



KUNA BICYCLE AND PEDESTRIAN PLAN

ADOPTED SEPTEMBER 22, 2021





ACKNOWLEDGEMENTS



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EXECUTIVE SUMMARY

The purpose of the Kuna Neighborhood Bicycle and Pedestrian Plan is to identify community priorities for future bicycle and pedestrian projects within the planning area. Projects identified in this plan promote safe, effective, and convenient walking and biking for residents and visitors.

PUBLIC INPUT	TOP PRIORITY PROJECTS
<p>Outreach to Kuna Middle School Students Walking/Biking concerns in the Kuna area:</p> <ol style="list-style-type: none"> 1. Lack of sidewalks and bikeways that provide connectivity 2. Lack of destinations within walking/biking distance 3. Lack of enhanced crossings <p>Online Open House Top priorities and concerns from the public:</p> <ol style="list-style-type: none"> 1. Improve crossing at Avalon Street at Kay Avenue 2. Connect neighborhoods to key destinations (e.g., stores, schools) 3. Improve Swan Falls Road crossing over Indian Creek 	<ol style="list-style-type: none"> 1. Multi-Use Pathway: Deer Flat Road, Ten Mile Road / Deerhorn Avenue 2. Bike Lane: Ardell Road, Linder Road / Meridian Road 3. Crossing: Avalon Street / Kay Avenue 4. Sidewalk: Orchard Avenue, 4th Street / Avalon Street 5. Multi-Use Pathway: Swan Falls Road, Avalon Street / King Road

Project Process

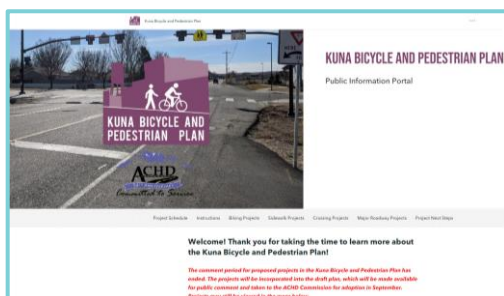




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- Appendix A: Demographics
- Appendix B: Existing Conditions
- Appendix C: Needs Analysis
- Appendix D: Recommended Projects



1. INTRODUCTION

Purpose

Ada County Highway District (ACHD) serves as the local highway jurisdiction for the cities and unincorporated areas within Ada County. In order to create effective pedestrian and bicycle plans, ACHD focuses on certain geographic areas/cities to meet specific community needs. The primary purpose of the Kuna Bicycle and Pedestrian Plan (the 'Plan') is to identify community priorities for future bicycle and pedestrian projects within the planning area. Projects identified in this plan promote safe, effective, and convenient walking and biking for residents and visitors.

Goals and Objectives

This Plan was developed with input from the community. Recommended improvements are designed to meet the following goals and objectives:

- Increase the safety and convenience of walking and bicycling
- Improve facilities to meet the needs of people from all age groups
- Enhance mobility to meet accessibility standards
- Create economic development opportunities and enrich the walking and bicycling environment to attract visitors

Planning Area

The Kuna planning area, shown in **Figure 1 - 1**, is approximately 47.4 square miles and is situated entirely within the City of Kuna and unincorporated Ada County.

