



INFRASTRUCTURE REPORT
CITY COUNCIL
DISTRICT 8

austin
MOTION
2016 MOBILITY BOND





ACKNOWLEDGMENTS

June 2019

This report is made possible through the Austin 2016 Mobility Bond. For more information, please contact:

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The consultant team was led by Toole Design Group with support from Asakura Robinson, Dunaway|UDG, GGE Consulting, and Adisa Communications.

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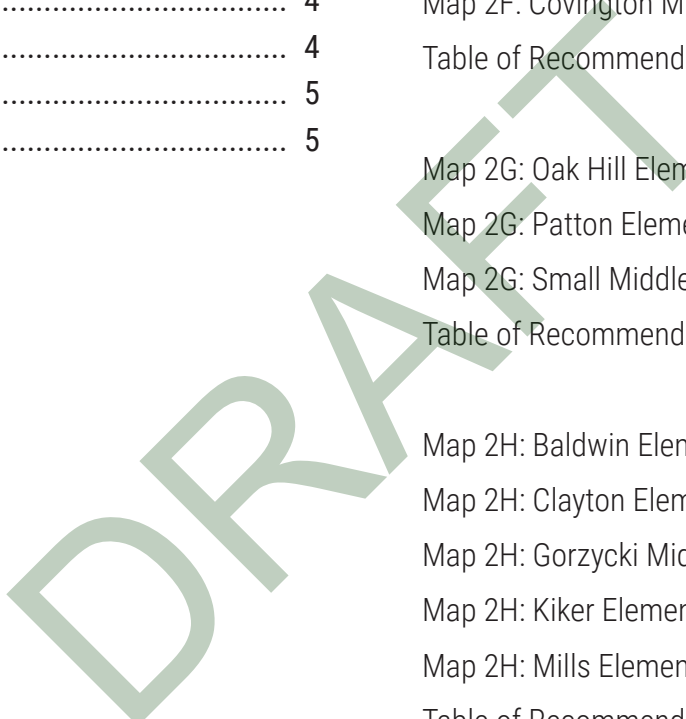


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ABOUT THIS PROJECT

PURPOSE / BACKGROUND

In November 2016, Austin voters approved the 2016 Mobility Bond which provided \$27.5 million for Safe Routes to School improvements. The funding will be equally allocated for school access-related projects in Austin’s ten City Council districts.

To identify projects, the City of Austin hired consultants to evaluate and prioritize improvements to streets, trails, intersections and sidewalks around 130 elementary and middle schools in the City. The City also conducted a robust public engagement effort to inform recommendations, as described later in this report. The project is taking place over two years and was divided into phases based on the school calendar, with two to three council districts in each phase.

- **Phase 1: Fall 2017** – Council Districts 1 and 10, 29 schools
- **Phase 2: Spring 2018** – Council Districts 2, 8 and 9, 37 schools
- **Phase 3: Fall 2018** – Council Districts 3, 5 and 7, 35 schools
- **Phase 4: Spring 2019** – Council Districts 4 and 6, 30 schools

This report explains the process used to develop the recommendations for schools in City Council District 8, and presents a prioritized list of projects. It also presents a map and matrix showing all the recommendations made for each school. Recommended improvements aim to address identified safety or access issues for students walking and biking to school. **Ideas presented in this document are planning-level concepts: many projects will require further feasibility study and engineering evaluation before they can be implemented. In some locations, alternate approaches to address the issue may prove more feasible or more cost effective. Specific infrastructure treatments are defined and explained in the Austin SRTS Engineering Toolkit (Appendix A).**

SCHOOL AUDITS

School audits in District 8 took place the week of March 19, 2018. Audit teams were led by a team of transportation planners and designers, as well as City of Austin staff from the Departments of Public Works and Transportation, and school representatives. School representatives typically included the principal or a designee and 1-2 parent representatives.

Most audits took place in the early morning, with a brief introductory meeting followed by an observation of school arrival. After the school bell rang, the team reconvened to



Walk Audit at Clayton Elementary School



Walk Audit at Mills Elementary School

debrief and discuss next steps. Following the summary meeting, the consultants and City staff completed the assessment of walking and biking infrastructure around the school, focusing on a half-mile radius for pedestrian facility recommendations and up to a two-mile radius for bicycle facilities. The recommendations were reviewed by City staff for consistency with other planning efforts prior to prioritization.

PUBLIC ENGAGEMENT

In addition to participating in the school audits, members of the public were invited to provide input via an online map and public open houses. Flyers explaining the project and promoting these opportunities were developed in English and Spanish, distributed to school contacts, and published on the City’s website and social media channels.

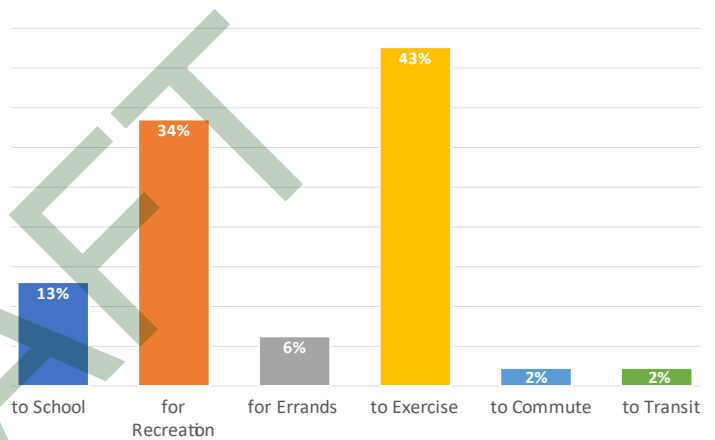
ONLINE INTERACTIVE MAP

The project team used an online interactive map to gather input from the community on the barriers to walking and biking to school. English and Spanish language versions of the online map went live in November 2017. Users could access the maps via links on the City’s Safe Routes to School website. Using lines and points, wikimap users were asked to identify barriers, routes their family currently bikes or walks, and difficult routes for biking and walking.

Summary of Responses

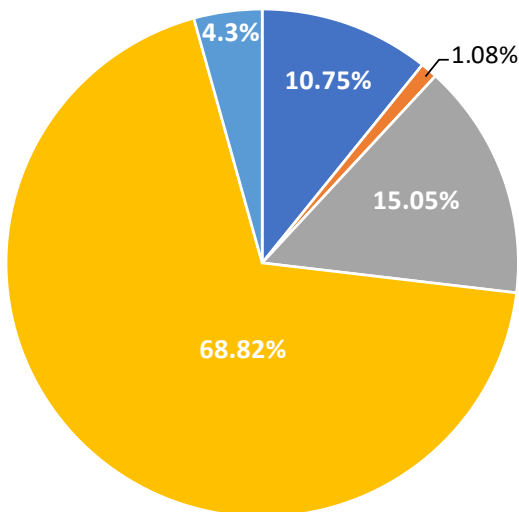
Before adding their comments to the map, users were asked to complete a short survey to help understand their background, walking and bicycling habits, and place of residence. The following is a summary of demographic characteristics from respondents from District 8, as well as a map that shows the concentrations of comments made on the map.

Walking Habits



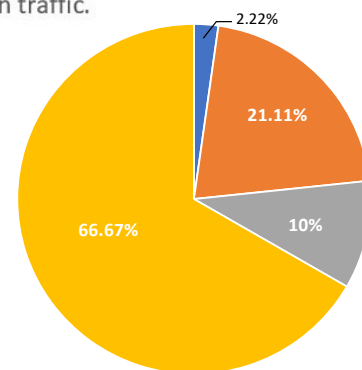
Demographics

- Hispanic/Latino
- Black/African American
- White
- Asian
- Other



Bicycle Habits

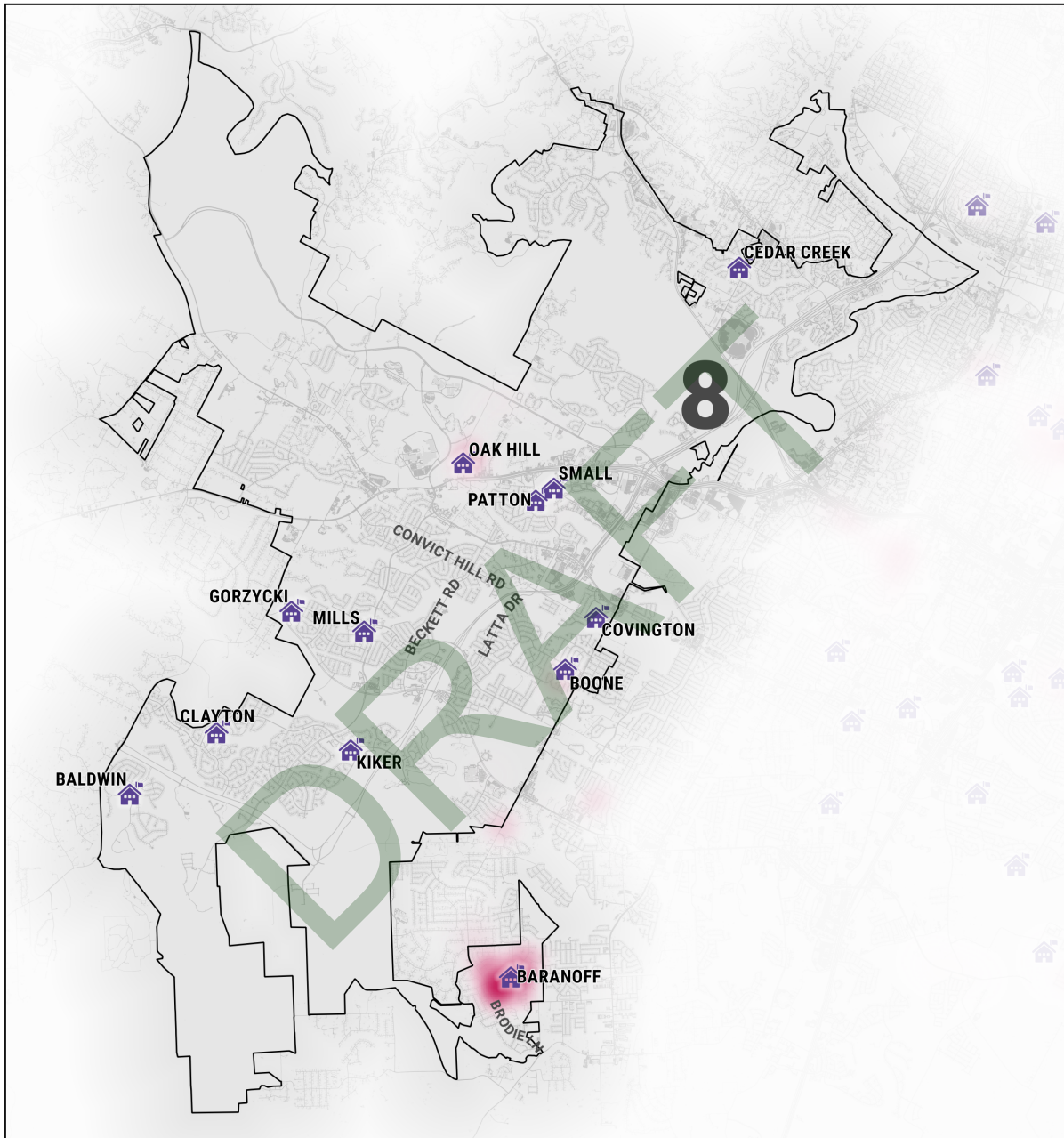
- We are willing to ride in mixed traffic with automobiles on almost any type of street.
- We are willing to ride in traffic, but prefer dedicated bicycle lanes and routes.
- We do not ride bicycles and are unlikely to ever do so.
- We would like to bicycle more, but prefer not to ride in traffic.



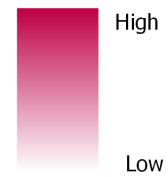
Demographics of Online Map Respondents, District 8

Survey Responses from Online Map Respondents, District 8

District 8



WikiMap Comment Density



0 1 2 mi



OPEN HOUSE

The Open House for District 8 was held at Small Middle School from 4:00 to 7:00 PM on Tuesday, May 1, 2018. The meeting was promoted through various City email listserves, posters at schools, press releases, and the City website. School principals were also informed of the Open House and asked to forward invitations to members of the school community.

At the Open House, tables were set up with maps of each school in District 8, and consultants and city staff were available to discuss concerns and recommendations. Comments received at the Open House were added to the online map and incorporated into the infrastructure recommendations.

PRIORITIZATION

Information from the school audits, online map and open houses was combined to create a list of recommended projects around each school. Then, the projects were scored using a three-step process to create a prioritized list for each council district.

Step 1: Prioritize recommendations based on potential benefit.

