

HILL CITY MASTER TRANSPORTATION PLAN



HEART OF THE BLACK HILLS™

Recommendations
July 25th, 2023



Agenda



INTRODUCTION TO
METHODS

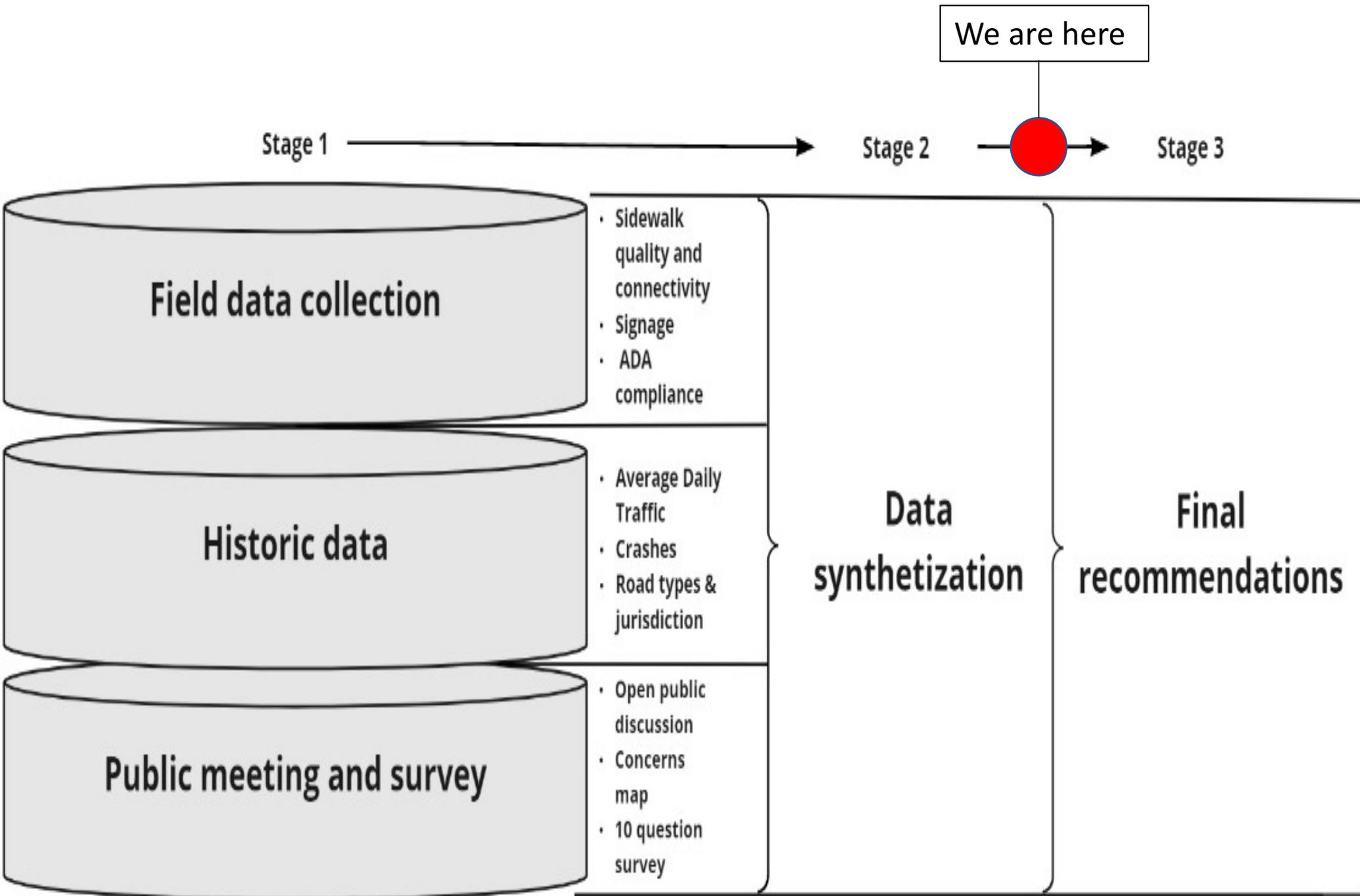


OVERVIEW OF THE
SURVEY RESULTS



RECOMMENDATIONS

Research Methods





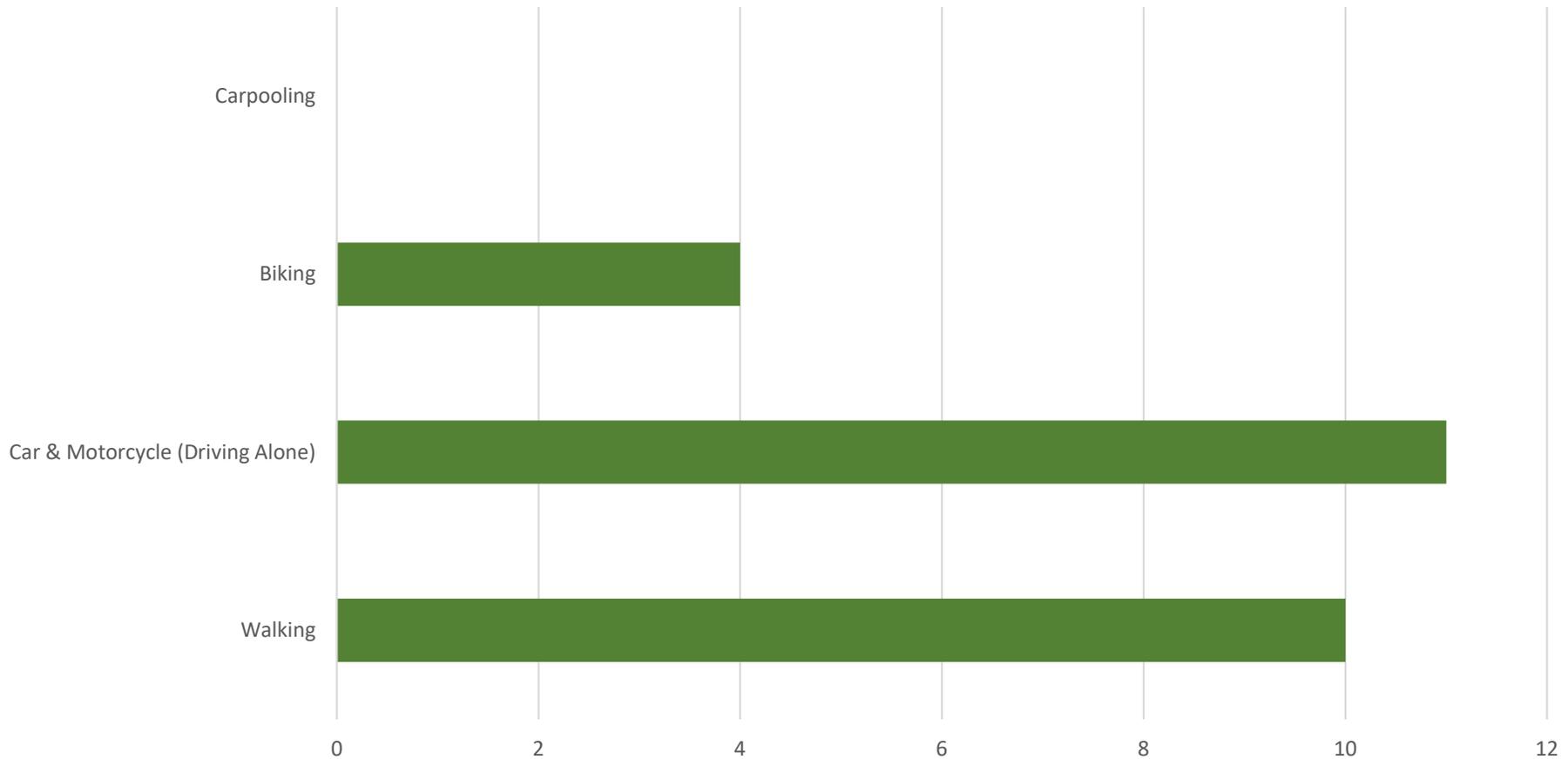
OVERVIEW OF THE SURVEY RESULTS

Public Survey Results

Means of Transportation

This chart shows respondents' means of transportation. Multiple answers were allowed for this question, but it reveals the most popular types of transportation used generally.

What methods of transportation do you currently use in Hill City at any time? (Select all that apply)



