vehicle traffic in the travel lane.

1: Strongly Dislike | 2: Somewhat Dislike | 3: Neutral | 4: Somewhat Prefer | 5: Strongly Prefer

School Rd

Anderson Ave ⇨ Central Ave

SIDEWALK GAP CLOSURE

4.3

Sidewalk gap closure is proposed between Anderson Avenue and the roundabout at Salmon Avenue.

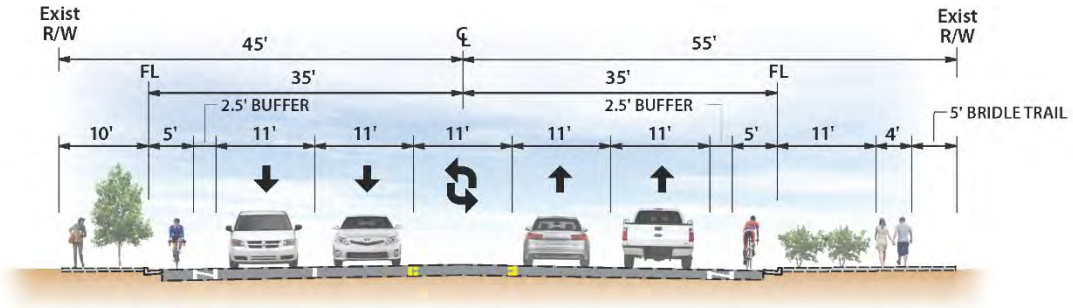
ROUNDABOUT MODIFICATION

3.9

An off-street trail/widened sidewalk is recommended for a modification to the roundabout at Salmon Avenue to allow cycling outside of the circulating roundabout for less confident bicyclists.

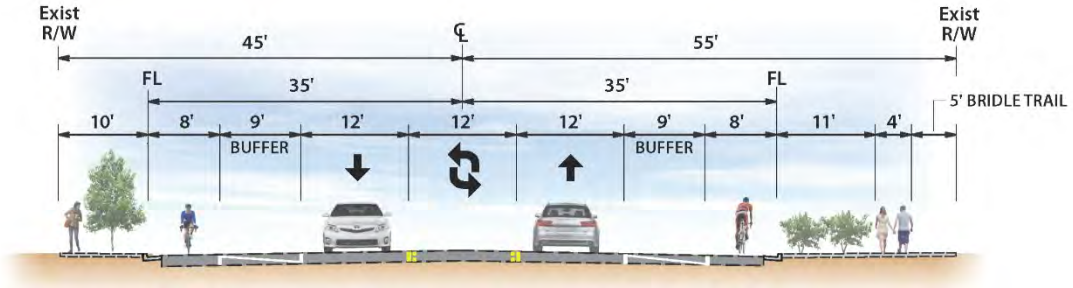
1: Strongly Dislike | 2: Somewhat Dislike | 3: Neutral | 4: Somewhat Prefer | 5: Strongly Prefer

Central Ave Hiller Rd ⇨ Bella Vista Dr



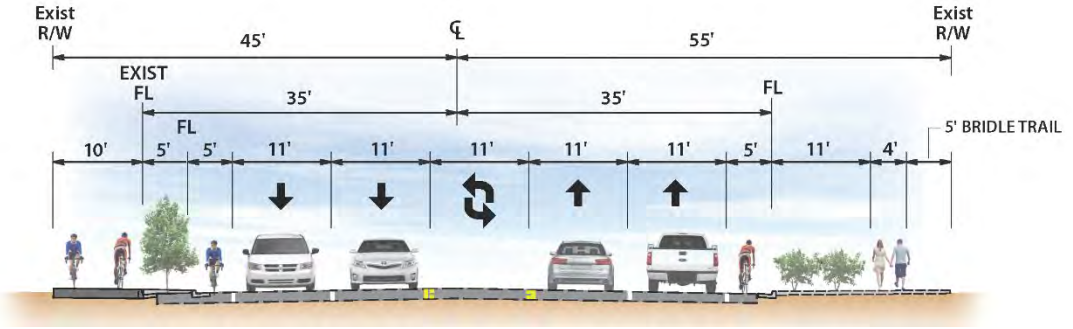
BUFFERED ON-STREET BIKE LANES 3.4

Option 1: Buffered bicycle lanes are considered to increase separation between bicyclists and motor vehicle traffic.



LANE REDUCTION 2.5

Option 2: Motor vehicle lane reduction is considered to provide enhanced separation between people walking and cycling and motor vehicle traffic. The treatment eliminates conflict due to merging lanes and promotes consistency in lane configuration north of Bates Road and South of Anna Sparks Way.



WEST SIDE MULTI-USE TRAIL/WIDENED SIDEWALK TRAIL 3.8

Option 3: A multi-use trail/widened sidewalk trail is considered to provide people walking and cycling a physically separated path for traveling north and south on the west side of Central Avenue.

1: Strongly Dislike | 2: Somewhat Dislike | 3: Neutral | 4: Somewhat Prefer | 5: Strongly Prefer

Central Ave

Interim Improvements

1. Buffer between northbound travel lanes and shoulder/bike lanes where possible. — 4.3
2. Landscaping maintenance to avoid plant overgrowth that reduces useable space. — 3.9
3. Paved path on shoulder between School Rd and Bartow Rd where existing footpath is well-defined. — 4.1
4. Consider roadway restriping to remove the secondary northbound through lane at Central Avenue/Bella Vista Road. — 3.1
5. Shoulder widening south of Henry Lane to provide 4-5-feet effective width. — 4.0
6. Provide RRFB, crosswalk, and other enhancements at Reserve Rd/North Bank Road where crossing activity often occurs. — 4.1

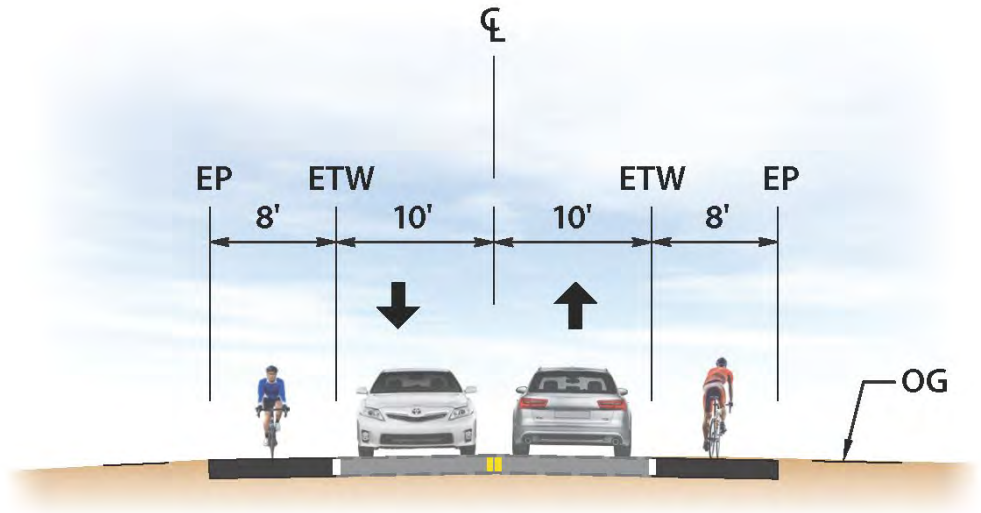
1: Strongly Dislike | 2: Somewhat Dislike | 3: Neutral | 4: Somewhat Prefer | 5: Strongly Prefer

North Bank Rd

Hwy 101 ⇨ Azalea Ave ⇨ SR 299

SHOULDER WIDENING ← 4.4

Shoulder widening is proposed to provide space for bicyclists and pedestrians to Azalea Ave. A phase 2 project could extend the improvements east to State Route 299.



1: Strongly Dislike | 2: Somewhat Dislike | 3: Neutral | 4: Somewhat Prefer | 5: Strongly Prefer

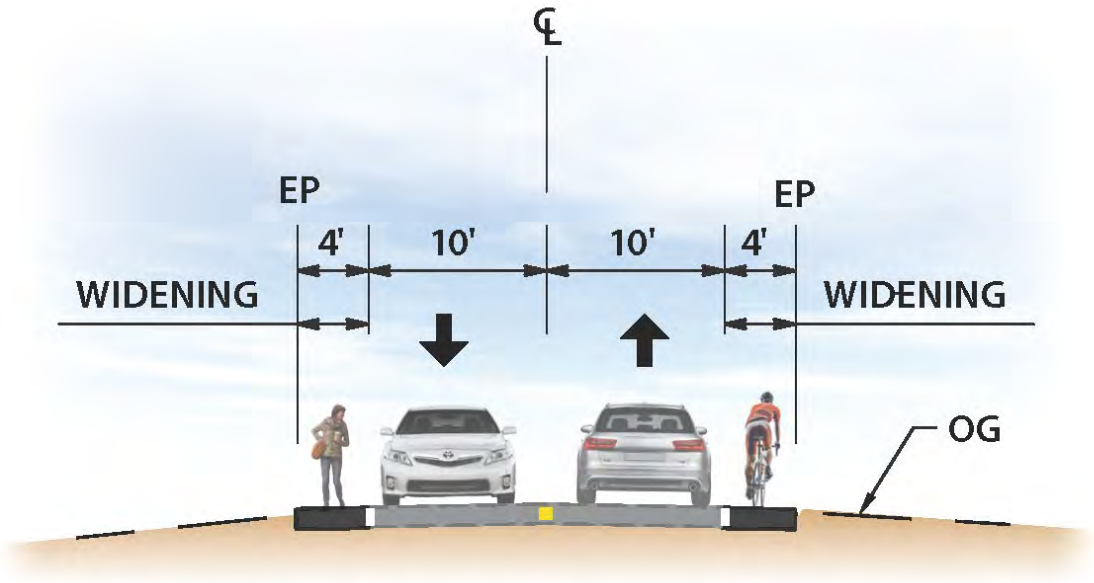
Azalea Ave

North Bank Rd ⇨ Hewitt Rd

SHOULDER WIDENING

4.2

Shoulder widening is proposed where the roadway descends and features curves to provide space for bicyclists and pedestrians.



1: Strongly Dislike | 2: Somewhat Dislike | 3: Neutral | 4: Somewhat Prefer | 5: Strongly Prefer

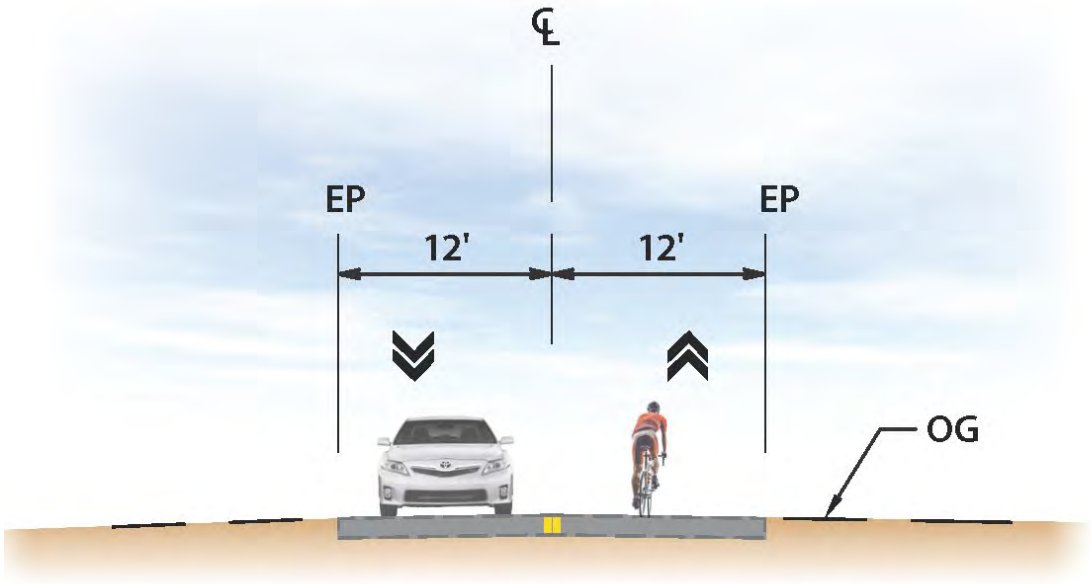
Azalea Ave

Hewitt Rd ⇨ Cochran Rd

SHARED LANE MARKINGS

3.4

Shared lane markings are proposed where the roadway is mostly flat and without curves.



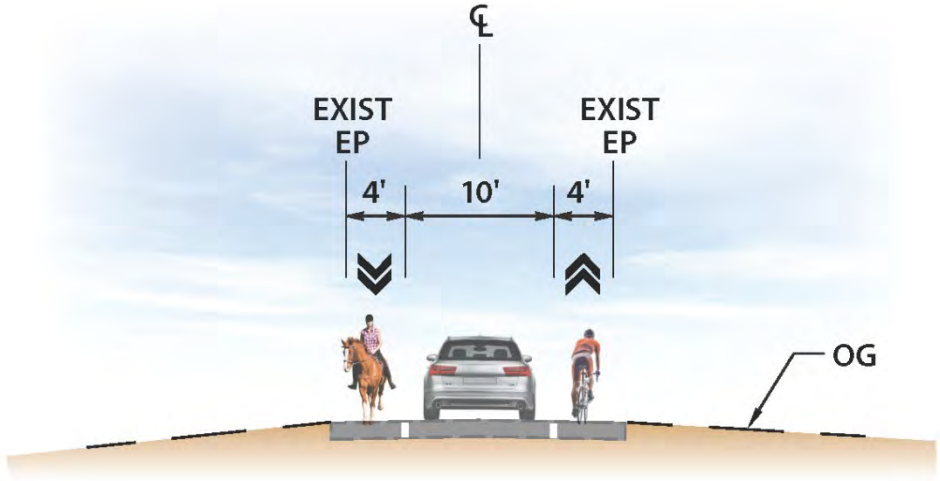
1: Strongly Dislike | 2: Somewhat Dislike | 3: Neutral | 4: Somewhat Prefer | 5: Strongly Prefer

Mad River Rd, Miller Ln, Heindon Rd

Hammond Trail Foot Bridge ⇨ Giuntoli Ln

ADVISORY LANES ← 3.5

Option 1: Reconfigured roadway striping is proposed to create useable shoulders on a roadway that is otherwise too narrow to accommodate bicyclists, pedestrians, and equestrians. The shoulder is delineated by pavement marking and optional pavement color. Motorists may only enter the shoulder when no other users are present and must overtake these users with caution.



1: Strongly Dislike | 2: Somewhat Dislike | 3: Neutral | 4: Somewhat Prefer | 5: Strongly Prefer

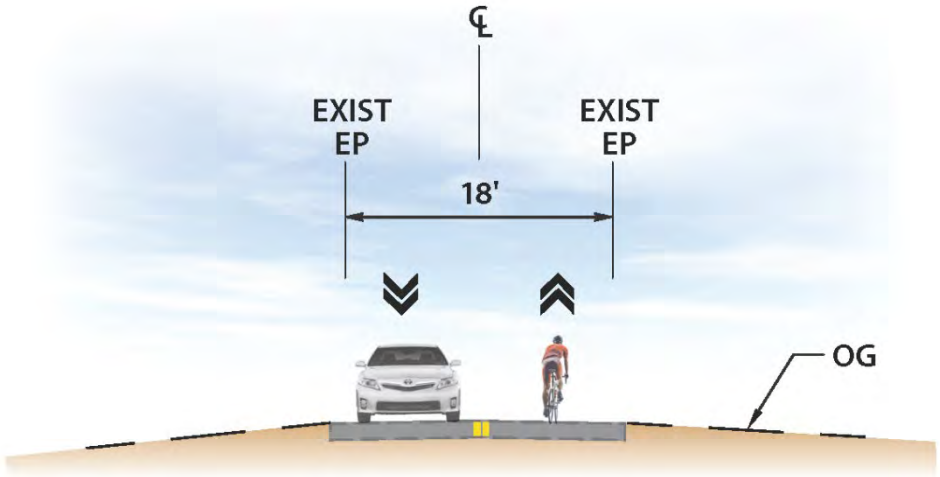
Mad River Rd, Miller Ln, Heindon Rd

Hammond Trail Foot Bridge ⇨ Giuntoli Ln

SHARED LANE MARKINGS

3.0

Option 2: Shared Lane Markings (Sharrows) are well suited for streets with low motorized traffic volumes and speeds, designated and designed to give bicycle travel priority. The treatment uses signs, pavement markings, and speed and volume management measures to create safe and convenient paths for travel.



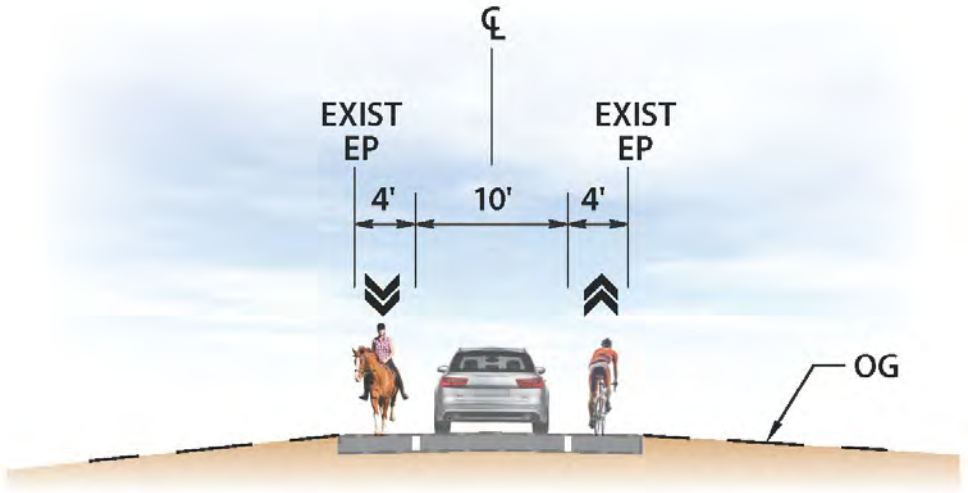
1: Strongly Dislike | 2: Somewhat Dislike | 3: Neutral | 4: Somewhat Prefer | 5: Strongly Prefer

Ocean Drive

Hiller Rd ⇨ School Rd

ADVISORY LANES 3.6

Reconfigured roadway striping is proposed to create useable shoulders on a roadway that is otherwise too narrow to accommodate bicyclists, pedestrians, and equestrians. The shoulder is delineated by pavement marking and optional pavement color. Motorists may only enter the shoulder when no other users are present and must overtake these users with caution.



1: Strongly Dislike | 2: Somewhat Dislike | 3: Neutral | 4: Somewhat Prefer | 5: Strongly Prefer

Town Center Corridors

McKinleyville Multimodal Connections Project (MMCP) study area overlaps with the future Town Center Master Plan Development. The two projects present separate but coordinated proposed improvements. The following are subject to the evolution of the Town Center:

McKinleyville Avenue: Railroad Dr ⇨ Hiller Rd

- Sidewalk gap closure, enhanced signing, roadway striping, and street crossings.

Railroad Drive: Central Ave ⇨ McKinleyville Ave

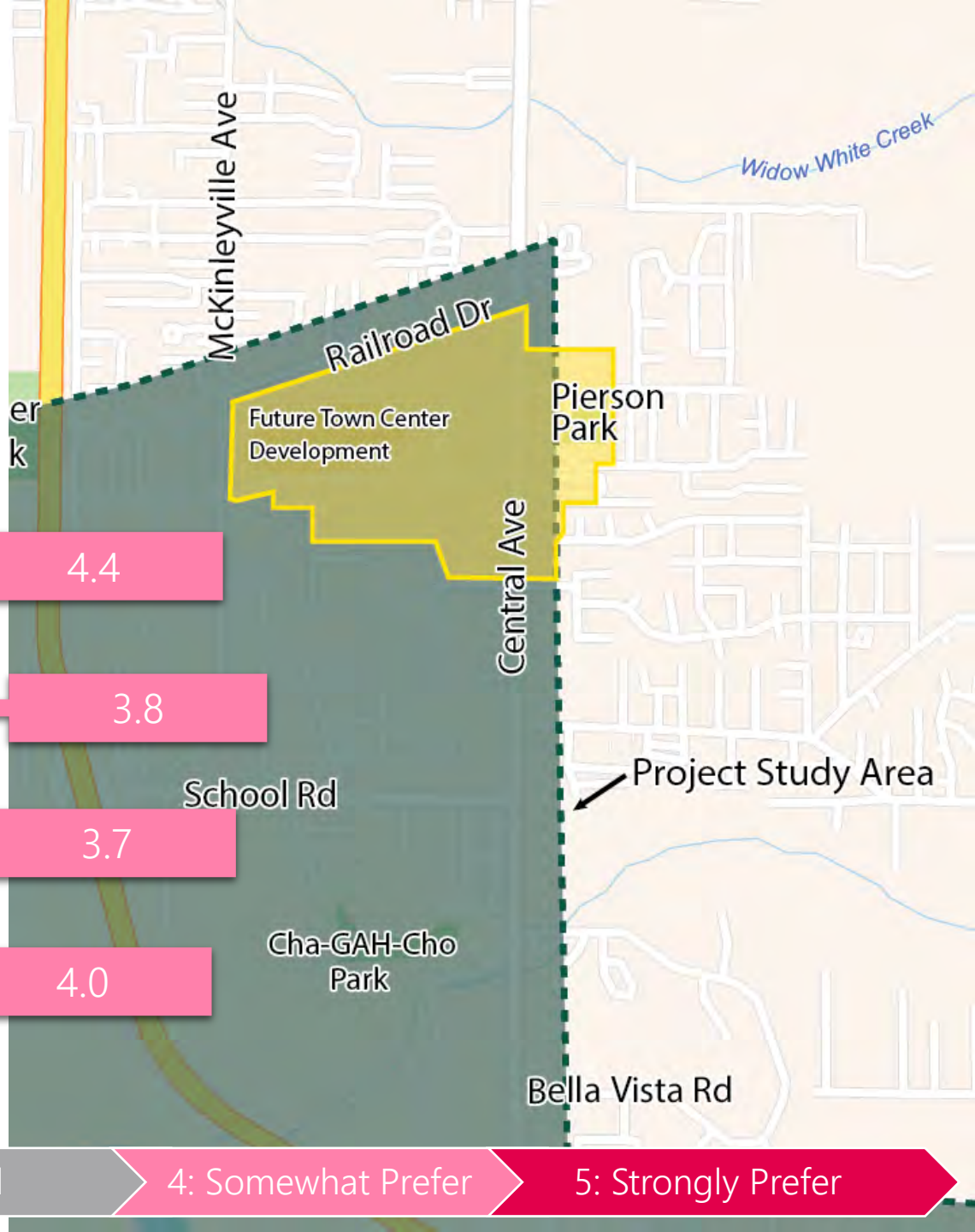
- Shared lane markings and sidewalk gap closure.

Central Avenue: Railroad Dr ⇨ Heartwood Dr

- 1-way cycle track both directions.

Hiller Road: Central Ave ⇨ McKinleyville Ave

- Sidewalk gap closure and 1-way cycle track both directions.



1: Strongly Dislike | 2: Somewhat Dislike | 3: Neutral | 4: Somewhat Prefer | 5: Strongly Prefer

Comments & Questions

- Please provide your comments and questions.
- Are there additional considerations you would like to see?