To calculate the potential benefit, each project was evaluated on four factors: Stakeholder Input, Safety, Demand and Equity. Using available data, the following scoring system was used to calculate a Benefit Score for each proposed project.

$$\begin{aligned}
 & \mathbf{35\%: Demand} \\
 & \text{(Schools within } \frac{1}{4} \text{ mile, Potential students served)} \\
 & + \\
 & \mathbf{30\%: Safety} \\
 & \text{(Crash data, Street type, Engineering judgment)} \\
 & + \\
 & \mathbf{20\%: Equity} \\
 & \text{(Free & reduced lunch rate, Poverty rate)} \\
 & + \\
 & \mathbf{15\%: Stakeholder Input} \\
 & \text{(Public comments from Open Houses and WikiMap)} \\
 & = \\
 & \mathbf{100\%: Final Benefit Score}
 \end{aligned}$$

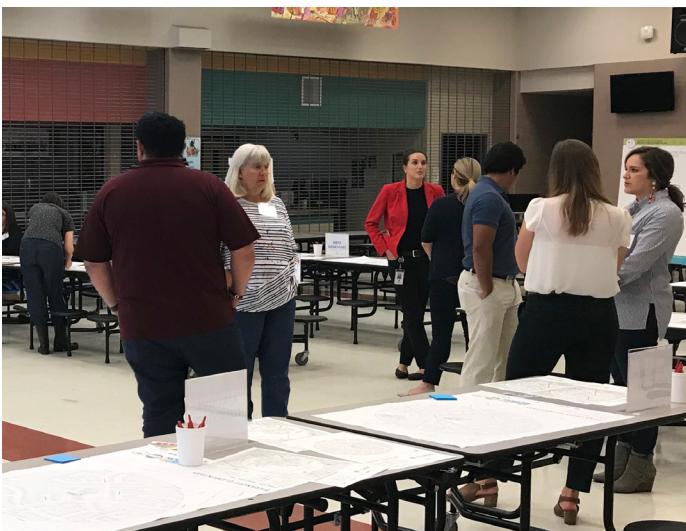
Step 2: Adjust for existing conditions.

To further prioritize projects that would create new facilities and close gaps in the existing bicycle and pedestrian networks, the Benefit Score was divided in half for recommendations that improve existing facilities (as opposed to creating new connections/facilities).

Step 3: Calculate cost benefit score.

The project team used planning level costs for similar project to determine estimated cost benefits. The benefit score was divided by the estimated project cost, and results were sorted into five categories to represent Cost:Benefit - very high, high, med, low, very low.

Costs opinions are order-of-magnitude, planning-level estimates based on local bid tabulations for similar project types. Planning-level cost estimates do not take into



Open House at Small Middle School



Open House at Small Middle School

consideration localized specifics of each project such as right-of-way acquisition, significant utility relocation, etc. They are useful for aggregate-level budget planning, but individual project cost estimates will change as projects advance through further study and design.

After further feasibility study and engineering evaluation, final project cost estimates will change before they can be implemented. In some locations, alternate approaches to address the issue may prove more feasible or more cost effective.

PRIORITIZATION SUMMARY

There are a total of 253 recommended projects in City Council District 8 with a total estimated cost of \$72.3 million. The combined costs for all projects in each Overall Benefit category are shown in the table below.

Costs are planning-level estimates that will be refined as projects advance through further study and design. They can be used to evaluate the order-of-magnitude of needs at an aggregate level.

Overall Benefit Category	Combined Project Costs
1 - Very High	\$17,100,000
2 - High	\$19,300,000
3 - Medium	\$17,200,000
4 - Low	\$10,300,000
5 - Very Low	\$8,400,000
District 8 Total	\$72,300,000

NEXT STEPS

Both Overall and Estimated Cost:Benefits will be used to prioritize improvements. However, to use the Safe Routes to School's limited resources most effectively, the program is also considering other factors to determine which projects will move forward as well as project implementation order. These factors include final cost estimates, feasibility, leveraging / cost-sharing opportunities, and more.

Generally, projects will be selected for implementation using the following guiding principles:

- 1) Implement projects that have a High or Very High Overall Benefit and a High or Very High Estimated Cost:Benefit
- 2) Make meaningful walking and bicycling improvements near as many schools as possible
- 3) For 2016 Mobility Bond funding, balance funding equally per district, as voted on by the public
- 4) Leverage other available sources of funding to implement additional projects

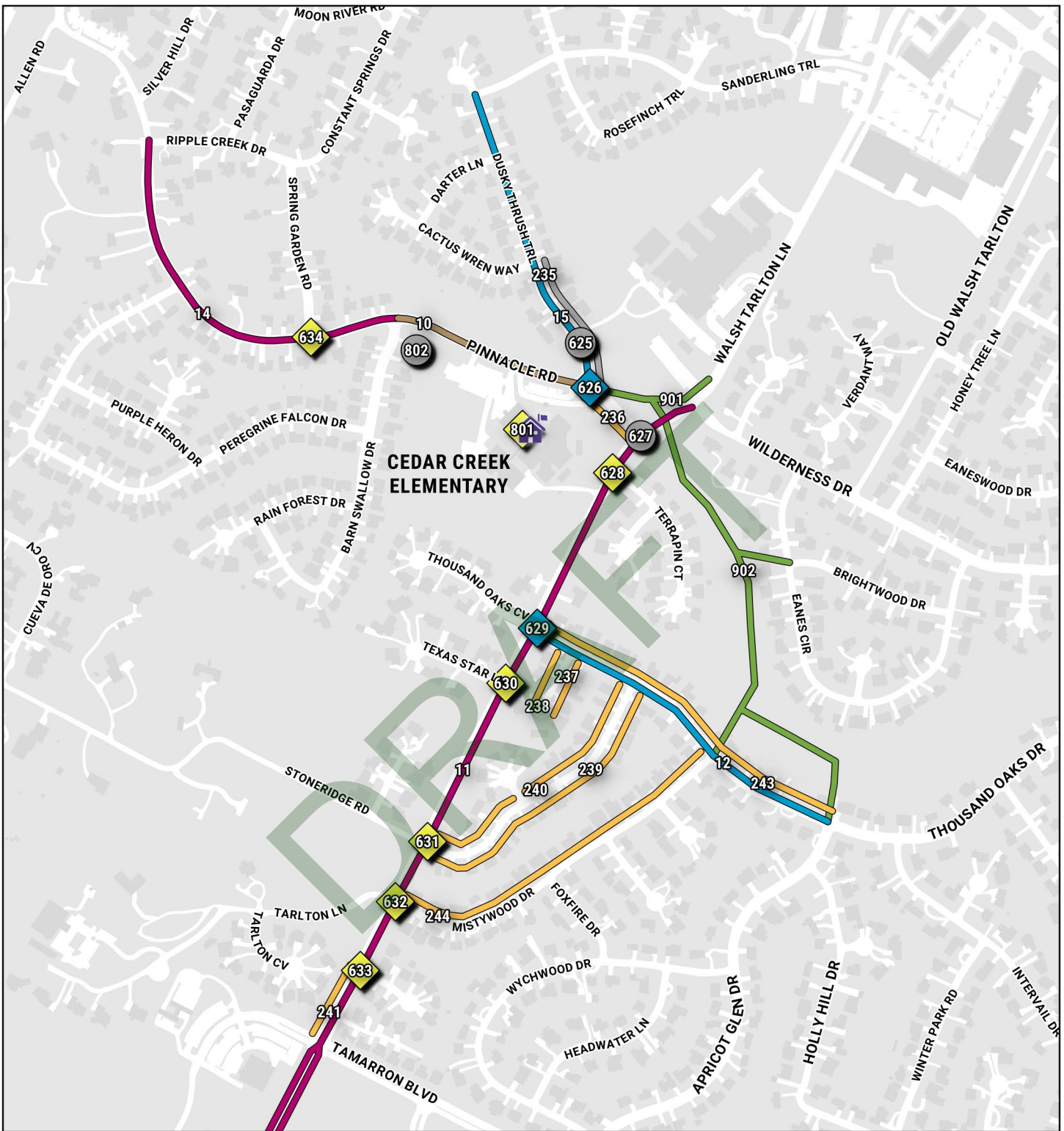
The City of Austin has already started examining the feasibility of recommendations and, in some cases, has initiated design/construction for certain projects. Go to AustinTexas.gov/SafeRoutes to learn more and get updates about upcoming Safe Routes to School projects in each City Council District.



CITY COUNCIL DISTRICT 8 RECOMMENDED SAFE ROUTES TO SCHOOL PROJECTS

The following pages present maps of all recommendations, followed by detailed tables that include the Benefit and Cost: Benefit category for each project. Each recommendation has a unique identification number, which can be cross-referenced between the maps and the tables. The unique project ID is a combination of the school group code (e.g., 1C) and the project number shown on the map (e.g., 001).

Ideas presented in this document are planning-level concepts: many projects will require further feasibility study and engineering evaluation before they can be implemented. In some locations, alternate approaches to address the issue may prove more feasible or more cost effective.



Recommendations

	Traffic Control / Intersection Reconfiguration		Off-Street Trail
	Ramp / Curb Extension / Crosswalk		Bike Lane / Buffered Bike Lane / Protected Bike Lane
	Over / Underpass		Sidepath
	Other		Neighborhood Bikeway / Traffic Calming
			Other
			New / Improved Sidewalk



INFRASTRUCTURE PLAN

Project ID	Schools within 1/2 mile * = no schools w/in 1/2 mile; closest school noted	Location	Issue	Recommendation + = parking removal required * = curb changes required ~ = private property acquisition required	Overall Benefit Category	Estimated Cost:Benefit Category*
2B - 010	CEDAR CREEK	PINNACLE RD	Blocked school zone flashing sign, No bike facility	Move sign to be visible - PINNACLE RD from BARN SWALLOW DR to DUSKY THRUSH TRL Sidepath - PINNACLE RD from BARN SWALLOW DR to DUSKY THRUSH TRL	1 - Very High	4 - Low
2B - 011	CEDAR CREEK	WALSH TARLTON LN	No bike facility, Vehicle encroachment in bike lane	Protected Bike Lane - WALSH TARLTON LN from WILDERNESS DR to S CAPITAL OF TEXAS HWY NB	2 - High	4 - Low
2B - 012	CEDAR CREEK	THOUSAND OAKS DR	Excessive vehicle speeds	Add chicanes - THOUSAND OAKS DR from THOUSAND OAKS CV to APRICOT GLEN DR Add speed cushions - THOUSAND OAKS DR from THOUSAND OAKS CV to APRICOT GLEN DR	4 - Low	2 - High
2B - 014	CEDAR CREEK	PINNACLE RD	No bike facility	Protected Bike Lane - PINNACLE RD from BARN SWALLOW DR to RIPPLE CREEK DR	3 - Medium	3 - Medium
2B - 015	CEDAR CREEK	DUSKY THRUSH TRL	No bike facility	Neighborhood Bikeway - DUSKY THRUSH TRL from PINNACLE RD to SANDERLING TRL	4 - Low	3 - Medium

* Estimated Cost:Benefit Rankings are preliminary, planning level-estimates to identify cost-effective options for addressing safety concerns. Estimated Cost:Benefit Rankings are developed using planning level costs for projects of this nature. Individual project cost estimates will change as projects advance. See pages 4-5 of this report for more information about how the Safe Routes Program determines project prioritization and implementation.



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2B - 235	CEDAR CREEK	DUSKY THRUSH TRL	Obstructed by cars leaving mid school, Temporary obstruction (ex. vegetation)	Curb extensions - DUSKY THRUSH TRL from CACTUS WREN WAY to PINNACLE RD	4 - Low	3 - Medium
2B - 236	CEDAR CREEK	PINNACLE RD	Narrow sidewalk	Widen existing sidewalk - PINNACLE RD from WALSH TARLTON LN to DUSKY THRUSH TRL	5 - Very Low	4 - Low
2B - 237	CEDAR CREEK	THOUSAND OAKS CIR	Missing sidewalk	Construct new sidewalk - THOUSAND OAKS CIR from THOUSAND OAKS DR to Near 1707 THOUSAND OAKS CIR	4 - Low	3 - Medium
2B - 238	CEDAR CREEK	THOUSAND OAKS CIR	Missing sidewalk	Construct new sidewalk - THOUSAND OAKS CIR from Near 1706 THOUSAND OAKS CIR to THOUSAND OAKS DR	4 - Low	3 - Medium

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2B - 239	CEDAR CREEK	STONERIDGE RD	Missing sidewalk	Construct new sidewalk - STONERIDGE RD from WALSH TARLTON LN to THOUSAND OAKS DR	4 - Low	4 - Low
2B - 240	CEDAR CREEK	STONERIDGE RD	Missing sidewalk	Construct new sidewalk - STONERIDGE RD from WALSH TARLTON LN to THOUSAND OAKS DR	4 - Low	4 - Low
2B - 241	CEDAR CREEK	WALSH TARLTON LN	Missing sidewalk	Construct new sidewalk - WALSH TARLTON LN from WATKINS WAY to TWINBERRY CV	4 - Low	3 - Medium
2B - 243	CEDAR CREEK	THOUSAND OAKS DR	Missing sidewalk	Construct new sidewalk - THOUSAND OAKS DR from WALSH TARLTON LN to APRICOT GLEN DR	4 - Low	4 - Low
2B - 244	CEDAR CREEK	MISTYWOOD DR	Missing sidewalk	Construct new sidewalk - MISTYWOOD DR from TARLTON LN to MISTYGLEN CIR Construct new sidewalk - MISTYWOOD DR from MISTYGLEN CIR to THOUSAND OAKS DR	3 - Medium	4 - Low

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2B - 625	CEDAR CREEK	Midblock - DUSKY THRUSH TRL	Poor sightlines	Tighten curb radii * ~	4 - Low	3 - Medium
2B - 626	CEDAR CREEK	DUSKY THRUSH TRL / PINNACLE RD	Missing curb ramps, Non-compliant curb ramps, No lighting	Add lighting Add median refuge island on Pinnacle Road Replace existing curb ramp	1 - Very High	1 - Very High
2B - 627	CEDAR CREEK	PINNACLE RD / WALSH TARLTON LN	Missing curb ramps, Non-compliant curb ramps, Non-ADA push buttons, Too small area for waiting	Tighten curb radii Widen sidewalk *	1 - Very High	2 - High
2B - 628	CEDAR CREEK	TERRAPIN CT / WALSH TARLTON LN	No marked crossing	Install high visibility crosswalk (1) across Terrapin Court Install high visibility crosswalk [1] across Walsh Tarlton *	4 - Low	2 - High