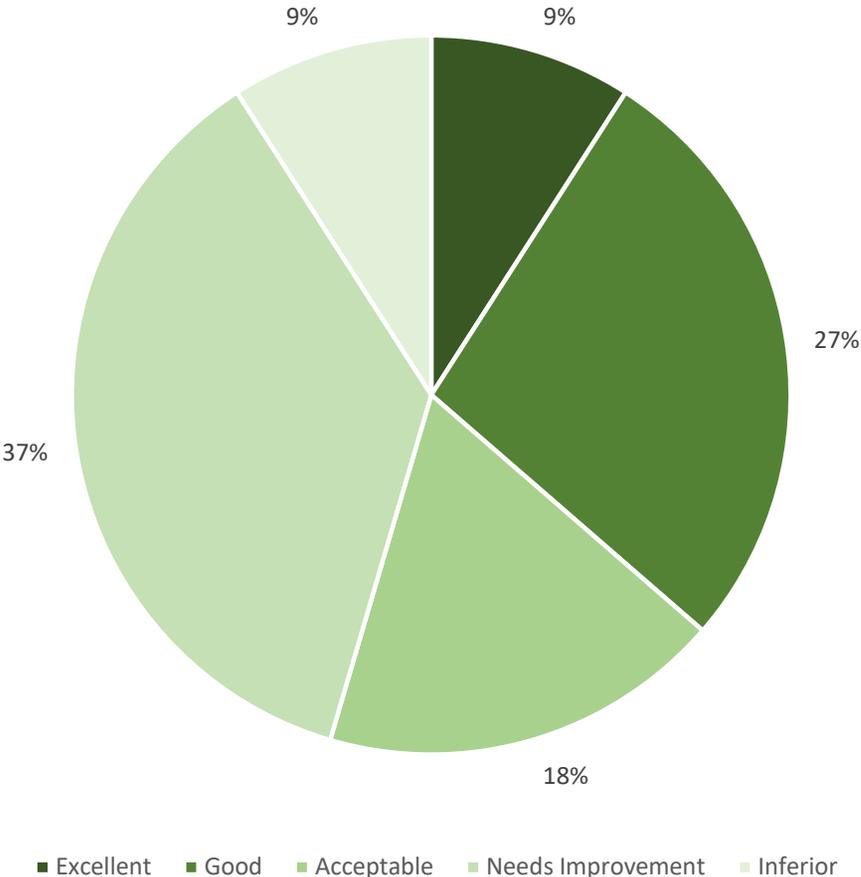
This chart shows that the majority of people drive cars or motorcycles alone, although there is a sizable amount of people that also bike and walk.

Public Survey Results

Views of Existing Issues

The chart below shows how residents in Hill City feel about traffic safety currently

How would you rate traffic safety in Hill City?



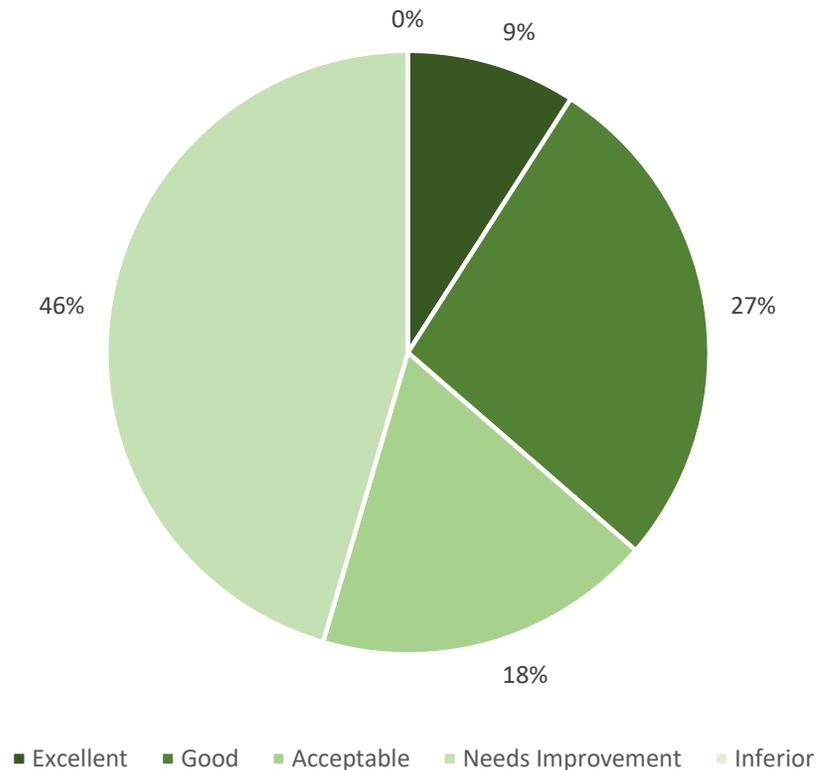
The results of this question reveal that 37% of survey respondents feel that traffic safety in Hill City needs improvement, with a further 9% rating it at inferior. Only 36% of respondents rated the traffic safety at good or better.

Public Survey Results

Evaluation of multimodal infrastructure

This chart shows how survey respondents rated the availability and quality of safe walking and bike facilities in Hill City.

How would you rate the availability and safety of walking and biking facilities (Ex. Sidewalks, Bike Paths, Pedestrian Crosswalks, etc.)?