Evaluating Long-Term Bike & Ped Connections on Central Avenue South of School Road

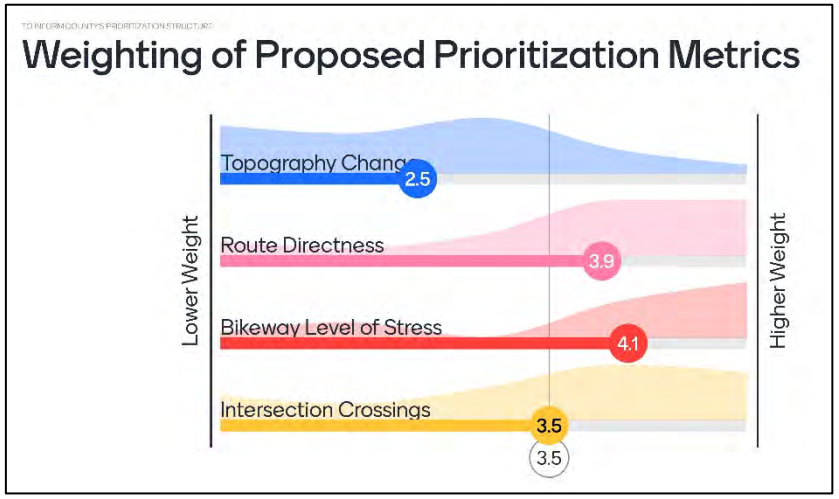
Central Avenue Gap Closure

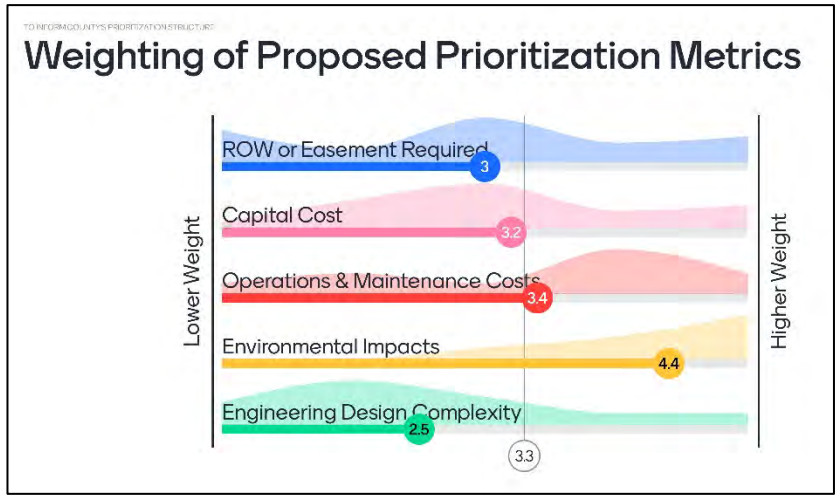
- Gap Closure Needed: Facility for pedestrian and bicycle travel between **Point A** and **Point B**
  - **A** Central Ave/School Rd
  - **B** 101 Mad River Bridge Bike Path

- Crash History 2015-2019
  - 5 Pedestrian-involved collisions
    - 60% resulted in fatalities
    - 20% visible injury
    - 20% complaint of pain
  - 1 Bicycle-involved collision
    - 100% visible injury

Evaluating Long-Term Central Ave Option

In November 2021, the Project Task Force members scored the metrics for ranking Central Ave South alignment alternatives.





Results (1=Lower Priority and 5=Higher Priority)

Metric	PTF Weighted Avg Score
Topography Change	2.5
Route Directness	3.9
Bikeway Level of Stress	4.1
Intersection Crossings	3.5
ROW or Easement Required	3.0
Capital Cost	3.2
Operations and Maintenance	3.4
Environmental Impacts	4.4
Engineering Design Complexity	2.5

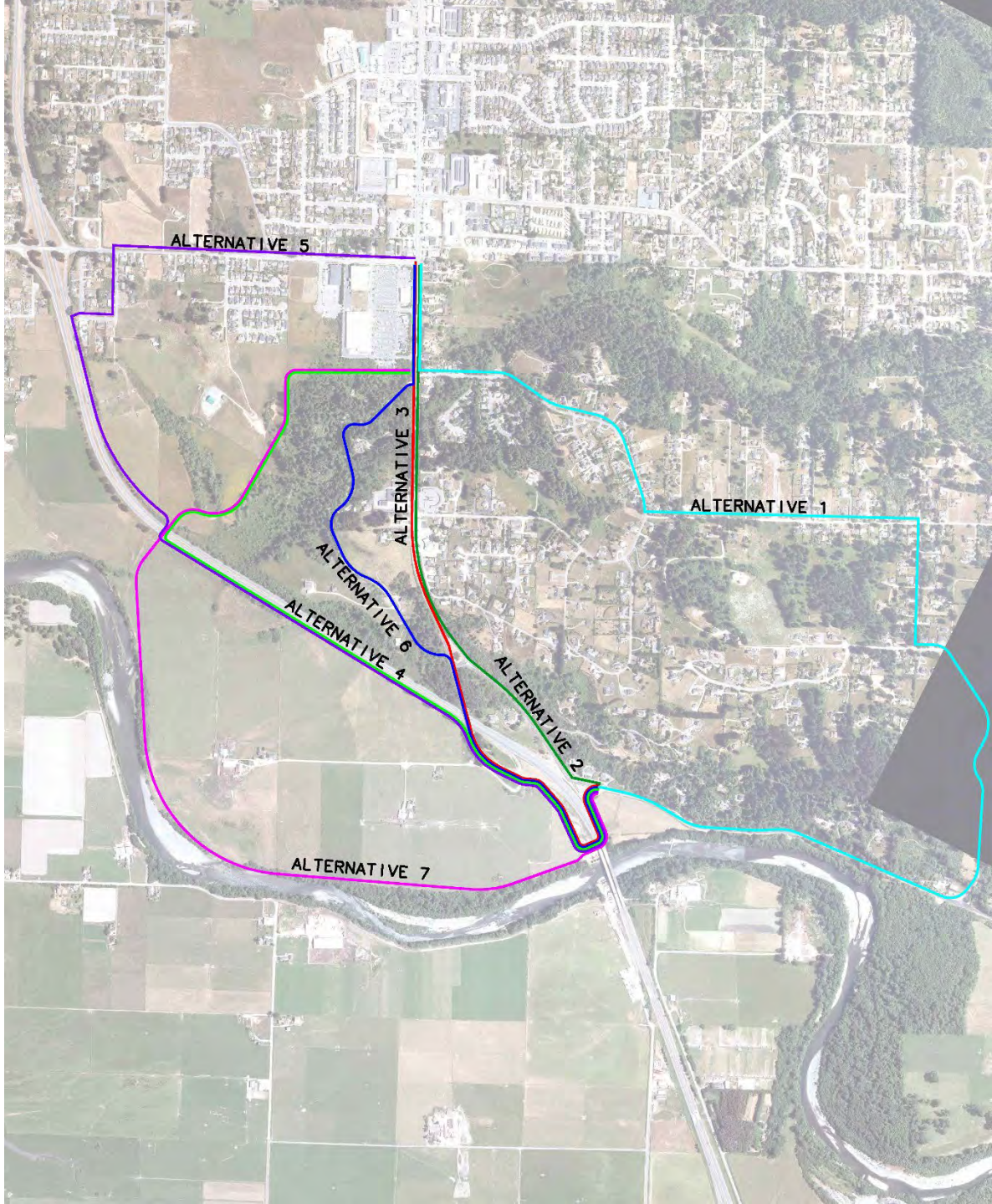
Factors Considered in Metrics

- **Capital Cost**
  - Capital construction costs to build alignment (bridges, asphalt, paths, etc.).
  - Environmental Impacts
    - Potential impacts to environment to construct improvement.
  - Engineering Design Complexity
    - Measure complexity of design plans and challenges to overcome.
- **Bicycle Level of Stress**
  - Review if route is adjacent high volume/high speed traffic or not.
- **Route Directness**
  - Review if out of the way travel is needed; reducing attractiveness of route.
- **Intersection Crossings**
  - Complexity and volume of car traffic that bicycle and pedestrian users need to cross.
- **Operations & Maintenance**
  - Costs for labor and materials to maintain high quality facility.
- **Right-of-Way**
  - Need to secure property rights or easements to advance alignment.
- **Topography Change**
  - Steepness of the route, in which a greater slope would present more burden on bicycle and pedestrian users.

Central Avenue South Alternatives

Revised final weighting:

Metric	Weight	%
Capital Cost	1.7	17%
Bicycle Level of Stress	1.7	17%
Route Directness	1.6	16%
Intersection Crossings	1.4	14%
Operations & Maintenance	1.4	14%
Right of Way / Easements	1.2	12%
Topography	1.0	10%



Central Avenue South Alternatives

Routes assume off-street trail (Class I) facilities unless otherwise noted:

Alternative 1

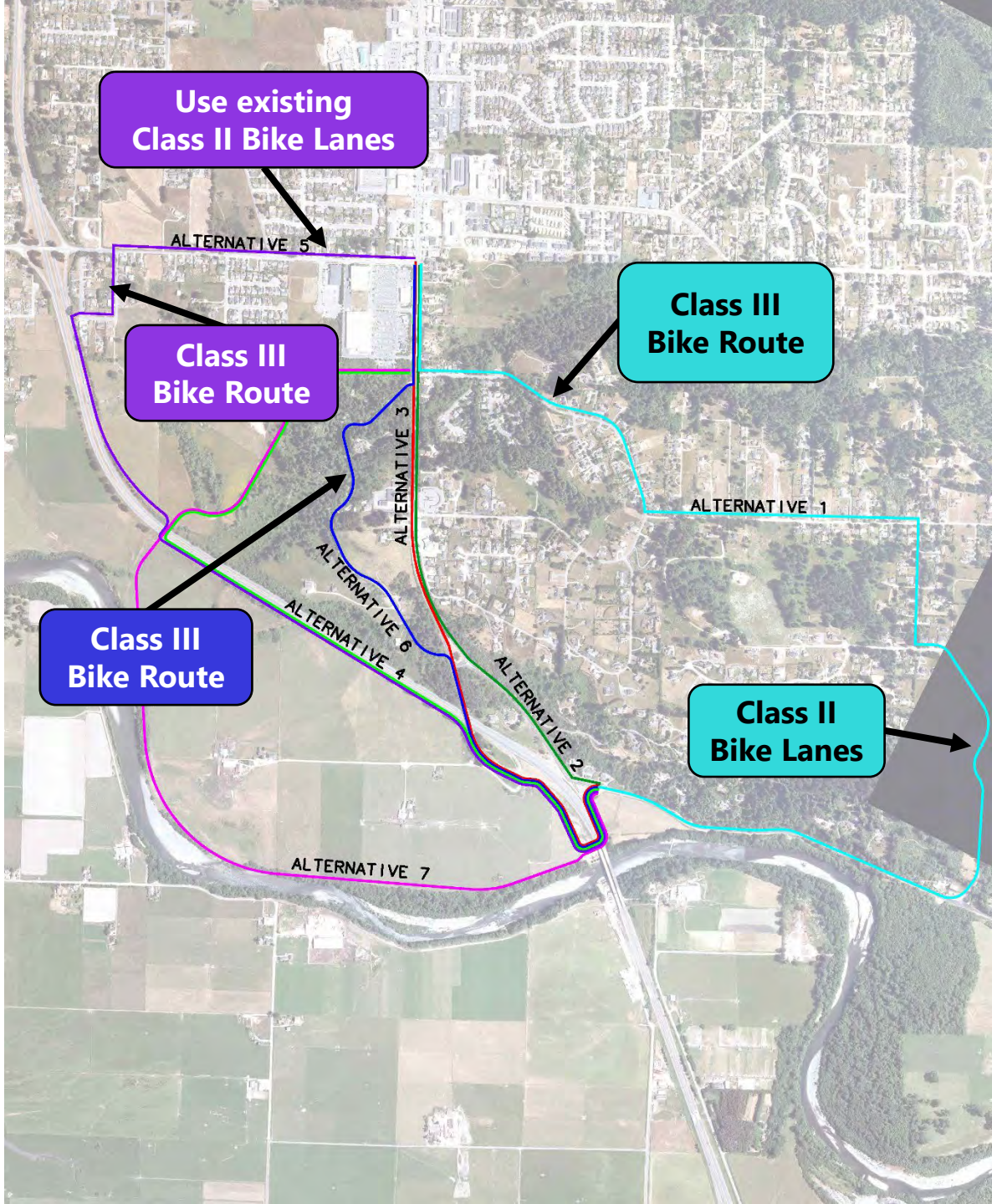
- Bike Lanes (Class II) between North Bank Rd and Hewitt Rd
- Bike Route (Class III) between Hewitt Rd and Central Ave

Alternative 5

- Use existing School Rd bike lanes (Class II)
- Bike Route (Class III) on Salmon Ave & Griffith Rd

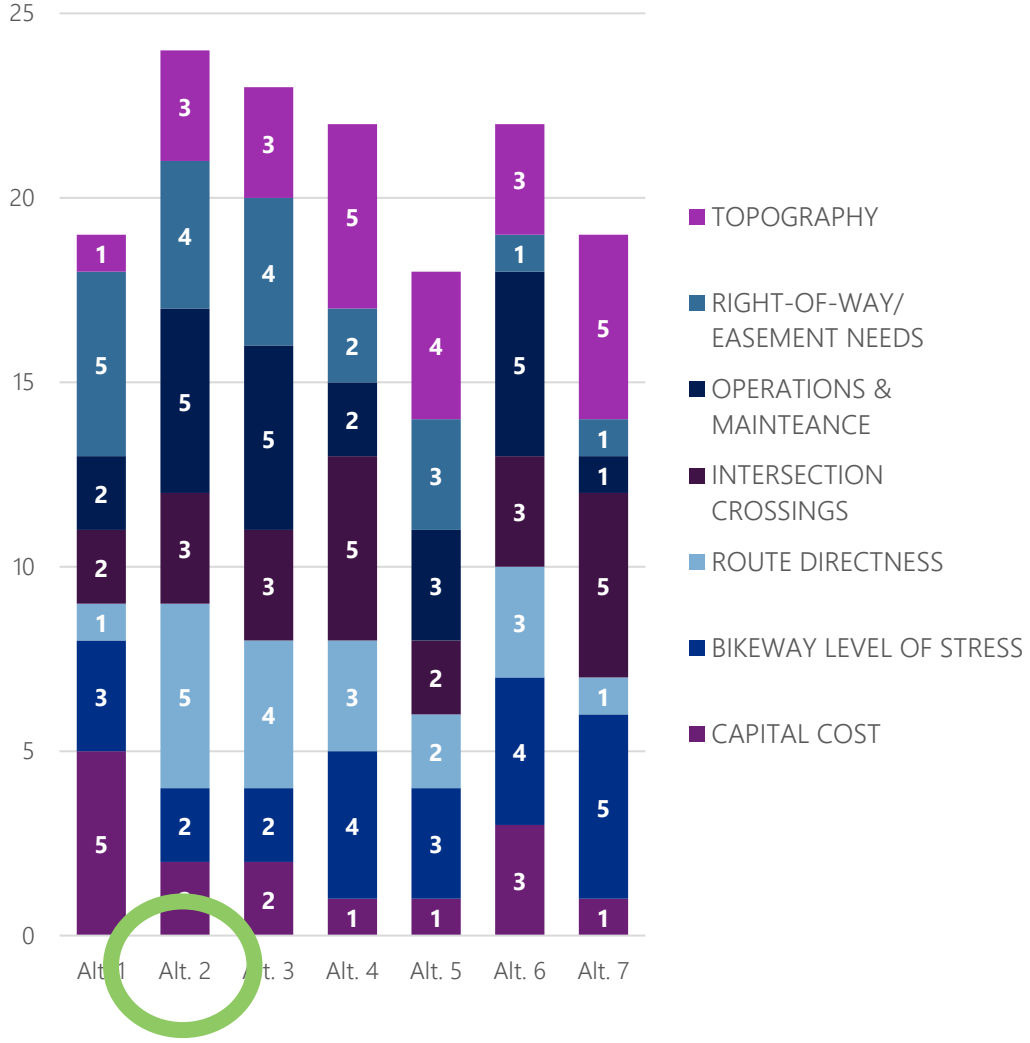
Alternative 6

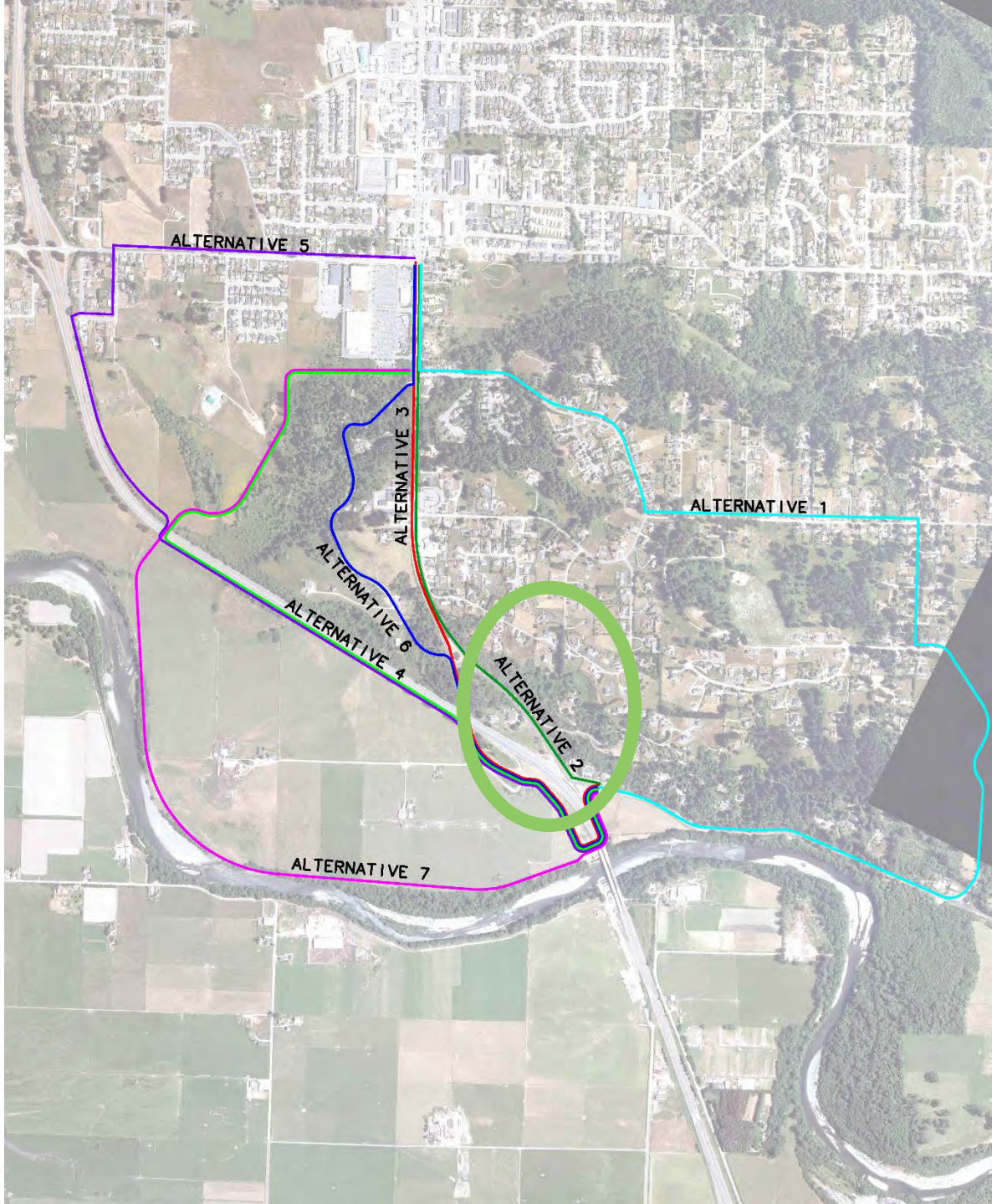
- Bike Route (Class III) on Turner Rd



Central Avenue South Alternatives

Higher scores indicate better performance





Comments & Questions

- Please provide your comments and questions.
- Does this match your expectations?

Information & Contact

- **Project Website**
  https://bit.ly/mckmultimodalproj

- **Project Contact**
  Chris Lohoefener
  chrisl@rcaa.org

Thank You for Your Participation!

McKinleyville Multimodal Connections Project
Project Task Force Meeting
June 30th, 2022

McKinleyville Multimodal Connections Project
Project Task Force (PTF) Meeting Minutes
Wednesday, June 30, 2022 – 2:00 – 3:00 pm

Participants

- Tom Mattson, Humboldt County Public Works
- Kelly Garrett, Community member
- Pat Kaspari, McKinleyville Community Services District
- Stevie Luther, Humboldt County Association of Governments
- Natalie Arroyo, Redwood Community Action Agency
- Paul Martin, Mark Thomas & Associates
- Jae Riddle, Mark Thomas & Associates

1) **Welcome and Introductions –** Brief introductions of participants

2) **Project Overview –** Overview of project history to date, from early 2021 through the present, and where we are in the process. Upcoming steps include synthesizing results of outreach and finalizing recommendations for presentation to the McKinleyville Municipal Advisory Committee and Humboldt County Board of Supervisors in the fall and winter.

3) **Recent Outreach and Engagement recap –**
    a. Pop-up Demonstration, April 2022 – 50+ people participated and experienced the demonstration on Hiller Avenue. Community members expressed interest in protected bike lanes on Central Avenue and elsewhere in the project area to the extent feasible.
    b. Community Workshop, April 2022 (online and in-person at Azalea Hall) – About 30 people participated in these concurrent events, providing input on a variety of project alternatives throughout the project area.
    c. Online Survey, May 2022 – The input tools utilized in the community workshop were used to create an online survey in order to get more input from the community. The results were reviewed in the meeting and are available as slides on subsequent pages.

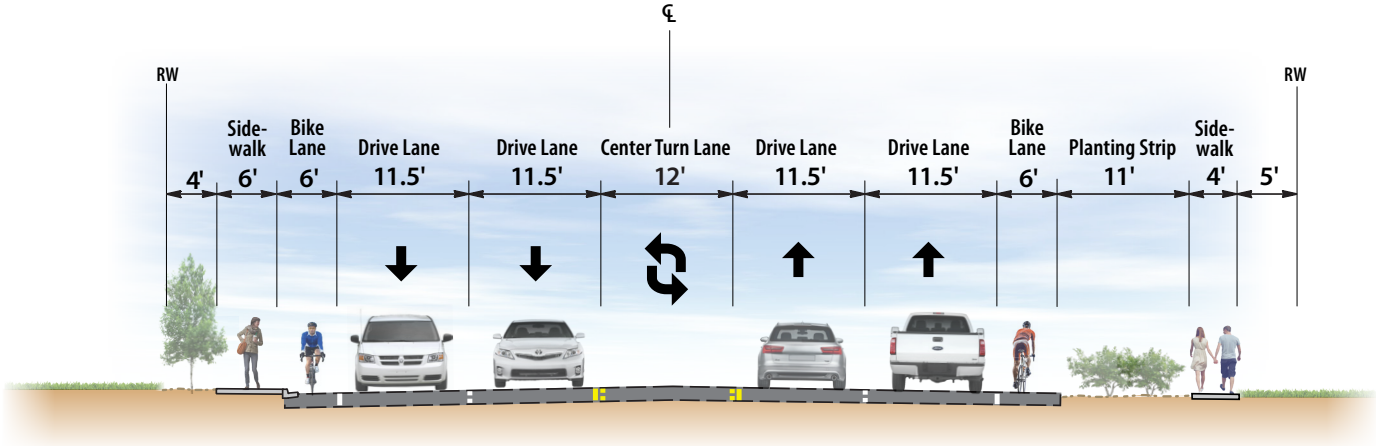
4) **Feedback received –** Jae Riddle provided an overview of the scoring methodology used for both the survey and the online community meeting. Jae Riddle and Paul Martin described each alternative in the project area and its associated ranking on a Likert scale of "strongly dislike" to "strongly prefer". Efforts to close sidewalk gaps, improve visibility, complete interim improvements such widening buffers and crossing improvements, and enhance lane markings were preferred throughout the project area. On Central Ave, the preferred alternatives were those featuring a multi-use trail/ widened sidewalk. Modest improvements such as enhanced roadway markings were viewed as neutral or somewhat preferred, on average. An evaluation of alternatives in the Central Avenue South area (the southern extent of the project area) was also completed, with enhancements to the current alignment of Central Avenue ranking highest.