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2B - 629	CEDAR CREEK	THOUSAND OAKS CV / THOUSAND OAKS DR / WALSH TARLTON LN	No marked crossing	Install high visibility crosswalk [1] across Walsh Tarlton Install Pedestrian Hybrid Beacon * Install refuge island	3 - Medium	2 - High
2B - 630	CEDAR CREEK	TEXAS STAR LN / WALSH TARLTON LN	No marked crossing	Install high visibility crosswalk (1) across Texas Star Lane Install high visibility crosswalk [1] across Walsh Tarlton *	4 - Low	3 - Medium
2B - 631	CEDAR CREEK	STONERIDGE RD / WALSH TARLTON LN	No marked crossing	Install high visibility crosswalk [1] across Walsh Tarlton Install Rapid Flash Beacon *	4 - Low	3 - Medium

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2B - 632	CEDAR CREEK	MISTYWOOD DR / TARLTON LN / WALSH TARLTON LN	No marked crossing	Install high visibility crosswalk [1] across Walsh Tarlton Install high visibility crosswalks (2) across Mistywood Drive and Tarlton Lane *	4 - Low	3 - Medium
2B - 633	CEDAR CREEK	TWINBERRY CV / WALSH TARLTON LN	No marked crossing	Install high visibility crosswalk (1) across Twinberry Cove Install high visibility crosswalk [1] across Walsh Tarlton *	4 - Low	2 - High
2B - 634	CEDAR CREEK	PINNACLE RD / SPRING GARDEN RD	difficult crossing	Add curb extensions Install traffic signal	4 - Low	5 - Very Low
2B - 801	CEDAR CREEK	Near 3301 PINNACLE RD	No curb ramp on path	Install curb ramp (1)	2 - High	1 - Very High

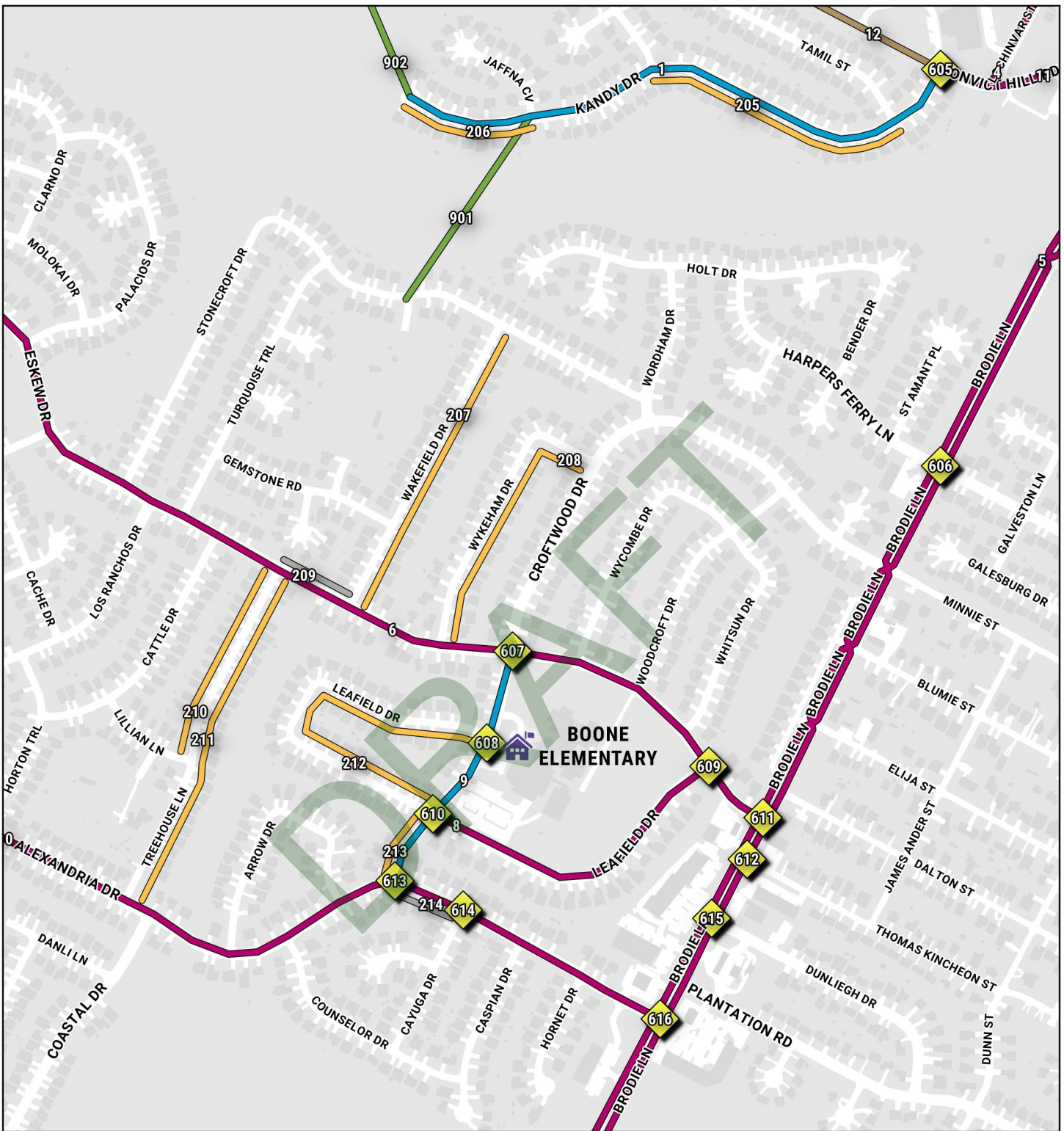
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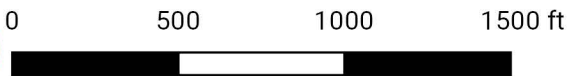
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2B - 802	CEDAR CREEK	Near 1503 BARN SWALLOW DR	Confirm ownership of pathway	Confirm ownership of pathway	5 - Very Low	4 - Low
2B - 901	CEDAR CREEK	North of Pinnacle Road to the east side of Walsh Tarlton	No trail connection	Construct new trail	1 - Very High	3 - Medium
2B - 902	CEDAR CREEK	Walsh Tarlton LN to Thousand Oaks Drive	No trail connection	Construct new trail	1 - Very High	5 - Very Low

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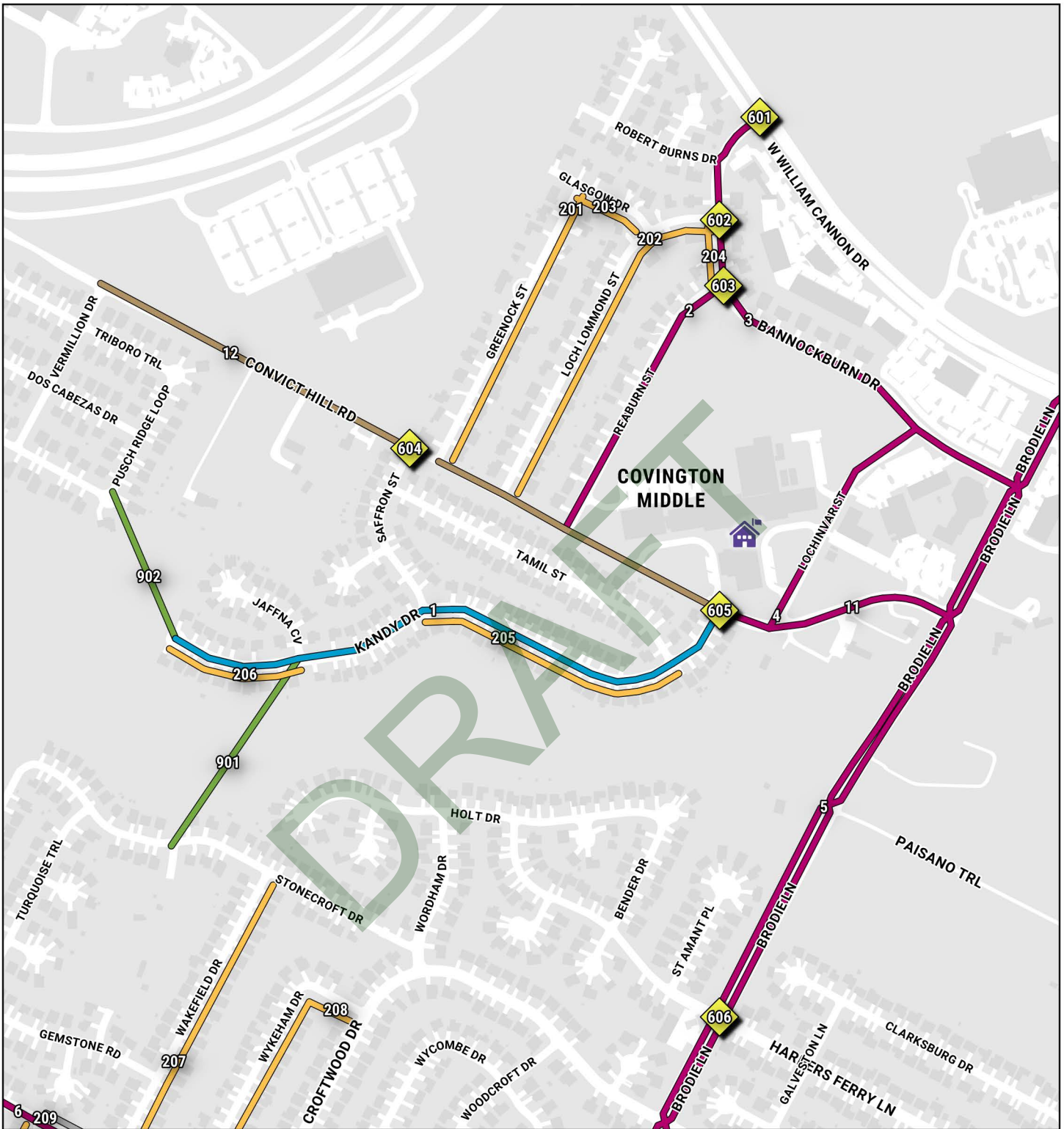
TOOLE
DESIGN



Recommendations

- Traffic Control / Intersection Reconfiguration
- Ramp / Curb Extension / Crosswalk
- Over / Underpass
- Other

- Off-Street Trail
- Bike Lane / Buffered Bike Lane / Protected Bike Lane
- Sidepath
- Neighborhood Bikeway / Traffic Calming
- Other
- New / Improved Sidewalk



TOOLE
DESIGN

0 500 1000 1500 ft

Recommendations

- ◆ Traffic Control / Intersection Reconfiguration
- ◆ Ramp / Curb Extension / Crosswalk
- Over / Underpass
- Other

- Off-Street Trail
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2F - 001	BOONE, COVINGTON	KANDY DR	Desired bike route, No bike facility	Neighborhood Bikeway - KANDY DR from Near 4019 KANDY DR to CONVICT HILL RD	1 - Very High	1 - Very High
2F - 002	COVINGTON	REABURN ST	Desired bike route, No bike facility, Wide ROW	Protected Bike Lane - REABURN ST from CONVICT HILL RD to BANNOCKBURN DR +	4 - Low	4 - Low
2F - 003	COVINGTON	BANNOCKBURN DR	Desired bike route, Excessive vehicle speeds, No bike facility, Wide ROW	Protected Bike Lane - BANNOCKBURN DR from BRODIE LN to W WILLIAM CANNON DR +	3 - Medium	4 - Low
2F - 004	COVINGTON	LOCHINVAR ST	Excessive vehicle speeds, No bike facility, Wide ROW	Protected Bike Lane - LOCHINVAR ST from CONVICT HILL RD to BANNOCKBURN DR +	1 - Very High	1 - Very High
2F - 005	BOONE, COVINGTON	BRODIE LN	Desired bike route, Excessive vehicle speeds, No bike facility, Parking in bike lane, Wide ROW	Protected Bike Lane - BRODIE LN from ALLEGRO LUGAR to DAVIS LN	1 - Very High	5 - Very Low
2F - 006	BOONE	ESKEW DR	Desired bike route, Excessive vehicle speeds, No bike facility, Wide ROW	Bike Lane - ESKEW DR from COPANO DR to BRODIE LN +	1 - Very High	2 - High