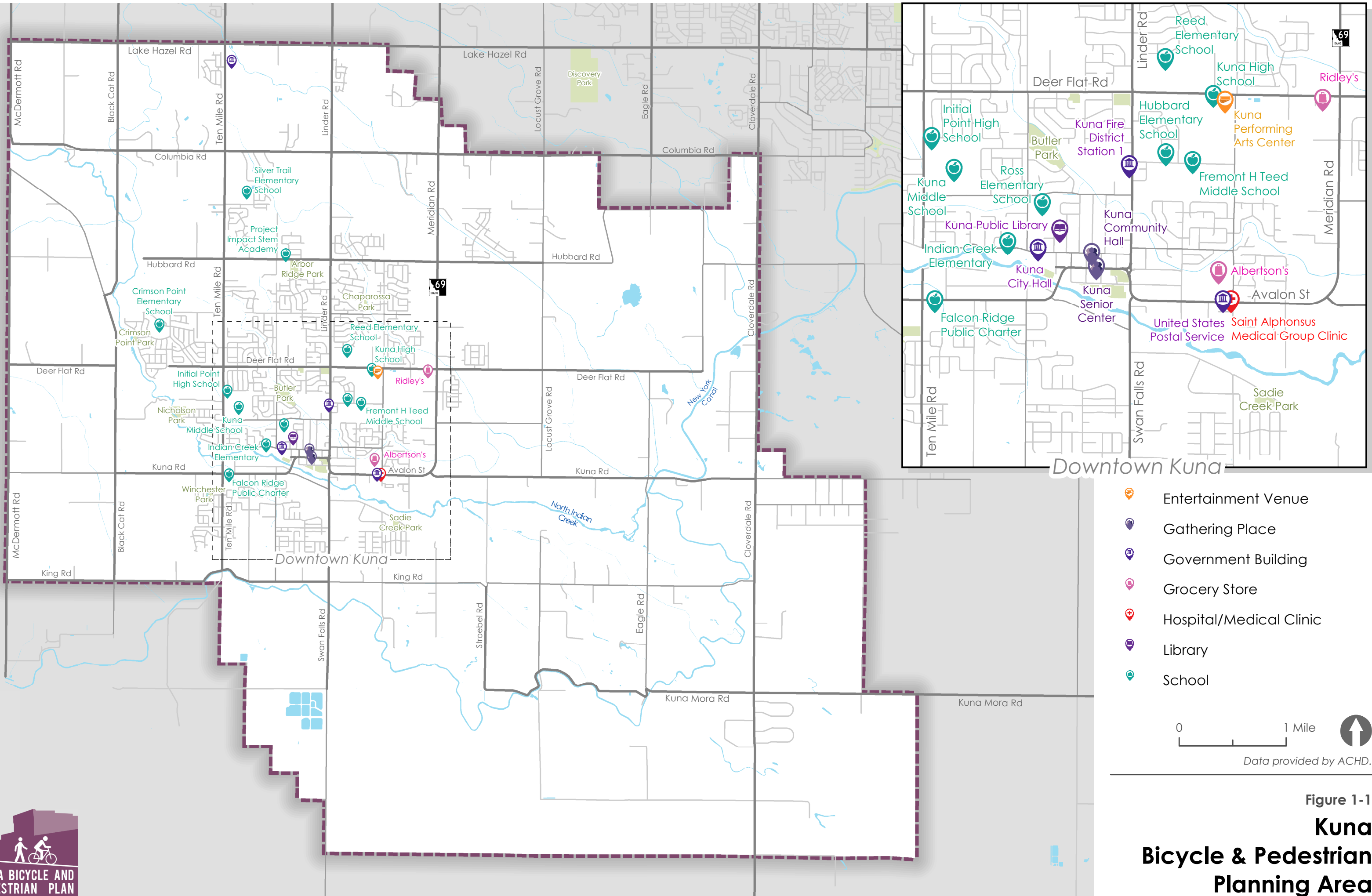


Figure 1-1
Kuna
Bicycle & Pedestrian
Planning Area

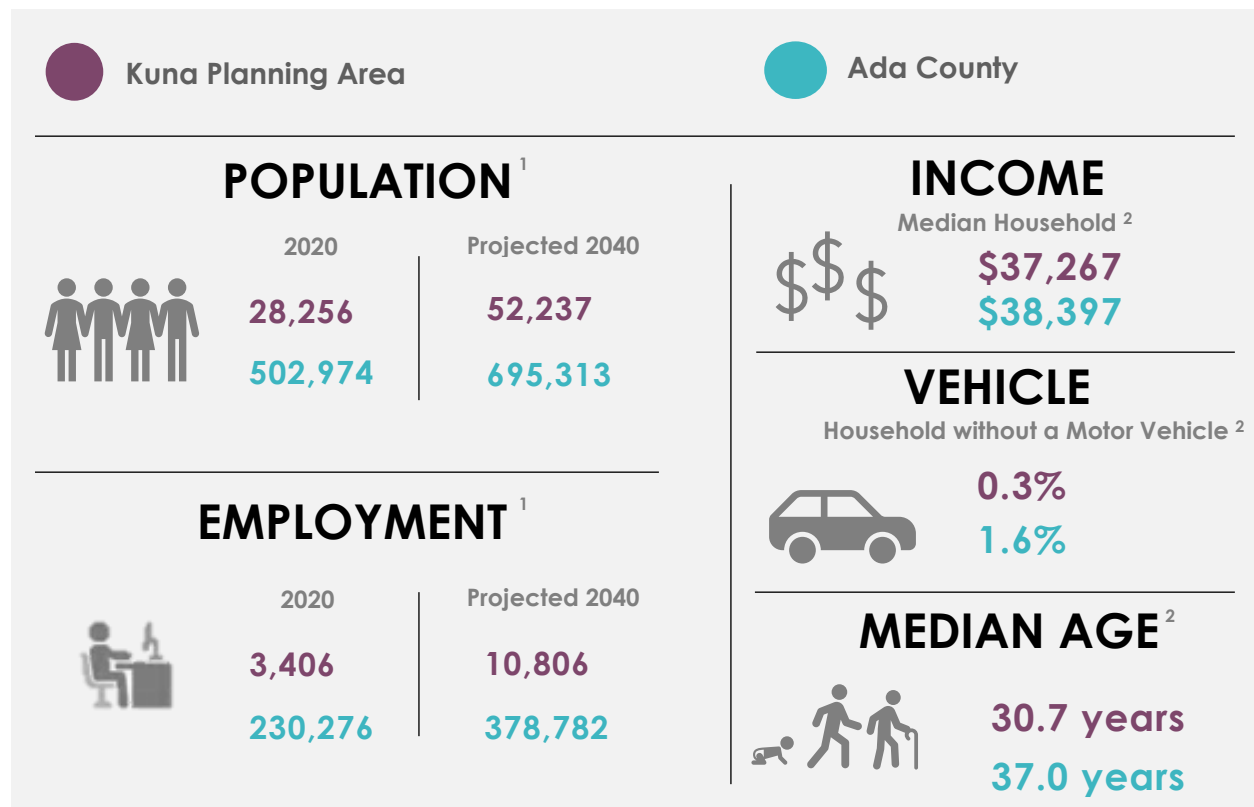


2. DEMOGRAPHICS AND EXISTING CONDITIONS

Demographics

Relevant demographic information is shown in the Demographics Snapshot below. Current and projected population and employment projections are based on data from the U.S. Census and the Community Planning Association of Southwest Idaho (COMPASS). See also the Current Employment Density Map, **Figure 2-1**, in **Appendix A**.

DEMOGRAPHICS SNAPSHOT



¹ Data Source: Community Planning Association (COMPASS) Traffic Analysis Zones (TAZ). Data is approximate based on Community Planning Association (COMPASS) Traffic Analysis Zone (TAZ) and ACS Census Tract boundaries, which do not precisely follow the planning area boundary

² Data Source: 2019 American Community Survey (ACS)



Existing Conditions

A list of existing plans and planned projects in the Kuna Neighborhood planning area is included in **Appendix B**.

BICYCLE NETWORK

A summary of the existing and planned [Roadways to Bikeways Plan (R2B) and Integrated Five Year Work Program (IFYWP)] bicycle network identified in ACHD Geographic Information System (GIS) inventory data is shown in **Table 2 - 1** below and **Figure 2 - 2** in **Appendix B**.

Bicycle & Pedestrian Facility Types

See Roadways to Bikeways Plan (2018 Addendum) & Livable Streets Performance Measures (June 2021)

Table 2 - 1. Bicycle Network

Bicycle Facility Level	Bicycle Facility Description	Existing Miles	Additional Planned Miles
LEVEL 1	Low-Stress Bikeways/Bike Routes	16.5	0
LEVEL 2	Bike Lanes	2.9	43.6
LEVEL 3	Enhanced Bike Lanes	1.2	37.1
Total		20.6	80.7

PEDESTRIAN NETWORK

A summary of the existing and planned (IFYWP) pedestrian network within the planning area identified in ACHD GIS inventory data is shown below in **Table 2 - 2**, and **Figure 2 - 3** in **Appendix B**. The graphic below shows the sidewalk gap mileage within the planning area.

SIDEWALK GAP MILES



¹Sidewalks are not always required or necessary to extend along both sides of a roadway. Sidewalk miles needed for complete network assumes sidewalks on both sides of the street for arterial and collector roadway types and on one side of the street for local roadway types.

Table 2 - 2 Pedestrian Network

Roadway Type	Existing Roadway Centerline Miles	Sidewalk Miles Needed to Complete Network	Existing Sidewalk Miles	Sidewalk Gap Miles
Local	93.5	93.5	81.3	12.2
Collector	24.8	49.6	11.8	37.8
Arterial	72.6	145.2	12.3	132.9
Total	190.9	288.3	105.4	182.9








3. NEEDS ANALYSIS

This section identifies pedestrian and bicycle attractors, barriers, and, most importantly, public input. The public involvement comments received during this Plan’s development provided many new ideas for improvements to the pedestrian and bicycle network within the planning area.

Bicycle and Pedestrian Attractors

Bicycle and pedestrian attractors that typically require consideration when identifying bicycle and pedestrian projects are listed below and identified in **Figure 3 - 1** in **Appendix C**. This list is non-exhaustive.

 SCHOOLS	 RETAIL & RESTAURANTS	 PARKS	 GROCERY	 PUBLIC
Kuna High School	D&B Supply	Arbor Ridge Park	Albertson's	Kuna Public Library
Initial Point High School	Walgreens	Bernie Fisher Park	Ridley's	Kuna City Hall
Swan Falls High School	Deer Flat Crossing Shopping Center	Butler Park	Bi-Mart	Kuna Community Hall
Kuna Middle School	Avalon Street	Chaparossa Park	Family Dollar	Kuna Senior Center
Fremont Middle School	Downtown Area	Crimson Point Park	Dollar Tree	
Crimson Point Elementary	Avalon Plaza (NW Quadrant of Kay Ave / Avalon St)	Farm Estates		
Hubbard Elementary	Merrell Towne Center (SW Quadrant of Meridian Rd / Deer Flat Rd)	Kuna Greenbelt		
Indian Creek Elementary		Kuna Skate Park		
Reed Elementary		Nicholson Park		
Ross Elementary		Sadie Creek Park		
Silver Trail Elementary		Winchester Park		

ANCHORS




The primary highly visited locations that attract increased bicycle and pedestrian activity within the Kuna Planning area include schools, downtown Kuna, and commercial areas along Avalon Street, including Albertson’s. The Ridley’s/Bi-Mart Shopping Center is likely to increase as a walking and biking destination in the future as residential development in the surrounding area increases.



Bicycle and Pedestrian Barriers

Bicycle and pedestrian barriers that require consideration when identifying bicycle and pedestrian projects are listed below and identified in **Figure 3 - 2** in **Appendix C**.

Barriers to bicycle and pedestrian travel in the study area consist mostly of mile-grid arterials and half-mile collectors. These roadways are generally high-speed, high-volume, and lack sidewalks on one or both sides of the roadway. Notably, Meridian Road (SH-69) lacks sidewalks and bicycle lanes for much of its length, and Linder Road, Ten Mile Road, and Kay Street have significant sidewalk gaps through the developed areas in central Kuna. Limited crossings are available over North Indian Creek, only one of which has sidewalks.

 HIGH-TRAFFIC ROADS	 HIGH-CRASH LOCATIONS	 RIVERS, CREEKS, CANALS, OTHER
<p>Meridian Road (SH-69) / Avalon Street (Lake Hazel Road to Linder Road)</p> <p>Linder Road / Swan Falls Road (Hubbard Road to King Road)</p> <p>Deer Flat Road (School Avenue to SH-69)</p> <p>Kuna Road / Avalon Street (Black Cat Road to Main Street)</p> <p>Ten Mile Road (Lake Hazel Road to Deer Flat Road)</p>	<p>Deer Flat Road (Ten Mile Road to SH-69)</p> <p>Avalon Street (Linder Road to SH-69)</p> <p>Linder Road (Hubbard Road to Avalon Street)</p>	<p>Indian Creek</p> <p>Teed Lateral Canal</p> <p>Kuna Canal</p> <p>UP Rail Line</p>



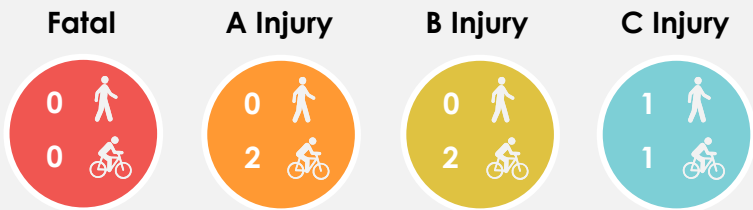
Crash Analysis

Reported crash locations within the last seven (7) years of available data (2013-2019) involving pedestrians and bicyclists were reviewed. Examining existing crash data and identifying historical safety patterns reveals locations where new facilities may have the most impact in preventing crashes from occurring in the future. According to crash records from the Idaho Transportation Department, 19 crashes involving bicyclists and pedestrians occurred in the planning area. Crash data showed most of these crashes occurred along Deer Flat Road or Avalon Street. Two locations saw more than one bicycle or pedestrian crash during the study period: the Ten Mile Road/Boise Street intersection, and Kristy Avenue near the neighborhood trail crossing. Refer to **Figure 3 - 2** in **Appendix C**.