5) **Next Steps**
    a. Refine concept designs throughout summer 2022
    b. Present information and seek input at McKinleyville Municipal Advisory Committee meeting, August 2022
    c. Prepare and present Summary Report to County of Humboldt, fall-winter 2022

HUMBOLDT COUNTY

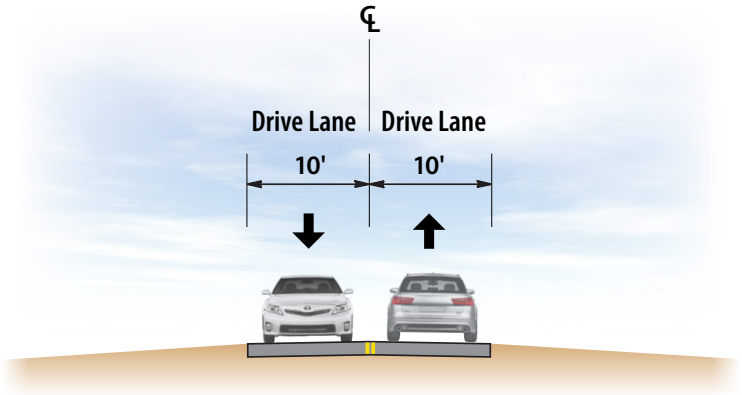
APPENDIX D - Project Area Focus Corridors: Concept Cross Sections

MARK THOMAS



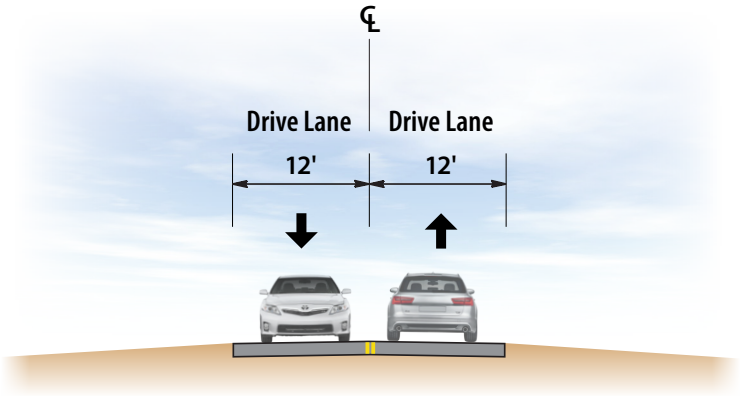
CENTRAL AVENUE - EXISTING

Railroad Drive to School Road



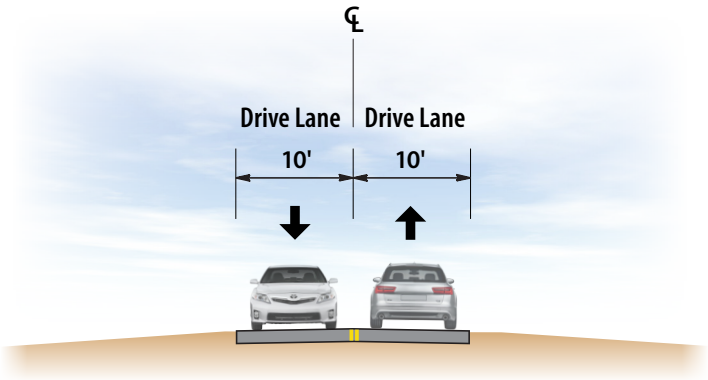
AZALEA AVENUE - EXISTING

N. Bank Road to Hewitt Road



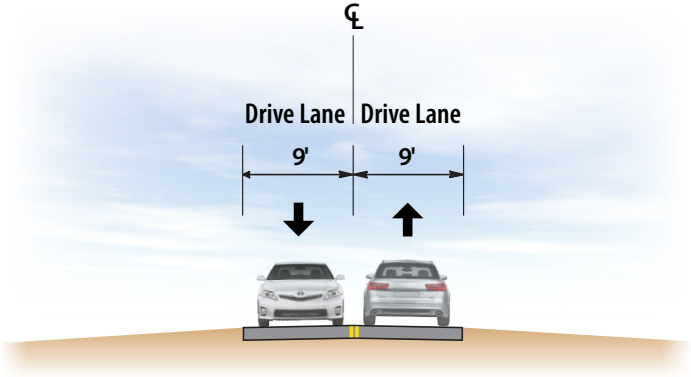
AZALEA AVENUE - EXISTING

Hewitt Road to Cochran Road



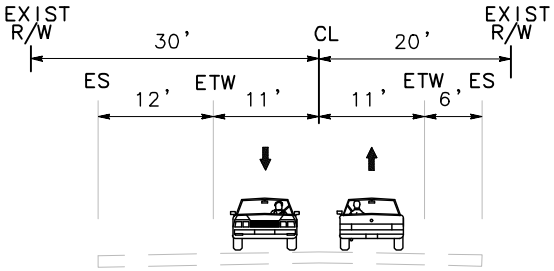
NORTH BANK ROAD - EXISTING

US-101 to SR-299



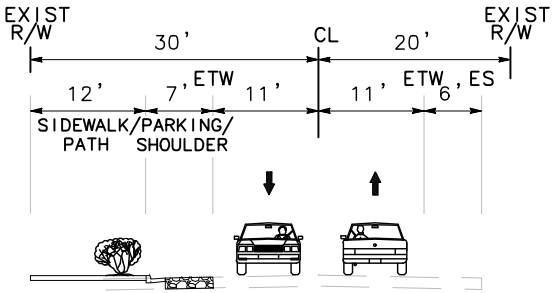
MAD RIVER ROAD - EXISTING

Miller Ln to Heindon Rd • Hammond Trail Bridge to Giuntoli Ln



HILLER ROAD - EXISTING SECTION

FISCHER AVE. TO US-101



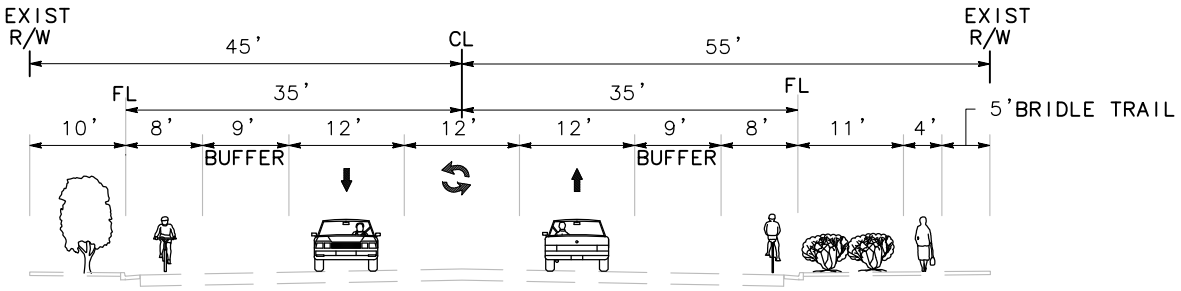
HILLER ROAD - PROPOSED SECTION

FISCHER AVE. TO US-101

MCKINLEYVILLE

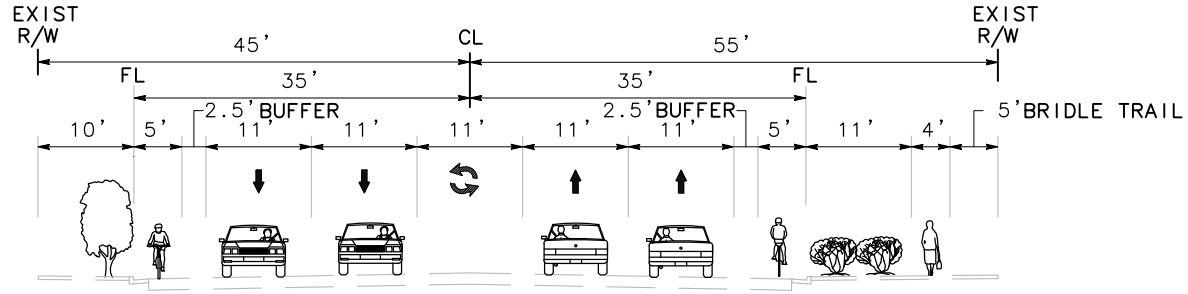
CROSS SECTION OPTIONS

MARK THOMAS



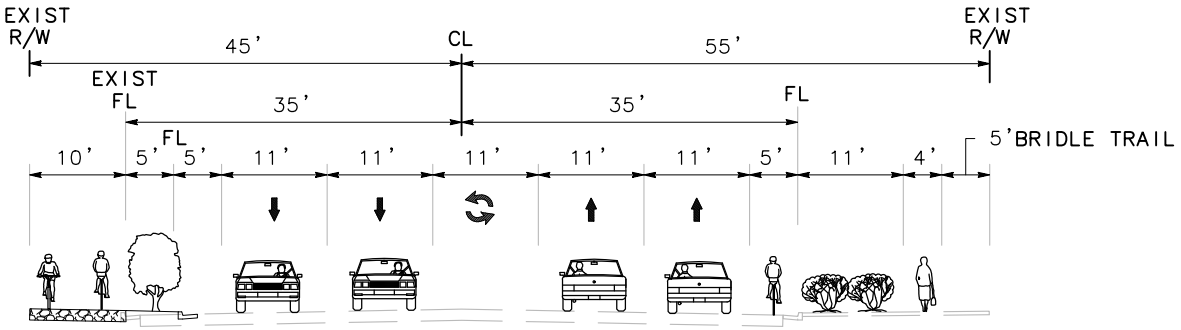
CENTRAL AVENUE - ROAD DIET

RAILROAD DRIVE TO BELLA VISTA



CENTRAL AVENUE - BUFFERED CLASS II BIKE LANES

RAILROAD DRIVE TO BELLA VISTA



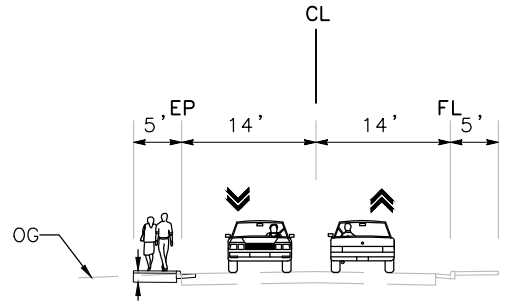
CENTRAL AVENUE - CLASS 1 BIKEWAY

RAILROAD DRIVE TO BELLA VISTA

MCKINLEYVILLE

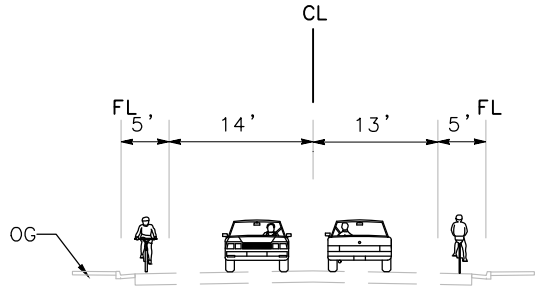
CROSS SECTION OPTIONS

MARK THOMAS



MCKINLEYVILLE AVENUE - SIDEWALK CONTINUITY

HEARTWOOD DRIVE TO IAN LANE



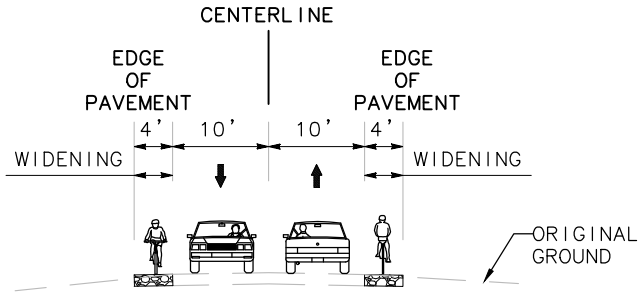
MCKINLEYVILLE AVENUE - CLASS 2 BIKEWAY

HILLER ROAD TO HEARTWOOD DRIVE

MCKINLEYVILLE

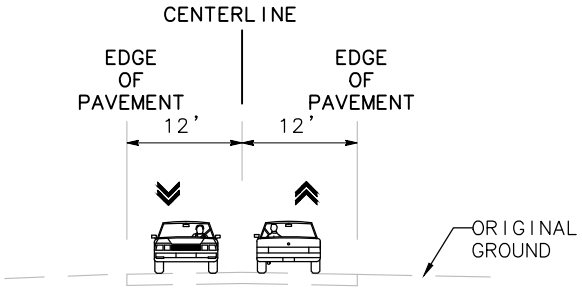
CROSS SECTION OPTIONS

MARK THOMAS



AZALEA AVENUE - WIDENING

N BANK ROAD TO HEWITT ROAD



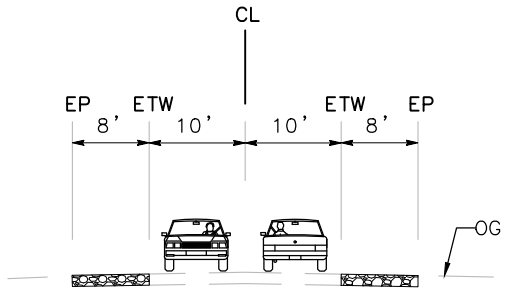
AZALEA AVENUE - CLASS 3 BIKEWAY

HEWITT ROAD TO COCHRAN ROAD

MCKINLEYVILLE

CROSS SECTION OPTIONS

MARK THOMAS



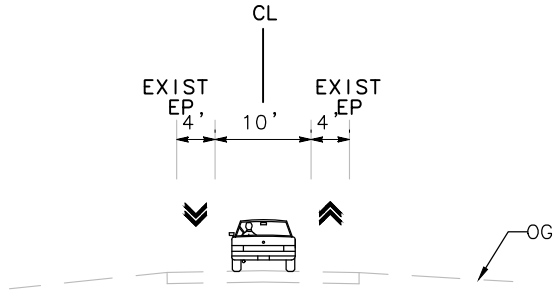
NORTH BANK ROAD - WIDENING

US–101 TO SR–299

MCKINLEYVILLE

CROSS SECTION OPTIONS

MARK THOMAS



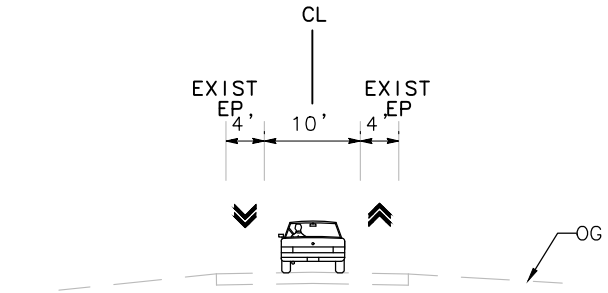
OCEAN DRIVE - ADVISORY LANES

HILLER ROAD TO SCHOOL ROAD

MCKINLEYVILLE

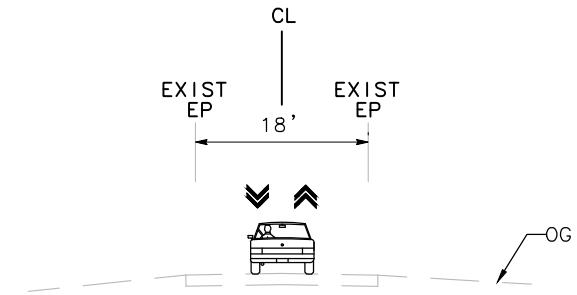
CROSS SECTION OPTIONS

MARK THOMAS



MILLER LANE - ADVISORY LANES

MAD RIVER ROAD TO HEINDON ROAD



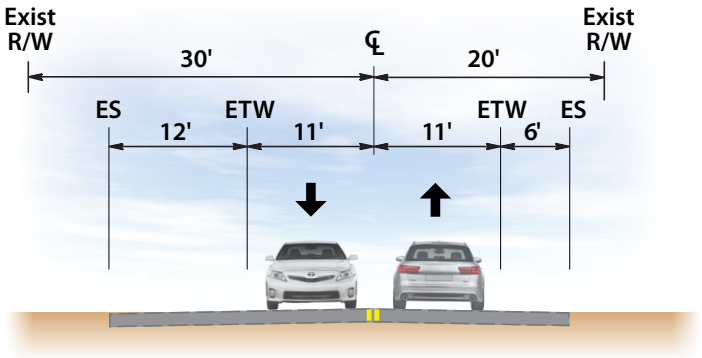
MILLER LANE - SHARROWS

MAD RIVER ROAD TO HEINDON ROAD

MCKINLEYVILLE

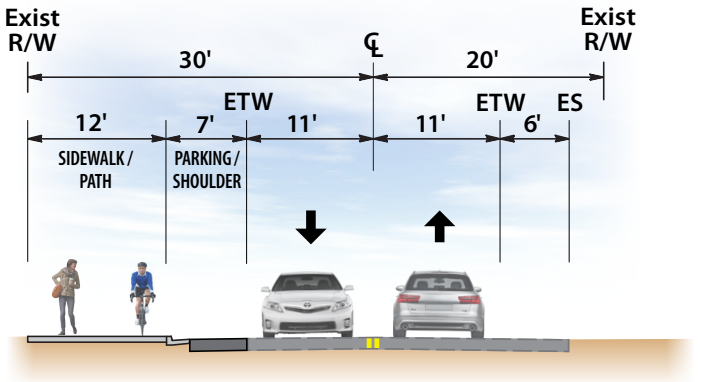
CROSS SECTION OPTIONS

MARK THOMAS



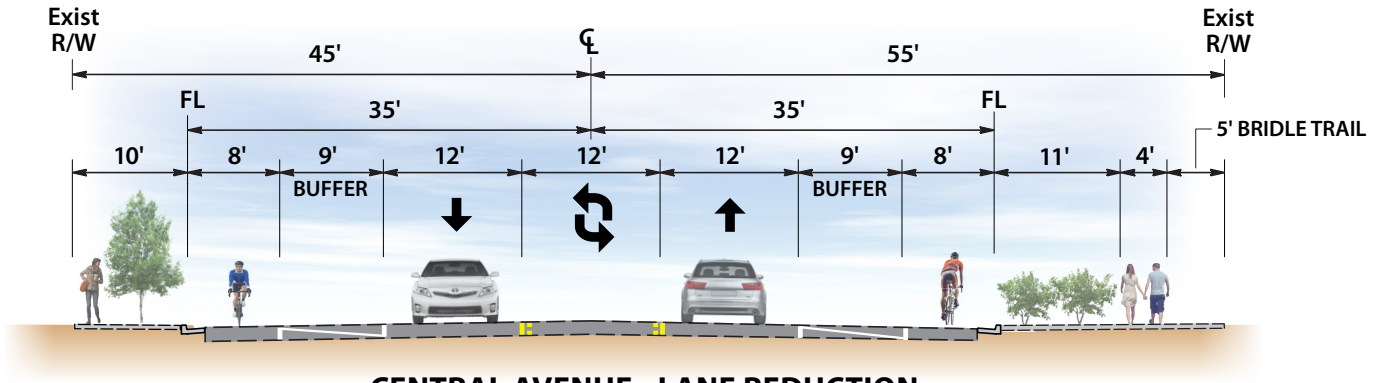
HILLER ROAD - EXISTING SECTION

Fischer Avenue to US-101



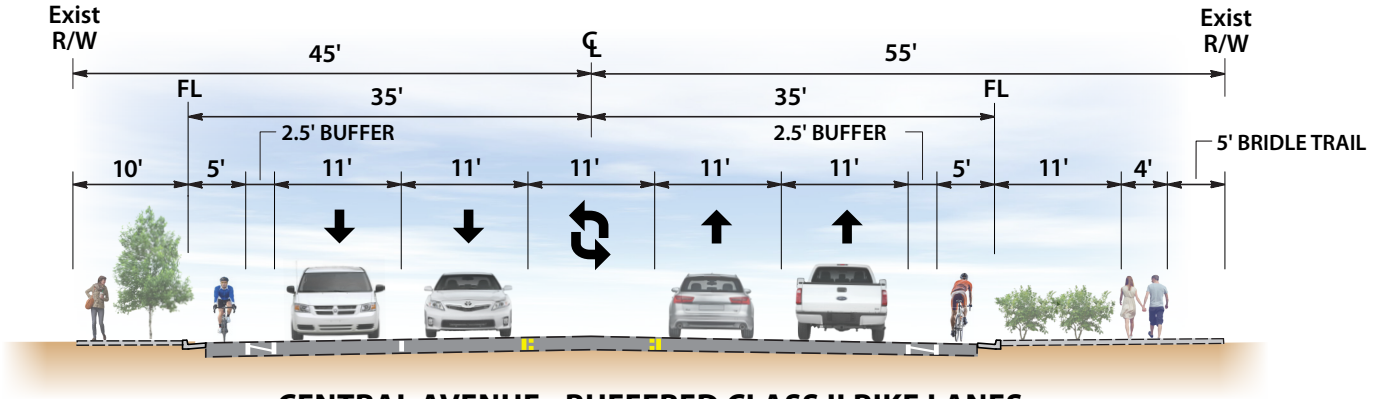
HILLER ROAD - PROPOSED SECTION

Fischer Avenue to US-101



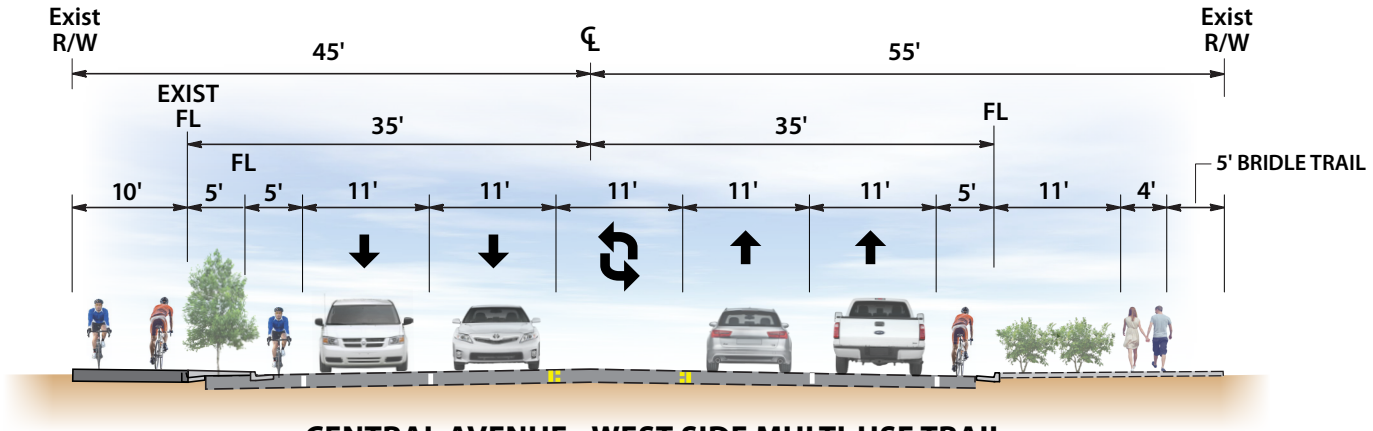
CENTRAL AVENUE - LANE REDUCTION

Railroad Drive to Bella Vista



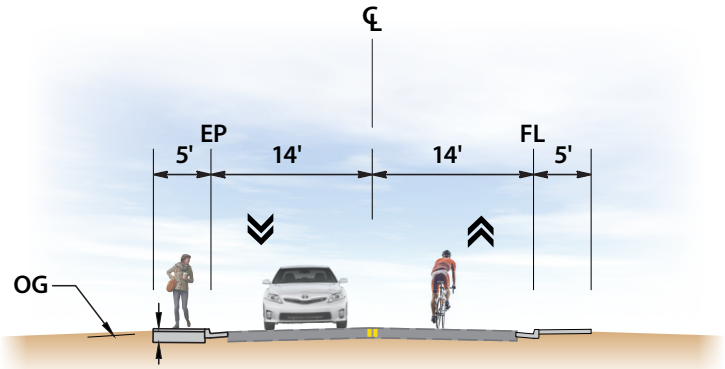
CENTRAL AVENUE - BUFFERED CLASS II BIKE LANES

Railroad Drive to Bella Vista



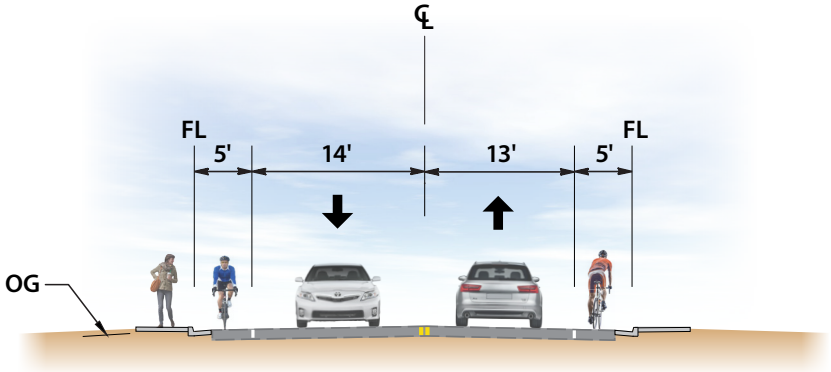
CENTRAL AVENUE - WEST SIDE MULTI-USE TRAIL