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2F - 007	BOONE*	COPANO DR	No bike facility	Neighborhood Bikeway - COPANO DR from DAVIS LN to LATTA DR Add speed cushions - COPANO DR from DAVIS LN to LATTA DR	2 - High	3 - Medium
2F - 008	BOONE	LEAFIELD DR	Desired bike route, No bike facility, Wide ROW	Protected Bike Lane - LEAFIELD DR from CROFTWOOD DR to ESKEW DR +	4 - Low	4 - Low
2F - 009	BOONE	CROFTWOOD DR	Desired bike route, Excessive vehicle speeds, No bike facility	Add speed cushions - CROFTWOOD DR from ALEXANDRIA DR to ESKEW DR Neighborhood Bikeway - CROFTWOOD DR from ALEXANDRIA DR to ESKEW DR	3 - Medium	2 - High
2F - 010	BOONE	ALEXANDRIA DR	Desired bike route, Excessive vehicle speeds, No bike facility	Bike Lane - ALEXANDRIA DR from BRODIE LN to COPANO DR Protected Bike Lane - ALEXANDRIA DR from COUNSELOR DR to ARROW DR +	2 - High	3 - Medium
2F - 011	COVINGTON	CONVICT HILL RD	No bike facility	Protected Bike Lane - CONVICT HILL RD from KANDY DR to BRODIE LN	1 - Very High	1 - Very High
2F - 012	COVINGTON	CONVICT HILL RD	No bike facility	Sidepath - CONVICT HILL RD from KANDY DR to VERMILLION DR	4 - Low	5 - Very Low
2F - 013	BOONE	COPANO CT	Desired bike route	Neighborhood Bikeway - COPANO CT from 4601 COPANO CT to COPANO DR; Add speed cushions - COPANO CT from 4601 COPANO CT to COPANO DR	5 - Very Low	4 - Low

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2F - 201	COVINGTON	GREENOCK ST	Missing sidewalk	Construct new sidewalk - GREENOCK ST from GLASGOW DR to CONVICT HILL RD	4 - Low	5 - Very Low
2F - 202	COVINGTON	LOCH LOMMOND ST	Missing sidewalk	Construct new sidewalk - LOCH LOMMOND ST from BANNOCKBURN DR to CONVICT HILL RD	4 - Low	5 - Very Low
2F - 203	COVINGTON	GLASGOW DR	Missing sidewalk	Construct new sidewalk - GLASGOW DR from LOCH LOMMOND ST to GREENOCK ST	5 - Very Low	4 - Low
2F - 204	COVINGTON	BANNOCKBURN DR	Missing sidewalk	Construct new sidewalk - BANNOCKBURN DR from REABURN ST to LOCH LOMMOND ST	4 - Low	3 - Medium
2F - 205	COVINGTON	KANDY DR	Missing sidewalk	Construct new sidewalk - KANDY DR from TAMIL ST to SAFFRON ST	2 - High	3 - Medium
2F - 206	BOONE, COVINGTON	KANDY DR	Missing sidewalk	Construct new sidewalk - KANDY DR from JAFFNA CV to Near 4019 KANDY DR	5 - Very Low	4 - Low
2F - 207	BOONE, COVINGTON	WAKEFIELD DR	Missing sidewalk	Construct new sidewalk - WAKEFIELD DR from STONECROFT DR to ESKEW DR	5 - Very Low	5 - Very Low
2F - 208	BOONE, COVINGTON	WYKEHAM DR	Missing sidewalk	Construct new sidewalk - WYKEHAM DR from CROFTWOOD DR to ESKEW DR	5 - Very Low	5 - Very Low
2F - 209	BOONE	ESKEW DR	Temporary obstruction (ex. vegetation)	Fix sidewalk obstructions - ESKEW DR from TREEHOUSE LN to WAKEFIELD DR	5 - Very Low	5 - Very Low
2F - 210	BOONE	TREEHOUSE LN	Missing sidewalk	Construct new sidewalk - TREEHOUSE LN from LILLIAN LN to ESKEW DR	5 - Very Low	5 - Very Low
2F - 211	BOONE	TREEHOUSE LN	Missing sidewalk	Construct new sidewalk - TREEHOUSE LN from ESKEW DR to ALEXANDRIA DR	3 - Medium	4 - Low
2F - 212	BOONE	LEAFIELD DR	Missing sidewalk	Construct new sidewalk - LEAFIELD DR from Near 8100 CROFTWOOD DR to Near 3800 LEAFIELD DR	3 - Medium	4 - Low

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2F - 213	BOONE	CROFTWOOD DR	Narrow sidewalk, Poor condition	Widen existing sidewalk - CROFTWOOD DR from ALEXANDRIA DR to LEAFIELD DR Repair existing sidewalk - CROFTWOOD DR from ALEXANDRIA DR to LEAFIELD DR	5 - Very Low	5 - Very Low
2F - 214	BOONE	ALEXANDRIA DR	Narrow sidewalk, Temporary obstruction (ex. vegetation)	Fix sidewalk obstructions - ALEXANDRIA DR from CAYUGA DR to CROFTWOOD DR	5 - Very Low	5 - Very Low
2F - 601	COVINGTON	BANNOCKBURN DR / WILLIAM CANNON DR	Non-compliant curb ramps, No marked crossing	Install high visibility crosswalk [1] across William Cannon Dr and Bannockburn Dr Replace existing curb ramp	4 - Low	3 - Medium
2F - 602	COVINGTON	BANNOCKBURN DR / LOCH LOMMOND ST	Missing curb ramps	Install 2 curb ramps	4 - Low	2 - High
2F - 603	COVINGTON	BANNOCKBURN DR / REABURN ST	Missing curb ramps, No marked crossing	Install 2 curb ramps Install high visibility crosswalk [2] across Bannockburn	4 - Low	2 - High
2F - 604	COVINGTON	CONVICT HILL RD / SAFFRON ST	Missing curb ramps, No marked crossing, High speed crossing	Install 2 curb ramps Install high visibility crosswalk [1] across Convict Hill *	4 - Low	2 - High

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2F - 605	COVINGTON	CONVICT HILL RD / KANDY DR	Missing curb ramps, High speed crossing, Long crossing distance, Wide curb radii	Add curb extensions Install 2 curb extensions on Convict Hill Replace existing curb ramp Tighten curb radii *	1 - Very High	1 - Very High
2F - 606	BOONE, COVINGTON	BRODIE LN / HARPERS FERRY LN	Faded crosswalk markings	Repaint crosswalk markings [4] across Harpers Ferry Ln and Brodie Ln	2 - High	1 - Very High
2F - 607	BOONE	CROFTWOOD DR / ESKEW DR	High speed crossing, Non-compliant curb ramps	Add curb extensions Install 2 curb extensions on on Croftwood. No curb extensions into Eskew Dr because of proposed bike lanes.	2 - High	1 - Very High
2F - 608	BOONE	Midblock - CROFTWOOD DR	No marked crossing, High speed crossing, Long crossing distance	Add curb extensions Install raised crosswalk [1] across Croftwood Dr *	3 - Medium	3 - Medium
2F - 609	BOONE	ESKEW DR / LEAFIELD DR	No marked crossing	Install high visibility crosswalk [1] across Eskew	3 - Medium	2 - High

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2F - 610	BOONE	CROFTWOOD DR / LEAFIELD DR	No marked crossing, Missing curb ramps, High speed crossing, Long crossing distance, Non-compliant curb ramps, Faded crosswalk markings	Add curb extensions Install 4 curb extensions on Croftwood and Leaffield Install high visibility crosswalk [1] across Leaffield *	4 - Low	3 - Medium
2F - 611	BOONE	BRODIE LN / ESKEW DR	Faded crosswalk markings, High speed crossing, Long crossing distance, Non-compliant curb ramps	Install high visibility crosswalk [1] across Brodie Replace existing curb ramp	2 - High	1 - Very High
2F - 612	BOONE	BRODIE LN / THOMAS KINCHEON ST	No marked crossing	Install high visibility crosswalk [1] across Thomas Kincheon	3 - Medium	2 - High

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2F - 613	BOONE	ALEXANDRIA DR / CROFTWOOD DR	High speed crossing, Long crossing distance	Add curb extensions Install 2 curb extensions on Alexandria Install Rapid Flash Beacon *	4 - Low	4 - Low
2F - 614	BOONE	ALEXANDRIA DR / CAYUGA DR	No marked crossing	Install high visibility crosswalk [1] across Cayuga	4 - Low	3 - Medium
2F - 615	BOONE	BRODIE LN / DUNLIEGH DR	No marked crossing	Install high visibility crosswalk [1] across Dunleigh	3 - Medium	1 - Very High
2F - 616	BOONE	ALEXANDRIA DR / BRODIE LN	No marked crossing, Non-compliant curb ramps, High speed crossing, Long crossing distance	Install high visibility crosswalk [1] across Alexandria *	3 - Medium	2 - High
2F - 801	BOONE	Near 7808 COPANO DR	Vehicle speeding observed	Add neighborhood traffic circle	5 - Very Low	4 - Low
2F - 802	BOONE*	Near 7808 COPANO DR	Excessive vehicle speeds	Add neighborhood traffic circle	5 - Very Low	4 - Low

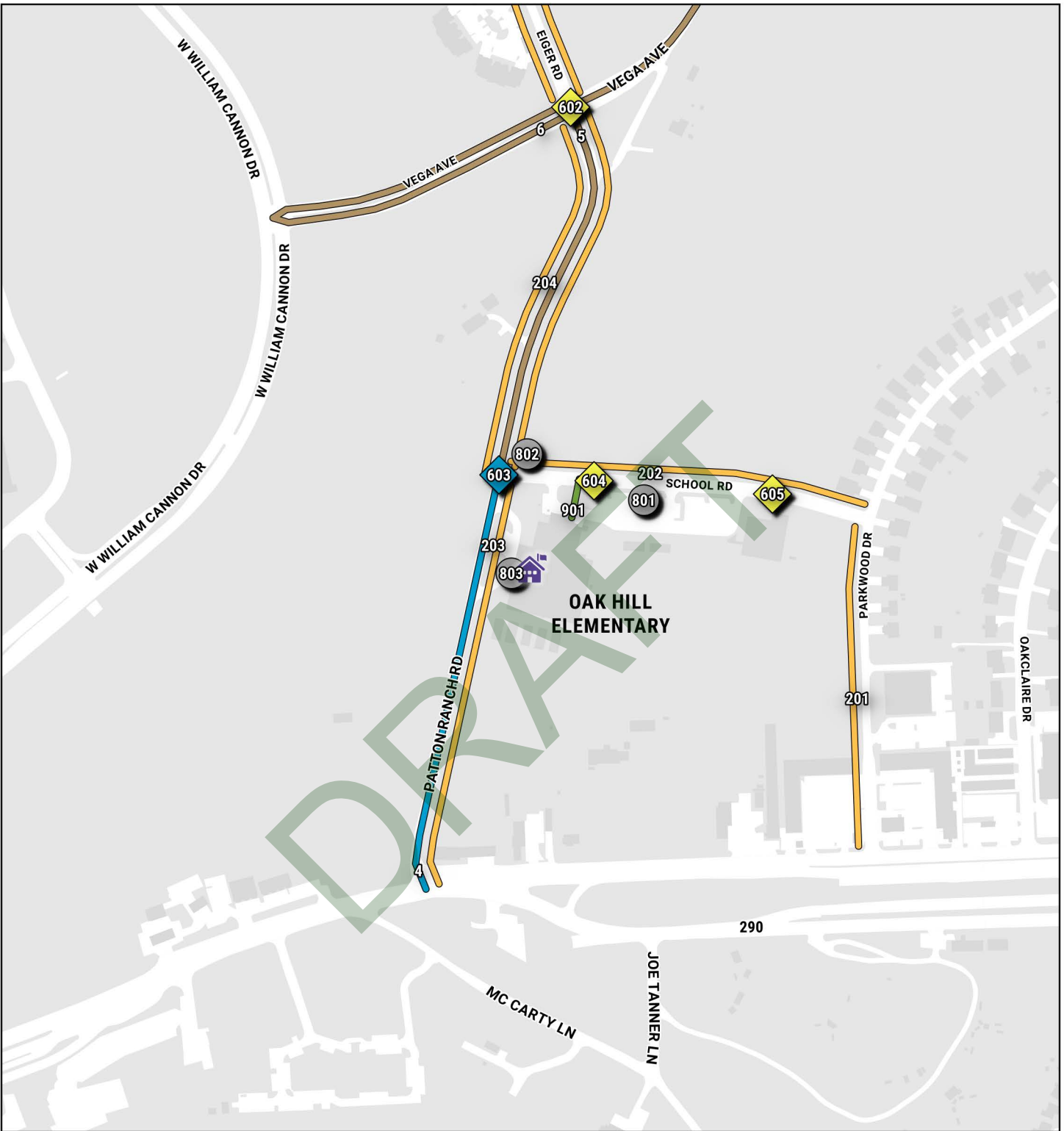
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2F - 901	BOONE, COVINGTON	between Kandy Dr and Stonecroft Dr	No trail connection	Construct new trail	1 - Very High	4 - Low
2F - 902	COVINGTON	between Pusch Ridge Loop and Kandy Dr	No trail connection	Construct new trail	2 - High	4 - Low
2F - 903	BOONE	Between Longview Rd, Finch Trl & Jorwoods Dr	No trail connection	Construct new trail	3 - Medium	5 - Very Low
2F - 903	COVINGTON	longview to finch to goldbridge to jorwoods	No trail connection	Construct new trail	3 - Medium	5 - Very Low
2F - 904	BOONE	Between Hays Hill Dr and Harleyhill Dr	No trail connection	Construct new trail	4 - Low	4 - Low
2F - 904	COVINGTON	harleyhill to inridge	No trail connection	Construct new trail	4 - Low	4 - Low