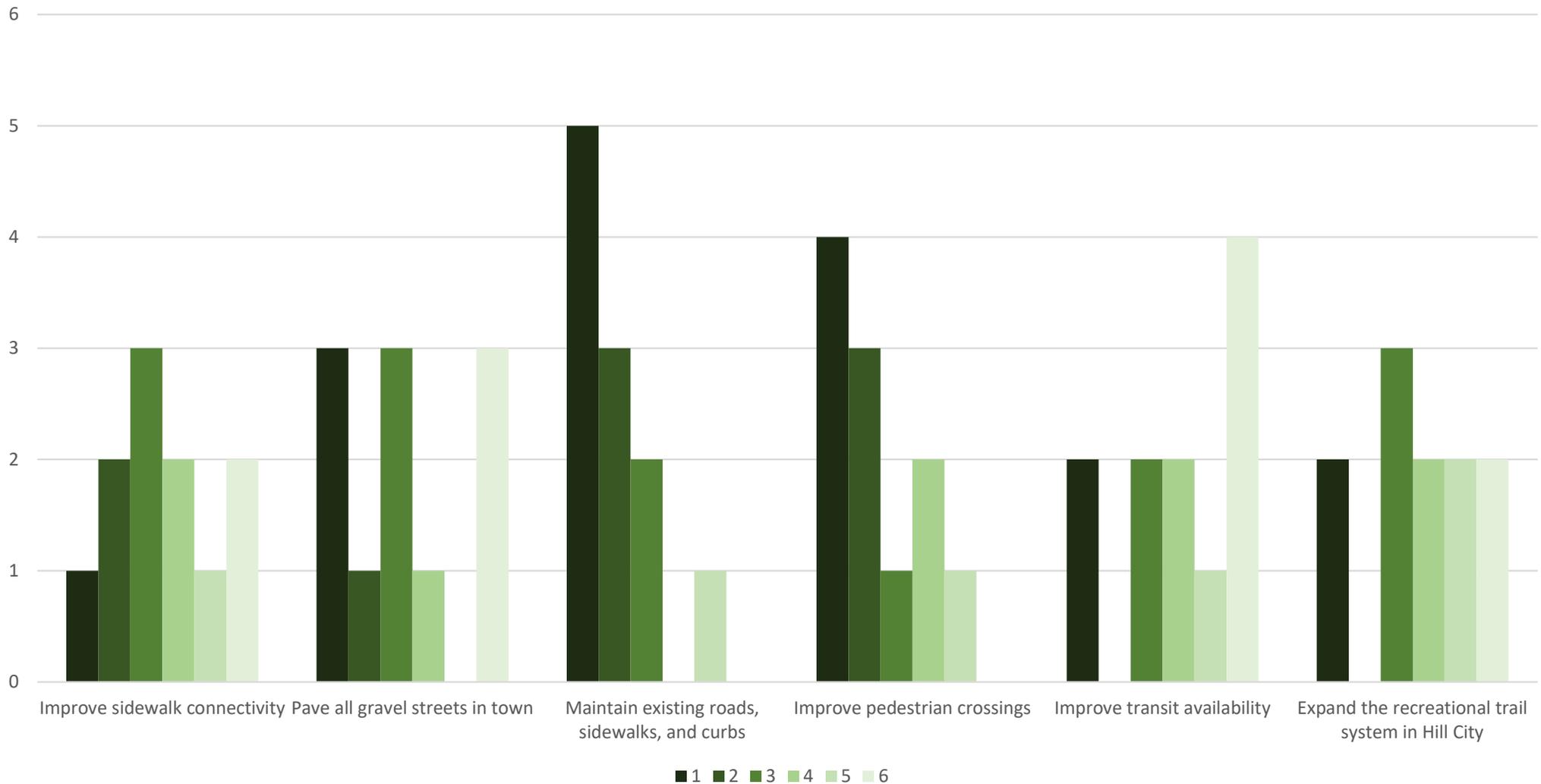
The results from this question show that a significant portion of respondents feel that the availability and safety of pedestrian facilities in Hill City needs to be improved.

Public Survey Results

Most important transportation priorities to address

This chart shows survey results depicting issues that survey respondents feel are most important for the City of Hill City to address. These issues were rated on a scale of 1 to 6, 1 being very important and 6 being unimportant.