Railroad Drive to Bella Vista



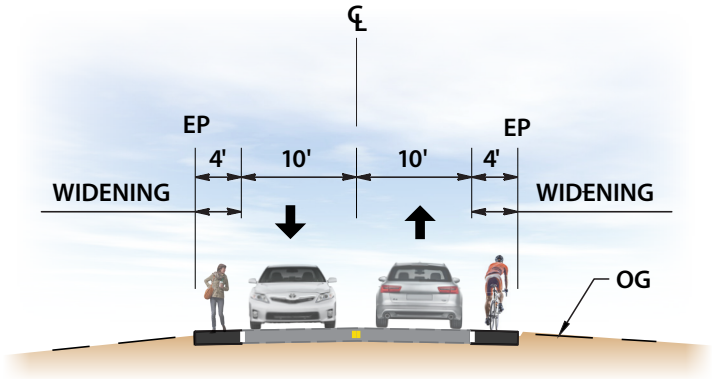
MCKINLEYVILLE AVENUE - SIDEWALK CONTINUITY

Heartwood Drive to Ian Lane



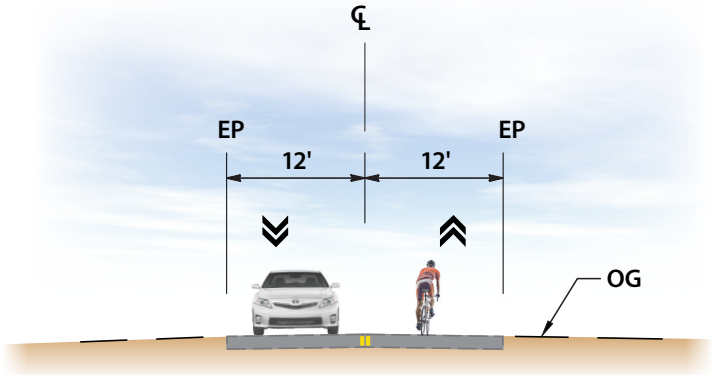
MCKINLEYVILLE AVENUE - CLASS 2 BIKEWAY

Hiller Road to Heartwood Drive



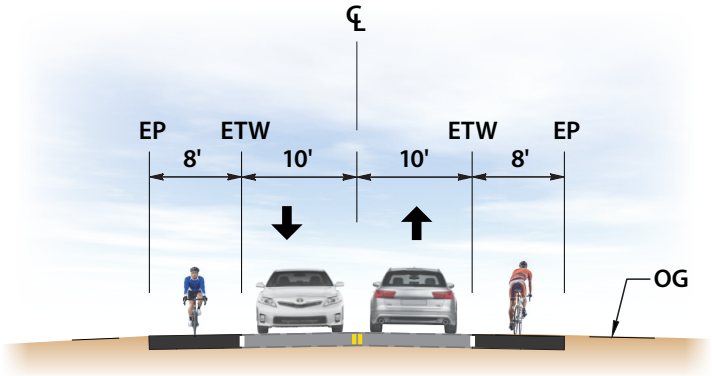
AZALEA AVENUE - WIDENING

N. Bank Road to Hewitt Road



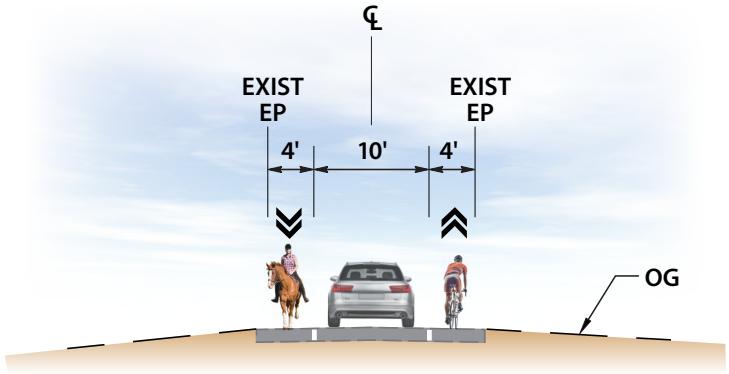
AZALEA AVENUE - CLASS 3 BIKEWAY

Hewitt Road to Cochran Road



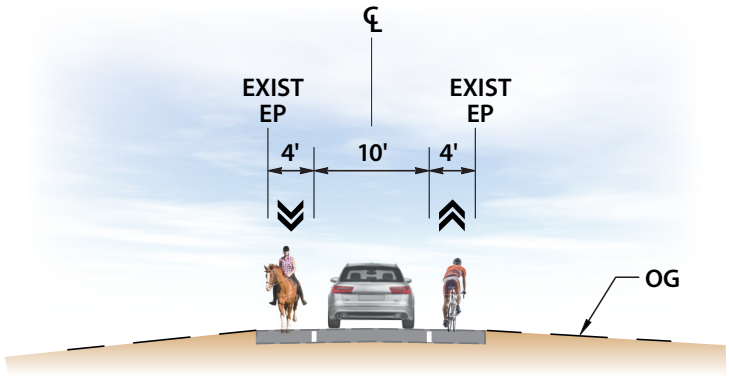
NORTH BANK ROAD - WIDENING

US-101 to SR-299



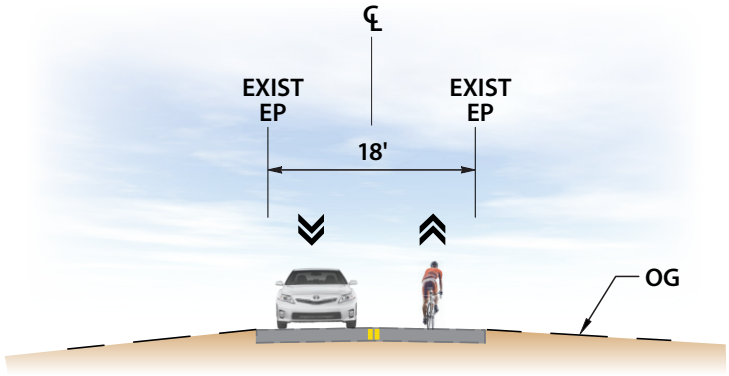
OCEAN DRIVE - ADVISORY LANES

Hiller Road to School Road



MILLER LANE - ADVISORY LANES

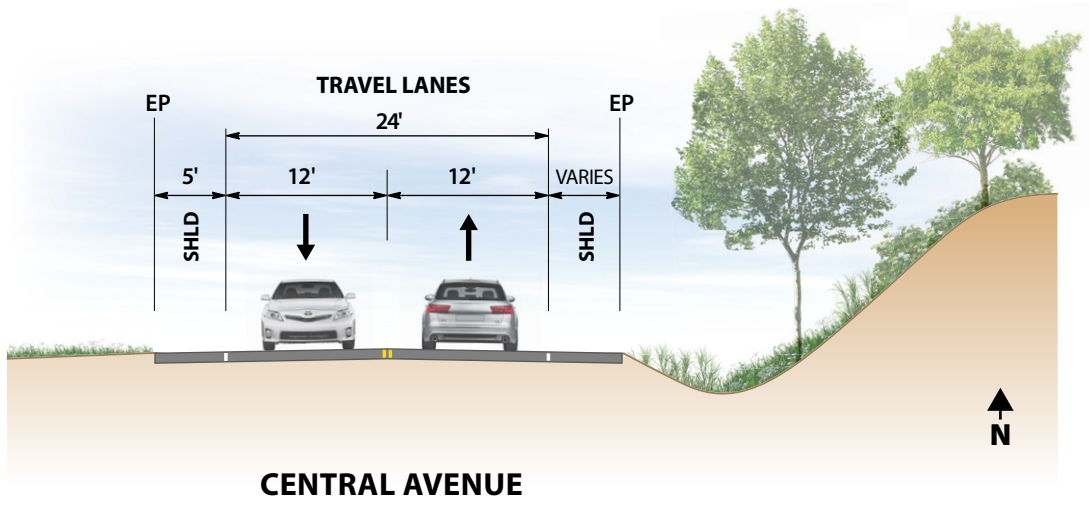
Mad River Road to Heindon Road



MILLER LANE - SHARROWS

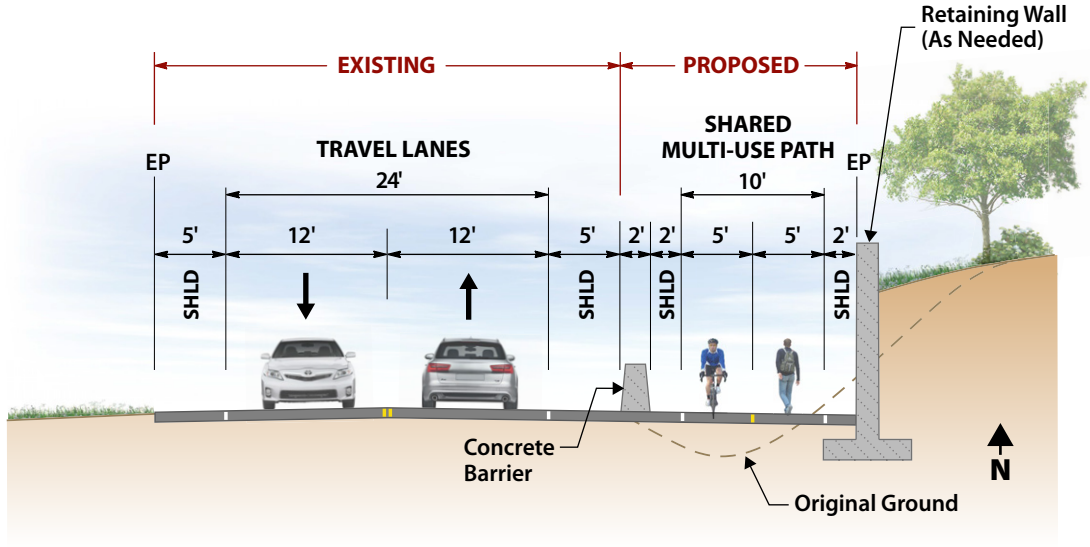
Mad River Road to Heindon Road

BEFORE



CENTRAL AVENUE

AFTER



CENTRAL AVENUE

HUMBOLDT COUNTY

APPENDIX E - Project Area Focus Corridors: Cost Estimates

MARK THOMAS

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Shared Lane Markings		
Project Location:	Azalea Ave, Hewitt Rd to Cochran Rd		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

Project Estimate and Cost Breakdown:

Project Estimate (for Construction Items Only)						Cost Breakdown					
						ATP Eligible Costs/Items		ATP Ineligible Costs/Items		Corps/CCC to construct	
Item No.	Item	Quantity	Units	Unit Cost	Total Item Cost	%	$	%	$	%	$
General Overhead-Related Construction Items											
1	Mobilization	1	LS	$100,000.00	$100,000	100%	$100,000				
2	Traffic Control	1	LS	$50,000.00	$50,000	100%	$50,000				
3	Stormwater Protection Plan	1	LS	$15,000.00	$15,000	100%	$15,000				
4	Job Site Management	1	LS	$5,000.00	$5,000	100%	$5,000				
5	Construction Area Signs	1	LS	$10,000.00	$10,000	100%	$10,000				
6			LS					100%			
7			LS					100%			
8			LS					100%			
9			LS					100%			
10			LS					100%			
General Construction Items											
11	Striping and Pavement Markings	1	LS	$5,000.00	$5,000	100%	$5,000				
12	Signage	1	LS	$5,000.00	$5,000	100%	$5,000				
13								100%			
14								100%			
15								100%			
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				Subtotal of Construction Items:	**$190,000**		**$190,000**				
	Construction Item Contingencies (% of Construction Items):			**30.00%**	$57,000		$57,000				
	Total (Construction Items & Contingencies) cost:				**$247,000**		**$247,000**				

Project Delivery Costs:

Type of Project Cost	Cost $

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Shared Lane Markings		
Project Location:	Azalea Ave, Hewitt Rd to Cochran Rd		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

		ATP Eligible Costs	Non-participating Costs		
Preliminary Engineering (PE)					
Environmental Studies and Permits(PA&ED):	$ 19,000	$19,000			
Plans, Specifications and Estimates (PS&E):	$ 28,500	$28,500		"PE" costs / "CON" costs	
Total PE:	**$ 47,500**	**$47,500**		**19%**	**25% Max**
Right of Way (RW)					
Right of Way Engineering:					
Acquisitions and Utilities:					
Total RW:	**$ -**				
Total Pre-Construction Costs (PE+RW):	**$47,500**	**$47,500**			
Construction Engineering (CE)				"CE" costs / "CON" costs	
Construction Engineering (CE):	$ 19,000	$19,000		**8%**	**15% Max**
Total Construction Costs:	**$266,000**	**$266,000**			
		ATP Eligible Costs	Non-participating Costs		
Total Project Cost:	**$313,500**	**$313,500**			

Documentation of Ineligible (Non-Participating) Costs:

The Engineer's logic and/or calculations for splitting costs between ATP-Eligible and Non-participating costs must be documented in this section of the Estimate form.

Separate logic is required for each item which is partly ineligible for ATP funding or is required for the construction of an ineligible item/element of the project.

Item #:	Description of Engineer's Logic: (See examples shown in the Instructions)

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Shoulder Widening		
Project Location:	Azalea Ave, Hewitt Rd to North Bank		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

Project Estimate and Cost Breakdown:

Project Estimate (for Construction Items Only)						Cost Breakdown					
						ATP Eligible Costs/Items		ATP Ineligible Costs/Items		Corps/CCC to construct	
Item No.	Item	Quantity	Units	Unit Cost	Total Item Cost	%	$	%	$	%	$
General Overhead-Related Construction Items											
1	Mobilization	1	LS	$100,000.00	$100,000	100%	$100,000				
2	Traffic Control	1	LS	$50,000.00	$50,000	100%	$50,000				
3	Stormwater Protection Plan	1	LS	$15,000.00	$15,000	100%	$15,000				
4	Job Site Management	1	LS	$5,000.00	$5,000	100%	$5,000				
5	Construction Area Signs	1	LS	$10,000.00	$10,000	100%	$10,000				
6			LS					100%			
7			LS					100%			
8			LS					100%			
9			LS					100%			
10			LS					100%			
General Construction Items											
11	Place Hot Mix Ashphalt (Type A)	1250	TON	$250.00	$312,500	100%	$312,500				
12	Roadway Excavation	1750	CY	$90.00	$157,500	100%	$157,500				
13	Place Aggregate Base (Class 2)	1350	CY	$100.00	$135,000	100%	$135,000				
14	Retaining Wall (Type 1)	500	CY	$1,250.00	$625,000	100%	$625,000				
15						100%					
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				Subtotal of Construction Items:	**$1,410,000**		**$1,410,000**				
	Construction Item Contingencies (% of Construction Items):			**30.00%**	$423,000		$423,000				
	Total (Construction Items & Contingencies) cost:				**$1,833,000**		**$1,833,000**				

Project Delivery Costs:

Type of Project Cost	Cost $

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Shoulder Widening		
Project Location:	Azalea Ave, Hewitt Rd to North Bank		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

		ATP Eligible Costs	Non-participating Costs		
Preliminary Engineering (PE)					
Environmental Studies and Permits(PA&ED):	$ 750,500	$750,500			
Plans, Specifications and Estimates (PS&E):	$ 1,125,750	$1,125,750		"PE" costs / "CON" costs	
Total PE:	**$ 1,876,250**	**$1,876,250**		102%	25% Max
Right of Way (RW)					
Right of Way Engineering:	$ 100,000	$100,000			
Acquisitions and Utilities:					
Total RW:	**$ 100,000**	**$100,000**			
Total Pre-Construction Costs (PE+RW):	**$1,976,250**	**$1,976,250**			
Construction Engineering (CE)				"CE" costs / "CON" costs	
Construction Engineering (CE):	$ 750,500	$750,500		41%	15% Max
Total Construction Costs:	**$2,583,500**	**$2,583,500**			
		ATP Eligible Costs	Non-participating Costs		
Total Project Cost:	**$4,559,750**	**$4,559,750**			

Documentation of Ineligible (Non-Participating) Costs:

The Engineer's logic and/or calculations for splitting costs between ATP-Eligible and Non-participating costs must be documented in this section of the Estimate form.

Separate logic is required for each item which is partly ineligible for ATP funding or is required for the construction of an ineligible item/element of the project.

Item #:	Description of Engineer's Logic: (See examples shown in the Instructions)

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Restripe for Class II Bikeways		
Project Location:	Central Ave, Hiller Rd to Mill Creek Market Intersection		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

Project Estimate and Cost Breakdown:

Project Estimate (for Construction Items Only)						Cost Breakdown					
						ATP Eligible Costs/Items		ATP Ineligible Costs/Items		Corps/CCC to construct	
Item No.	Item	Quantity	Units	Unit Cost	Total Item Cost	%	$	%	$	%	$
General Overhead-Related Construction Items											
1	Mobilization	1	LS	$100,000.00	$100,000	100%	$100,000				
2	Traffic Control	1	LS	$50,000.00	$50,000	100%	$50,000				
3	Stormwater Protection Plan	1	LS	$15,000.00	$15,000	100%	$15,000				
4	Job Site Management	1	LS	$5,000.00	$5,000	100%	$5,000				
5	Construction Area Signs	1	LS	$10,000.00	$10,000	100%	$10,000				
6			LS					100%			
7			LS					100%			
8			LS					100%			
9			LS					100%			
10			LS					100%			
General Construction Items											
11	Slurry Seal	24000	SY	$5.00	$120,000	100%	$120,000				
12	Striping and Pavement Markings	1	LS	$240,000.00	$240,000	100%	$240,000				
13	Signage	1	LS	$20,000.00	$20,000	100%	$20,000				
14						100%					
15						100%					
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				Subtotal of Construction Items:	**$560,000**		**$560,000**				
	Construction Item Contingencies (% of Construction Items):			**30.00%**	$168,000		$168,000				
	Total (Construction Items & Contingencies) cost:				**$728,000**		**$728,000**				

Project Delivery Costs:

Type of Project Cost	Cost $

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Restripe for Class II Bikeways		
Project Location:	Central Ave, Hiller Rd to Mill Creek Market Intersection		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

		ATP Eligible Costs	Non-participating Costs		
Preliminary Engineering (PE)					
Environmental Studies and Permits(PA&ED):	$ 56,000	$56,000			
Plans, Specifications and Estimates (PS&E):	$ 84,000	$84,000		"PE" costs / "CON" costs	
Total PE:	**$ 140,000**	**$140,000**		19%	25% Max
Right of Way (RW)					
Right of Way Engineering:	$ 100,000	$100,000			
Acquisitions and Utilities:					
Total RW:	**$ 100,000**	**$100,000**			
Total Pre-Construction Costs (PE+RW):	**$240,000**	**$240,000**			
Construction Engineering (CE)				"CE" costs / "CON" costs	
Construction Engineering (CE):	$ 56,000	$56,000		8%	15% Max
Total Construction Costs:	**$784,000**	**$784,000**			
		ATP Eligible Costs	Non-participating Costs		
Total Project Cost:	**$1,024,000**	**$1,024,000**			

Documentation of Ineligible (Non-Participating) Costs:

The Engineer's logic and/or calculations for splitting costs between ATP-Eligible and Non-participating costs must be documented in this section of the Estimate form.

Separate logic is required for each item which is partly ineligible for ATP funding or is required for the construction of an ineligible item/element of the project.