Injury Types

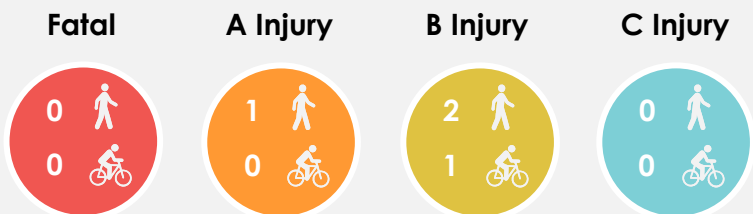
- **Fatality** – death occurred within one month of crash
- **A Injury (Serious Injuries)** – incapacitating injury (unconscious, transported to hospital)
- **B Injury (Visible Injuries)** – visible signs of injury (cuts, broken bones)
- **C Injury (Possible Injuries)** – no visible signs of injury (whiplash, soreness)

Deer Flat Road (Ten Mile Road to SH-69)



6 CRASHES
1 Pedestrian
5 Bicycle

Avalon Street (Linder Road to SH-69)

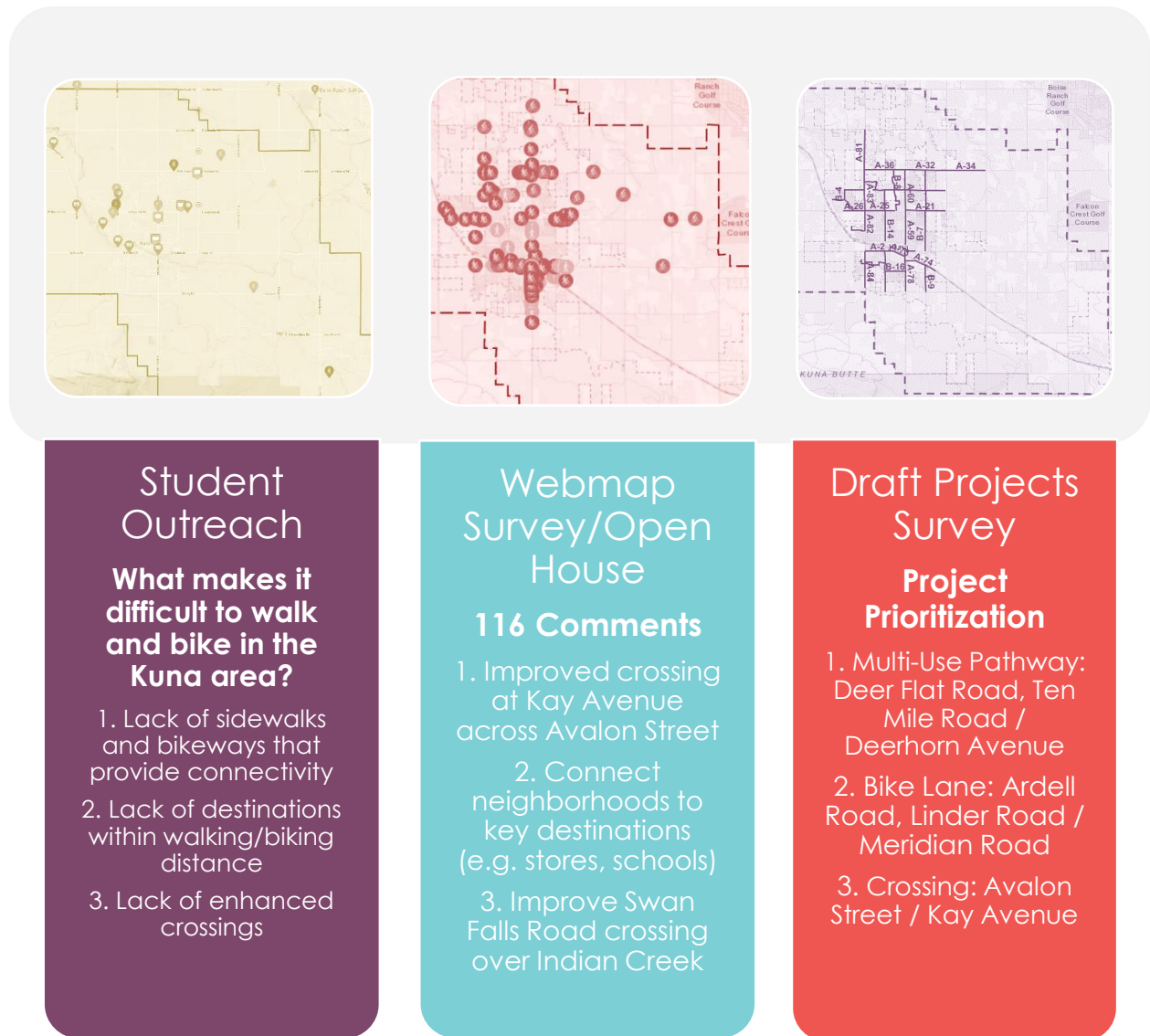


4 CRASHES
3 Pedestrian
1 Bicycle



Public Input

The graphic below represents the public input process and associated outcomes. The outcomes of this process were later used in the project identification and prioritization process. Refer to Public Involvement Summary in **Appendix C**.





4. RECOMMENDED PROJECTS

Bicycle and Pedestrian Projects

The recommended bicycle and pedestrian projects are based on the prioritization criteria provided in ACHD's Integrated Five-Year Work Plan (IFYWP), Roadways to Bikeways Plan (2018 Addendum) and input gathered from the public.

Project numbers in **Table 4 - 1** correspond with the recommended projects shown in **Figure 4 - 1** and **Figure 4 - 2**. Recommended Projects include information to assist ACHD, the City of Kuna, and community residents when evaluating and prioritizing projects. The final treatment (i.e. striping, sharrows, wayfinding signs, etc.) for each project will be reviewed by ACHD as part of the annual project scoping process.

Prioritization criteria, along with examples of project types, are included in Appendix D.

Bicycle Projects

Bicycle projects were ranked using the listed criterion in the Roadways to Bikeways Plan (2018 Addendum). The projects are ranked High, Medium, or Low based on their numerical score and public feedback. Each project is given a number value based on Regional Low-Stress Bikeway Network Build-Out Ability, Connectivity to a Regional Low-Stress Bikeway Network, Distance to a School, Distance to Civic Facilities/Transit/Commercial Destinations and Demographic Data.

Bicycle project treatment types were determined based on the ACHD Bicycle Facility Definitions from the Roadways to Bikeways Plan (2018 Addendum) and guidance from the Livable Streets Performance Measures (adopted June 2021). Projects denoted as "P-##" propose multi-use pathways or raised bike lanes with detached sidewalks.

Pedestrian Projects

Pedestrian projects were ranked using the listed criterion for the Community Programs section of ACHD's IFYWP. The projects are ranked High, Medium, or Low based on their numerical score and public feedback. Each project is given a number value based on Average Daily Traffic, Distance to School, Existing Pedestrian Facilities, Americans with Disabilities Act Attributes, Distance to Civic Facilities/Transit/Commercial Destinations, and Demographic Data. Projects denoted as "P-##" propose multi-use pathways or raised bike lanes with detached sidewalks.

Crossing projects were ranked using the listed criterion for the Community Programs section of ACHD's IFYWP. The projects are ranked High, Medium, or Low based on their numerical score. Each project is given a number value based on Average Daily Traffic, Distance to School, Crossing Distance, Speed Limits, Distance to Civic Facilities/Transit/Commercial Destinations, and Demographic Data.



Major Roadway Projects

Major Roadway projects are shown on separate tables and figures (see **Table 4 - 2** and **Figure 4 - 3**) as they are typically built in conjunction with roadway widening projects listed in ACHD's Capital Improvement Plan (CIP).