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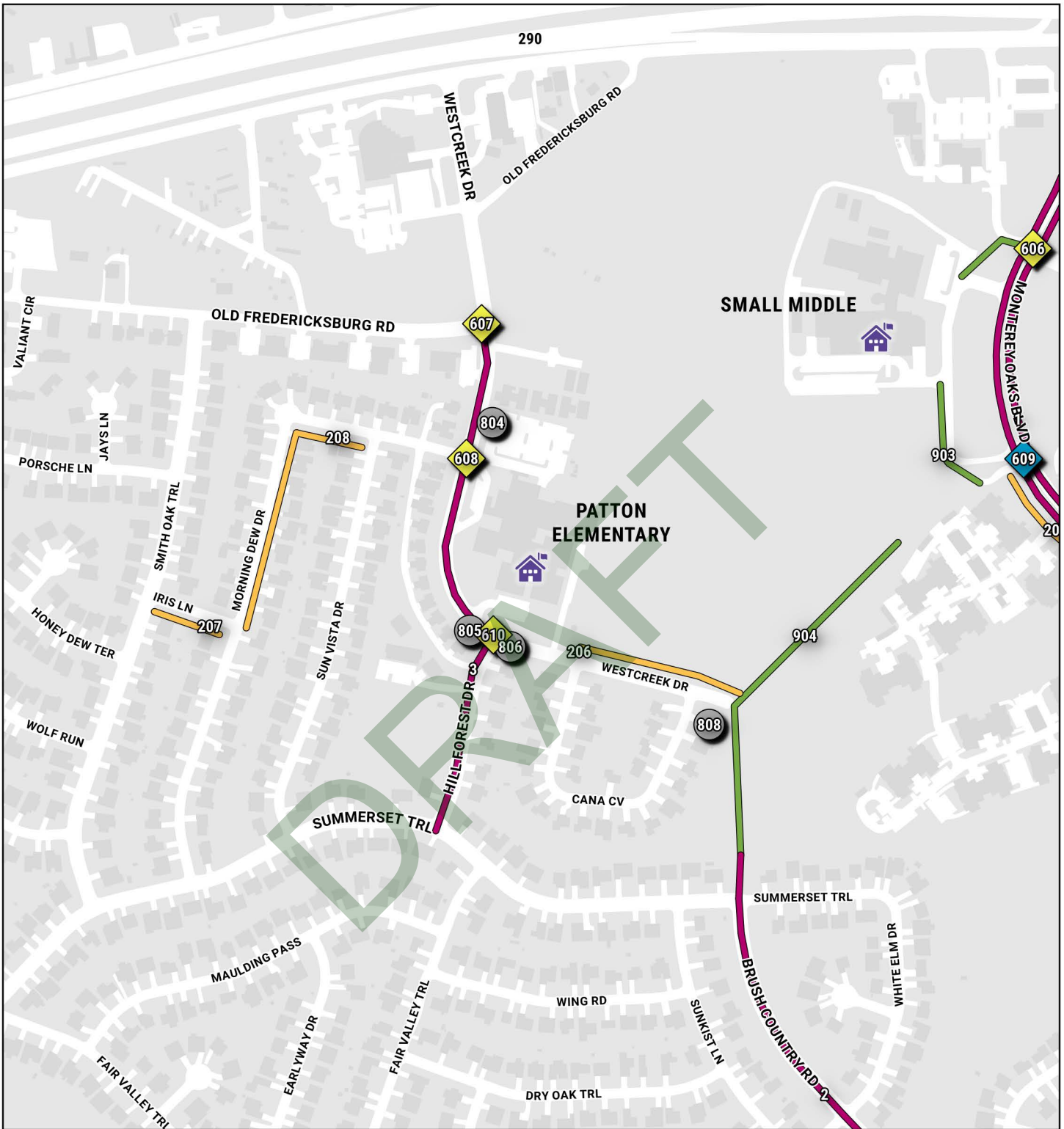
TOOLE
DESIGN







Recommendations

- Traffic Control / Intersection Reconfiguration
- Ramp / Curb Extension / Crosswalk
- Over / Underpass
- Other

- Off-Street Trail
- Bike Lane / Buffered Bike Lane / Protected Bike Lane
- Sidepath
- Neighborhood Bikeway / Traffic Calming
- Other
- New / Improved Sidewalk

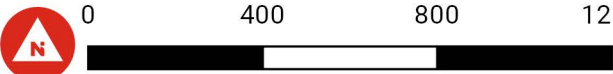












TOOLE
DESIGN

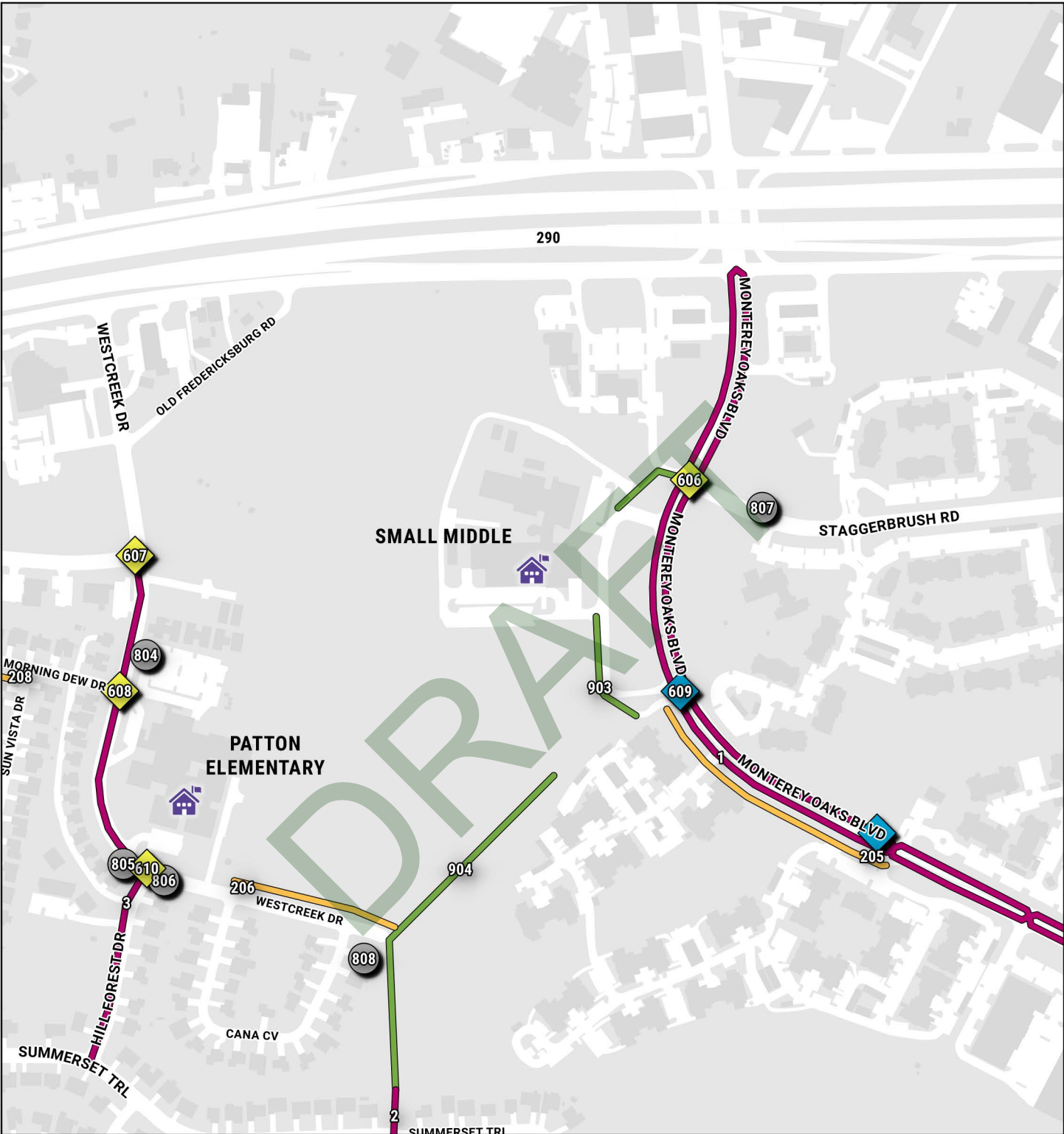
SAFE ROUTES
TO SCHOOL

0 400 800 1200 ft



Recommendations

	Traffic Control / Intersection Reconfiguration		Off-Street Trail
	Ramp / Curb Extension / Crosswalk		Bike Lane / Buffered Bike Lane / Protected Bike Lane
	Over / Underpass		Sidepath
	Other		Neighborhood Bikeway / Traffic Calming
			Other
			New / Improved Sidewalk



TOOLE DESIGN

0 400 800 1200 ft

Recommendations

- Traffic Control / Intersection Reconfiguration
- Ramp / Curb Extension / Crosswalk
- Over / Underpass
- Off-Street Trail
- Bike Lane / Buffered Bike Lane / Protected Bike Lane
- Sidepath
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- Other
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- Other



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2G - 001	PATTON, SMALL	MONTEREY OAKS BLVD	Desired bike route, Excessive vehicle speeds, No bike facility, Wide ROW	Protected bike lane - MONTEREY OAKS BLVD from MOPAC SERVICE RD to W US 290 HWY SVRD EB; Lane reconfiguration (changing number of lanes) - MONTEREY OAKS BLVD from Near 4201 MONTEREY OAKS BLVD to Near 4912 MONTEREY OAKS BLVD	1 - Very High	4 - Low
2G - 002	PATTON, SMALL	BRUSH COUNTRY RD	No bike facility	Protected Bike Lane - BRUSH COUNTRY RD from W WILLIAM CANNON DR to Summerset Trail	1 - Very High	2 - High

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2G - 003	PATTON, SMALL	WESTCREEK DR	Insufficient school zone signage, Left-turning vehicles cause bottlenecks	<p>Harden centerline - WESTCREEK DR from HILL FOREST DR to MORNING DEW DR</p> <p>Add School Zone Sign with flashers - HILL FOREST DR from SUMMERSET TRL to WESTCREEK DR</p> <p>Protected Bike Lane - HILL FOREST DR from SUMMERSET TRL to WESTCREEK DR</p> <p>Protected Bike Lane - WESTCREEK DR from HILL FOREST DR to OLD FREDERICKSBURG RD</p> <p>Parking one side - WESTCREEK DR from HILL FOREST DR to OLD FREDERICKSBURG RD</p> <p>Road diet (changing number of lanes) - WESTCREEK DR from HILL FOREST DR to OLD FREDERICKSBURG RD</p> <p>Hardened centerline - WESTCREEK DR from MORNING DEW DR to OLD FREDERICKSBURG RD +</p>	1 - Very High	2 - High

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2G - 004	OAK HILL	PATTON RANCH RD	Excessive vehicle speeds	Add School Zone Sign with flashers - PATTON RANCH RD from W US 290 HWY to SCHOOL RD Add speed cushions - PATTON RANCH RD from W US 290 HWY to SCHOOL RD	2 - High	1 - Very High
2G - 005	OAK HILL	PATTON RANCH RD	Desired bike route, Excessive vehicle speeds, No bike facility	Sidepath - PATTON RANCH RD from SCHOOL RD to VEGA AVE	2 - High	5 - Very Low
2G - 006	OAK HILL	VEGA AVE	No bike facility	Sidepath - VEGA AVE from SOUTHWEST PKWY to W WILLIAM CANNON DR	2 - High	5 - Very Low
2G - 007	OAK HILL	SOUTHWEST PKWY	No bike facility	Sidepath- SOUTHWEST PKWY from VEGA AVE to MISSION OAKS	3 - Medium	5 - Very Low
2G - 008	OAK HILL	FOSTER RANCH RD	No bike facility	Sidepath - FOSTER RANCH RD from SOUTHWEST PKWY to TRAVIS GREEN LN	2 - High	5 - Very Low
2G - 201	OAK HILL	PARKWOOD DR	Missing sidewalk	Construct new sidewalk - PARKWOOD DR from W US 290 HWY SVRD WB to SCHOOL RD	4 - Low	4 - Low

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2G - 202	OAK HILL	SCHOOL RD	Missing sidewalk	Construct new sidewalk - SCHOOL RD from PATTON RANCH RD to PARKWOOD DR	2 - High	3 - Medium
2G - 203	OAK HILL	PATTON RANCH RD	Missing sidewalk	Construct new sidewalk - PATTON RANCH RD from VEGA AVE to W US 290 HWY Construct new sidewalk - EIGER RD from Near 5525 EIGER RD to VEGA AVE	2 - High	4 - Low
2G - 204	OAK HILL	PATTON RANCH RD	Missing sidewalk	Construct new sidewalk - EIGER RD from VEGA AVE to Near 5525 EIGER RD Construct new sidewalk - PATTON RANCH RD from SCHOOL RD to VEGA AVE	2 - High	4 - Low
2G - 205	PATTON, SMALL	MONTEREY OAKS BLVD	Missing sidewalk	Construct new sidewalk - MONTEREY OAKS BLVD from Near 4701 MONTEREY OAKS BLVD to BRUSH COUNTRY RD	3 - Medium	3 - Medium
2G - 206	PATTON, SMALL	WESTCREEK DR	Missing sidewalk	Construct new sidewalk - WESTCREEK DR from CANA CV to end of road	3 - Medium	3 - Medium
2G - 207	PATTON, SMALL	IRIS LN	Missing sidewalk	Construct new sidewalk - IRIS LN from MORNING DEW DR to SMITH OAK TRL	5 - Very Low	5 - Very Low
2G - 208	PATTON, SMALL	MORNING DEW DR	Missing sidewalk	Construct new sidewalk - MORNING DEW DR from SUN VISTA DR to IRIS LN	5 - Very Low	5 - Very Low