Item #:	Description of Engineer's Logic: (See examples shown in the Instructions)

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Lane Reduction		
Project Location:	Central Ave, Hiller Rd to Mill Creek Market Intersection		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

Project Estimate and Cost Breakdown:

Project Estimate (for Construction Items Only)						Cost Breakdown					
						ATP Eligible Costs/Items		ATP Ineligible Costs/Items		Corps/CCC to construct	
Item No.	Item	Quantity	Units	Unit Cost	Total Item Cost	%	$	%	$	%	$
General Overhead-Related Construction Items											
1	Mobilization	1	LS	$100,000.00	$100,000	100%	$100,000				
2	Traffic Control	1	LS	$50,000.00	$50,000	100%	$50,000				
3	Stormwater Protection Plan	1	LS	$15,000.00	$15,000	100%	$15,000				
4	Job Site Management	1	LS	$5,000.00	$5,000	100%	$5,000				
5	Construction Area Signs	1	LS	$10,000.00	$10,000	100%	$10,000				
6			LS					100%			
7			LS					100%			
8			LS					100%			
9			LS					100%			
10			LS					100%			
General Construction Items											
11	Slurry Seal	24000	SY	$5.00	$120,000	100%	$120,000				
12	Striping and Pavement Markings	1	LS	$240,000.00	$240,000	100%	$240,000				
13	Signage	1	LS	$20,000.00	$20,000	100%	$20,000				
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51								100%			
52								100%			
				Subtotal of Construction Items:	**$560,000**		**$560,000**				
	Construction Item Contingencies (% of Construction Items):			**30.00%**	$168,000		$168,000				
	Total (Construction Items & Contingencies) cost:				**$728,000**		**$728,000**				

Project Delivery Costs:

Type of Project Cost	Cost $

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Lane Reduction		
Project Location:	Central Ave, Hiller Rd to Mill Creek Market Intersection		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

		ATP Eligible Costs	Non-participating Costs	
Preliminary Engineering (PE)				
Environmental Studies and Permits(PA&ED):	$ 56,000	$56,000		
Plans, Specifications and Estimates (PS&E):	$ 84,000	$84,000		"PE" costs / "CON" costs
Total PE:	**$ 140,000**	**$140,000**		19% — **25% Max**
Right of Way (RW)				
Right of Way Engineering:	$ 100,000	$100,000		
Acquisitions and Utilities:				
Total RW:	**$ 100,000**	**$100,000**		
Total Pre-Construction Costs (PE+RW):	**$240,000**	**$240,000**		
Construction Engineering (CE)				"CE" costs / "CON" costs
Construction Engineering (CE):	$ 56,000	$56,000		8% — **15% Max**
Total Construction Costs:	**$784,000**	**$784,000**		
		ATP Eligible Costs	Non-participating Costs	
Total Project Cost:	**$1,024,000**	**$1,024,000**		

Documentation of Ineligible (Non-Participating) Costs:

The Engineer's logic and/or calculations for splitting costs between ATP-Eligible and Non-participating costs must be documented in this section of the Estimate form.

Separate logic is required for each item which is partly ineligible for ATP funding or is required for the construction of an ineligible item/element of the project.

Item #:	Description of Engineer's Logic: (See examples shown in the Instructions)

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Near-Term Improvements		
Project Location:	Central Ave, School Rd to Bella Vista		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

Project Estimate and Cost Breakdown:

Project Estimate (for Construction Items Only)						Cost Breakdown					
						ATP Eligible Costs/Items		ATP Ineligible Costs/Items		Corps/CCC to construct	
Item No.	Item	Quantity	Units	Unit Cost	Total Item Cost	%	$	%	$	%	$
General Overhead-Related Construction Items											
1	Mobilization	1	LS	$100,000.00	$100,000	100%	$100,000				
2	Traffic Control	1	LS	$50,000.00	$50,000	100%	$50,000				
3	Stormwater Protection Plan	1	LS	$15,000.00	$15,000	100%	$15,000				
4	Job Site Management	1	LS	$5,000.00	$5,000	100%	$5,000				
5	Construction Area Signs	1	LS	$10,000.00	$10,000	100%	$10,000				
6			LS					100%			
7			LS					100%			
8			LS					100%			
9			LS					100%			
10			LS					100%			
General Construction Items											
11	Striping and Pavement Markings	1	LS	$15,000.00	$15,000	100%	$15,000				
12	Signage	1	LS	$5,000.00	$5,000	100%	$5,000				
13	Place Hot Mix Ashphalt (Type A)	200	TON	$250.00	$50,000	100%	$50,000				
14	Roadway Excavation	380	CY	$90.00	$34,200	100%	$34,200				
15	Place Aggregate Base (Class 2)	290	CY	$100.00	$29,000	100%	$29,000				
16	Remove Traffic Stripe	1	LS	$5,000.00	$5,000	100%	$5,000				
17	Landscape and Irrigation	4700	SF	$42.00	$197,400	100%	$197,400				
18	RRFB	1	EA	$75,000.00	$75,000	100%	$75,000				
19						100%					
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52								100%			
				Subtotal of Construction Items:	**$590,600**		**$590,600**				
	Construction Item Contingencies (% of Construction Items):			**30.00%**	$177,180		$177,180				
	Total (Construction Items & Contingencies) cost:				**$767,780**		**$767,780**				

Project Delivery Costs:

Type of Project Cost	Cost $

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Near-Term Improvements		
Project Location:	Central Ave, School Rd to Bella Vista		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

		ATP Eligible Costs	Non-participating Costs		
Preliminary Engineering (PE)					
Environmental Studies and Permits(PA&ED):	$ 59,060	$59,060			
Plans, Specifications and Estimates (PS&E):	$ 88,590	$88,590		"PE" costs / "CON" costs	
Total PE:	**$ 147,650**	**$147,650**		19%	25% Max
Right of Way (RW)					
Right of Way Engineering:					
Acquisitions and Utilities:					
Total RW:	**$ -**				
Total Pre-Construction Costs (PE+RW):	**$147,650**	**$147,650**			
Construction Engineering (CE)				"CE" costs / "CON" costs	
Construction Engineering (CE):	$ 59,060	$59,060		8%	15% Max
Total Construction Costs:	**$826,840**	**$826,840**			
		ATP Eligible Costs	Non-participating Costs		
Total Project Cost:	**$974,490**	**$974,490**			

Documentation of Ineligible (Non-Participating) Costs:

The Engineer's logic and/or calculations for splitting costs between ATP-Eligible and Non-participating costs must be documented in this section of the Estimate form.

Separate logic is required for each item which is partly ineligible for ATP funding or is required for the construction of an ineligible item/element of the project.

Item #:	Description of Engineer's Logic: (See examples shown in the Instructions)

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Widen to Implement multi-use trail		
Project Location:	Central Ave, Hiller Rd to Railroad Dr		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

Project Estimate and Cost Breakdown:

Project Estimate (for Construction Items Only)

Item No.	Item	Quantity	Units	Unit Cost	Total Item Cost	Cost Breakdown: ATP Eligible Costs/Items %	ATP Eligible Costs/Items $	ATP Ineligible Costs/Items %	ATP Ineligible Costs/Items $	Corps/CCC to construct %	Corps/CCC to construct $
General Overhead-Related Construction Items											
1	Mobilization	1	LS	$100,000.00	$100,000	100%	$100,000				
2	Traffic Control	1	LS	$50,000.00	$50,000	100%	$50,000				
3	Stormwater Protection Plan	1	LS	$15,000.00	$15,000	100%	$15,000				
4	Job Site Management	1	LS	$5,000.00	$5,000	100%	$5,000				
5	Construction Area Signs	1	LS	$10,000.00	$10,000	100%	$10,000				
6			LS					100%			
7			LS					100%			
8			LS					100%			
9			LS					100%			
10			LS					100%			
General Construction Items											
11	Striping and Pavement Markings	1	LS	$10,000.00	$10,000	100%	$10,000				
12	Signage	1	LS	$5,000.00	$5,000	100%	$5,000				
13	Place Hot Mix Ashphalt (Type A)	410	TON	$250.00	$102,500	100%	$102,500				
14	Install Curb and Gutter	15	CY	$850.00	$12,750	100%	$12,750				
15	PCC Sidewalk	250	CY	$850.00	$212,500	100%	$212,500				
16	Roadway Excavation	1500	CY	$90.00	$135,000	100%	$135,000				
17	Place Aggregate Base (Class 2)	1100	CY	$100.00	$110,000	100%	$110,000				
18	Remove Traffic Stripe	1	LS	$10,000.00	$10,000	100%	$10,000				
19						100%					
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	Subtotal of Construction Items:				**$777,750**		**$777,750**				
	Construction Item Contingencies (% of Construction Items):			**30.00%**	$233,325		$233,325				
	Total (Construction Items & Contingencies) cost:				**$1,011,075**		**$1,011,075**				

Project Delivery Costs:

Type of Project Cost	Cost $

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Widen to Implement multi-use trail		
Project Location:	Central Ave, Hiller Rd to Railroad Dr		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

		ATP Eligible Costs	Non-participating Costs		
Preliminary Engineering (PE)					
Environmental Studies and Permits(PA&ED):	$ 77,775	$77,775			
Plans, Specifications and Estimates (PS&E):	$ 116,663	$116,663		"PE" costs / "CON" costs	
Total PE:	**$ 194,438**	**$194,438**		19%	25% Max
Right of Way (RW)					
Right of Way Engineering:	$ 100,000	$100,000			
Acquisitions and Utilities:					
Total RW:	**$ 100,000**	**$100,000**			
Total Pre-Construction Costs (PE+RW):	**$294,438**	**$294,438**			
Construction Engineering (CE)				"CE" costs / "CON" costs	
Construction Engineering (CE):	$ 77,775	$77,775		8%	15% Max
Total Construction Costs:	**$1,088,850**	**$1,088,850**			
		ATP Eligible Costs	Non-participating Costs		
Total Project Cost:	**$1,383,288**	**$1,383,288**			

Documentation of Ineligible (Non-Participating) Costs:

The Engineer's logic and/or calculations for splitting costs between ATP-Eligible and Non-participating costs must be documented in this section of the Estimate form.

Separate logic is required for each item which is partly ineligible for ATP funding or is required for the construction of an ineligible item/element of the project.

Item #:	Description of Engineer's Logic: (See examples shown in the Instructions)

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Widen to Implement multi-use trail		
Project Location:	Central Ave, Hiller Rd to School Rd		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

Project Estimate and Cost Breakdown:

Project Estimate (for Construction Items Only)

Item No.	Item	Quantity	Units	Unit Cost	Total Item Cost	Cost Breakdown: ATP Eligible Costs/Items %	ATP Eligible Costs/Items $	ATP Ineligible Costs/Items %	ATP Ineligible Costs/Items $	Corps/CCC to construct %	Corps/CCC to construct $
General Overhead-Related Construction Items											
1	Mobilization	1	LS	$100,000.00	$100,000	100%	$100,000				
2	Traffic Control	1	LS	$50,000.00	$50,000	100%	$50,000				
3	Stormwater Protection Plan	1	LS	$15,000.00	$15,000	100%	$15,000				
4	Job Site Management	1	LS	$5,000.00	$5,000	100%	$5,000				
5	Construction Area Signs	1	LS	$10,000.00	$10,000	100%	$10,000				
6			LS					100%			
7			LS					100%			
8			LS					100%			
9			LS					100%			
10			LS					100%			
General Construction Items											
11	Striping and Pavement Markings	1	LS	$45,000.00	$45,000	100%	$45,000				
12	Signage	1	LS	$10,000.00	$10,000	100%	$10,000				
13	Place Hot Mix Ashphalt (Type A)	860	TON	$250.00	$215,000	100%	$215,000				
14	Install Curb and Gutter	150	CY	$850.00	$127,500	100%	$127,500				
15	PCC Sidewalk	350	CY	$850.00	$297,500	100%	$297,500				
16	Roadway Excavation	3200	CY	$90.00	$288,000	100%	$288,000				
17	Place Aggregate Base (Class 2)	2300	CY	$100.00	$230,000	100%	$230,000				
18	Remove Traffic Stripe	1	LS	$45,000.00	$45,000	100%	$45,000				
19						100%					
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	Subtotal of Construction Items:				**$1,438,000**		**$1,438,000**				
	Construction Item Contingencies (% of Construction Items):			**30.00%**	$431,400		$431,400				
	Total (Construction Items & Contingencies) cost:				**$1,869,400**		**$1,869,400**				

Project Delivery Costs:

Type of Project Cost	Cost $

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Widen to Implement multi-use trail		
Project Location:	Central Ave, Hiller Rd to School Rd		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

		ATP Eligible Costs	Non-participating Costs		
Preliminary Engineering (PE)					
Environmental Studies and Permits(PA&ED):	$ 143,800	$143,800			
Plans, Specifications and Estimates (PS&E):	$ 215,700	$215,700		"PE" costs / "CON" costs	
Total PE:	**$ 359,500**	**$359,500**		19%	25% Max
Right of Way (RW)					
Right of Way Engineering:	$ 100,000	$100,000			
Acquisitions and Utilities:					
Total RW:	**$ 100,000**	**$100,000**			
Total Pre-Construction Costs (PE+RW):	**$459,500**	**$459,500**			
Construction Engineering (CE)				"CE" costs / "CON" costs	
Construction Engineering (CE):	$ 143,800	$143,800		8%	15% Max
Total Construction Costs:	**$2,013,200**	**$2,013,200**			
		ATP Eligible Costs	Non-participating Costs		
Total Project Cost:	**$2,472,700**	**$2,472,700**			

Documentation of Ineligible (Non-Participating) Costs:

The Engineer's logic and/or calculations for splitting costs between ATP-Eligible and Non-participating costs must be documented in this section of the Estimate form.

Separate logic is required for each item which is partly ineligible for ATP funding or is required for the construction of an ineligible item/element of the project.

Item #:	Description of Engineer's Logic: (See examples shown in the Instructions)

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Widen to Implement multi-use trail		
Project Location:	Hiller Rd, Mckinleyville Ave to Central Ave		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

Project Estimate and Cost Breakdown:

Project Estimate (for Construction Items Only)						Cost Breakdown					
						ATP Eligible Costs/Items		ATP Ineligible Costs/Items		Corps/CCC to construct	
Item No.	Item	Quantity	Units	Unit Cost	Total Item Cost	%	$	%	$	%	$
General Overhead-Related Construction Items											
1	Mobilization	1	LS	$100,000.00	$100,000	100%	$100,000				
2	Traffic Control	1	LS	$50,000.00	$50,000	100%	$50,000				
3	Stormwater Protection Plan	1	LS	$15,000.00	$15,000	100%	$15,000				
4	Job Site Management	1	LS	$5,000.00	$5,000	100%	$5,000				
5	Construction Area Signs	1	LS	$10,000.00	$10,000	100%	$10,000				
6			LS					100%			
7			LS					100%			
8			LS					100%			
9			LS					100%			
10			LS					100%			
General Construction Items											
11	Striping and Pavement Markings	1	LS	$5,000.00	$5,000	100%	$5,000				
12	Place Hot Mix Ashphalt (Type A)	800	TON	$250.00	$200,000	100%	$200,000				
13	Signage	1	LS	$5,000.00	$5,000	100%	$5,000				
14	Install Curb and Gutter	300	CY	$850.00	$255,000	100%	$255,000				
15	PCC Sidewalk	700	CY	$850.00	$595,000	100%	$595,000				
16	Roadway Excavation	4200	CY	$90.00	$378,000	100%	$378,000				
17	Place Aggregate Base (Class 2)	3000	CY	$100.00	$300,000	100%	$300,000				
18	Landscape and Irrigation	17645	SF	$42.00	$741,090	100%	$741,090				
19								100%			
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				Subtotal of Construction Items:	**$2,659,090**		**$2,659,090**				
	Construction Item Contingencies (% of Construction Items):			**30.00%**	$797,727		$797,727				
	Total (Construction Items & Contingencies) cost:				**$3,456,817**		**$3,456,817**				

Project Delivery Costs:

Type of Project Cost	Cost $

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Widen to Implement multi-use trail		
Project Location:	Hiller Rd, Mckinleyville Ave to Central Ave		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

		ATP Eligible Costs	Non-participating Costs	
Preliminary Engineering (PE)				
Environmental Studies and Permits(PA&ED):	$ 265,909	$265,909		
Plans, Specifications and Estimates (PS&E):	$ 398,864	$398,864		"PE" costs / "CON" costs
Total PE:	**$ 664,773**	**$664,773**		19% — **25% Max**
Right of Way (RW)				
Right of Way Engineering:	$ 100,000	$100,000		
Acquisitions and Utilities:				
Total RW:	**$ 100,000**	**$100,000**		
Total Pre-Construction Costs (PE+RW):	**$764,773**	**$764,773**		
Construction Engineering (CE)				"CE" costs / "CON" costs
Construction Engineering (CE):	$ 265,909	$265,909		8% — **15% Max**
Total Construction Costs:	**$3,722,726**	**$3,722,726**		
		ATP Eligible Costs	Non-participating Costs	
Total Project Cost:	**$4,487,499**	**$4,487,499**		

Documentation of Ineligible (Non-Participating) Costs:

The Engineer's logic and/or calculations for splitting costs between ATP-Eligible and Non-participating costs must be documented in this section of the Estimate form.

Separate logic is required for each item which is partly ineligible for ATP funding or is required for the construction of an ineligible item/element of the project.

Item #:	Description of Engineer's Logic: (See examples shown in the Instructions)

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Widen to Impliment multi-use trail		
Project Location:	Hiller Rd, Fischer Ave to Hwy 101		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

Project Estimate and Cost Breakdown:

Project Estimate (for Construction Items Only)						Cost Breakdown					
						ATP Eligible Costs/Items		ATP Ineligible Costs/Items		Corps/CCC to construct	
Item No.	Item	Quantity	Units	Unit Cost	Total Item Cost	%	$	%	$	%	$
General Overhead-Related Construction Items											
1	Mobilization	1	LS	$100,000.00	$100,000	100%	$100,000				
2	Traffic Control	1	LS	$50,000.00	$50,000	100%	$50,000				
3	Stormwater Protection Plan	1	LS	$15,000.00	$15,000	100%	$15,000				
4	Job Site Management	1	LS	$5,000.00	$5,000	100%	$5,000				
5	Construction Area Signs	1	LS	$10,000.00	$10,000	100%	$10,000				
6			LS					100%			
7			LS					100%			
8			LS					100%			
9			LS					100%			
10			LS					100%			
General Construction Items											
11	Striping and Pavement Markings	1	LS	$5,000.00	$5,000	100%	$5,000				
12	Place Hot Mix Ashphalt (Type A)	150	TON	$250.00	$37,500	100%	$37,500				
13	Signage	1	LS	$1,000.00	$1,000	100%	$1,000				
14	Install Curb and Gutter	60	CY	$850.00	$51,000	100%	$51,000				
15	PCC Sidewalk	225	CY	$850.00	$191,250	100%	$191,250				
16	Roadway Excavation	1100	CY	$90.00	$99,000	100%	$99,000				
17	Place Aggregate Base (Class 2)	725	CY	$100.00	$72,500	100%	$72,500				
18	Remove Traffic Stripe	1	LS	$1,000.00	$1,000	100%	$1,000				
19								100%			
20								100%			
21								100%			
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				Subtotal of Construction Items:	**$638,250**		**$638,250**				
	Construction Item Contingencies (% of Construction Items):			**30.00%**	$191,475		$191,475				
	Total (Construction Items & Contingencies) cost:				**$829,725**		**$829,725**				

Project Delivery Costs:

Type of Project Cost	Cost $

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Widen to Impliment multi-use trail		
Project Location:	Hiller Rd, Fischer Ave to Hwy 101		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

		ATP Eligible Costs	Non-participating Costs	
Preliminary Engineering (PE)				
Environmental Studies and Permits(PA&ED):	$ 63,825	$63,825		
Plans, Specifications and Estimates (PS&E):	$ 95,738	$95,738		"PE" costs / "CON" costs
Total PE:	**$ 159,563**	**$159,563**		19% — **25% Max**
Right of Way (RW)				
Right of Way Engineering:	$ 100,000	$100,000		
Acquisitions and Utilities:				
Total RW:	**$ 100,000**	**$100,000**		
Total Pre-Construction Costs (PE+RW):	**$259,563**	**$259,563**		
Construction Engineering (CE)				"CE" costs / "CON" costs
Construction Engineering (CE):	$ 63,825	$63,825		8% — **15% Max**
Total Construction Costs:	**$893,550**	**$893,550**		
		ATP Eligible Costs	Non-participating Costs	
Total Project Cost:	**$1,153,113**	**$1,153,113**		

Documentation of Ineligible (Non-Participating) Costs:

The Engineer's logic and/or calculations for splitting costs between ATP-Eligible and Non-participating costs must be documented in this section of the Estimate form.

Separate logic is required for each item which is partly ineligible for ATP funding or is required for the construction of an ineligible item/element of the project.

Item #:	Description of Engineer's Logic: (See examples shown in the Instructions)

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Advisory Lane		
Project Location:	Mad River Rd/Miller Ln/Heidon Rd, Hammond Trail Foot Bridge to Giuntoli Ln		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

Project Estimate and Cost Breakdown:

Project Estimate (for Construction Items Only)						Cost Breakdown					
						ATP Eligible Costs/Items		ATP Ineligible Costs/Items		Corps/CCC to construct	
Item No.	Item	Quantity	Units	Unit Cost	Total Item Cost	%	$	%	$	%	$
General Overhead-Related Construction Items											
1	Mobilization	1	LS	$100,000.00	$100,000	100%	$100,000				
2	Traffic Control	1	LS	$50,000.00	$50,000	100%	$50,000				
3	Stormwater Protection Plan	1	LS	$15,000.00	$15,000	100%	$15,000				
4	Job Site Management	1	LS	$5,000.00	$5,000	100%	$5,000				
5	Construction Area Signs	1	LS	$10,000.00	$10,000	100%	$10,000				
6			LS					100%			
7			LS					100%			
8			LS					100%			
9			LS					100%			
10			LS					100%			
General Construction Items											
11	Slurry Seal	7500	SY	$5.00	$37,500	100%	$37,500				
12	Striping and Pavement Markings	1	LS	$25,000.00	$25,000	100%	$25,000				
13	Signage	1	LS	$5,000.00	$5,000	100%	$5,000				
14	Remove Traffic Stripe	1	LS	$12,000.00	$12,000	100%	$12,000				
15								100%			
16								100%			
17								100%			
18								100%			
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51								100%			
52								100%			
				Subtotal of Construction Items:	**$259,500**		**$259,500**				
	Construction Item Contingencies (% of Construction Items):			**30.00%**	$77,850		$77,850				
	Total (Construction Items & Contingencies) cost:				**$337,350**		**$337,350**				

Project Delivery Costs:

Type of Project Cost	Cost $

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Advisory Lane		
Project Location:	Mad River Rd/Miller Ln/Heidon Rd, Hammond Trail Foot Bridge to Giuntoli Ln		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

		ATP Eligible Costs	Non-participating Costs	
Preliminary Engineering (PE)				
Environmental Studies and Permits(PA&ED):	$ 25,950	$25,950		
Plans, Specifications and Estimates (PS&E):	$ 38,925	$38,925		"PE" costs / "CON" costs
Total PE:	**$ 64,875**	**$64,875**		**19%** **25% Max**
Right of Way (RW)				
Right of Way Engineering:	$ -			
Acquisitions and Utilities:				
Total RW:	**$ -**			
Total Pre-Construction Costs (PE+RW):	**$64,875**	**$64,875**		
Construction Engineering (CE)				"CE" costs / "CON" costs
Construction Engineering (CE):	$ 25,950	$25,950		**8%** **15% Max**
Total Construction Costs:	**$363,300**	**$363,300**		
		ATP Eligible Costs	Non-participating Costs	
Total Project Cost:	**$428,175**	**$428,175**		

Documentation of Ineligible (Non-Participating) Costs:

The Engineer's logic and/or calculations for splitting costs between ATP-Eligible and Non-participating costs must be documented in this section of the Estimate form.

Separate logic is required for each item which is partly ineligible for ATP funding or is required for the construction of an ineligible item/element of the project.