These projects include multi-use pathways or raised bike lanes with detached sidewalks. Since they include bicycle and pedestrian components, they were ranked as a bicycle project using the listed criterion in the Roadways to Bikeways Plan (2018 Addendum), and as a pedestrian project using the listed criterion for the Community Programs section of ACHD's IFYWP. The projects received two rankings of High, Medium, or Low based on their numerical scores for bicycle criterion and for pedestrian criterion; the projects are ranked based on the higher rank of the two rankings the projects received and public feedback. Only projects that received a high amount of public feedback were included in the prioritization process.



Table 4 - 1 Recommended Projects

Project ID	Project Type	Project Name ¹	Project Description ²	Priority
Bike Projects				
B-1	Bike	Ardell Road, Countryside Avenue / Linder Road	Install bikeway pavement markings and wayfinding signs along Ardell Road from Countryside Avenue to Linder Road. Install additional bicyclist and pedestrian enhancements as appropriate. Crossing to be installed at Blue Blossom Way (C-2) and Linder Road (C-12).	High
B-2	Bike	Ardell Road, Linder Road / Meridian Road	Install bike lanes along Ardell Road from Linder Road to Meridian Road. Install additional bicyclist and pedestrian enhancements as appropriate. Crossing to be installed at Linder Road (C-12).	High
B-3	Bike	Blue Blossom Way/Addax Avenue/Big Rack Avenue/Trophy Street/Deerhorn Avenue, Ardell Road / Deer Flat Road	Install bikeway pavement markings and wayfinding signs along Blue Blossom Way/Addax Avenue/Big Rack Avenue/Trophy Street/Deerhorn Avenue from Ardell Road to Deer Flat Road. Install additional bicyclist and pedestrian enhancements as appropriate. Crossings to be installed at Ardell Road (C-2) and Deer Flat Road (C-7).	Medium
B-4	Bike	Cerulean Drive/Shayla Avenue/Ardell Road, Thistle Drive / Ten Mile Road	Install bikeway pavement markings and wayfinding signs along Cerulean Drive/Shayla Avenue/Ardell Road from Thistle Drive to Ten Mile Road. Install additional bicyclist and pedestrian enhancements as appropriate. Crossing to be installed at Ten Mile Road (C-18).	Medium
B-5	Bike	Heartland Drive/Countryside Avenue, Ten Mile Road / Ardell Road	Install bikeway pavement markings and wayfinding signs along Heartland Drive/Countryside Avenue from Ten Mile Road to Ardell Road. Install additional bicyclist and pedestrian enhancements as appropriate.	Medium
B-6	Bike	Kay Avenue, Hubbard Road / Deer Flat Road	Install bike lanes along Kay Avenue from Hubbard Road to Deer Flat Road. Install additional bicyclist and pedestrian enhancements as appropriate. Crossing to be installed at Deer Flat Road (C-6).	High
B-7	Bike	Kay Avenue, Deer Flat Road / Avalon Street	Install bike lanes along Kay Avenue from Deer Flat Road to Avalon Street. Install additional bicyclist and pedestrian enhancements as appropriate. Crossings to be installed at Deer Flat Road (C-6) and Avalon Street (C-11).	High
B-8	Bike	Kelsan Avenue/Blue Blossom Way, Hubbard Road / Ardell Road	Install bikeway pavement markings and wayfinding signs along Kelsan Avenue/Blue Blossom Way from Hubbard Road to Ardell Road. Install additional bicyclist and pedestrian enhancements as appropriate. Crossings to be installed at Hubbard Road (C-9) and Ardell Road (C-2).	High
B-9	Bike	Luker Road, Stagecoach Way / King Road	Install bike lanes along Luker Road from Stagecoach Way to King Road. Install additional bicyclist and pedestrian enhancements as appropriate. Crossing to be installed at Sadie Creek Drive (C-14).	Low
B-10	Bike	Meadowsweet Avenue/Hedgerow Street, Nicholson Park / Ten Mile Road	Install bikeway pavement markings and wayfinding signs along Meadowsweet Avenue/Hedgerow Street from Nicholson Park to Ten Mile Road. Install additional bicyclist and pedestrian enhancements as appropriate.	Low
B-11	Bike	Sadie Creek Drive, Luker Road / Rumney Avenue	Install bikeway pavement markings and wayfinding signs along Sadie Creek Drive from Luker Road to Rumney Avenue. Install additional bicyclist and pedestrian enhancements as appropriate. Crossing to be installed at Luker Road (C-14).	Low
B-12	Bike	School Avenue, Ardell Road / Deer Flat Road	Install bike lanes along School Avenue from Ardell Road to Deer Flat Road. Install additional bicyclist and pedestrian enhancements as appropriate.	Medium
B-13	Bike	School Avenue, Avalon Street / King Road	Install bike lanes along School Avenue from Avalon Street to King Road. This project is included in the Integrated Five-Year Work Plan. Install additional bicyclist and pedestrian enhancements as appropriate. Crossing to be installed at Omphale Street (C-15).	IFYWP
B-14	Bike	School Avenue, Deer Flat Road / 4th Street	Install bike lanes along School Avenue from Deer Flat Road to 4th Street. This project is included in the Integrated Five-Year Work Plan. Install additional bicyclist and pedestrian enhancements as appropriate.	IFYWP
B-15	Bike	Shayla Avenue, Cerulean Drive / Deer Flat Road	Install bikeway pavement markings and wayfinding signs along Shayla Avenue from Cerulean Drive to Deer Flat Road. Install additional bicyclist and pedestrian enhancements as appropriate.	Medium
B-16	Bike	Sunbeam Street, School Avenue / Swan Falls Road	Install bike lanes along Sunbeam Street from School Avenue to Swan Falls Road. Install additional bicyclist and pedestrian enhancements as appropriate. Crossing to be installed at Jake Avenue (C-16).	Low