Rate the Following from most important to least important:





RECOMMENDATIONS

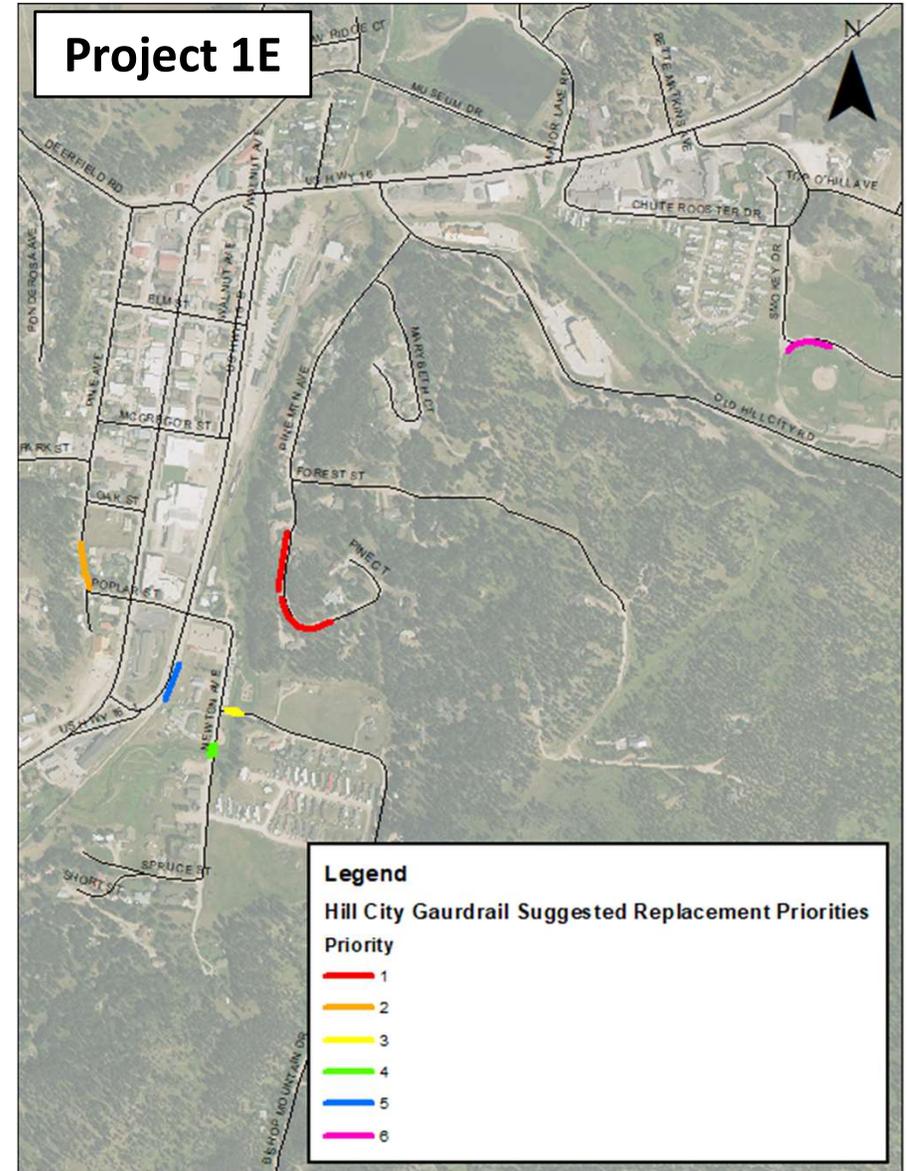
Recommendations

Transportation System

Project Suggested Timeframe	Description	Estimated Cost
Short-Term, 0 to 5 Years	Project 1A: <u>Develop a road paving priority plan.</u>	\$0 (Documentation)
Short-Term, 0 to 5 Years	Project 1B: <u>Develop a sidewalk paving priority plan.</u>	\$0 (Documentation)
Short-Term, 0 to 5 Years	Project 1C: <u>Request the addition of additional Rapid Flashing Beacons (RFBs) at pedestrian crossings on US 16 and US 16B.</u>	\$0 (Documentation)
Short-Term, 0 to 5 Years	Project 1D: <u>Request that the SDDOT reduce the speed limit on US 16 and US 16B through Hill City from 35MPH to 30MPH.</u>	\$0 (Documentation and Enforcement)
Mid-Term, 5 to 10 Years	Project 1E: <u>Remove and replace guardrail to ensure installed guardrail complies with modern standards.</u>	Cost varies, low end estimates at ~\$500 per foot of guardrail for purchase and installation.