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2G - 601	OAK HILL	Midblock - EIGER RD	Missing connection from Latana Ridge to Eiger	Install trail * ~	5 - Very Low	5 - Very Low
2G - 602	OAK HILL	EIGER RD / PATTON RANCH RD / VEGA AVE	No marked crossing	Add curb extensions Install 2 curb extensions on Vega and Patton Ranch Install 2 curb ramps Install high visibility crosswalk [1] across Vega Install/update pedestrian push buttons *	2 - High	2 - High

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2G - 603	OAK HILL	PATTON RANCH RD / SCHOOL RD	Lack of traffic control on Patton Ranch created backup for turning vehicles	Install stop sign	1 - Very High	1 - Very High

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2G - 604	OAK HILL	Midblock - SCHOOL RD	No marked crossing	Add curb extensions Install 2 curb ramps Install high visibility crosswalk [2] across School Road Install Rapid Flash Beacon *	3 - Medium	3 - Medium
2G - 605	OAK HILL	Midblock - SCHOOL RD	No marked crossing	Add curb extensions Install 2 curb ramps Install high visibility crosswalk [1] across School Road Install Pedestrian Hybrid Beacon Install/update pedestrian push buttons *	4 - Low	4 - Low

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2G - 606	PATTON, SMALL	MONTEREY OAKS BLVD / STAGGERBRUSH RD	High speed crossing, Long crossing distance, High speed crossing; Long crossing distance; Cars occasionally block crosswalk southbound when dropping off in morning	Add curb extensions Install Rapid Flash Beacon Install Rapid Flash Beacon; Install "Do-not-block-crosswalk" sign and markings	3 - Medium	3 - Medium
2G - 607	PATTON, SMALL	OLD FREDERICKSBURG RD / WESTCREEK DR	Non-compliant curb ramps, Faded crosswalk markings, Long crossing distance, Wide curb radii	Add curb extensions Install 2 curb extensions on Old Fredericksburg Road Repaint crosswalk markings [2] across West Creek Drive and Old Fredericksburg Road Replace existing curb ramp *	2 - High	2 - High

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2G - 608	PATTON, SMALL	MORNING DEW DR / WESTCREEK DR	Non-compliant curb ramps, Wide curb radii, Vehicles park near crosswalks and ignore parking restrictions. No lanes/signs/markings at driveway exit.	<p>Add curb extensions</p> <p>Install 2 curb extensions on Morning View Drive</p> <p>Replace existing curb ramp</p> <p>Stripe and sign lanes to formalize vehicle movements at driveway exit</p> <p>Tighten curb radii *</p>	2 - High	2 - High
2G - 609	PATTON, SMALL	BRUSH COUNTRY RD / MONTEREY OAKS BLVD	Missing curb ramps, High speed crossing, Long crossing distance, Missing curb ramps, High speed crossing, Long crossing distance, High volume of left turns out of school driveway creating conflicts with pedestrians crossing Monterey Oaks.	<p>Install 2 curb ramps</p> <p>Install traffic controls to prohibit left turns out of school driveway</p> <p>Left turn restriction from driveway ~</p>	2 - High	1 - Very High

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2G - 610	PATTON, SMALL	HILL FOREST DR / WESTCREEK DR	Non-compliant curb ramps, Long crossing distance, Wide curb radii	Add curb extensions Install 2 curb extensions on Hill Forest Drive Replace existing curb ramp *	2 - High	1 - Very High
2G - 611	PATTON*, SMALL*	BRUSH COUNTRY RD / W WILLIAM CANNON DR	long crossing distance, high speed crossing	Add median refuge island on W William Cannon Dr	2 - High	1 - Very High
2G - 612	PATTON*, SMALL*	BRUSH COUNTRY RD / ONE OAK RD	high speed crossing	Add signage	5 - Very Low	5 - Very Low
2G - 613	PATTON*, SMALL*	SOUTHWEST PKWY / FOSTER RANCH	Wide crossing and high speed traffic	Add curb ramps (2), Add high visibility crosswalk (4), Tighten curb radii (2)	2 - High	2 - High
2G - 801	OAK HILL	Near 6101 PATTON RANCH RD	Parking lot design creates confusion/conflicts	Study and redesign parking lot + ~	2 - High	1 - Very High
2G - 802	OAK HILL	Near 5900 PATTON RANCH RD	Brush blocking sight lines	Remove brush / Trim vegetation	5 - Very Low	5 - Very Low

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2G - 803	OAK HILL	Near 6101 PATTON RANCH RD	No bike racks	Add bike parking	5 - Very Low	5 - Very Low
2G - 804	PATTON, SMALL	Near 5913 WESTCREEK DR	Parking lot backs up onto roadway, making roadway crossings difficult	Reconfigure parking lot ~	1 - Very High	1 - Very High
2G - 805	PATTON, SMALL	Near 6020 WESTCREEK DR	School zone end sign here is located too close to school	Move sign to Hill Forest Drive midblock to the south	5 - Very Low	5 - Very Low
2G - 806	PATTON, SMALL	Near 6101 HILL FOREST DR	School zone end sign is obstructed by vegetation	Add bike parking Prune vegetation	5 - Very Low	5 - Very Low
2G - 807	PATTON, SMALL	Near 4800 STAGGERBRUSH RD	No school zone signage	Install new school zone sign and beacon	5 - Very Low	5 - Very Low
2G - 808	PATTON, SMALL	Near 4901 CANA CV	Roadway is underutilized for queuing drop-off traffic	Designate park and walk site - WESTCREEK DR from CANA CV to 6030 WESTCREEK DR + ~	5 - Very Low	4 - Low
2G - 901	OAK HILL	From School RD to school entrance	Difficult crossing from school road through parking to entrance	Construct new trail	1 - Very High	1 - Very High

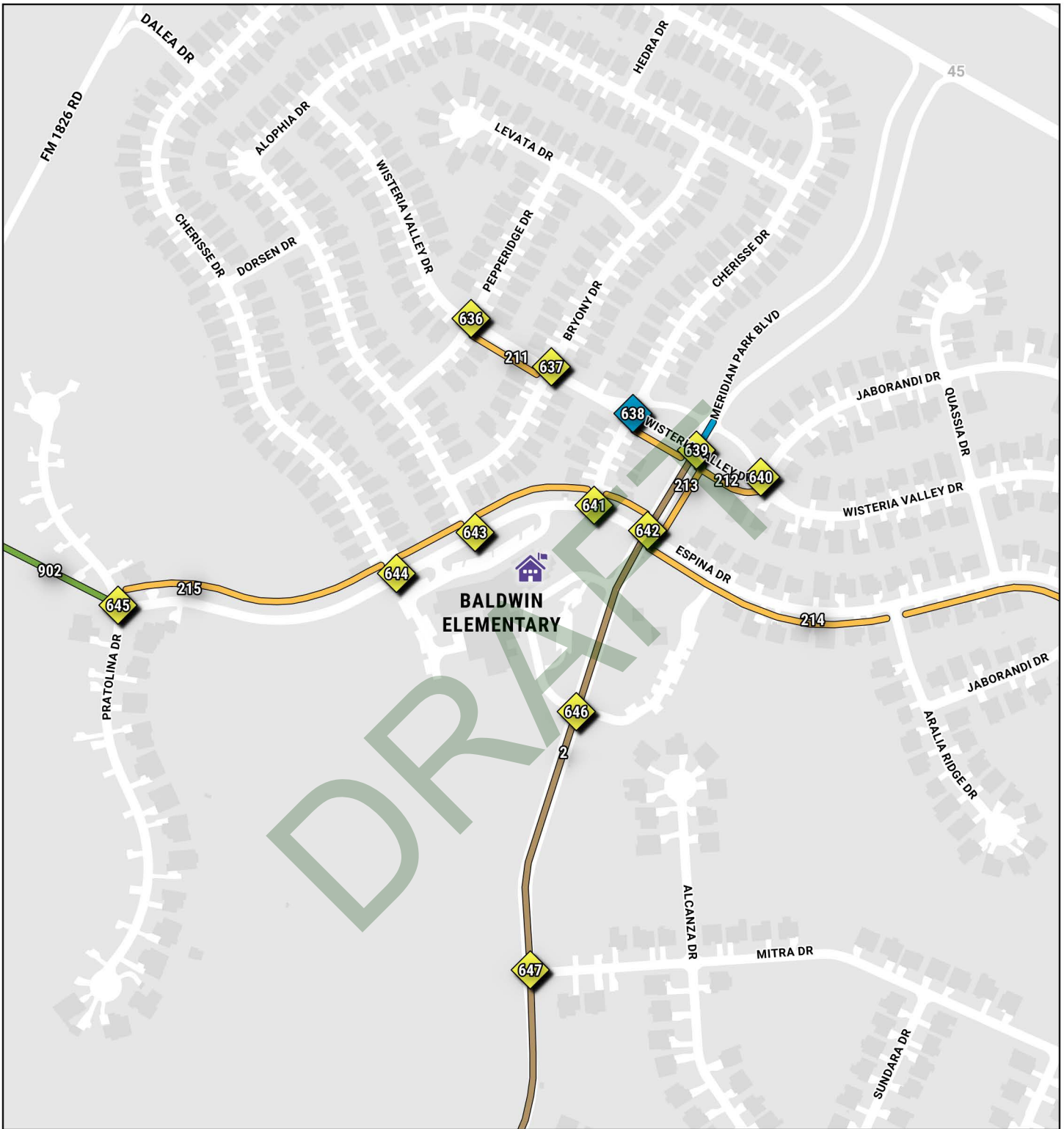
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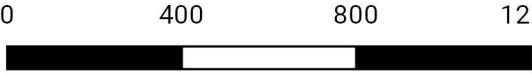
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2G - 902	PATTON; SMALL	Connection from Staggerbrush Rd to Small MS	Lack of connectivity	Construct new trail	1 - Very High	3 - Medium
2G - 903	PATTON, SMALL	Small MS to Brush County Rd townhomes; and from Staggerbrush Rd to Small MS	No trail connection	Construct new trail	1 - Very High	3 - Medium
2G - 904	PATTON, SMALL	Connection between Summerset Trl, Westcreek Dr, and townhomes east of Patton ES	No trail connection	Construct new trail	2 - High	4 - Low
2G - 905	PATTON	McCarty to Fairvalley	No trail connection	Construct new trail	5 - Very Low	5 - Very Low

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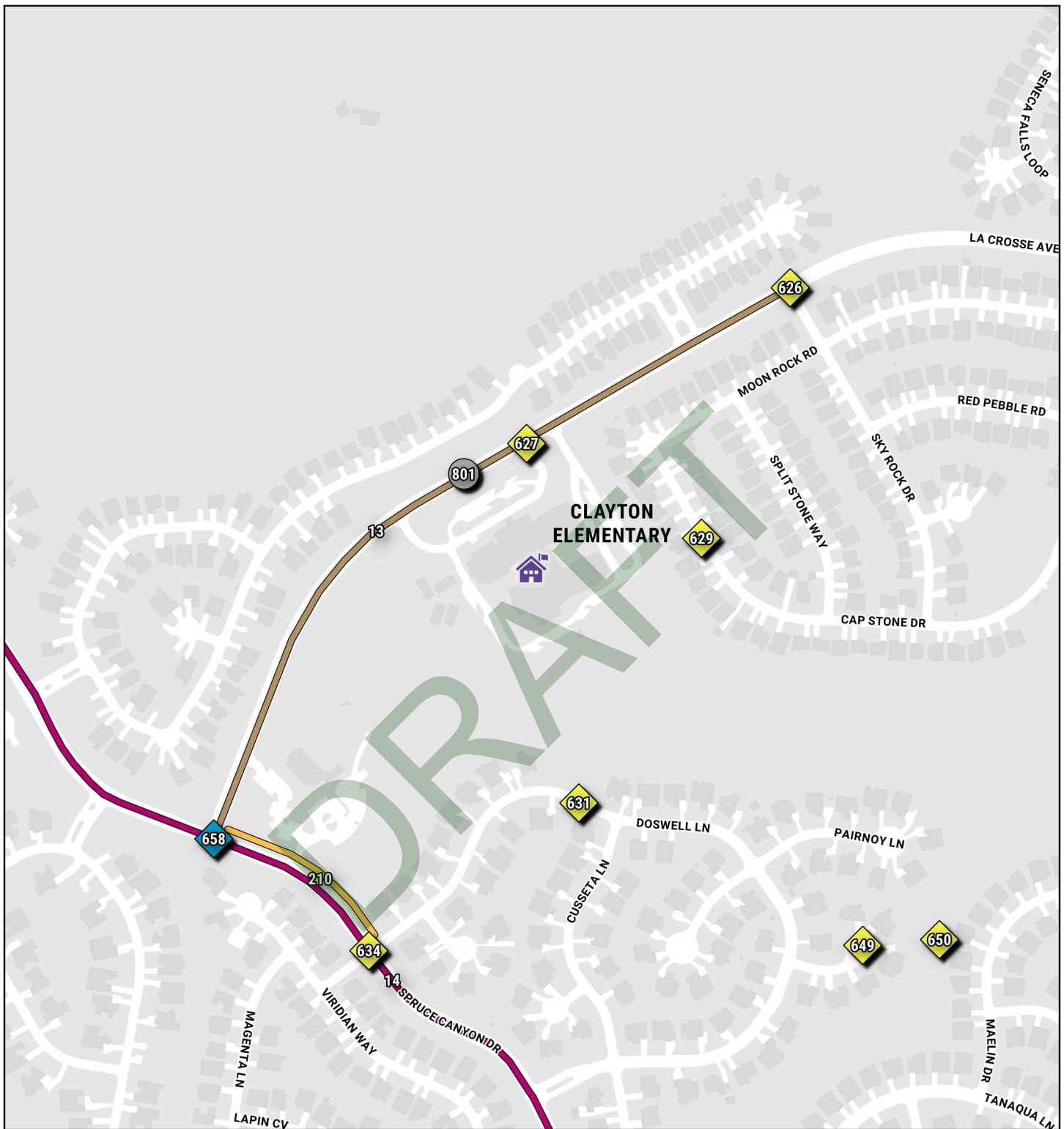
TOOLE
DESIGN