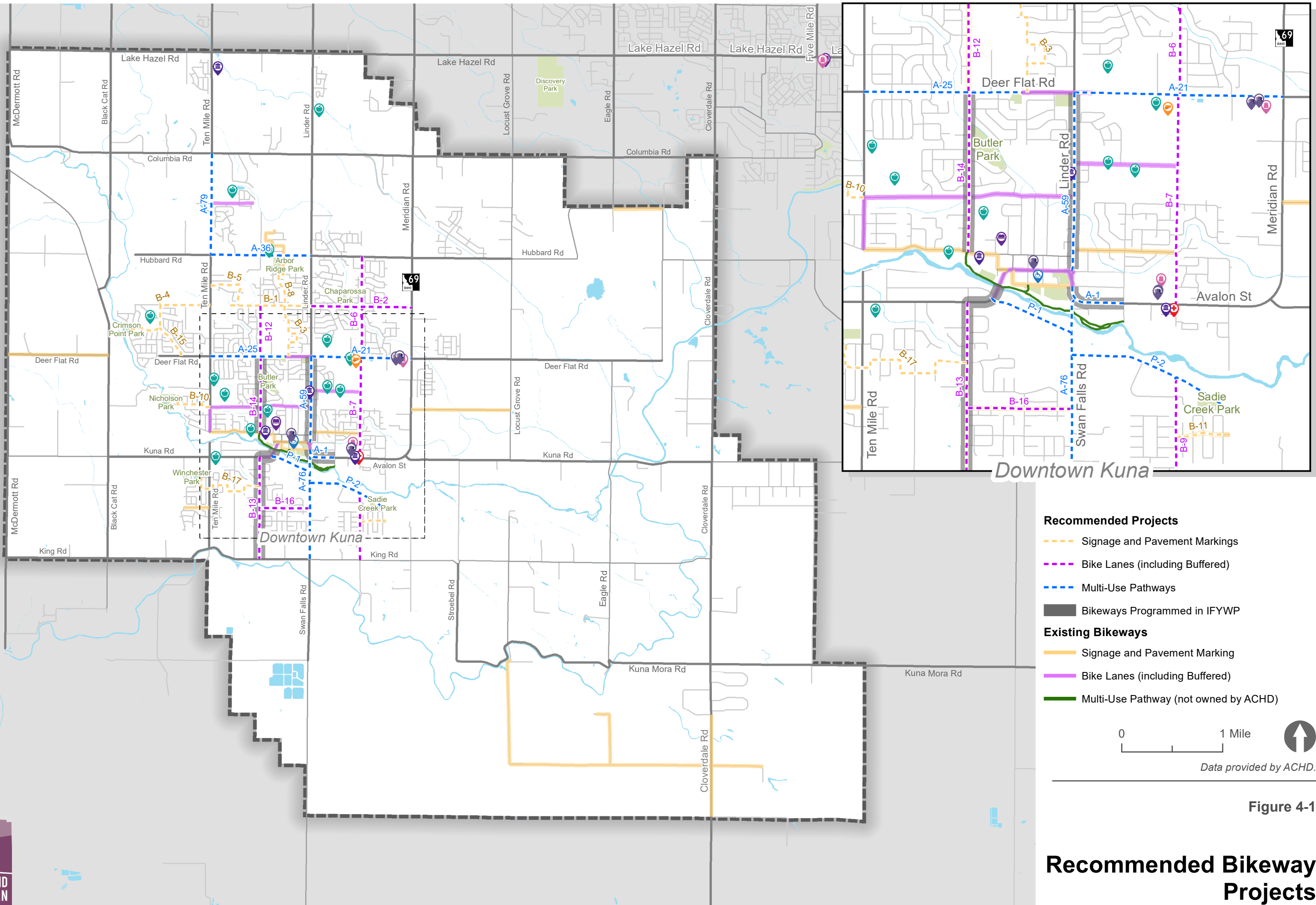
Project ID	Project Type	Project Name ¹	Project Description ²	Priority
B-17	Bike	Yukon Drive/Placerville Drive/Kerf Street/Penelope Street/Omphale Street, Winchester Park / School Avenue	Install bikeway pavement markings and wayfinding signs along Yukon Drive/Placerville Drive/Kerf Street/Penelope Street/Omphale Street from Winchester Park to School Avenue. Install additional bicyclist and pedestrian enhancements as appropriate. Crossings to be installed at School Avenue (C-15), Ash Avenue (C-3), and Ten Mile Road (C-19).	Medium
Multi-Use Pathway				
P-1	Multi-Use Pathway	Shortline Street, Avalon Street / Swan Falls Road	Install multi-use pathway along the north or south side of Shortline Street	High
P-2	Multi-Use Pathway	Stagecoach Way, Swan Falls Road / Sadie Creek Park	Install multi-use pathway along the north or south side of Stagecoach Way	Medium
Sidewalks				
S-1	Sidewalk	4th Street, N Avenue E / N Avenue A	Install sidewalk on the south side of 4th Street. Include pedestrian enhancements as appropriate.	High
S-2	Sidewalk	Ardell Road, Rubine Lane / Ten Mile Road	Fill in gaps in existing sidewalks along Ardell Road.	Low
S-3	Sidewalk	Ardell Road, Teed Lateral Canal / Linder Road	Fill in gaps in existing sidewalks along Ardell Road.	Low
S-4	Sidewalk	Ash Avenue, 200' South of Penelope Street / King Road	Install sidewalk on both sides of Ash Avenue.	Low
S-5	Sidewalk	Ash Avenue, Avalon Street / 200 feet South of Penelope Street	Fill in gaps in existing sidewalks along Ash Avenue. Include pedestrian enhancements as appropriate.	Medium
S-6	Sidewalk	E 4th Street, Linder Avenue / 170 feet West of Kay Street	Install sidewalk on the south side of E 4th Street. Include pedestrian enhancements as appropriate.	Medium
S-7	Sidewalk	Kay Avenue, Ardell Road / Deer Flat Road	Install sidewalk on both sides of Kay Avenue.	High
S-8	Sidewalk	Kay Avenue, Hubbard Road / Ardell Road	Install sidewalk on the west side of Kay Avenue.	Low
S-9	Sidewalk	Kay Avenue, Deer Flat Road / Limestone Street	Install sidewalk on the east side of Kay Avenue.	Medium
S-10	Sidewalk	Luker Road, Great Bear Street / King Road	Install sidewalk on the east side of Luker Road.	Low
S-11	Sidewalk	Main Street, N Avenue E / Bridge Avenue	Install sidewalk on the south side of Main Street.	High
S-12	Sidewalk	Meadow View Road, Meridian Road / Locust Grove Road	Install sidewalk on both sides of Meadow View Road.	Low
S-13	Sidewalk	N Avenue A, 2nd Street / Avenue A	Install sidewalk on both sides of N Avenue A. Include pedestrian enhancements to match the existing and proposed sidewalk.	High
S-14	Sidewalk	N Avenue B, 4th Street / 2nd Street	Fill in gaps in existing sidewalks along N Avenue B. This project is included in the Integrated Five-Year Work Plan. Include pedestrian enhancements to match the existing and proposed sidewalk.	IFYWP
S-15	Sidewalk	N Avenue C, 4th Street / 2nd Street	Fill in gaps in existing sidewalks along N Avenue C. This project is included in the Integrated Five-Year Work Plan. Include pedestrian enhancements to match the existing and proposed sidewalk.	IFYWP
S-16	Sidewalk	N Avenue D, 4th Street / 2nd Street	Install sidewalk on the west side of N Avenue D. This project is included in the Integrated Five-Year Work Plan. Include pedestrian enhancements to match the existing and proposed sidewalk.	IFYWP
S-17	Sidewalk	Orchard Avenue, E 4th Street / Avalon Street	Install sidewalk on both sides of Orchard Avenue.	High
S-18	Sidewalk	Sailer Place, Avalon Street / Odyssey Street	Install sidewalk on both sides of Sailer Place.	Low
S-19	Sidewalk	School Avenue, Ardell Road / Deer Flat Road	Install sidewalk on the east side of School Avenue.	Low
S-20	Sidewalk	School Avenue, Avalon Street / King Road	Fill in gaps in existing sidewalks along School Avenue. This project is included in the Integrated Five-Year Work Plan.	IFYWP
S-21	Sidewalk	Shayla Avenue, Ardell Road / Henna Street	Install sidewalk on the west side of Shayla Avenue.	Medium
S-22	Sidewalk	Sunbeam Street, School Avenue / Jake Avenue	Install sidewalk on the north side of Sunbeam Street.	Low
Crossings				
C-1	Crossing	4th Street / Orchard Avenue	Install pedestrian crossing enhancements to existing crossing.	Low



Project ID	Project Type	Project Name ¹	Project Description ²	Priority
C-2	Crossing	Ardell Road / Blue Blossom Way	Install marked crosswalk with appropriate bike/pedestrian enhancements and flashing beacons.	Low
C-3	Crossing	Ash Avenue / Penelope Street	Install marked crosswalk with appropriate bike/pedestrian enhancements.	Low
C-4	Crossing	Avalon St / Orchard Ave	Install marked crosswalk with appropriate bike/pedestrian enhancements and full bike/pedestrian signal or pedestrian hybrid beacon. This project is included in the Integrated Five-Year Work Plan.	IFYWP
C-5	Crossing	Avalon Street / Kay Ave	Install marked crosswalk with appropriate bike/pedestrian enhancements and full bike/pedestrian signal or pedestrian hybrid beacon. This intersection will likely be signalized in the future.	High
C-6	Crossing	Bridge Avenue / Shortline Street	Install marked crosswalk with appropriate bike/pedestrian enhancements and flashing beacons.	High
C-7	Crossing	Deer Flat Rd / Kay Ave	Install marked crosswalk with appropriate bike/pedestrian enhancements and full bike/pedestrian signal or pedestrian hybrid beacon. This intersection may be a roundabout or signalized in the future.	High
C-8	Crossing	Deer Flat Road / Deerhorn Avenue	Install marked crosswalk with appropriate bike/pedestrian enhancements and flashing beacons.	High
C-9	Crossing	Deer Flat Road / Sailer Way	Install marked crosswalk with appropriate bike/pedestrian enhancements and full bike/pedestrian signal or pedestrian hybrid beacon.	High
C-10	Crossing	Hubbard Rd / Kelsan Ave	Install marked crosswalk with appropriate bike/pedestrian enhancements and full bike/pedestrian signal or pedestrian hybrid beacon.	High
C-11	Crossing	Hubbard Rd / Saratov Ave	Install marked crosswalk with appropriate bike/pedestrian enhancements and full bike/pedestrian signal or pedestrian hybrid beacon.	Medium
C-12	Crossing	Linder Rd / Ardell Rd	Install marked crosswalk with appropriate bike/pedestrian enhancements and flashing beacons.	Medium
C-13	Crossing	Linder Rd / Porter Rd	Install marked crosswalk with appropriate bike/pedestrian enhancements.	IFYWP
C-14	Crossing	Luker Road / Sadie Creek Drive	Install marked crosswalk with appropriate bike/pedestrian enhancements and flashing beacons.	Medium
C-15	Crossing	School Ave / Omphale St	Install marked crosswalk with appropriate bike/pedestrian enhancements.	Low
C-16	Crossing	Sunbeam Street / Jake Avenue	Install marked crosswalk with appropriate bike/pedestrian enhancements.	Low
C-17	Crossing	Swan Falls Rd / Stagecoach Way	Install marked crosswalk with appropriate bike/pedestrian enhancements and flashing beacons.	Low
C-18	Crossing	Ten Mile Rd / Ardell Rd	Install marked crosswalk with appropriate bike/pedestrian enhancements and full bike/pedestrian signal or pedestrian hybrid beacon.	Medium
C-19	Crossing	Ten Mile Road / Placerville Drive	Install marked crosswalk with appropriate bike/pedestrian enhancements.	Medium
C-20	Crossing	Ten Mile Road / Segoe Prairie Street	Install marked crosswalk with appropriate bike/pedestrian enhancements and flashing beacons.	Medium

¹Crossing Project Name = "Major Roadway / Minor Roadway"; crossing facilities cross major roadway at or near the minor roadway location.