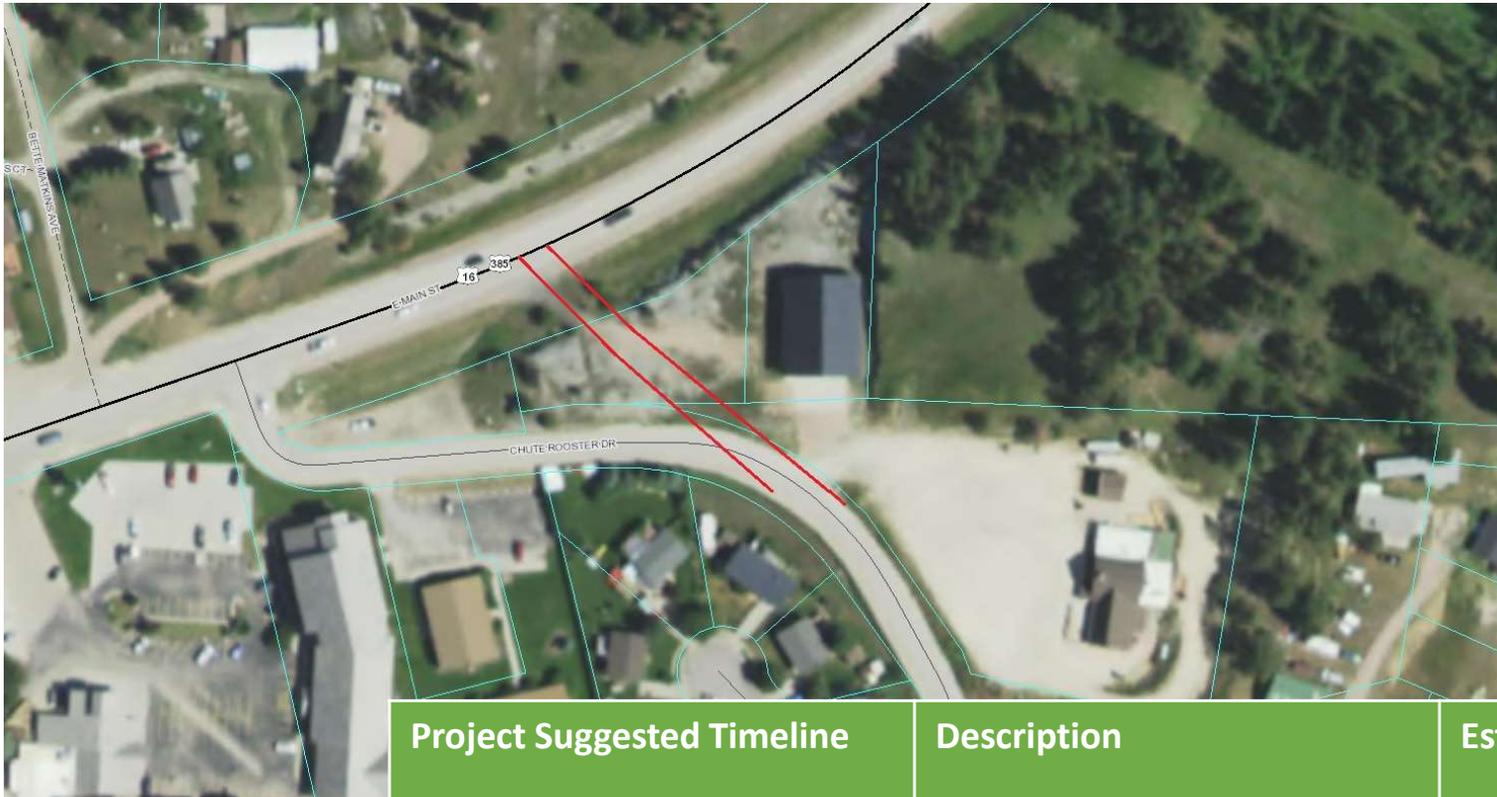
Recommendations

Transportation System



Recommendations

Transportation System



Project Suggested Timeline	Description	Estimated Cost
Long-Term, 10 to 20 Years	Project 1F: <u>Realign the eastern intersection of Chute Rooster Drive and US 16.</u>	Cost varies, dependent on acquiring right of way, volume of rock removal for line of sight.