Item #:	Description of Engineer's Logic: (See examples shown in the Instructions)

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Shared Lane Markings		
Project Location:	Mad River Rd/Miller Ln/Heidon Rd, Hammond Trail Foot Bridge to Giuntoli Ln		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

Project Estimate and Cost Breakdown:

Project Estimate (for Construction Items Only)						Cost Breakdown					
						ATP Eligible Costs/Items		ATP Ineligible Costs/Items		Corps/CCC to construct	
Item No.	Item	Quantity	Units	Unit Cost	Total Item Cost	%	$	%	$	%	$
General Overhead-Related Construction Items											
1	Mobilization	1	LS	$100,000.00	$100,000	100%	$100,000				
2	Traffic Control	1	LS	$50,000.00	$50,000	100%	$50,000				
3	Stormwater Protection Plan	1	LS	$15,000.00	$15,000	100%	$15,000				
4	Job Site Management	1	LS	$5,000.00	$5,000	100%	$5,000				
5	Construction Area Signs	1	LS	$10,000.00	$10,000	100%	$10,000				
6			LS					100%			
7			LS					100%			
8			LS					100%			
9			LS					100%			
10			LS					100%			
General Construction Items											
11	Slurry Seal	7500	SY	$5.00	$37,500	100%	$37,500				
12	Striping and Pavement Markings	1	LS	$12,000.00	$12,000	100%	$12,000				
13	Signage	1	LS	$5,000.00	$5,000	100%	$5,000				
14						100%					
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52								100%			
				Subtotal of Construction Items:	**$234,500**		**$234,500**				
	Construction Item Contingencies (% of Construction Items):			**30.00%**	$70,350		$70,350				
	Total (Construction Items & Contingencies) cost:				**$304,850**		**$304,850**				

Project Delivery Costs:

Type of Project Cost	Cost $

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Shared Lane Markings		
Project Location:	Mad River Rd/Miller Ln/Heidon Rd, Hammond Trail Foot Bridge to Giuntoli Ln		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

		ATP Eligible Costs	Non-participating Costs	"PE" costs / "CON" costs	
Preliminary Engineering (PE)					
Environmental Studies and Permits(PA&ED):	$ 23,450	$23,450			
Plans, Specifications and Estimates (PS&E):	$ 33,525	$33,525			
Total PE:	**$ 56,975**	**$56,975**		**19%**	**25% Max**
Right of Way (RW)					
Right of Way Engineering:	$ -				
Acquisitions and Utilities:					
Total RW:	**$ -**				
Total Pre-Construction Costs (PE+RW):	**$56,975**	**$56,975**			
Construction Engineering (CE)				"CE" costs / "CON" costs	
Construction Engineering (CE):	$ 23,450	$23,450		**8%**	**15% Max**
Total Construction Costs:	**$328,300**	**$328,300**			
		ATP Eligible Costs	Non-participating Costs		
Total Project Cost:	**$385,275**	**$385,275**			

Documentation of Ineligible (Non-Participating) Costs:

The Engineer's logic and/or calculations for splitting costs between ATP-Eligible and Non-participating costs must be documented in this section of the Estimate form.

Separate logic is required for each item which is partly ineligible for ATP funding or is required for the construction of an ineligible item/element of the project.

Item #:	Description of Engineer's Logic: (See examples shown in the Instructions)

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Implement Class II Bikeways		
Project Location:	Mckinleyville Ave: Hiller Rd to Chelsea Way		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

Project Estimate and Cost Breakdown:

Project Estimate (for Construction Items Only)						Cost Breakdown					
						ATP Eligible Costs/Items		ATP Ineligible Costs/Items		Corps/CCC to construct	
Item No.	Item	Quantity	Units	Unit Cost	Total Item Cost	%	$	%	$	%	$
General Overhead-Related Construction Items											
1	Mobilization	1	LS	$100,000.00	$100,000	100%	$100,000				
2	Traffic Control	1	LS	$50,000.00	$50,000	100%	$50,000				
3	Stormwater Protection Plan	1	LS	$15,000.00	$15,000	100%	$15,000				
4	Job Site Management	1	LS	$5,000.00	$5,000	100%	$5,000				
5	Construction Area Signs	1	LS	$10,000.00	$10,000	100%	$10,000				
6			LS					100%			
7			LS					100%			
8			LS					100%			
9			LS					100%			
10			LS					100%			
General Construction Items											
11	Slurry Seal	9000	SY	$5.00	$45,000	100%	$45,000				
12	Striping and Pavement Markings	1	LS	$45,000.00	$45,000	100%	$45,000				
13	Signage	1	LS	$5,000.00	$5,000	100%	$5,000				
14	Place Hot Mix Ashphalt (Type A)	175	TON	$250.00	$43,750	100%	$43,750				
15	Install Curb and Gutter	60	CY	$850.00	$51,000	100%	$51,000				
16	PCC Sidewalk	110	CY	$850.00	$93,500	100%	$93,500				
17	Roadway Excavation	1100	CY	$90.00	$99,000	100%	$99,000				
18	Place Aggregate Base (Class 2)	820	CY	$100.00	$82,000	100%	$82,000				
19						100%					
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51								100%			
52								100%			
				Subtotal of Construction Items:	**$644,250**		**$644,250**				
	Construction Item Contingencies (% of Construction Items):			**30.00%**	$193,275		$193,275				
	Total (Construction Items & Contingencies) cost:				**$837,525**		**$837,525**				

Project Delivery Costs:

Type of Project Cost	Cost $

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Implement Class II Bikeways		
Project Location:	Mckinleyville Ave: Hiller Rd to Chelsea Way		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

		ATP Eligible Costs	Non-participating Costs	"PE" costs / "CON" costs	
Preliminary Engineering (PE)					
Environmental Studies and Permits(PA&ED):	$ 81,925	$81,925			
Plans, Specifications and Estimates (PS&E):	$ 122,888	$122,888			
Total PE:	**$ 204,813**	**$204,813**		24%	25% Max
Right of Way (RW)					
Right of Way Engineering:	$ -				
Acquisitions and Utilities:					
Total RW:	**$ -**				
Total Pre-Construction Costs (PE+RW):	**$204,813**	**$204,813**			
Construction Engineering (CE)				"CE" costs / "CON" costs	
Construction Engineering (CE):	$ 81,925	$81,925		10%	15% Max
Total Construction Costs:	**$919,450**	**$919,450**			
		ATP Eligible Costs	Non-participating Costs		
Total Project Cost:	**$1,124,263**	**$1,124,263**			

Documentation of Ineligible (Non-Participating) Costs:

The Engineer's logic and/or calculations for splitting costs between ATP-Eligible and Non-participating costs must be documented in this section of the Estimate form.

Separate logic is required for each item which is partly ineligible for ATP funding or is required for the construction of an ineligible item/element of the project.

Item #:	Description of Engineer's Logic: (See examples shown in the Instructions)

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Implement Class III Bike Route		
Project Location:	Mckinleyville Ave: Hiller Rd to Chelsea Way		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

Project Estimate and Cost Breakdown:

Project Estimate (for Construction Items Only)						Cost Breakdown					
						ATP Eligible Costs/Items		ATP Ineligible Costs/Items		Corps/CCC to construct	
Item No.	Item	Quantity	Units	Unit Cost	Total Item Cost	%	$	%	$	%	$
General Overhead-Related Construction Items											
1	Mobilization	1	LS	$100,000.00	$100,000	100%	$100,000				
2	Traffic Control	1	LS	$50,000.00	$50,000	100%	$50,000				
3	Stormwater Protection Plan	1	LS	$15,000.00	$15,000	100%	$15,000				
4	Job Site Management	1	LS	$5,000.00	$5,000	100%	$5,000				
5	Construction Area Signs	1	LS	$10,000.00	$10,000	100%	$10,000				
6			LS					100%			
7			LS					100%			
8			LS					100%			
9			LS					100%			
10			LS					100%			
General Construction Items											
11	Slurry Seal	6000	SY	$5.00	$30,000	100%	$30,000				
12	Striping and Pavement Markings	1	LS	$25,000.00	$25,000	100%	$25,000				
13	Signage	1	LS	$5,000.00	$5,000	100%	$5,000				
14	Place Hot Mix Ashphalt (Type A)	175	TON	$250.00	$43,750	100%	$43,750				
15	Install Curb and Gutter	60	CY	$850.00	$51,000	100%	$51,000				
16	PCC Sidewalk	110	CY	$850.00	$93,500	100%	$93,500				
17	Roadway Excavation	1100	CY	$90.00	$99,000	100%	$99,000				
18	Place Aggregate Base (Class 2)	820	CY	$100.00	$82,000	100%	$82,000				
19						100%					
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52								100%			
				Subtotal of Construction Items:	**$609,250**		**$609,250**				
	Construction Item Contingencies (% of Construction Items):			**30.00%**	$182,775		$182,775				
	Total (Construction Items & Contingencies) cost:				**$792,025**		**$792,025**				

Project Delivery Costs:

Type of Project Cost	Cost $

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Implement Class III Bike Route		
Project Location:	Mckinleyville Ave: Hiller Rd to Chelsea Way		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

		ATP Eligible Costs	Non-participating Costs	"PE" costs / "CON" costs	
Preliminary Engineering (PE)					
Environmental Studies and Permits(PA&ED):	$ 78,425	$78,425			
Plans, Specifications and Estimates (PS&E):	$ 117,638	$117,638			
Total PE:	**$ 196,063**	**$196,063**		25%	25% Max
Right of Way (RW)					
Right of Way Engineering:	$ -				
Acquisitions and Utilities:					
Total RW:	**$ -**				
Total Pre-Construction Costs (PE+RW):	**$196,063**	**$196,063**			
Construction Engineering (CE)				"CE" costs / "CON" costs	
Construction Engineering (CE):	$ 78,425	$78,425		10%	15% Max
Total Construction Costs:	**$870,450**	**$870,450**			
		ATP Eligible Costs	Non-participating Costs		
Total Project Cost:	**$1,066,513**	**$1,066,513**			

Documentation of Ineligible (Non-Participating) Costs:

The Engineer's logic and/or calculations for splitting costs between ATP-Eligible and Non-participating costs must be documented in this section of the Estimate form.

Separate logic is required for each item which is partly ineligible for ATP funding or is required for the construction of an ineligible item/element of the project.

Item #:	Description of Engineer's Logic: (See examples shown in the Instructions)

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency: County of Humboldt **Date:** 2/23/2023

Project Description: Improvements to Mckinleyville Ave - Hiller Rd Intersection, Sidewalk Gap Closure, and US-101 Overcrossing Improvements

Project Location: Mckinleyville Ave - Hiller Rd Intersection

Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate: **License #:**

Project Estimate and Cost Breakdown:

Project Estimate (for Construction Items Only)						Cost Breakdown					
						ATP Eligible Costs/Items		ATP Ineligible Costs/Items		Corps/CCC to construct	
Item No.	Item	Quantity	Units	Unit Cost	Total Item Cost	%	$	%	$	%	$
General Overhead-Related Construction Items											
1	Mobilization	1	LS	$100,000.00	$100,000	100%	$100,000				
2	Traffic Control	1	LS	$50,000.00	$50,000	100%	$50,000				
3	Stormwater Protection Plan	1	LS	$15,000.00	$15,000	100%	$15,000				
4	Job Site Management	1	LS	$5,000.00	$5,000	100%	$5,000				
5	Construction Area Signs	1	LS	$10,000.00	$10,000	100%	$10,000				
6			LS					100%			
7			LS					100%			
8			LS					100%			
9			LS					100%			
10			LS					100%			
General Construction Items											
11	Striping and Pavement Markings	1	LS	$10,000.00	$10,000	100%	$10,000				
12	Signage	1	LS	$5,000.00	$5,000	100%	$5,000				
13	Install Curb and Gutter	120	CY	$850.00	$102,000	100%	$102,000				
14	PCC Sidewalk	220	CY	$850.00	$187,000	100%	$187,000				
15	Roadway Excavation	600	CY	$90.00	$54,000	100%	$54,000				
16	Place Aggregate Base (Class 2)	400	CY	$100.00	$40,000	100%	$40,000				
17	Drainage Adjustments	1	LS	$5,000.00	$5,000	100%	$5,000				
18	Bridge Widening	1	LS	$800,000.00	$800,000	100%	$800,000				
19								100%			
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52								100%			
	Subtotal of Construction Items:				**$1,383,000**		**$1,383,000**				
	Construction Item Contingencies (% of Construction Items):			**30.00%**	$414,900		$414,900				
	Total (Construction Items & Contingencies) cost:				**$1,797,900**		**$1,797,900**				

Project Delivery Costs:

Type of Project Cost	Cost $	ATP Eligible Costs	Non-participating Costs
Preliminary Engineering (PE)			
Environmental Studies and Permits(PA&ED):	$ 138,300	$138,300	

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	2/23/2023
Project Description:	Improvements to Mckinleyville Ave - Hiller Rd Intersection, Sidewalk Gap Closure, and US-101 Overcrossing Improvements		
Project Location:	Mckinleyville Ave - Hiller Rd Intersection		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

		ATP Eligible Costs	Non-participating Costs	"PE" costs / "CON" costs	
Plans, Specifications and Estimates (PS&E):	$ 207,450	$207,450			
Total PE:	**$ 345,750**	**$345,750**		**19%**	**25% Max**
Right of Way (RW)					
Right of Way Engineering:	$ 50,000	$50,000			
Acquisitions and Utilities:	$ 100,000	$100,000			
Total RW:	**$ 150,000**	**$150,000**			
Total Pre-Construction Costs (PE+RW):	**$495,750**	**$495,750**			
Construction Engineering (CE)				"CE" costs / "CON" costs	
Construction Engineering (CE):	$ 138,300	$138,300		**8%**	**15% Max**
Total Construction Costs:	**$1,936,200**	**$1,936,200**			
Total Project Cost:	**$2,431,950**	**$2,431,950**			

Documentation of Ineligible (Non-Participating) Costs:

The Engineer's logic and/or calculations for splitting costs between ATP-Eligible and Non-participating costs must be documented in this section of the Estimate form.

Separate logic is required for each item which is partly ineligible for ATP funding or is required for the construction of an ineligible item/element of the project.

Item #:	Description of Engineer's Logic: (See examples shown in the Instructions)

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Sidewalk gap closure along Mckinleyville Ave on east side from Oakdale Dr to School Rd		
Project Location:	Mckinelyville Ave, Railroad Dr to Hiller Rd		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

Project Estimate and Cost Breakdown:

Project Estimate (for Construction Items Only)						Cost Breakdown					
						ATP Eligible Costs/Items		ATP Ineligible Costs/Items		Corps/CCC to construct	
Item No.	Item	Quantity	Units	Unit Cost	Total Item Cost	%	$	%	$	%	$
General Overhead-Related Construction Items											
1	Mobilization	1	LS	$100,000.00	$100,000	100%	$100,000				
2	Traffic Control	1	LS	$50,000.00	$50,000	100%	$50,000				
3	Stormwater Protection Plan	1	LS	$15,000.00	$15,000	100%	$15,000				
4	Job Site Management	1	LS	$5,000.00	$5,000	100%	$5,000				
5	Construction Area Signs	1	LS	$10,000.00	$10,000	100%	$10,000				
6			LS					100%			
7			LS					100%			
8			LS					100%			
9			LS					100%			
10			LS					100%			
General Construction Items											
11	Install Curb and Gutter	50	CY	$850.00	$42,500	100%	$42,500				
12	PCC Sidewalk	70	CY	$850.00	$59,500	100%	$59,500				
13	Roadway Excavation	350	CY	$90.00	$31,500	100%	$31,500				
14	Place Aggregate Base (Class 2)	225	CY	$100.00	$22,500	100%	$22,500				
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52								100%			
				Subtotal of Construction Items:	**$336,000**		**$336,000**				
	Construction Item Contingencies (% of Construction Items):			**30.00%**	$100,800		$100,800				
	Total (Construction Items & Contingencies) cost:				**$436,800**		**$436,800**				

Project Delivery Costs:

Type of Project Cost	Cost $

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Sidewalk gap closure along Mckinleyville Ave on east side from Oakdale Dr to School Rd		
Project Location:	Mckinelyville Ave, Railroad Dr to Hiller Rd		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

		ATP Eligible Costs	Non-participating Costs	"PE" costs / "CON" costs	
Preliminary Engineering (PE)					
Environmental Studies and Permits(PA&ED):	$ 116,450	$116,450			
Plans, Specifications and Estimates (PS&E):	$ 174,675	$174,675			
Total PE:	**$ 291,125**	**$291,125**		67%	25% Max
Right of Way (RW)					
Right of Way Engineering:					
Acquisitions and Utilities:					
Total RW:	**$ -**				
Total Pre-Construction Costs (PE+RW):	**$291,125**	**$291,125**			
Construction Engineering (CE)				"CE" costs / "CON" costs	
Construction Engineering (CE):	$ 116,450	$116,450		27%	15% Max
Total Construction Costs:	**$553,250**	**$553,250**			
		ATP Eligible Costs	Non-participating Costs		
Total Project Cost:	**$844,375**	**$844,375**			

Documentation of Ineligible (Non-Participating) Costs:

The Engineer's logic and/or calculations for splitting costs between ATP-Eligible and Non-participating costs must be documented in this section of the Estimate form.

Separate logic is required for each item which is partly ineligible for ATP funding or is required for the construction of an ineligible item/element of the project.

Item #:	Description of Engineer's Logic: (See examples shown in the Instructions)

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Shoulder Widening		
Project Location:	North Bank Rd, Hwy 101 to Azalea Ave		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

Project Estimate and Cost Breakdown:

Project Estimate (for Construction Items Only)						Cost Breakdown					
						ATP Eligible Costs/Items		ATP Ineligible Costs/Items		Corps/CCC to construct	
Item No.	Item	Quantity	Units	Unit Cost	Total Item Cost	%	$	%	$	%	$
General Overhead-Related Construction Items											
1	Mobilization	1	LS	$100,000.00	$100,000	100%	$100,000				
2	Traffic Control	1	LS	$50,000.00	$50,000	100%	$50,000				
3	Stormwater Protection Plan	1	LS	$15,000.00	$15,000	100%	$15,000				
4	Job Site Management	1	LS	$5,000.00	$5,000	100%	$5,000				
5	Construction Area Signs	1	LS	$10,000.00	$10,000	100%	$10,000				
6			LS					100%			
7			LS					100%			
8			LS					100%			
9			LS					100%			
10			LS					100%			
General Construction Items											
11	Place Hot Mix Ashphalt (Type A)	1950	TON	$250.00	$487,500	100%	$487,500				
12	Roadway Excavation	3800	CY	$90.00	$342,000	100%	$342,000				
13	Place Aggregate Base (Class 2)	2850	CY	$100.00	$285,000	100%	$285,000				
14	Retaining Wall (Type 1)	2600	CY	$1,250.00	$3,250,000	100%	$3,250,000				
15						100%					
16						100%					
17						100%					
18						100%					
19						100%					
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52								100%			
				Subtotal of Construction Items:	**$4,544,500**		**$4,544,500**				
	Construction Item Contingencies (% of Construction Items):			**30.00%**	$1,363,350		$1,363,350				
	Total (Construction Items & Contingencies) cost:				**$5,907,850**		**$5,907,850**				

Project Delivery Costs:

Type of Project Cost	Cost $

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Shoulder Widening		
Project Location:	North Bank Rd, Hwy 101 to Azalea Ave		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

		ATP Eligible Costs	Non-participating Costs		
Preliminary Engineering (PE)					
Environmental Studies and Permits(PA&ED):	$ 454,450	$454,450			
Plans, Specifications and Estimates (PS&E):	$ 681,675	$681,675		"PE" costs / "CON" costs	
Total PE:	**$ 1,136,125**	**$1,136,125**		19%	25% Max
Right of Way (RW)					
Right of Way Engineering:	$ 100,000	$100,000			
Acquisitions and Utilities:					
Total RW:	**$ 100,000**	**$100,000**			
Total Pre-Construction Costs (PE+RW):	**$1,236,125**	**$1,236,125**			
Construction Engineering (CE)				"CE" costs / "CON" costs	
Construction Engineering (CE):	$ 454,450	$454,450		8%	15% Max
Total Construction Costs:	**$6,362,300**	**$6,362,300**			
		ATP Eligible Costs	Non-participating Costs		
Total Project Cost:	**$7,598,425**	**$7,598,425**			

Documentation of Ineligible (Non-Participating) Costs:

The Engineer's logic and/or calculations for splitting costs between ATP-Eligible and Non-participating costs must be documented in this section of the Estimate form.

Separate logic is required for each item which is partly ineligible for ATP funding or is required for the construction of an ineligible item/element of the project.

Item #:	Description of Engineer's Logic: (See examples shown in the Instructions)

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Shoulder Widening		
Project Location:	North Bank Rd, Hwy 101 to SR 299		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

Project Estimate and Cost Breakdown:

Project Estimate (for Construction Items Only)						Cost Breakdown					
						ATP Eligible Costs/Items		ATP Ineligible Costs/Items		Corps/CCC to construct	
Item No.	Item	Quantity	Units	Unit Cost	Total Item Cost	%	$	%	$	%	$
General Overhead-Related Construction Items											
1	Mobilization	1	LS	$100,000.00	$100,000	100%	$100,000				
2	Traffic Control	1	LS	$50,000.00	$50,000	100%	$50,000				
3	Stormwater Protection Plan	1	LS	$15,000.00	$15,000	100%	$15,000				
4	Job Site Management	1	LS	$5,000.00	$5,000	100%	$5,000				
5	Construction Area Signs	1	LS	$10,000.00	$10,000	100%	$10,000				
6			LS					100%			
7			LS					100%			
8			LS					100%			
9			LS					100%			
10			LS					100%			
General Construction Items											
11	Place Hot Mix Ashphalt (Type A)	4350	TON	$250.00	$1,087,500	100%	$1,087,500				
12	Roadway Excavation	8500	CY	$90.00	$765,000	100%	$765,000				
13	Place Aggregate Base (Class 2)	6300	CY	$100.00	$630,000	100%	$630,000				
14	Retaining Wall (Type 1)	4250	CY	$1,250.00	$5,312,500	100%	$5,312,500				
15						100%					
16						100%					
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				Subtotal of Construction Items:	**$7,975,000**		**$7,975,000**				
	Construction Item Contingencies (% of Construction Items):			**30.00%**	$2,392,500		$2,392,500				
	Total (Construction Items & Contingencies) cost:				**$10,367,500**		**$10,367,500**				

Project Delivery Costs:

Type of Project Cost	Cost $

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Shoulder Widening		
Project Location:	North Bank Rd, Hwy 101 to SR 299		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

		ATP Eligible Costs	Non-participating Costs		
Preliminary Engineering (PE)					
Environmental Studies and Permits(PA&ED):	$ 750,500	$750,500			
Plans, Specifications and Estimates (PS&E):	$ 1,125,750	$1,125,750		"PE" costs / "CON" costs	
Total PE:	**$ 1,876,250**	**$1,876,250**		18%	25% Max
Right of Way (RW)					
Right of Way Engineering:	$ 100,000	$100,000			
Acquisitions and Utilities:					
Total RW:	**$ 100,000**	**$100,000**			
Total Pre-Construction Costs (PE+RW):	**$1,976,250**	**$1,976,250**			
Construction Engineering (CE)				"CE" costs / "CON" costs	
Construction Engineering (CE):	$ 750,500	$750,500		7%	15% Max
Total Construction Costs:	**$11,118,000**	**$11,118,000**			
		ATP Eligible Costs	Non-participating Costs		
Total Project Cost:	**$13,094,250**	**$13,094,250**			

Documentation of Ineligible (Non-Participating) Costs:

The Engineer's logic and/or calculations for splitting costs between ATP-Eligible and Non-participating costs must be documented in this section of the Estimate form.

Separate logic is required for each item which is partly ineligible for ATP funding or is required for the construction of an ineligible item/element of the project.