²Bike/Pedestrian Enhancements: Additional components of the bike/pedestrian treatments that aim to improve safety and comfort for pedestrians and bicyclists (e.g., bulb-outs/curb extensions)



Recommended Projects

- Signage and Pavement Markings
- Bike Lanes (including Buffered)
- Multi-Use Pathways
- Bikeways Programmed in IFYWP

Existing Bikeways

- Signage and Pavement Marking
- Bike Lanes (including Buffered)
- Multi-Use Pathway (not owned by ACHD)



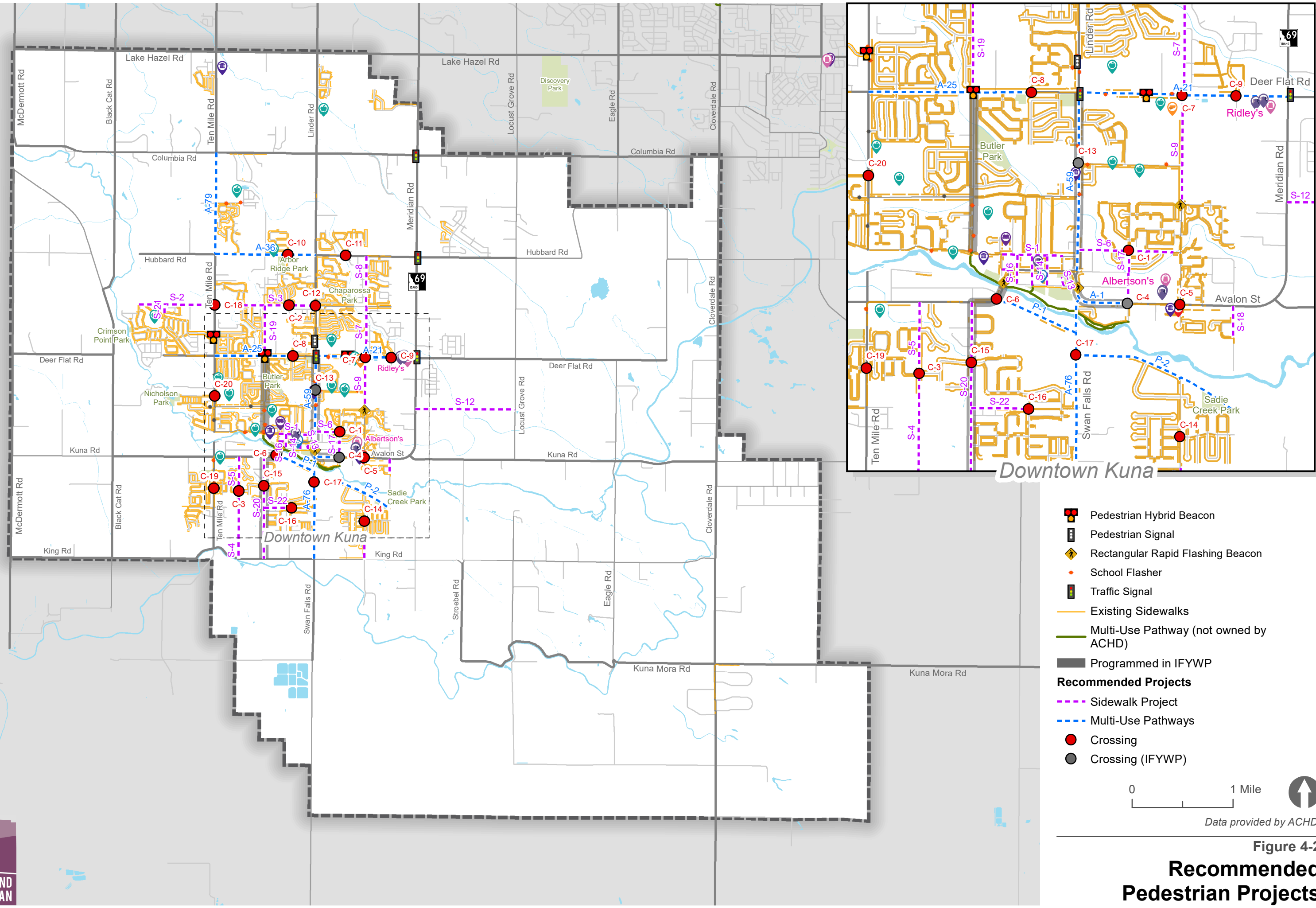
Data provided by ACHD.

Figure 4-1

Recommended Bikeway Projects



KUNA BICYCLE AND PEDESTRIAN PLAN



- Pedestrian Hybrid Beacon
- Pedestrian Signal
- Rectangular Rapid Flashing Beacon
- School Flasher
- Traffic Signal
- Existing Sidewalks
- Multi-Use Pathway (not owned by ACHD)
- Programmed in IFYWP
- Recommended Projects**
- Sidewalk Project
- Multi-Use Pathways
- Crossing
- Crossing (IFYWP)

0 1 Mile

Data provided by ACHD.

Figure 4-2
Recommended Pedestrian Projects



Table 4 - 2 Recommended Major Roadway Projects

Project ID	Project Type	Project Name	Project Description ¹	Priority ²
Major Roadway Projects – Prioritized				
A-1	Multi-Use Pathway	Avalon Street, 2nd Street / Orchard Avenue	Install a multi-use pathway along the south side of Avalon Street. A project is included in the Integrated Five-Year Work Plan to construct a multi-use path on the north side of Avalon Street.	High
A-21	Multi-Use Pathway	Deer Flat Road, Linder Road / Meridian Road	Install multi-use pathways along both sides of Deer Flat Road. Installation of temporary bike/pedestrian facilities is recommended. This project is included in the 2020 Capital Improvement Plan (Project ID 300).	High
A-25	Multi-Use Pathway	Deer Flat Road, Ten Mile Road / Deerrhorn Avenue	Install multi-use pathways along both sides of Deer Flat Road. Installation of temporary bike/pedestrian facilities is recommended.	High
A-36	Multi-Use Pathway	Hubbard Road, Ten Mile Road / Linder Road	Install multi-use pathways along both sides of Hubbard Road. Installation of temporary bike/pedestrian facilities is recommended.	High
A-59	Multi-Use Pathway	Linder Road, Deer Flat Road / 4th Street	Install multi-use pathways along both sides of Linder Road. Installation of temporary bike/pedestrian facilities is recommended. This project is included in the Integrated Five-Year Work Plan and includes a crossing at Porter Street (C-13).	IFYWP
A-76	Multi-Use Pathway	Swan Falls Road, Avalon Street / King Road	Install multi-use pathways along both sides of Swan Falls Road. Installation of temporary bike/pedestrian facilities is recommended. Additional study of the Indian Creek crossing will be necessary.	High
A-79	Multi-Use Pathway	Ten Mile Road, Columbia Road / Hubbard Road	Install multi-use pathways along both sides of Ten Mile Road. Installation of temporary bike/pedestrian facilities is recommended. This project is included in the 2020 Capital Improvement Plan (Project ID 1270).	Medium
Major Roadway Projects – Not Prioritized				
A-2	Multi-Use Pathway	Avalon Street, Ten Mile Road / Shortline Street	Install multi-use pathways along both sides of Avalon Street.	
A-3	Multi-Use Pathway	Black Cat Road, Columbia Road / Greenhurst Road	Install multi-use pathways along both sides of Black Cat Road.	
A-4	Multi-Use Pathway	Black Cat Road, Deer Flat Road / Kuna Road	Install multi-use pathways along both sides of Black Cat Road.	
A-5	Multi-Use Pathway	Black Cat Road, Kuna Road / King Road	Install multi-use pathways along both sides of Black Cat Road.	
A-6	Multi-Use Pathway	Black Cat Road, Lake Hazel Road / Columbia Road	Install multi-use pathways along both sides of Black Cat Road.	
A-7	Multi-Use Pathway	Cloverdale Road, Columbia Road / Hubbard Road	Install multi-use pathways along both sides of Cloverdale Road. This project is included in the 2020 Capital Improvement Plan (Project ID 240).	
A-8	Multi-Use Pathway	Cloverdale Road, Deer Flat Road / Kuna Road	Install multi-use pathways along both sides of Cloverdale Road. This project is included in the 2020 Capital Improvement Plan (Project ID 220).	
A-9	Multi-Use Pathway	Cloverdale Road, Hubbard Road / Deer Flat Road	Install multi-use pathways along both sides of Cloverdale Road. This project is included in the 2020 Capital Improvement Plan (Project ID 230).	
A-10	Multi-Use Pathway	Cloverdale Road, King Road / Kuna Mora Road	Install multi-use pathways along both sides of Cloverdale Road.	
A-11	Multi-Use Pathway	Cloverdale Road, Kuna Mora Road / Barker Road	Install multi-use pathways along both sides of Cloverdale Road.	
A-12	Multi-Use Pathway	Cloverdale Road, Kuna Road / King Road	Install multi-use pathways along both sides of Cloverdale Road.	
A-13	Multi-Use Pathway	Columbia Road, Black Cat Road / Ten Mile Road	Install multi-use pathways along both sides of Columbia Road.	
A-14	Multi-Use Pathway	Columbia Road, Linder Road / Meridian Road	Install multi-use pathways along both sides of Columbia Road.	
A-15	Multi-Use Pathway	Columbia Road, Locust Grove Road / Shoemaker Lane	Install multi-use pathways along both sides of Columbia Road.	
A-16	Multi-Use Pathway	Columbia Road, McDermott Road / Columbia Road	Install multi-use pathways along both sides of Columbia Road.	
A-17	Multi-Use Pathway	Columbia Road, Meridian Road / Locust Grove Road	Install multi-use pathways along both sides of Columbia Road.	
A-18	Multi-Use Pathway	Columbia Road, Stewart Road / Cloverdale Road	Install multi-use pathways along both sides of Columbia Road.	