Recommendations

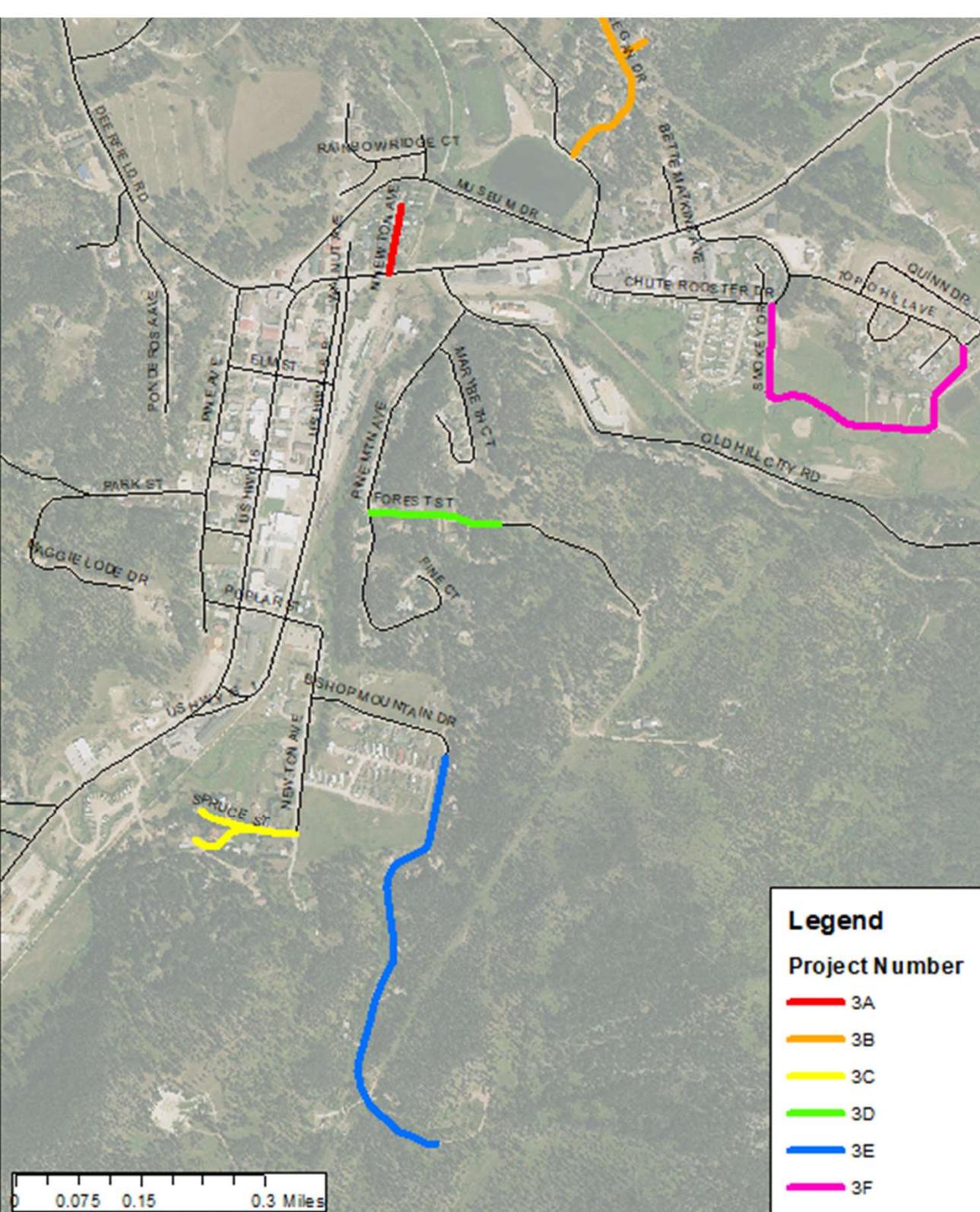
Ordinance and Policy

Project Suggested Timeframe	Description	Estimated Cost
Short-Term, 0 to 5 Years	Project 2A: <u>Develop a pavement preservation plan.</u>	\$0 (Documentation)
Short-Term, 0 to 5 Years	Project 2B: <u>Ensure enforcement of current city ordinances and other applicable laws.</u>	\$0 (Enforcement)
Mid-Term, 5 to 10 Years	Project 2C: <u>Update sidewalk design and placement guidelines in city ordinances.</u>	\$0 (Documentation)
Mid-Term, 5 to 10 Years	Project 2D: <u>Adopt road design standards.</u>	\$0 (Documentation)
Mid-Term, 5 to 10 Years	Project 2E: <u>Continue to partner with local rural transit authority.</u>	\$0 (Documentation)

Recommendations

Example Priority Plans - Roads

Project Suggested Timeframe	Description	Estimated Cost
Short-Term, 0 to 5 Years	Project 3A: <u>Newton Avenue.</u>	*
Short-Term, 0 to 5 Years	Project 3B: <u>Deegan Drive and Lacy's Court.</u>	*
Mid-Term, 5 to 10 Years	Project 3C: <u>Spruce Street and Short Street.</u>	*
Mid-Term, 5 to 10 Years	Project 3D: <u>Forest Street.</u>	*
Long-Term, 10 to 20 Years	Project 3E: <u>Smokey Drive.</u>	*
Long-Term, 10 to 20 Years	Project 3F: <u>Bishop Mountain Drive.</u>	*