Recommendations

- ◆ Traffic Control / Intersection Reconfiguration
- ◆ Ramp / Curb Extension / Crosswalk
- Over / Underpass
- Other

- Off-Street Trail
- Bike Lane / Buffered Bike Lane / Protected Bike Lane
- Sidepath
- Neighborhood Bikeway / Traffic Calming
- Other
- New / Improved Sidewalk



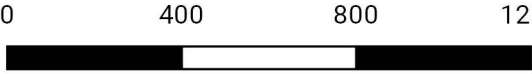


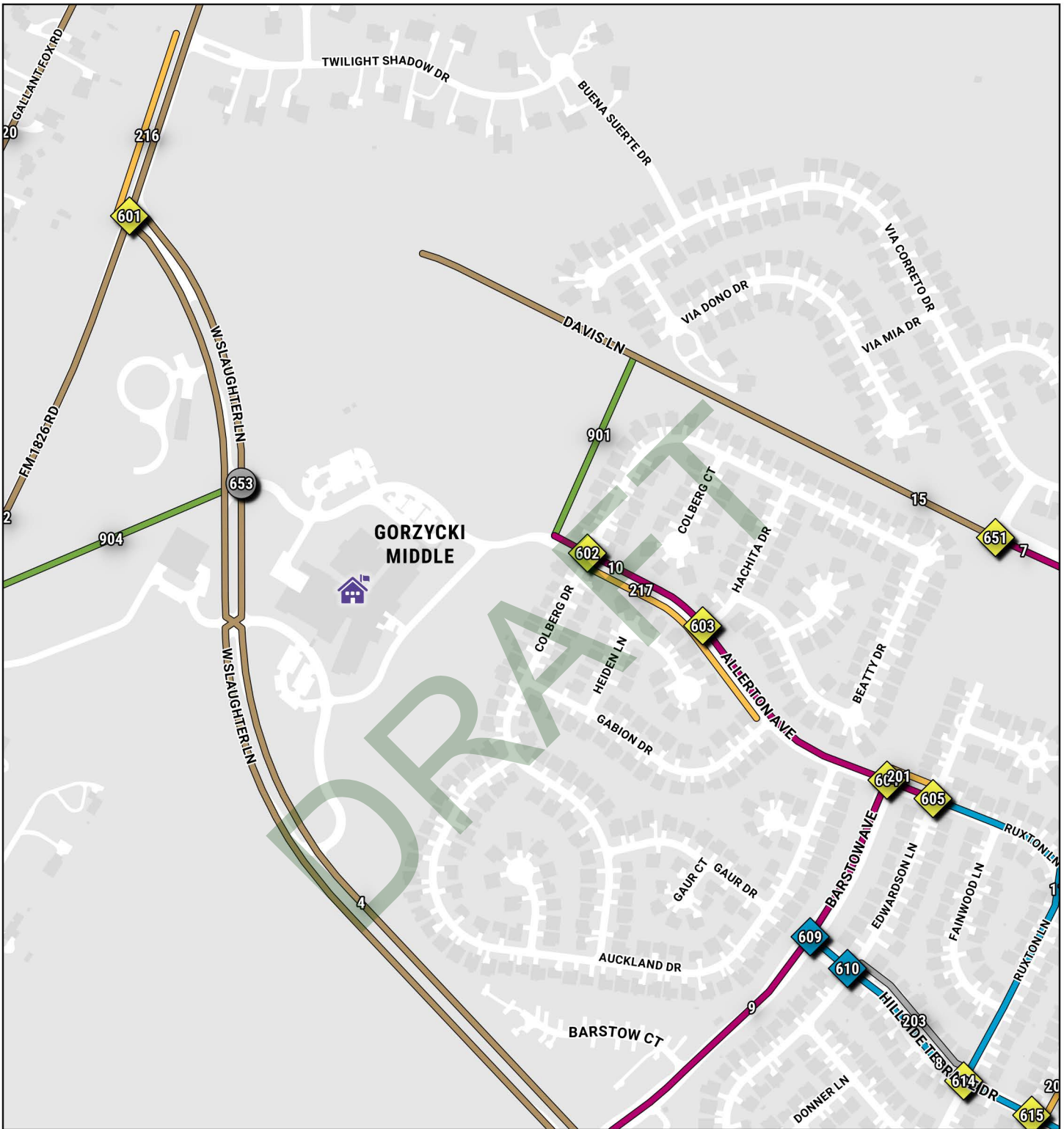





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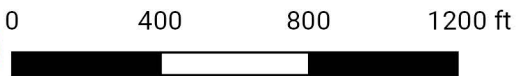
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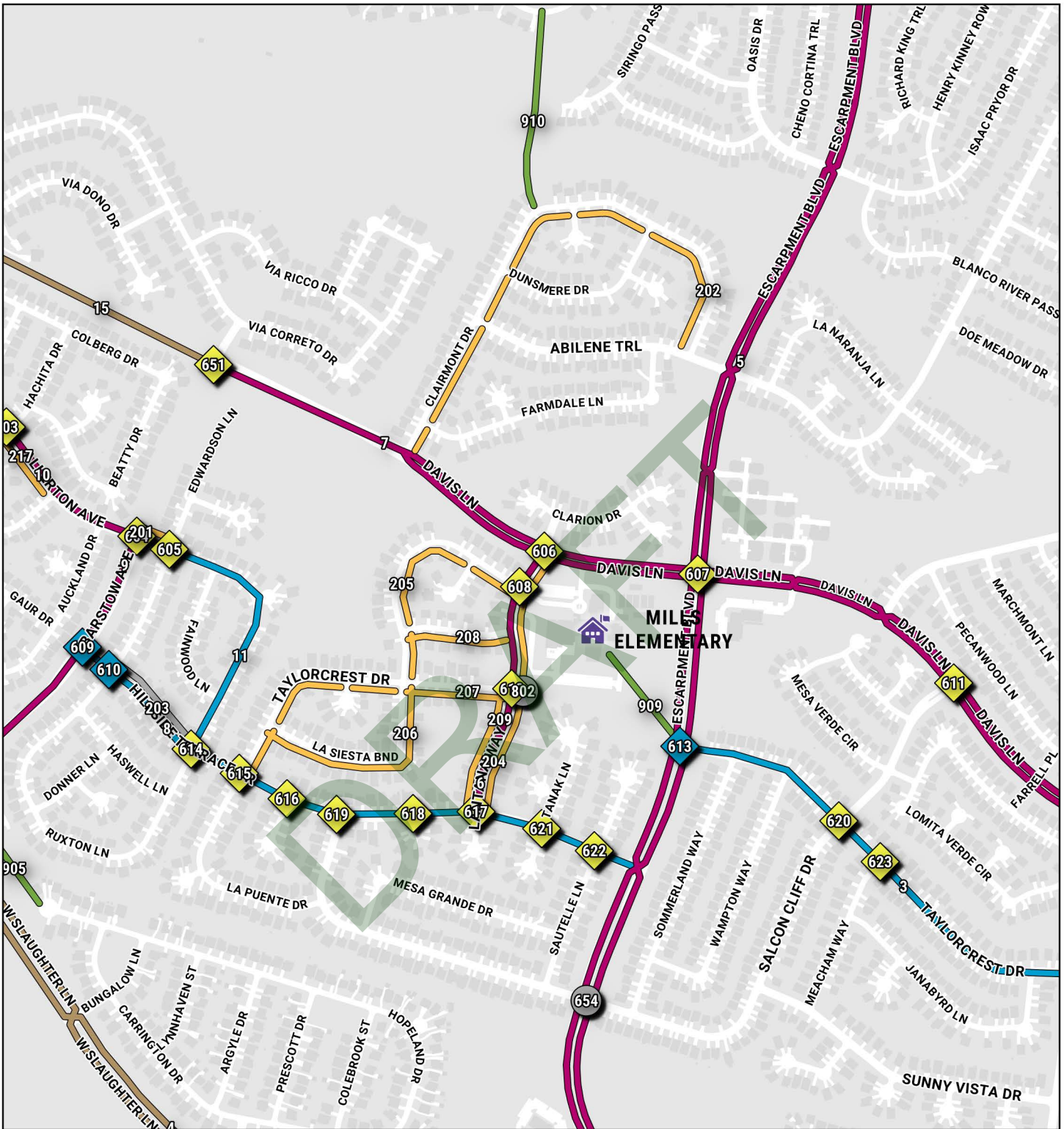
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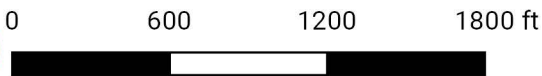
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2H - 001	KIKER	LA CROSSE AVE	Long crossing distance, traffic congestion, wide curb radii	Sidepath - LA CROSSE AVE from ESCARPMENT BLVD to DAHLGREEN AVE center turn lane" - LA CROSSE AVE from ESCARPMENT BLVD to ECLIPSE LN "2 travel lanes - LA CROSSE AVE from ESCARPMENT BLVD to ECLIPSE LN Lane diet (changing lane widths) - LA CROSSE AVE from ESCARPMENT BLVD to ECLIPSE LN	1 - Very High	5 - Very Low
2H - 002	BALDWIN	MERIDIAN PARK BLVD	Desired bike route, Excessive vehicle speeds, No bike facility, Wide ROW	Sidepath - MERIDIAN PARK BLVD from MITRA DR to WISTERIA VALLEY DR Add chicanes - MERIDIAN PARK BLVD from Near 7540 WISTERIA VALLEY DR to Near 7540 WISTERIA VALLEY DR Add median - MERIDIAN PARK BLVD from Near 7540 WISTERIA VALLEY DR to Near 7540 WISTERIA VALLEY DR *	5 - Very Low	5 - Very Low

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2H - 003	MILLS	TAYLORCREST DR	Desired bike route, Excessive vehicle speeds, No bike facility, Wide ROW	Add speed cushions - TAYLORCREST DR from ESCARPMENT BLVD to BECKETT RD Neighborhood Bikeway - TAYLORCREST DR from ESCARPMENT BLVD to BECKETT RD +	2 - High	2 - High
2H - 004	GORZYCKI	W SLAUGHTER LN	Desired bike route, Excessive vehicle speeds, No bike facility, Wide ROW	Sidepath - W SLAUGHTER LN from FM 1826 RD to ESCARPMENT BLVD	1 - Very High	5 - Very Low
2H - 005	MILLS	ESCARPMENT BLVD	Excessive vehicle speeds, Wide ROW	Protected Bike Lane - ESCARPMENT BLVD from OASIS DR to W SLAUGHTER LN	1 - Very High	5 - Very Low
2H - 006	MILLS	LANTANA WAY	Desired bike route, Excessive vehicle speeds, No bike facility, Wide ROW	Bike Lane - LANTANA WAY from HILLSIDE TERRACE DR to DAVIS LN +	2 - High	2 - High
2H - 007	GORZYCKI, MILLS	DAVIS LN	Desired bike route, Excessive vehicle speeds, No bike facility	Add School Zone Sign with flashers - DAVIS LN from CLAIRMONT DR to ESCARPMENT BLVD Add Dynamic Speed Display Device - DAVIS LN Protected Bike Lane - DAVIS LN from BARSTOW DR to LA CRESADA DR	1 - Very High	5 - Very Low

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2H - 008	GORZYCKI, MILLS	HILLSIDE TERRACE DR	Desired bike route, Excessive vehicle speeds, No bike facility, Wide ROW	Neighborhood Bikeway - HILLSIDE TERRACE DR from BARSTOW AVE to ESCARPMENT BLVD Add speed cushions - HILLSIDE TERRACE DR from BARSTOW AVE to ESCARPMENT BLVD	1 - Very High	2 - High
2H - 009	GORZYCKI, MILLS	BARSTOW AVE	Desired bike route, No bike facility, Wide ROW	Buffered Bike Lane - BARSTOW AVE from W SLAUGHTER LN to RUXTON LN +	4 - Low	4 - Low
2H - 010	GORZYCKI, MILLS	ALLERTON AVE	Desired bike route, No bike facility, Wide ROW	Protected Bike Lane - ALLERTON AVE from Near 7105 ALLERTON AVE to RUXTON LN Protected Bike Lane - RUXTON LN from ALLERTON AVE to EDWARDSON LN +	1 - Very High	1 - Very High
2H - 011	GORZYCKI, MILLS	RUXTON LN	Desired bike route, No bike facility, Wide ROW	Add speed cushions - RUXTON LN from EDWARDSON LN to HILLSIDE TERRACE DR Neighborhood Bikeway - RUXTON LN from EDWARDSON LN to HILLSIDE TERRACE DR	1 - Very High	1 - Very High
2H - 012	GORZYCKI	FM 1826 RD	Desired bike route, Excessive vehicle speeds, No bike facility, Wide ROW	Sidepath - FM 1826 RD from TWILIGHT MESA DR to GALLANT FOX RD	2 - High	5 - Very Low
2H - 013	CLAYTON	LA CROSSE AVE	No bike facility	Sidepath - LA CROSSE AVE from SPRUCE CANYON DR to SKY ROCK DR	2 - High	5 - Very Low