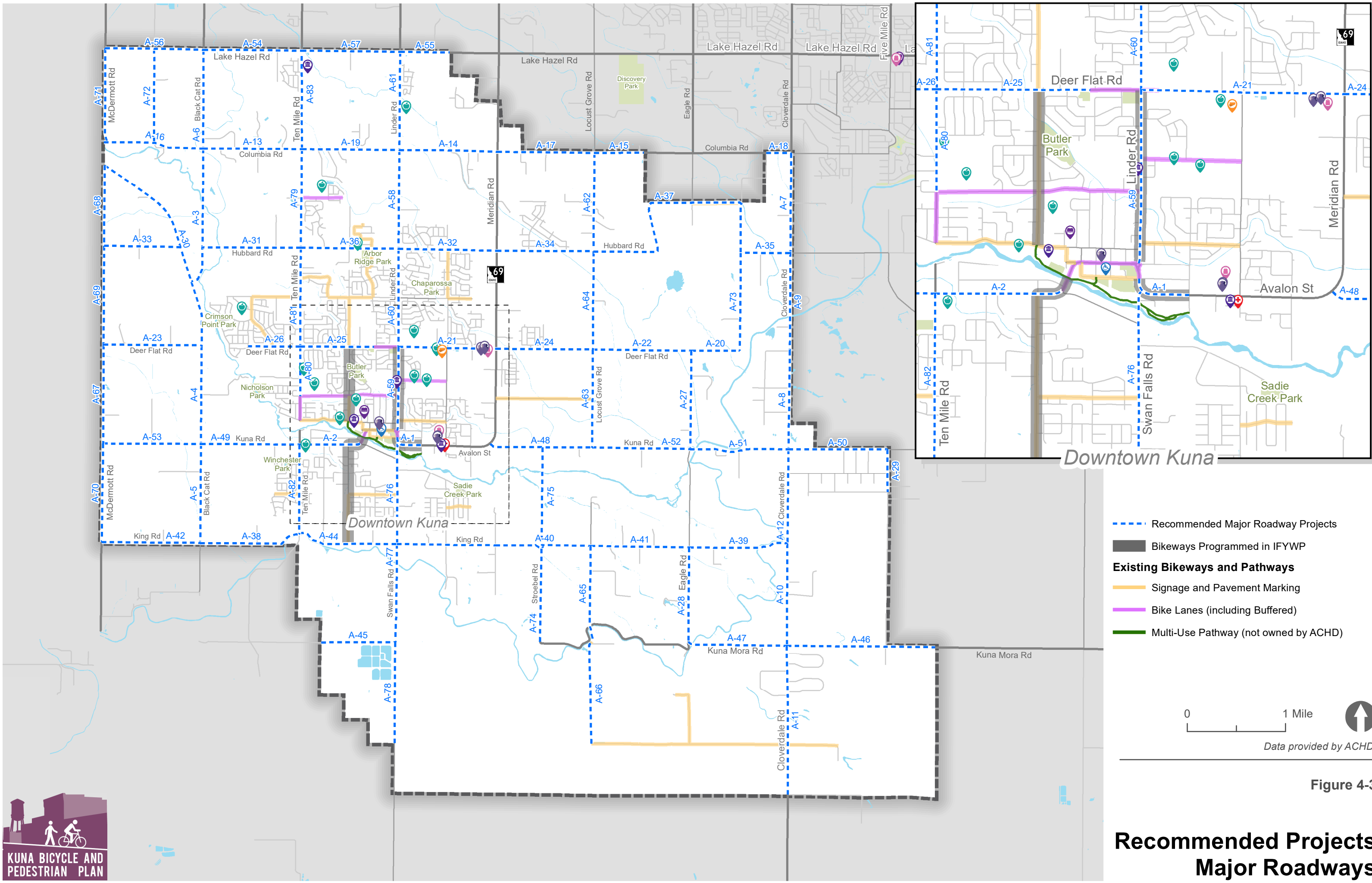
Project ID	Project Type	Project Name	Project Description ¹	Priority ²
A-19	Multi-Use Pathway	Columbia Road, Ten Mile Road / Linder Road	Install multi-use pathways along both sides of Columbia Road.	
A-20	Multi-Use Pathway	Deer Flat Road, Eagle Road / Stewart Road	Install multi-use pathways along both sides of Deer Flat Road. This project is included in the 2020 Capital Improvement Plan (Project ID 330).	
A-22	Multi-Use Pathway	Deer Flat Road, Locust Grove Road / Eagle Road	Install multi-use pathways along both sides of Deer Flat Road. This project is included in the 2020 Capital Improvement Plan (Project ID 320).	
A-23	Multi-Use Pathway	Deer Flat Road, McDermott Road / Black Cat Road	Install multi-use pathways along both sides of Deer Flat Road.	
A-24	Multi-Use Pathway	Deer Flat Road, Meridian Road / Locust Grove Road	Install multi-use pathways along both sides of Deer Flat Road. This project is included in the 2020 Capital Improvement Plan (Project ID 310).	
A-26	Multi-Use Pathway	Deer Flat Road, Veridian Avenue / Ten Mile Road	Install multi-use pathways along both sides of Deer Flat Road.	
A-27	Multi-Use Pathway	Eagle Road, Deer Flat Road / Kuna Road	Install multi-use pathways along both sides of Eagle Road.	
A-28	Multi-Use Pathway	Eagle Road, King Road / Kuna Mora Road	Install multi-use pathways along both sides of Eagle Road.	
A-29	Multi-Use Pathway	Five Mile Road, Kuna Road / Gila Drive	Install multi-use pathways along both sides of Five Mile Road.	
A-30	Multi-Use Pathway	Greenhurst Road/Black Cat Road, McDermott Road / Deer Flat Road	Install multi-use pathways along both sides of Greenhurst Road/Black Cat Road.	
A-31	Multi-Use Pathway	Hubbard Road, Black Cat Road / Ten Mile Road	Install multi-use pathways along both sides of Hubbard Road.	
A-32	Multi-Use Pathway	Hubbard Road, Linder Road / Meridian Road	Install multi-use pathways along both sides of Hubbard Road.	
A-33	Multi-Use Pathway	Hubbard Road, McDermott Road / Greenhurst Road	Install multi-use pathways along both sides of Hubbard Road.	
A-34	Multi-Use Pathway	Hubbard Road, Meridian Road / Locust Grove Road	Install multi-use pathways along both sides of Hubbard Road. This project is included in the 2020 Capital Improvement Plan (Project ID 630).	
A-35	Multi-Use Pathway	Hubbard Road, Stewart Road / Cloverdale Road	Install multi-use pathways along both sides of Hubbard Road.	
A-37	Multi-Use Pathway	Hubbard Road/Stewart Road, Locust Grove Road / Hubbard Road	Install multi-use pathways along both sides of Hubbard Road/Stewart Road.	
A-38	Multi-Use Pathway	King Road, Black Cat Road / Ten Mile Road	Install multi-use pathways along both sides of King Road.	
A-39	Multi-Use Pathway	King Road, Eagle Road / Cloverdale Road	Install multi-use pathways along both sides of King Road.	
A-40	Multi-Use Pathway	King Road, Kuna-Meridian Road / Locust Grove Road	Install multi-use pathways along both sides of King Road. This project is included in the 2020 Capital Improvement Plan (Project ID 650).	
A-41	Multi-Use Pathway	King Road, Locust Grove Road / Eagle Road	Install multi-use pathways along both sides of King Road. This project is included in the 2020 Capital Improvement Plan (Project ID 660).	
A-42	Multi-Use Pathway	King Road, McDermott Road / Black Cat Road	Install multi-use pathways along both sides of King Road.	
A-43	Multi-Use Pathway	King Road, Swan Falls Road / Kuna-Meridian Road	Install multi-use pathways along both sides of King Road. This project is included in the 2020 Capital Improvement Plan (Project ID 640).	
A-44	Multi-Use Pathway	King Road, Ten Mile Road / Swan Falls Road	Install multi-use pathways along both sides of King Road.	
A-45	Multi-Use Pathway	Kuna Mora Road, 1400 feet East of Ten Mile Road / Swan Falls Road	Install multi-use pathways along both sides of Kuna Mora Road.	
A-46	Multi-Use Pathway	Kuna Mora Road, Cloverdale Road / 1/2 Mile East of Five Mile Road	Install multi-use pathways along both sides of Kuna Mora Road.	
A-47	Multi-Use Pathway	Kuna Mora Road, Eagle Road / Cloverdale Road	Install multi-use pathways along both sides of Kuna Mora Road.	
A-48	Multi-Use Pathway	Kuna Road, Avalon Road / Locust Grove Road	Install multi-use pathways along both sides of Kuna Road.	
A-49	Multi-Use Pathway	Kuna Road, Black Cat Road / Ten Mile Road	Install multi-use pathways along both sides of Kuna Road.	
A-50	Multi-Use Pathway	Kuna Road, Cloverdale Road / Five Mile Road	Install multi-use pathways along both sides of Kuna Road.	
A-51	Multi-Use Pathway	Kuna Road, Eagle Road / Cloverdale Road	Install multi-use pathways along both sides of Kuna Road.	
A-52	Multi-Use Pathway	Kuna Road, Locust Grove Road / Eagle Road	Install multi-use pathways along both sides of Kuna Road.	
A-53	Multi-Use Pathway	Kuna Road, McDermott Road / Black Cat Road	Install multi-use pathways along both sides of Kuna Road.	