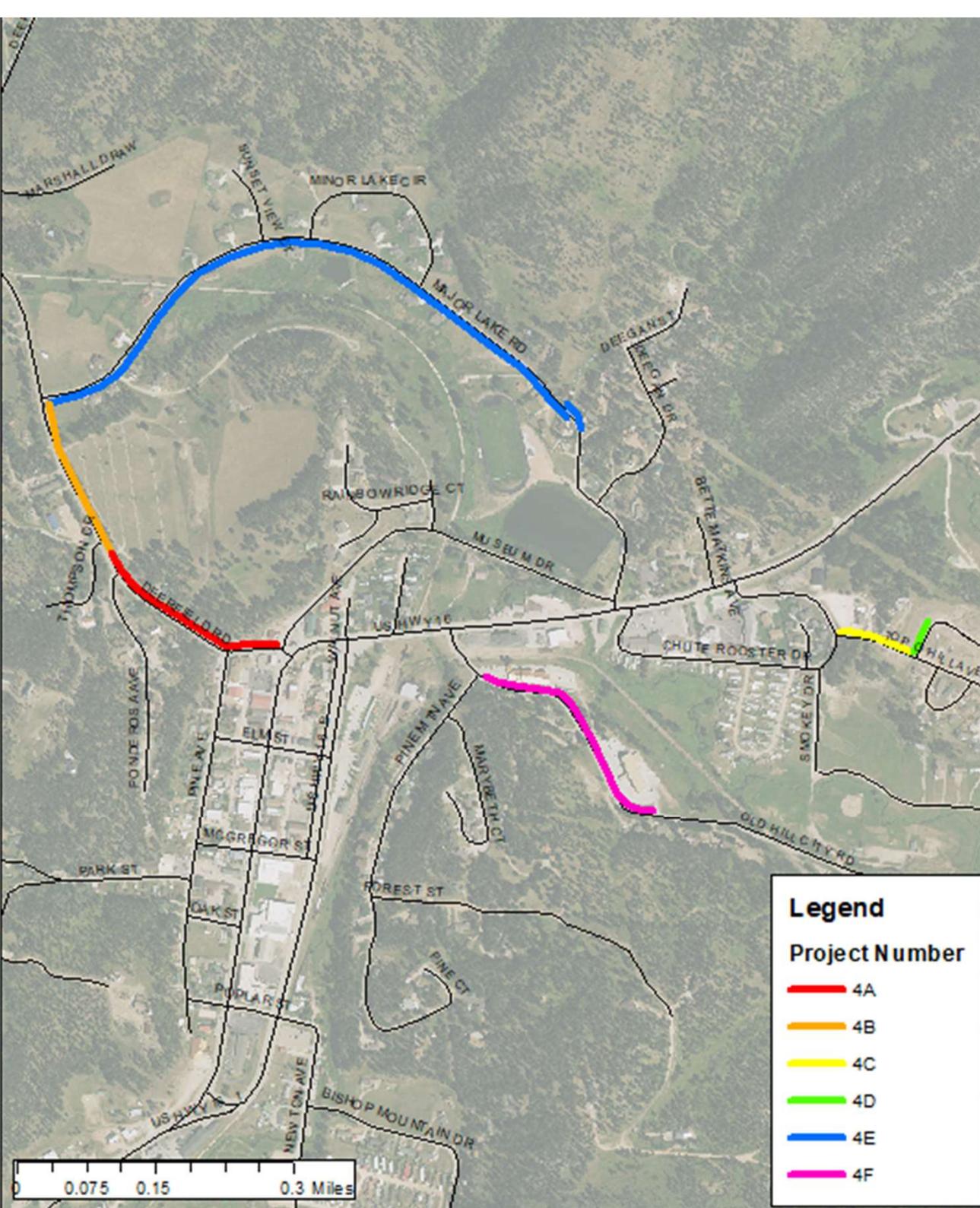
Recommendations

Example Priority Plans -
Roads

Recommendations

Example Priority Plans - Sidewalks

Project Suggested Timeframe	Description	Estimated Cost
Short-Term, 0 to 5 Years	Project 4A: <u>Deerfield Road sidewalk installation from Main Avenue to Robinson Drive.</u>	~\$38,000
Short-Term, 0 to 5 Years	Project 4B: <u>Deerfield Road sidewalk installation from Robinson Drive to Major Lake Drive.</u>	~\$31,000
Mid-Term, 5 to 10 Years	Project 4C: <u>Top O' Hill Avenue from Chute Rooster Drive to Quinn Drive.</u>	~\$14,000
Mid-Term, 5 to 10 Years	Project 4D: <u>Quinn Drive sidewalk installation from Top O' Hill Avenue to existing sidewalk.</u>	~\$5,200
Long-Term, 10 to 20 Years	Project 4E: <u>Major Lake Drive sidewalk installation from Deerfield Road to Deegan Drive.</u>	~\$127,000
Long-Term, 10 to 20 Years	Project 4F: <u>Old Hill City Road sidewalk installation from US Highway 16 to east edge of Comfort Inn & Suites property.</u>	~\$43,000



Recommendations

Example Priority Plans -
Sidewalks

Thank You!

Questions/Comments?

Contact Information



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