Item #:	Description of Engineer's Logic: (See examples shown in the Instructions)

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Advisory Lane		
Project Location:	Ocean Drive, Hiller Rd to School Rd		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

Project Estimate and Cost Breakdown:

Project Estimate (for Construction Items Only)

Item No.	Item	Quantity	Units	Unit Cost	Total Item Cost	Cost Breakdown: ATP Eligible Costs/Items %	ATP Eligible Costs/Items $	ATP Ineligible Costs/Items %	ATP Ineligible Costs/Items $	Corps/CCC to construct %	Corps/CCC to construct $
General Overhead-Related Construction Items											
1	Mobilization	1	LS	$100,000.00	$100,000	100%	$100,000				
2	Traffic Control	1	LS	$50,000.00	$50,000	100%	$50,000				
3	Stormwater Protection Plan	1	LS	$15,000.00	$15,000	100%	$15,000				
4	Job Site Management	1	LS	$5,000.00	$5,000	100%	$5,000				
5	Construction Area Signs	1	LS	$10,000.00	$10,000	100%	$10,000				
6			LS					100%			
7			LS					100%			
8			LS					100%			
9			LS					100%			
10			LS					100%			
General Construction Items											
11	Slurry Seal	7500	SY	$5.00	$37,500	100%	$37,500				
12	Striping and Pavement Markings	1	LS	$45,000.00	$45,000	100%	$45,000				
13	Signage	1	LS	$5,000.00	$5,000	100%	$5,000				
14						100%					
15						100%					
16						100%					
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	Subtotal of Construction Items:				**$267,500**		**$267,500**				
	Construction Item Contingencies (% of Construction Items):			**30.00%**	$80,250		$80,250				
	Total (Construction Items & Contingencies) cost:				**$347,750**		**$347,750**				

Project Delivery Costs:

Type of Project Cost	Cost $

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Advisory Lane		
Project Location:	Ocean Drive, Hiller Rd to School Rd		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

		ATP Eligible Costs	Non-participating Costs	
Preliminary Engineering (PE)				
Environmental Studies and Permits(PA&ED):	$ 26,750	$26,750		"PE" costs / "CON" costs
Plans, Specifications and Estimates (PS&E):	$ 40,125	$40,125		
Total PE:	**$ 66,875**	**$66,875**		19% / **25% Max**
Right of Way (RW)				
Right of Way Engineering:	$ -			
Acquisitions and Utilities:				
Total RW:	**$ -**			
Total Pre-Construction Costs (PE+RW):	**$66,875**	**$66,875**		
Construction Engineering (CE)				"CE" costs / "CON" costs
Construction Engineering (CE):	$ 26,750	$26,750		8% / **15% Max**
Total Construction Costs:	**$374,500**	**$374,500**		
		ATP Eligible Costs	Non-participating Costs	
Total Project Cost:	**$441,375**	**$441,375**		

Documentation of Ineligible (Non-Participating) Costs:

The Engineer's logic and/or calculations for splitting costs between ATP-Eligible and Non-participating costs must be documented in this section of the Estimate form.

Separate logic is required for each item which is partly ineligible for ATP funding or is required for the construction of an ineligible item/element of the project.

Item #:	Description of Engineer's Logic: (See examples shown in the Instructions)

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Widen to Implement multi-use trail		
Project Location:	Hiller Rd, Fischer Ave to Hwy 101		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

Project Estimate and Cost Breakdown:

Project Estimate (for Construction Items Only)						Cost Breakdown					
						ATP Eligible Costs/Items		ATP Ineligible Costs/Items		Corps/CCC to construct	
Item No.	Item	Quantity	Units	Unit Cost	Total Item Cost	%	$	%	$	%	$
General Overhead-Related Construction Items											
1	Mobilization	1	LS	$100,000.00	$100,000	100%	$100,000				
2	Traffic Control	1	LS	$50,000.00	$50,000	100%	$50,000				
3	Stormwater Protection Plan	1	LS	$15,000.00	$15,000	100%	$15,000				
4	Job Site Management	1	LS	$5,000.00	$5,000	100%	$5,000				
5	Construction Area Signs	1	LS	$10,000.00	$10,000	100%	$10,000				
6			LS					100%			
7			LS					100%			
8			LS					100%			
9			LS					100%			
10			LS					100%			
General Construction Items											
11	Striping and Pavement Markings	1	LS	$8,000.00	$8,000	100%	$8,000				
12	Place Hot Mix Ashphalt (Type A)	800	TON	$250.00	$200,000	100%	$200,000				
13	Signage	1	LS	$2,000.00	$2,000	100%	$2,000				
14	Roadway Excavation	1500	CY	$90.00	$135,000	100%	$135,000				
15	Place Aggregate Base (Class 2)	1150	CY	$100.00	$115,000	100%	$115,000				
16	Remove Traffic Stripe	1	LS	$3,000.00	$3,000	100%	$3,000				
17	Drainage	1	LS	$100,000.00	$100,000	100%	$100,000				
18								100%			
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				Subtotal of Construction Items:	**$743,000**		**$743,000**				
	Construction Item Contingencies (% of Construction Items):			**30.00%**	$222,900		$222,900				
	Total (Construction Items & Contingencies) cost:				**$965,900**		**$965,900**				

Project Delivery Costs:

Type of Project Cost	Cost $

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Widen to Implement multi-use trail		
Project Location:	Hiller Rd, Fischer Ave to Hwy 101		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

		ATP Eligible Costs	Non-participating Costs	
Preliminary Engineering (PE)				
Environmental Studies and Permits(PA&ED):	$ 74,330	$74,330		
Plans, Specifications and Estimates (PS&E):	$ 111,495	$111,495		"PE" costs / "CON" costs
Total PE:	**$ 185,825**	**$185,825**		19% — 25% Max
Right of Way (RW)				
Right of Way Engineering:	$ 100,000	$100,000		
Acquisitions and Utilities:				
Total RW:	**$ 100,000**	**$100,000**		
Total Pre-Construction Costs (PE+RW):	**$285,825**	**$285,825**		
Construction Engineering (CE)				"CE" costs / "CON" costs
Construction Engineering (CE):	$ 74,330	$74,330		8% — 15% Max
Total Construction Costs:	**$1,040,230**	**$1,040,230**		
		ATP Eligible Costs	Non-participating Costs	
Total Project Cost:	**$1,326,055**	**$1,326,055**		

Documentation of Ineligible (Non-Participating) Costs:

The Engineer's logic and/or calculations for splitting costs between ATP-Eligible and Non-participating costs must be documented in this section of the Estimate form.

Separate logic is required for each item which is partly ineligible for ATP funding or is required for the construction of an ineligible item/element of the project.

Item #:	Description of Engineer's Logic: (See examples shown in the Instructions)

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Roundabout Modifications		
Project Location:	School Rd, Anderson Ave to Central Ave		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

Project Estimate and Cost Breakdown:

Project Estimate (for Construction Items Only)

Item No.	Item	Quantity	Units	Unit Cost	Total Item Cost	Cost Breakdown: ATP Eligible Costs/Items %	ATP Eligible Costs/Items $	ATP Ineligible Costs/Items %	ATP Ineligible Costs/Items $	Corps/CCC to construct %	Corps/CCC to construct $
General Overhead-Related Construction Items											
1	Mobilization	1	LS	$100,000.00	$100,000	100%	$100,000				
2	Traffic Control	1	LS	$50,000.00	$50,000	100%	$50,000				
3	Stormwater Protection Plan	1	LS	$15,000.00	$15,000	100%	$15,000				
4	Job Site Management	1	LS	$5,000.00	$5,000	100%	$5,000				
5	Construction Area Signs	1	LS	$10,000.00	$10,000	100%	$10,000				
6			LS					100%			
7			LS					100%			
8			LS					100%			
9			LS					100%			
10			LS					100%			
General Construction Items											
11	Striping and Pavement Markings	1	LS	$10,000.00	$10,000	100%	$10,000				
12	Signage	1	LS	$2,000.00	$2,000	100%	$2,000				
13	Place Hot Mix Ashphalt (Type A)	250	TON	$90.00	$22,500	100%	$22,500				
14	Roadway Excavation	500	CY	$90.00	$45,000	100%	$45,000				
15	Place Aggregate Base (Class 2)	400	CY	$100.00	$40,000	100%	$40,000				
16						100%					
17						100%					
18						100%					
19						100%					
20						100%					
21						100%					
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52								100%			
	Subtotal of Construction Items:				**$299,500**		**$299,500**				
	Construction Item Contingencies (% of Construction Items):			**30.00%**	$89,850		$89,850				
	Total (Construction Items & Contingencies) cost:				**$389,350**		**$389,350**				

Project Delivery Costs:

Type of Project Cost	Cost $

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Roundabout Modifications		
Project Location:	School Rd, Anderson Ave to Central Ave		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

		ATP Eligible Costs	Non-participating Costs		
Preliminary Engineering (PE)					
Environmental Studies and Permits(PA&ED):	$ 33,925	$33,925			
Plans, Specifications and Estimates (PS&E):	$ 50,888	$50,888		"PE" costs / "CON" costs	
Total PE:	**$ 84,813**	**$84,813**		22%	25% Max
Right of Way (RW)					
Right of Way Engineering:	$ 100,000	$100,000			
Acquisitions and Utilities:					
Total RW:	**$ 100,000**	**$100,000**			
Total Pre-Construction Costs (PE+RW):	**$184,813**	**$184,813**			
Construction Engineering (CE)				"CE" costs / "CON" costs	
Construction Engineering (CE):	$ 33,925	$33,925		9%	15% Max
Total Construction Costs:	**$423,275**	**$423,275**			
		ATP Eligible Costs	Non-participating Costs		
Total Project Cost:	**$608,088**	**$608,088**			

Documentation of Ineligible (Non-Participating) Costs:

The Engineer's logic and/or calculations for splitting costs between ATP-Eligible and Non-participating costs must be documented in this section of the Estimate form.

Separate logic is required for each item which is partly ineligible for ATP funding or is required for the construction of an ineligible item/element of the project.

Item #:	Description of Engineer's Logic: (See examples shown in the Instructions)

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Sidewalk gap closure		
Project Location:	School Rd, Anderson Ave to Central Ave		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

Project Estimate and Cost Breakdown:

Project Estimate (for Construction Items Only)

Item No.	Item	Quantity	Units	Unit Cost	Total Item Cost	Cost Breakdown: ATP Eligible Costs/Items %	ATP Eligible Costs/Items $	ATP Ineligible Costs/Items %	ATP Ineligible Costs/Items $	Corps/CCC to construct %	Corps/CCC to construct $
General Overhead-Related Construction Items											
1	Mobilization	1	LS	$100,000.00	$100,000	100%	$100,000				
2	Traffic Control	1	LS			100%					
3	Stormwater Protection Plan	1	LS			100%					
4	Job Site Management	1	LS			100%					
5	Construction Area Signs	1	LS			100%					
6			LS					100%			
7			LS					100%			
8			LS					100%			
9			LS					100%			
10			LS					100%			
General Construction Items											
11	Install Curb and Gutter	40	CY	$850.00	$34,000	100%	$34,000				
12	PCC Sidewalk	115	CY	$850.00	$97,750	100%	$97,750				
13	Roadway Excavation	300	CY	$90.00	$27,000	100%	$27,000				
14	Place Aggregate Base (Class 2)	150	CY	$100.00	$15,000	100%	$15,000				
15						100%					
16						100%					
17						100%					
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				Subtotal of Construction Items:	**$273,750**		**$273,750**				
	Construction Item Contingencies (% of Construction Items):			**30.00%**	$82,125		$82,125				
	Total (Construction Items & Contingencies) cost:				**$355,875**		**$355,875**				

Project Delivery Costs:

Type of Project Cost	Cost $

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Sidewalk gap closure		
Project Location:	School Rd, Anderson Ave to Central Ave		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

		ATP Eligible Costs	Non-participating Costs		
Preliminary Engineering (PE)					
Environmental Studies and Permits(PA&ED):	$ 27,375	$27,375			
Plans, Specifications and Estimates (PS&E):	$ 41,063	$41,063		"PE" costs / "CON" costs	
Total PE:	**$ 68,438**	**$68,438**		19%	25% Max
Right of Way (RW)					
Right of Way Engineering:	$ 100,000	$100,000			
Acquisitions and Utilities:					
Total RW:	**$ 100,000**	**$100,000**			
Total Pre-Construction Costs (PE+RW):	**$168,438**	**$168,438**			
Construction Engineering (CE)				"CE" costs / "CON" costs	
Construction Engineering (CE):	$ 27,375	$27,375		8%	15% Max
Total Construction Costs:	**$383,250**	**$383,250**			
		ATP Eligible Costs	Non-participating Costs		
Total Project Cost:	**$551,688**	**$551,688**			

Documentation of Ineligible (Non-Participating) Costs:

The Engineer's logic and/or calculations for splitting costs between ATP-Eligible and Non-participating costs must be documented in this section of the Estimate form.

Separate logic is required for each item which is partly ineligible for ATP funding or is required for the construction of an ineligible item/element of the project.

Item #:	Description of Engineer's Logic: (See examples shown in the Instructions)

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	10/20/2022
Project Description:	Sidewalk Gap Closure		
Project Location:	School Rd, Anderson Ave to Salmon Ave		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

Project Estimate and Cost Breakdown:

Project Estimate (for Construction Items Only)

Item No.	Item	Quantity	Units	Unit Cost	Total Item Cost	Cost Breakdown: ATP Eligible Costs/Items %	ATP Eligible Costs/Items $	ATP Ineligible Costs/Items %	ATP Ineligible Costs/Items $	Corps/CCC to construct %	Corps/CCC to construct $
General Overhead-Related Construction Items											
1	Mobilization	1	LS	$100,000.00	$100,000	100%	$100,000				
2	Traffic Control	1	LS	$50,000.00	$50,000	100%	$50,000				
3	Stormwater Protection Plan	1	LS	$15,000.00	$15,000	100%	$15,000				
4	Job Site Management	1	LS	$5,000.00	$5,000	100%	$5,000				
5	Construction Area Signs	1	LS	$10,000.00	$10,000	100%	$10,000				
6			LS					100%			
7			LS					100%			
8			LS					100%			
9			LS					100%			
10			LS					100%			
General Construction Items											
11	Traffic Stripe and Pavement Markings	1	LS	$1,000.00	$1,000	100%	$1,000				
12	Curb Ramp	4	EA	$7,500.00	$30,000	100%	$30,000				
13	Retaining Wall	854	CY	$1,250.00	$1,067,500	100%	$1,067,500				
14	Install Curb and Gutter	9	CY	$850.00	$7,650	100%	$7,650				
15	PCC Sidewalk	34	CY	$850.00	$28,900	100%	$28,900				
16	Import/Borrow	99	CY	$150.00	$14,850	100%	$14,850				
17	Place Aggregate Base (Class 2)	34	CY	$100.00	$3,400	100%	$3,400				
18	Remove Traffic Stripe	1	LS	$1,000.00	$1,000	100%	$1,000				
19	Road Excavation	115	CY	$90.00	$10,350	100%	$10,350				
20								100%			
21								100%			
22								100%			
23								100%			
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	Subtotal of Construction Items:				**$1,344,650**		**$1,344,650**				
	Construction Item Contingencies (% of Construction Items):			**30.00%**	$403,395		$403,395				
	Total (Construction Items & Contingencies) cost:				**$1,748,045**		**$1,748,045**				

Project Delivery Costs:

Type of Project Cost	Cost $

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	10/20/2022
Project Description:	Sidewalk Gap Closure		
Project Location:	School Rd, Anderson Ave to Salmon Ave		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

		ATP Eligible Costs	Non-participating Costs		
Preliminary Engineering (PE)					
Environmental Studies and Permits(PA&ED):	$ 134,465	$134,465			
Plans, Specifications and Estimates (PS&E):	$ 201,698	$201,698		"PE" costs / "CON" costs	
Total PE:	**$ 336,163**	**$336,163**		19%	25% Max
Right of Way (RW)					
Right of Way Engineering:					
Acquisitions and Utilities:					
Total RW:	**$ -**				
Total Pre-Construction Costs (PE+RW):	**$336,163**	**$336,163**			
Construction Engineering (CE)				"CE" costs / "CON" costs	
Construction Engineering (CE):	$ 134,465	$134,465		8%	15% Max
Total Construction Costs:	**$1,882,510**	**$1,882,510**			
		ATP Eligible Costs	Non-participating Costs		
Total Project Cost:	**$2,218,673**	**$2,218,673**			

Documentation of Ineligible (Non-Participating) Costs:

The Engineer's logic and/or calculations for splitting costs between ATP-Eligible and Non-participating costs must be documented in this section of the Estimate form.

Separate logic is required for each item which is partly ineligible for ATP funding or is required for the construction of an ineligible item/element of the project.

Item #:	Description of Engineer's Logic: (See examples shown in the Instructions)

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Sidewalk gap closure alongWashington Ave on east side from Oakdale Dr to School Rd		
Project Location:	Washington Ave, Mckinelyville Ave to School Rd		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

Project Estimate and Cost Breakdown:

Project Estimate (for Construction Items Only)						Cost Breakdown					
						ATP Eligible Costs/Items		ATP Ineligible Costs/Items		Corps/CCC to construct	
Item No.	Item	Quantity	Units	Unit Cost	Total Item Cost	%	$	%	$	%	$
General Overhead-Related Construction Items											
1	Mobilization	1	LS	$100,000.00	$100,000	100%	$100,000				
2	Traffic Control	1	LS	$50,000.00	$50,000	100%	$50,000				
3	Stormwater Protection Plan	1	LS	$15,000.00	$15,000	100%	$15,000				
4	Job Site Management	1	LS	$5,000.00	$5,000	100%	$5,000				
5	Construction Area Signs	1	LS	$10,000.00	$10,000	100%	$10,000				
6			LS					100%			
7			LS					100%			
8			LS					100%			
9			LS					100%			
10			LS					100%			
General Construction Items											
11	Striping and Pavement Markings	1	LS	$10,000.00	$10,000	100%	$10,000				
12	Place Hot Mix Ashphalt (Type A)	100	TON	$250.00	$25,000	100%	$25,000				
13	Install Curb and Gutter	50	CY	$850.00	$42,500	100%	$42,500				
14	PCC Sidewalk	90	CY	$850.00	$76,500	100%	$76,500				
15	Roadway Excavation	500	CY	$90.00	$45,000	100%	$45,000				
16	Place Aggregate Base (Class 2)	325	CY	$100.00	$32,500	100%	$32,500				
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				Subtotal of Construction Items:	**$411,500**		**$411,500**				
	Construction Item Contingencies (% of Construction Items):			**30.00%**	$123,450		$123,450				
	Total (Construction Items & Contingencies) cost:				**$534,950**		**$534,950**				

Project Delivery Costs:

Type of Project Cost	Cost $

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	6/27/2022
Project Description:	Sidewalk gap closure alongWashington Ave on east side from Oakdale Dr to School Rd		
Project Location:	Washington Ave, Mckinelyville Ave to School Rd		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

		ATP Eligible Costs	Non-participating Costs		
Preliminary Engineering (PE)					
Environmental Studies and Permits(PA&ED):	$ 116,450	$116,450			
Plans, Specifications and Estimates (PS&E):	$ 174,675	$174,675		"PE" costs / "CON" costs	
Total PE:	**$ 291,125**	**$291,125**		54%	25% Max
Right of Way (RW)					
Right of Way Engineering:	$ 100,000	$100,000			
Acquisitions and Utilities:					
Total RW:	**$ 100,000**	**$100,000**			
Total Pre-Construction Costs (PE+RW):	**$391,125**	**$391,125**			
Construction Engineering (CE)				"CE" costs / "CON" costs	
Construction Engineering (CE):	$ 116,450	$116,450		22%	15% Max
Total Construction Costs:	**$651,400**	**$651,400**			
		ATP Eligible Costs	Non-participating Costs		
Total Project Cost:	**$1,042,525**	**$1,042,525**			

Documentation of Ineligible (Non-Participating) Costs:

The Engineer's logic and/or calculations for splitting costs between ATP-Eligible and Non-participating costs must be documented in this section of the Estimate form.

Separate logic is required for each item which is partly ineligible for ATP funding or is required for the construction of an ineligible item/element of the project.

Item #:	Description of Engineer's Logic: (See examples shown in the Instructions)

HUMBOLDT COUNTY

APPENDIX F - Central Avenue South Long-Term Alternative Alignments: Cost Estimates

MARK THOMAS

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency: County of Humboldt **Date:** 2/22/2023

Project Description: Central Ave South Long-Term Alternative 1

Project Location: North Bank Rd/ Azalea Ave/ Cochran Rd/ Bartow Rd, Hwy 101 to Central Ave

Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate: **License #:**

Project Estimate and Cost Breakdown:

Project Estimate (for Construction Items Only)

Cost Breakdown

Item No.	Item	Quantity	Units	Unit Cost	Total Item Cost	ATP Eligible Costs/Items %	ATP Eligible Costs/Items $	ATP Ineligible Costs/Items %	ATP Ineligible Costs/Items $	Corps/CCC to construct %	Corps/CCC to construct $
General Overhead-Related Construction Items											
1	Mobilization	1	LS	$100,000.00	$100,000	100%	$100,000				
2	Traffic Control	1	LS	$50,000.00	$50,000	100%	$50,000				
3	Stormwater Protection Plan	1	LS	$15,000.00	$15,000	100%	$15,000				
4	Job Site Management	1	LS	$5,000.00	$5,000	100%	$5,000				
5	Construction Area Signs	1	LS	$10,000.00	$10,000	100%	$10,000				
6			LS					100%			
7			LS					100%			
8			LS					100%			
9			LS					100%			
10			LS					100%			
General Construction Items											
11	Striping and Pavement Markings	1	LS	$45,000.00	$45,000	100%	$45,000				
12	Signage	1	LS	$12,500.00	$12,500	100%	$12,500				
13	RRFB	1	EA	$75,000.00	$75,000	100%	$75,000				
14	Place Hot Mix Ashphalt (Type A)	2000	TON	$250.00	$500,000	100%	$500,000				
15	Roadway Excavation	4400	CY	$90.00	$396,000	100%	$396,000				
16	Place Aggregate Base (Class 2)	2700	CY	$100.00	$270,000	100%	$270,000				
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	Subtotal of Construction Items:				**$1,478,500**		**$1,478,500**				
	Construction Item Contingencies (% of Construction Items):			**30.00%**	$443,550		$443,550				
	Total (Construction Items & Contingencies) cost:				**$1,922,050**		**$1,922,050**				

Project Delivery Costs:

Type of Project Cost	Cost $	ATP Eligible Costs	Non-participating Costs
Preliminary Engineering (PE)			
Environmental Studies and Permits(PA&ED):	$ 147,850	$147,850	

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	2/22/2023
Project Description:	Central Ave South Long-Term Alternative 1		
Project Location:	North Bank Rd/ Azalea Ave/ Cochran Rd/ Bartow Rd, Hwy 101 to Central Ave		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

		ATP Eligible Costs	Non-participating Costs	"PE" costs / "CON" costs	
Plans, Specifications and Estimates (PS&E):	$ 221,775	$221,775			
Total PE:	**$ 369,625**	**$369,625**		**19%**	**25% Max**
Right of Way (RW)					
Right of Way Engineering:	$ 50,000	$50,000			
Acquisitions and Utilities:	$ 100,000	$100,000			
Total RW:	**$ 150,000**	**$150,000**			
Total Pre-Construction Costs (PE+RW):	**$519,625**	**$519,625**			
Construction Engineering (CE)				"CE" costs / "CON" costs	
Construction Engineering (CE):	$ 147,850	$147,850		**8%**	**15% Max**
Total Construction Costs:	**$2,069,900**	**$2,069,900**			
Total Project Cost:	**$2,589,525**	**$2,589,525**			

Documentation of Ineligible (Non-Participating) Costs:

The Engineer's logic and/or calculations for splitting costs between ATP-Eligible and Non-participating costs must be documented in this section of the Estimate form.