Project ID	Project Type	Project Name	Project Description ¹	Priority ²
A-54	Multi-Use Pathway	Lake Hazel Road, Black Cat Road / Ten Mile Road	Install multi-use pathways along both sides of Lake Hazel Road.	
A-55	Multi-Use Pathway	Lake Hazel Road, Linder Road / 600' West of Cochrane Dr	Install multi-use pathways along both sides of Lake Hazel Road. This project is included in the 2020 Capital Improvement Plan (Project ID 670).	
A-56	Multi-Use Pathway	Lake Hazel Road, McDermott Road / Black Cat Road	Install multi-use pathways along both sides of Lake Hazel Road.	
A-57	Multi-Use Pathway	Lake Hazel Road, Ten Mile Road / Linder Road	Install multi-use pathways along both sides of Lake Hazel Road.	
A-58	Multi-Use Pathway	Linder Road, Columbia Road / Hubbard Road	Install multi-use pathways along both sides of Linder Road.	
A-60	Multi-Use Pathway	Linder Road, Hubbard Road / Deer Flat Road	Install multi-use pathways along both sides of Linder Road.	
A-61	Multi-Use Pathway	Linder Road, Lake Hazel Road / Columbia Road	Install multi-use pathways along both sides of Linder Road.	
A-62	Multi-Use Pathway	Locust Grove Road, Columbia Road / Hubbard Road	Install multi-use pathways along both sides of Locust Grove Road.	
A-63	Multi-Use Pathway	Locust Grove Road, Deer Flat Road / Kuna Road	Install multi-use pathways along both sides of Locust Grove Road.	
A-64	Multi-Use Pathway	Locust Grove Road, Hubbard Road / Deer Flat Road	Install multi-use pathways along both sides of Locust Grove Road.	
A-65	Multi-Use Pathway	Locust Grove Road, King Road / Lava Lane	Install multi-use pathways along both sides of Locust Grove Road.	
A-66	Multi-Use Pathway	Locust Grove Road, Lava Lane / Barker Road	Install multi-use pathways along both sides of Locust Grove Road.	
A-67	Multi-Use Pathway	McDermott Road, Deer Flat Road / Kuna Road	Install multi-use pathways along both sides of McDermott Road.	
A-68	Multi-Use Pathway	McDermott Road, Greenhurst Road / Hubbard Road	Install multi-use pathways along both sides of McDermott Road.	
A-69	Multi-Use Pathway	McDermott Road, Hubbard Road / Deer Flat Road	Install multi-use pathways along both sides of McDermott Road.	
A-70	Multi-Use Pathway	McDermott Road, Kuna Road / King Road	Install multi-use pathways along both sides of McDermott Road.	
A-71	Multi-Use Pathway	McDermott Road, Lake Hazel Road / Columbia Road	Install multi-use pathways along both sides of McDermott Road.	
A-72	Multi-Use Pathway	Ridgeview Road, Lake Hazel Road / Columbia Road	Install multi-use pathways along both sides of Ridgeview Road.	
A-73	Multi-Use Pathway	Stewart Road, Hubbard Road / Deer Flat Road	Install multi-use pathways along both sides of Stewart Road.	
A-74	Multi-Use Pathway	Stroebel Road, King Road / Kuna Mora Road	Install multi-use pathways along both sides of Stroebel Road.	
A-75	Multi-Use Pathway	Stroebel Road, Kuna Road / King Road	Install multi-use pathways along both sides of Stroebel Road.	
A-77	Multi-Use Pathway	Swan Falls Road, King Road / Kuna Mora Road	Install multi-use pathways along both sides of Swan Falls Road.	
A-78	Multi-Use Pathway	Swan Falls Road, Kuna Mora Road / 1 Mile South of Kuna Mora Road	Install multi-use pathways along both sides of Swan Falls Road.	
A-80	Multi-Use Pathway	Ten Mile Road, Deer Flat Road / Boise Street	Install multi-use pathways along both sides of Ten Mile Road.	
A-81	Multi-Use Pathway	Ten Mile Road, Hubbard Road / Deer Flat Road	Install multi-use pathways along both sides of Ten Mile Road. This project is included in the 2020 Capital Improvement Plan (Project ID 1260).	
A-82	Multi-Use Pathway	Ten Mile Road, Kuna Road / King Road	Install multi-use pathways along both sides of Ten Mile Road.	
A-83	Multi-Use Pathway	Ten Mile Road, Lake Hazel Road / Columbia Road	Install multi-use pathways along both sides of Ten Mile Road. This project is included in the 2020 Capital Improvement Plan (Project ID 1280).	

¹Examples of temporary installments can be found in **Appendix D**.

²Priority: Only major roadway projects that received a high amount of public feedback were prioritized. Projects on arterial roadways are typically built through ACHD's Capital Improvement Plan (CIP) process.



- - - Recommended Major Roadway Projects
- Bikeways Programmed in IFYWP
- Existing Bikeways and Pathways**
- Signage and Pavement Marking
- Bike Lanes (including Buffered)
- Multi-Use Pathway (not owned by ACHD)

0 1 Mile

Data provided by ACHD.

Figure 4-3

Recommended Projects Major Roadways