Separate logic is required for each item which is partly ineligible for ATP funding or is required for the construction of an ineligible item/element of the project.

Item #:	Description of Engineer's Logic: (See examples shown in the Instructions)

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency: County of Humboldt **Date:** 2/22/2023

Project Description: Central Ave South Long-Term Alternative 2

Project Location: Central Ave, Hwy 101 to School Rd

Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate: **License #:**

Project Estimate and Cost Breakdown:

Project Estimate (for Construction Items Only)						Cost Breakdown					
						ATP Eligible Costs/Items		ATP Ineligible Costs/Items		Corps/CCC to construct	
Item No.	Item	Quantity	Units	Unit Cost	Total Item Cost	%	$	%	$	%	$
General Overhead-Related Construction Items											
1	Mobilization	1	LS	$100,000.00	$100,000	100%	$100,000				
2	Traffic Control	1	LS	$50,000.00	$50,000	100%	$50,000				
3	Stormwater Protection Plan	1	LS	$15,000.00	$15,000	100%	$15,000				
4	Job Site Management	1	LS	$5,000.00	$5,000	100%	$5,000				
5	Construction Area Signs	1	LS	$10,000.00	$10,000	100%	$10,000				
6			LS					100%			
7			LS					100%			
8			LS					100%			
9			LS					100%			
10			LS					100%			
General Construction Items											
11	Striping and Pavement Markings	1	LS	$50,000.00	$50,000	100%	$50,000				
12	Signage	1	LS	$15,000.00	$15,000	100%	$15,000				
13	Place Hot Mix Ashphalt (Type A)	1820	TON	$250.00	$455,000	100%	$455,000				
14	Roadway Excavation	10159	CY	$90.00	$914,310	100%	$914,310				
15	Place Aggregate Base (Class 2)	1320	CY	$100.00	$132,000	100%	$132,000				
16	Retaining Wall (Type 1)	3795	CY	$1,250.00	$4,743,750	100%	$4,743,750				
17	Barrier Type 60M	5110	LF	$320.00	$1,635,200	100%	$1,635,200				
18	RRFB	1	EA	$75,000.00	$75,000	100%	$75,000				
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52								100%			
	Subtotal of Construction Items:				**$8,200,260**		**$8,200,260**				
	Construction Item Contingencies (% of Construction Items):			**30.00%**	$2,460,078		$2,460,078				
	Total (Construction Items & Contingencies) cost:				**$10,660,338**		**$10,660,338**				

Project Delivery Costs:

Type of Project Cost	Cost $	ATP Eligible Costs	Non-participating Costs
Preliminary Engineering (PE)			
Environmental Studies and Permits(PA&ED):	$ 820,026	$820,026	

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	2/22/2023
Project Description:	Central Ave South Long-Term Alternative 2		
Project Location:	Central Ave, Hwy 101 to School Rd		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

Plans, Specifications and Estimates (PS&E):	$ 1,230,039	$1,230,039		"PE" costs / "CON" costs	
Total PE:	**$ 2,050,065**	**$2,050,065**		**19%**	**25% Max**
Right of Way (RW)					
Right of Way Engineering:	$ 100,000	$100,000			
Acquisitions and Utilities:	$ 100,000	$100,000			
Total RW:	**$ 200,000**	**$200,000**			
Total Pre-Construction Costs (PE+RW):	**$2,250,065**	**$2,250,065**			
Construction Engineering (CE)				"CE" costs / "CON" costs	
Construction Engineering (CE):	$ 820,026	$820,026		**8%**	**15% Max**
Total Construction Costs:	**$11,480,364**	**$11,480,364**			
		ATP Eligible Costs	Non-participating Costs		
Total Project Cost:	**$13,730,429**	**$13,730,429**			

Documentation of Ineligible (Non-Participating) Costs:

The Engineer's logic and/or calculations for splitting costs between ATP-Eligible and Non-participating costs must be documented in this section of the Estimate form.

Separate logic is required for each item which is partly ineligible for ATP funding or is required for the construction of an ineligible item/element of the project.

Item #:	Description of Engineer's Logic: (See examples shown in the Instructions)

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency: County of Humboldt **Date:** 2/22/2023

Project Description: Central Ave South Long-Term Alternative 3

Project Location: Central Ave, Hwy 101 to School Rd

Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate: **License #:**

Project Estimate and Cost Breakdown:

Project Estimate (for Construction Items Only)

Item No.	Item	Quantity	Units	Unit Cost	Total Item Cost	Cost Breakdown: ATP Eligible Costs/Items %	ATP Eligible Costs/Items $	ATP Ineligible Costs/Items %	ATP Ineligible Costs/Items $	Corps/CCC to construct %	Corps/CCC to construct $
General Overhead-Related Construction Items											
1	Mobilization	1	LS	$100,000.00	$100,000	100%	$100,000				
2	Traffic Control	1	LS	$50,000.00	$50,000	100%	$50,000				
3	Stormwater Protection Plan	1	LS	$15,000.00	$15,000	100%	$15,000				
4	Job Site Management	1	LS	$5,000.00	$5,000	100%	$5,000				
5	Construction Area Signs	1	LS	$10,000.00	$10,000	100%	$10,000				
6			LS					100%			
7			LS					100%			
8			LS					100%			
9			LS					100%			
10			LS					100%			
General Construction Items											
11	Striping and Pavement Markings	1	LS	$40,000.00	$40,000	100%	$40,000				
12	Signage	1	LS	$10,000.00	$10,000	100%	$10,000				
13	Place Hot Mix Ashphalt (Type A)	2300	TON	$250.00	$575,000	100%	$575,000				
14	Roadway Excavation	5500	CY	$90.00	$495,000	100%	$495,000				
15	Place Aggregate Base (Class 2)	1700	CY	$100.00	$170,000	100%	$170,000				
16	Import Borrow	30000	CY	$25.00	$750,000	100%	$750,000				
17	Ped OC	1	LS	$3,000,000.00	$3,000,000	100%	$3,000,000				
18	Retaining Wall (Type 1)	1260	CY	$1,250.00	$1,575,000	100%	$1,575,000				
19	Barrier Type 60M	2420	LF	$320.00	$774,400	100%	$774,400				
20								100%			
21								100%			
22								100%			
23								100%			
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	Subtotal of Construction Items:				**$7,569,400**		**$7,569,400**				
	Construction Item Contingencies (% of Construction Items):			**30.00%**	$2,270,820		$2,270,820				
	Total (Construction Items & Contingencies) cost:				**$9,840,220**		**$9,840,220**				

Project Delivery Costs:

Type of Project Cost	Cost $	ATP Eligible Costs	Non-participating Costs
Preliminary Engineering (PE)			
Environmental Studies and Permits(PA&ED):	$ 756,940	$756,940	

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	2/22/2023
Project Description:	Central Ave South Long-Term Alternative 3		
Project Location:	Central Ave, Hwy 101 to School Rd		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

Plans, Specifications and Estimates (PS&E):	$ 1,135,410	$1,135,410		"PE" costs / "CON" costs	
Total PE:	**$ 1,892,350**	**$1,892,350**		**19%**	**25% Max**
	Right of Way (RW)				
Right of Way Engineering:	$ 150,000	$150,000			
Acquisitions and Utilities:	$ 150,000	$150,000			
Total RW:	**$ 300,000**	**$300,000**			
Total Pre-Construction Costs (PE+RW):	**$2,192,350**	**$2,192,350**			
	Construction Engineering (CE)			"CE" costs / "CON" costs	
Construction Engineering (CE):	$ 756,940	$756,940		**8%**	**15% Max**
Total Construction Costs:	**$10,597,160**	**$10,597,160**			
		ATP Eligible Costs	Non-participating Costs		
Total Project Cost:	**$12,789,510**	**$12,789,510**			

Documentation of Ineligible (Non-Participating) Costs:

The Engineer's logic and/or calculations for splitting costs between ATP-Eligible and Non-participating costs must be documented in this section of the Estimate form.

Separate logic is required for each item which is partly ineligible for ATP funding or is required for the construction of an ineligible item/element of the project.

Item #:	Description of Engineer's Logic: (See examples shown in the Instructions)

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency: County of Humboldt **Date:** 2/22/2023

Project Description: Central Ave South Long-Term Alternative 4

Project Location: Central Ave/Hwy 101, Hwy 101 to Central Ave

Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate: **License #:**

Project Estimate and Cost Breakdown:

Project Estimate (for Construction Items Only)

Item No.	Item	Quantity	Units	Unit Cost	Total Item Cost	Cost Breakdown: ATP Eligible Costs/Items %	ATP Eligible Costs/Items $	ATP Ineligible Costs/Items %	ATP Ineligible Costs/Items $	Corps/CCC to construct %	Corps/CCC to construct $
General Overhead-Related Construction Items											
1	Mobilization	1	LS	$100,000.00	$100,000	100%	$100,000				
2	Traffic Control	1	LS	$50,000.00	$50,000	100%	$50,000				
3	Stormwater Protection Plan	1	LS	$15,000.00	$15,000	100%	$15,000				
4	Job Site Management	1	LS	$5,000.00	$5,000	100%	$5,000				
5	Construction Area Signs	1	LS	$10,000.00	$10,000	100%	$10,000				
6			LS					100%			
7			LS					100%			
8			LS					100%			
9			LS					100%			
10			LS					100%			
General Construction Items											
11	Striping and Pavement Markings	1	LS	$40,000.00	$40,000	100%	$40,000				
12	Signage	1	LS	$10,000.00	$10,000	100%	$10,000				
13	Place Hot Mix Ashphalt (Type A)	2600	TON	$250.00	$650,000	100%	$650,000				
14	Roadway Excavation	3500	CY	$90.00	$315,000	100%	$315,000				
15	Place Aggregate Base (Class 2)	2000	CY	$100.00	$200,000	100%	$200,000				
16	Import Borrow	30000	CY	$25.00	$750,000	100%	$750,000				
17	Ped OC	1	LS	$4,000,000.00	$4,000,000	100%	$4,000,000				
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	Subtotal of Construction Items:				**$6,145,000**		**$6,145,000**				
	Construction Item Contingencies (% of Construction Items):			**30.00%**	$1,843,500		$1,843,500				
	Total (Construction Items & Contingencies) cost:				**$7,988,500**		**$7,988,500**				

Project Delivery Costs:

Type of Project Cost	Cost $	ATP Eligible Costs	Non-participating Costs
Preliminary Engineering (PE)			
Environmental Studies and Permits(PA&ED):	$ 514,500	$514,500	

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	2/22/2023
Project Description:	Central Ave South Long-Term Alternative 4		
Project Location:	Central Ave/Hwy 101, Hwy 101 to Central Ave		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

Plans, Specifications and Estimates (PS&E):	$ 771,750	$771,750		"PE" costs / "CON" costs	
Total PE:	**$ 1,286,250**	**$1,286,250**		**16%**	**25% Max**
Right of Way (RW)					
Right of Way Engineering:	$ 300,000	$300,000			
Acquisitions and Utilities:	$ 660,000	$660,000			
Total RW:	**$ 960,000**	**$960,000**			
Total Pre-Construction Costs (PE+RW):	**$2,246,250**	**$2,246,250**			
Construction Engineering (CE)				"CE" costs / "CON" costs	
Construction Engineering (CE):	$ 514,500	$514,500		**6%**	**15% Max**
Total Construction Costs:	**$8,503,000**	**$8,503,000**			
		ATP Eligible Costs	Non-participating Costs		
Total Project Cost:	**$10,749,250**	**$10,749,250**			

Documentation of Ineligible (Non-Participating) Costs:

The Engineer's logic and/or calculations for splitting costs between ATP-Eligible and Non-participating costs must be documented in this section of the Estimate form.

Separate logic is required for each item which is partly ineligible for ATP funding or is required for the construction of an ineligible item/element of the project.

Item #:	Description of Engineer's Logic: (See examples shown in the Instructions)

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency: County of Humboldt **Date:** 2/22/2023

Project Description: Central Ave South Long-Term Alternative 5

Project Location: Central Ave/Hwy 101, Hwy 101 to School Rd

Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate: **License #:**

Project Estimate and Cost Breakdown:

Project Estimate (for Construction Items Only)

Item No.	Item	Quantity	Units	Unit Cost	Total Item Cost	Cost Breakdown: ATP Eligible Costs/Items %	ATP Eligible Costs/Items $	ATP Ineligible Costs/Items %	ATP Ineligible Costs/Items $	Corps/CCC to construct %	Corps/CCC to construct $
General Overhead-Related Construction Items											
1	Mobilization	1	LS	$100,000.00	$100,000	100%	$100,000				
2	Traffic Control	1	LS	$50,000.00	$50,000	100%	$50,000				
3	Stormwater Protection Plan	1	LS	$15,000.00	$15,000	100%	$15,000				
4	Job Site Management	1	LS	$5,000.00	$5,000	100%	$5,000				
5	Construction Area Signs	1	LS	$10,000.00	$10,000	100%	$10,000				
6			LS					100%			
7			LS					100%			
8			LS					100%			
9			LS					100%			
10			LS					100%			
General Construction Items											
11	Striping and Pavement Markings	1	LS	$40,000.00	$40,000	100%	$40,000				
12	Signage	1	LS	$10,000.00	$10,000	100%	$10,000				
13	Place Hot Mix Ashphalt (Type A)	2400	TON	$250.00	$600,000	100%	$600,000				
14	Roadway Excavation	3000	CY	$90.00	$270,000	100%	$270,000				
15	Place Aggregate Base (Class 2)	1700	CY	$100.00	$170,000	100%	$170,000				
16	Import Borrow	30000	CY	$25.00	$750,000	100%	$750,000				
17	Ped OC	1	LS	$3,000,000.00	$3,000,000	100%	$3,000,000				
18								100%			
19								100%			
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	Subtotal of Construction Items:				**$5,020,000**		**$5,020,000**				
	Construction Item Contingencies (% of Construction Items):			**30.00%**	$1,506,000		$1,506,000				
	Total (Construction Items & Contingencies) cost:				**$6,526,000**		**$6,526,000**				

Project Delivery Costs:

Type of Project Cost	Cost $	ATP Eligible Costs	Non-participating Costs
Preliminary Engineering (PE)			
Environmental Studies and Permits(PA&ED):	$ 502,000	$502,000	

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	2/22/2023
Project Description:	Central Ave South Long-Term Alternative 5		
Project Location:	Central Ave/Hwy 101, Hwy 101 to School Rd		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

Plans, Specifications and Estimates (PS&E):	$ 753,000	$753,000		"PE" costs / "CON" costs	
Total PE:	**$ 1,255,000**	**$1,255,000**		**19%**	**25% Max**
Right of Way (RW)					
Right of Way Engineering:	$ 50,000	$50,000			
Acquisitions and Utilities:	$ 100,000	$100,000			
Total RW:	**$ 150,000**	**$150,000**			
Total Pre-Construction Costs (PE+RW):	**$1,405,000**	**$1,405,000**			
Construction Engineering (CE)				"CE" costs / "CON" costs	
Construction Engineering (CE):	$ 502,000	$502,000		**8%**	**15% Max**
Total Construction Costs:	**$7,028,000**	**$7,028,000**			
		ATP Eligible Costs	Non-participating Costs		
Total Project Cost:	**$8,433,000**	**$8,433,000**			

Documentation of Ineligible (Non-Participating) Costs:

The Engineer's logic and/or calculations for splitting costs between ATP-Eligible and Non-participating costs must be documented in this section of the Estimate form.

Separate logic is required for each item which is partly ineligible for ATP funding or is required for the construction of an ineligible item/element of the project.

Item #:	Description of Engineer's Logic: (See examples shown in the Instructions)

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency: County of Humboldt **Date:** 2/22/2023

Project Description: Central Ave South Long-Term Alternative 6

Project Location: Central Ave/ Turner Rd, Hwy 101 to Central Ave

Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate: **License #:**

Project Estimate and Cost Breakdown:

Project Estimate (for Construction Items Only)						Cost Breakdown					
						ATP Eligible Costs/Items		ATP Ineligible Costs/Items		Corps/CCC to construct	
Item No.	Item	Quantity	Units	Unit Cost	Total Item Cost	%	$	%	$	%	$
General Overhead-Related Construction Items											
1	Mobilization	1	LS	$100,000.00	$100,000	100%	$100,000				
2	Traffic Control	1	LS	$50,000.00	$50,000	100%	$50,000				
3	Stormwater Protection Plan	1	LS	$15,000.00	$15,000	100%	$15,000				
4	Job Site Management	1	LS	$5,000.00	$5,000	100%	$5,000				
5	Construction Area Signs	1	LS	$10,000.00	$10,000	100%	$10,000				
6			LS					100%			
7			LS					100%			
8			LS					100%			
9			LS					100%			
10			LS					100%			
General Construction Items											
11	Slurry Seal	4000	SY	$5.00	$20,000	100%	$20,000				
12	Striping and Pavement Markings	1	LS	$40,000.00	$40,000	100%	$40,000				
13	Signage	1	LS	$10,000.00	$10,000	100%	$10,000				
14	Place Hot Mix Ashphalt (Type A)	1250	TON	$250.00	$312,500	100%	$312,500				
15	Roadway Excavation	1550	CY	$90.00	$139,500	100%	$139,500				
16	Place Aggregate Base (Class 2)	1000	CY	$100.00	$100,000	100%	$100,000				
17	Import Borrow	30000	CY	$25.00	$750,000	100%	$750,000				
18	Ped OC	1	LS	$4,000,000.00	$4,000,000	100%	$4,000,000				
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51								100%			
52								100%			
	Subtotal of Construction Items:				**$5,552,000**		**$5,552,000**				
	Construction Item Contingencies (% of Construction Items):			**30.00%**	$1,665,600		$1,665,600				
	Total (Construction Items & Contingencies) cost:				**$7,217,600**		**$7,217,600**				

Project Delivery Costs:

Type of Project Cost	Cost $	ATP Eligible Costs	Non-participating Costs
Preliminary Engineering (PE)			
Environmental Studies and Permits(PA&ED):	$ 455,200	$455,200	

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	2/22/2023
Project Description:	Central Ave South Long-Term Alternative 6		
Project Location:	Central Ave/ Turner Rd, Hwy 101 to Central Ave		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

Plans, Specifications and Estimates (PS&E):	$ 682,800	$682,800		"PE" costs / "CON" costs	
Total PE:	**$ 1,138,000**	**$1,138,000**		**16%**	**25% Max**
Right of Way (RW)					
Right of Way Engineering:	$ 50,000	$50,000			
Acquisitions and Utilities:	$ 100,000	$100,000			
Total RW:	**$ 150,000**	**$150,000**			
Total Pre-Construction Costs (PE+RW):	**$1,288,000**	**$1,288,000**			
Construction Engineering (CE)				"CE" costs / "CON" costs	
Construction Engineering (CE):	$ 455,200	$455,200		**6%**	**15% Max**
Total Construction Costs:	**$7,672,800**	**$7,672,800**			
		ATP Eligible Costs	Non-participating Costs		
Total Project Cost:	**$8,960,800**	**$8,960,800**			

Documentation of Ineligible (Non-Participating) Costs:

The Engineer's logic and/or calculations for splitting costs between ATP-Eligible and Non-participating costs must be documented in this section of the Estimate form.

Separate logic is required for each item which is partly ineligible for ATP funding or is required for the construction of an ineligible item/element of the project.

Item #:	Description of Engineer's Logic: (See examples shown in the Instructions)

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency: County of Humboldt **Date:** 2/22/2023

Project Description: Central Ave South Long-Term Alternative 7

Project Location: Central Ave/Hwy 101, Hwy 101 to Central Ave

Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate: **License #:**

Project Estimate and Cost Breakdown:

Project Estimate (for Construction Items Only)

Item No.	Item	Quantity	Units	Unit Cost	Total Item Cost	Cost Breakdown: ATP Eligible Costs/Items %	ATP Eligible Costs/Items $	ATP Ineligible Costs/Items %	ATP Ineligible Costs/Items $	Corps/CCC to construct %	Corps/CCC to construct $
General Overhead-Related Construction Items											
1	Mobilization	1	LS	$100,000.00	$100,000	100%	$100,000				
2	Traffic Control	1	LS	$50,000.00	$50,000	100%	$50,000				
3	Stormwater Protection Plan	1	LS	$15,000.00	$15,000	100%	$15,000				
4	Job Site Management	1	LS	$5,000.00	$5,000	100%	$5,000				
5	Construction Area Signs	1	LS	$10,000.00	$10,000	100%	$10,000				
6			LS					100%			
7			LS					100%			
8			LS					100%			
9			LS					100%			
10			LS					100%			
General Construction Items											
11	Striping and Pavement Markings	1	LS	$40,000.00	$40,000	100%	$40,000				
12	Signage	1	LS	$10,000.00	$10,000	100%	$10,000				
13	Place Hot Mix Ashphalt (Type A)	3100	TON	$250.00	$775,000	100%	$775,000				
14	Roadway Excavation	4000	CY	$90.00	$360,000	100%	$360,000				
15	Place Aggregate Base (Class 2)	2250	CY	$100.00	$225,000	100%	$225,000				
16	Import Borrow	30000	CY	$25.00	$750,000	100%	$750,000				
17	Ped OC	1	LS	$3,000,000.00	$3,000,000	100%	$3,000,000				
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52								100%			
	Subtotal of Construction Items:				**$5,340,000**		**$5,340,000**				
	Construction Item Contingencies (% of Construction Items):			**30.00%**	$1,602,000		$1,602,000				
	Total (Construction Items & Contingencies) cost:				**$6,942,000**		**$6,942,000**				

Project Delivery Costs:

Type of Project Cost	Cost $	ATP Eligible Costs	Non-participating Costs
Preliminary Engineering (PE)			
Environmental Studies and Permits(PA&ED):	$ 534,000	$534,000	

Detailed Project Estimate and Total Project Costs- Cycle 6

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	County of Humboldt	**Date:**	2/22/2023
Project Description:	Central Ave South Long-Term Alternative 7		
Project Location:	Central Ave/Hwy 101, Hwy 101 to Central Ave		
Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:		**License #:**	

		ATP Eligible Costs	Non-participating Costs	"PE" costs / "CON" costs	
Plans, Specifications and Estimates (PS&E):	$ 801,000	$801,000			
Total PE:	**$ 1,335,000**	**$1,335,000**		**19%**	**25% Max**
Right of Way (RW)					
Right of Way Engineering:	$ 350,000	$350,000			
Acquisitions and Utilities:	$ 817,500	$817,500			
Total RW:	**$ 1,167,500**	**$1,167,500**			
Total Pre-Construction Costs (PE+RW):	**$2,502,500**	**$2,502,500**			
Construction Engineering (CE)				"CE" costs / "CON" costs	
Construction Engineering (CE):	$ 534,000	$534,000		**8%**	**15% Max**
Total Construction Costs:	**$7,476,000**	**$7,476,000**			
Total Project Cost:	**$9,978,500**	**$9,978,500**			

Documentation of Ineligible (Non-Participating) Costs:

The Engineer's logic and/or calculations for splitting costs between ATP-Eligible and Non-participating costs must be documented in this section of the Estimate form.

Separate logic is required for each item which is partly ineligible for ATP funding or is required for the construction of an ineligible item/element of the project.

Item #:	Description of Engineer's Logic: (See examples shown in the Instructions)

“ Where Horses Have the Right of Way ”