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2H - 014	CLAYTON	SPRUCE CANYON DR	No bike facility	Protected Bike Lane - SPRUCE CANYON DR from FANCA DR to TANAQUA LN	2 - High	4 - Low
2H - 015	GORZYCKI, MILLS	DAVIS LN	No bike facility, No Bike facility	Sidepath - DAVIS LN from street end to BARSTOW DR	5 - Very Low	5 - Very Low
2H - 016	BALDWIN	APPALOOSA RUN	No bike facility	Sidepath - APPALOOSA RUN from FM 1826 RD to JESS DR ~	4 - Low	5 - Very Low
2H - 017	BALDWIN*	GRANADA HILLS DR	No sidewalks	Sidepath - GRANADA HILLS DR from end of road to LA TOSCA DR	4 - Low	5 - Very Low
2H - 018	BALDWIN*	ESPANOLA TRL	No sidewalks	Sidepath - ESPANOLA TRL from GRANADA HILLS DR to LA FAUNA PATH - ESPANOLA TRL from GRANADA HILLS DR to LA FAUNA PATH	4 - Low	5 - Very Low
2H - 019	GORZYCKI	EL REY BLVD	No sidewalks	Sidepath - EL REY BLVD from SAN DIEGO RD to W US 290 HWY - EL REY BLVD from SAN DIEGO RD to W US 290 HWY Sidepath - ADOBE TRL from GRANADA HILLS DR to GALLANT FOX RD	2 - High	5 - Very Low
2H - 020	GORZYCKI	GALLANT FOX RD	No sidewalks	Sidepath - GALLANT FOX RD from FM 1826 to FM 1826	3 - Medium	5 - Very Low

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2H - 021	KIKER	DAHLGREEN AVE	No bike facility, traffic congestion - all the way south to Gorham Glen Ln, traffic congestion all the way south to Gorham Glen Ln	Sidepath - DAHLGREEN AVE from GORHAM GLEN LN to LA CROSSE AVE	3 - Medium	5 - Very Low
2H - 022	KIKER	LA CROSSE AVE	Long crossing distance, wide curb radii	Protected Bike Lane - LA CROSSE AVE from ECLIPSE LN to SUNDROP VALLEY DR	2 - High	3 - Medium
2H - 201	GORZYCKI, MILLS	RUXTON LN	Missing sidewalk	Construct new sidewalk - RUXTON LN from ALLERTON AVE to EDWARDSON LN	3 - Medium	2 - High
2H - 202	MILLS	CLAIRMONT DR	Missing sidewalk	Construct new sidewalk - CLAIRMONT DR from ABILENE TRL to DAVIS LN	4 - Low	5 - Very Low
2H - 203	GORZYCKI, MILLS	HILLSIDE TERRACE DR	Missing sidewalk	Construct sidewalk (Fill in gap) - HILLSIDE TERRACE DR from EDWARDSON LN to RUXTON LN	5 - Very Low	5 - Very Low
2H - 204	MILLS	LANTANA WAY	Narrow sidewalk	Widen existing sidewalk - LANTANA WAY from TAYLORCREST DR to HILLSIDE TERRACE DR Widen existing sidewalk - LANTANA WAY from DAVIS LN to TAYLORCREST DR	5 - Very Low	5 - Very Low
2H - 205	MILLS	LA SIESTA BND	Missing sidewalk	Construct new sidewalk - LA SIESTA BND from TAYLORCREST DR to LANTANA WAY	4 - Low	4 - Low

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2H - 206	MILLS	LA SIESTA BND	Missing sidewalk	Construct new sidewalk - LA SIESTA BND from Near 9100 LA SIESTA BND to Near 9241 LA SIESTA BND	5 - Very Low	5 - Very Low
2H - 207	MILLS	TAYLORCREST DR	Missing sidewalk	Construct new sidewalk - TAYLORCREST DR from LANTANA WAY to HILLSIDE TERRACE DR	3 - Medium	4 - Low
2H - 208	MILLS	LA CARMAN LN	Missing sidewalk	Construct new sidewalk - LA CARMAN LN from LANTANA WAY to LA SIESTA BND	5 - Very Low	4 - Low
2H - 209	MILLS	LANTANA WAY	Missing sidewalk	Construct new sidewalk - LANTANA WAY from HILLSIDE TERRACE DR to TAYLORCREST DR	4 - Low	4 - Low
2H - 210	CLAYTON	SPRUCE CANYON DR	Poor condition	Repair existing sidewalk - SPRUCE CANYON DR from LA CROSSE AVE to DOSWELL LN	5 - Very Low	5 - Very Low
2H - 211	BALDWIN	WISTERIA VALLEY DR	Missing sidewalk	Construct new sidewalk - WISTERIA VALLEY DR from BRYONY DR to PEPPERIDGE DR	5 - Very Low	5 - Very Low
2H - 212	BALDWIN	WISTERIA VALLEY DR	Missing sidewalk	Construct new sidewalk - WISTERIA VALLEY DR from JABORANDI DR to CHERISSE DR	5 - Very Low	5 - Very Low
2H - 213	BALDWIN	MERIDIAN PARK BLVD	Missing sidewalk	Construct new sidewalk - MERIDIAN PARK BLVD from WISTERIA VALLEY DR to ESPINA DR	4 - Low	3 - Medium
2H - 214	BALDWIN	ESPINA DR	Missing sidewalk	Construct new sidewalk - ESPINA DR from MERIDIAN PARK BLVD to JABORANDI DR	5 - Very Low	5 - Very Low
2H - 215	BALDWIN	ESPINA DR	Missing sidewalk	Construct new sidewalk - ESPINA DR from PRATOLINA DR to MERIDIAN PARK BLVD	4 - Low	5 - Very Low
2H - 216	GORZYCKI	FM 1826 RD	Narrow sidewalk	Widen existing sidewalk - FM 1826 RD from W SLAUGHTER LN to TWILIGHT SHADOW DR	5 - Very Low	5 - Very Low

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2H - 217	GORZYCKI	ALLERTON AVE	Missing sidewalk	Construct new sidewalk - ALLERTON AVE from GABION DR to COLBERG DR	2 - High	2 - High
2H - 601	GORZYCKI	FM 1826 RD / W SLAUGHTER LN	Faded crosswalk markings, High speed crossing, Short crossing signal length	Add a Yield to pedestrian sign on the corner of W Slaughter Ln where cars are turning right to 1826; extend the pedestrian signal crossing time. Increase pedestrian crossing time Install high visibility crosswalk [1] across 1826	3 - Medium	5 - Very Low
2H - 602	GORZYCKI	ALLERTON AVE / COLBERG DR	No marked crossing	Install high visibility crosswalk [4] across Colberg Dr and Allerton Ave	2 - High	1 - Very High
2H - 603	GORZYCKI	ALLERTON AVE / HACHITA DR	No marked crossing	Install high visibility crosswalk [1] across Allerton and Hachita Dr	2 - High	1 - Very High
2H - 604	GORZYCKI, MILLS	ALLERTON AVE / BARSTOW AVE / RUXTON LN	No marked crossing, Missing curb ramps	Install 1 curb ramp Install high visibility crosswalk [1] across Barstow and Ruxton	2 - High	1 - Very High
2H - 605	GORZYCKI, MILLS	EDWARDSO N LN / RUXTON LN	Missing curb ramps, Non-compliant curb ramps, No marked crossing	Install 1 curb ramp Install high visibility crosswalk [1] across Edwardson Ln	2 - High	1 - Very High

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2H - 606	MILLS	DAVIS LN / LANTANA WAY	Non-compliant curb ramps, No marked crossing, Faded crosswalk markings, High speed crossing, Long crossing distance	Install high visibility crosswalk [1] across Davis Install Rapid Flash Beacon Replace existing curb ramp	2 - High	2 - High
2H - 607	MILLS	DAVIS LN / ESCARPMEN T BLVD	Faded crosswalk markings, High speed crossing, Long crossing distance, Wide curb radii	Add no right turn on red signs before intersection. Install high visibility crosswalk [4] across Escarpment and Davis Tighten curb radii	1 - Very High	1 - Very High
2H - 608	MILLS	LANTANA WAY / LA SIESTA BND	Non-compliant curb ramps	Add curb extensions Replace existing curb ramp *	3 - Medium	3 - Medium
2H - 609	GORZYCKI	BARSTOW AVE / HILLSIDE TERRACE DR	Missing curb ramps, No marked crossing, Non-compliant curb ramps, High speed crossing, Long crossing distance	Add median refuge island on Barstow Install 2 curb ramps Install high visibility crosswalk [3] across Barstow and Hillside Terrace Replace existing curb ramp	5 - Very Low	5 - Very Low

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2H - 610	GORZYCKI, MILLS	EDWARDSO N LN / HILLSIDE TERRACE DR	No marked crossing	Add median refuge island on Hillside Terrace Install high visibility crosswalk [4] across Hillside terrace and Edwardson In	5 - Very Low	4 - Low
2H - 611	MILLS	DAVIS LN / SALCON CLIFF DR	No marked crossing	Install high visibility crosswalk [1] across Davis and Salcon Cliff	5 - Very Low	3 - Medium
2H - 612	MILLS	LANTANA WAY / TAYLORCRES T DR	No marked crossing	Add curb extensions Install high visibility crosswalk [1] across Lantana Way	4 - Low	4 - Low
2H - 613	MILLS	ESCARPMEN T BLVD / TAYLORCRES T DR	No marked crossing, No pedestrian signals, Non-ADA push buttons, Poor sightlines, High speed crossing, Long crossing distance	Add median refuge island on Escarpment Install high visibility crosswalk [1] across Escarpment Install Pedestrian Hybrid Beacon	2 - High	3 - Medium
2H - 614	MILLS	HILLSIDE TERRACE DR / RUXTON LN	Missing curb ramps, No marked crossing	Install high visibility crosswalk [3] across Ruxton and hillside terrace dr	2 - High	1 - Very High

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2H - 615	MILLS	HILLSIDE TERRACE DR / LA PUENTE DR / TAYLORCREST DR	No marked crossing	Install high visibility crosswalk [4] across La puente dr/Taylorcrest and Hillside Terrace	2 - High	1 - Very High
2H - 616	MILLS	HILLSIDE TERRACE DR / LE CONTE CV	No marked crossing	Install high visibility crosswalk [1] across Le Conte Cove	4 - Low	2 - High
2H - 617	MILLS	HILLSIDE TERRACE DR / LANTANA WAY	Missing curb ramps, No marked crossing	Install 2 curb ramps Install high visibility crosswalk [1] across Lantana way and Hillside Terrace Dr	3 - Medium	1 - Very High
2H - 618	MILLS	HILLSIDE TERRACE DR / PIZARRO CV	No marked crossing	Install high visibility crosswalk [2] across Pizarro Cove	3 - Medium	1 - Very High
2H - 619	MILLS	HILLSIDE TERRACE DR / SALCON CLIFF DR	No marked crossing	Install high visibility crosswalk [1] across Salcon Cliff	4 - Low	2 - High

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2H - 620	MILLS	SALCON CLIFF DR / TAYLORCREST DR	No marked crossing, High speed crossing, Missing stop signs	Install high visibility crosswalk [4] across Salcon and Taylorcrest	3 - Medium	2 - High
2H - 621	MILLS	HILLSIDE TERRACE CV / HILLSIDE TERRACE DR / TANAK LN	Missing curb ramps, No marked crossing	Install 2 curb ramps Install high visibility crosswalk [4] across Tanak Ln	3 - Medium	2 - High
2H - 622	MILLS	HILLSIDE TERRACE DR / SAUTELLE LN	Missing curb ramps, No marked crossing	Install 2 curb ramps Install high visibility crosswalk [2] across Sautellen Ln	4 - Low	2 - High
2H - 623	MILLS	MEACHAM WAY / TAYLORCREST DR	No marked crossing	Install high visibility crosswalk [1] across Meacham	4 - Low	2 - High
2H - 624	CLAYTON	CAP STONE DR / LA CROSSE AVE / SENECA FALLS DR	No marked crossing	Install 4 curb ramps Install high visibility crosswalk [1] across La Crosse	4 - Low	2 - High

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2H - 625	CLAYTON	HANSA DR / LA CROSSE AVE	No marked crossing	Install high visibility crosswalk [1] across La Crosse	3 - Medium	2 - High
2H - 626	CLAYTON	LA CROSSE AVE / SKY ROCK DR	No marked crossing	Install high visibility crosswalk [1] across La Crosse	5 - Very Low	4 - Low
2H - 627	CLAYTON	Midblock - LA CROSSE AVE	No marked crossing, Poor sightlines	Install high visibility crosswalk [1] across Driveway Install Rapid Flash Beacon	1 - Very High	1 - Very High
2H - 628	CLAYTON*	Midblock - FOX CREEK DR	No marked crossing	Install high visibility crosswalk [1] across La Crosse	3 - Medium	1 - Very High
2H - 629	CLAYTON	Midblock - CAP STONE DR	No marked crossing	Install high visibility crosswalk [1] across Cap Stone Dr	4 - Low	2 - High
2H - 630	KIKER	ESCARPMEN T BLVD / LA CROSSE AVE	No marked crossing, No lighting	Add lighting Install high visibility crosswalk [4] across Escarpment Add median refuge island (4)	1 - Very High	2 - High

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2H - 631	CLAYTON	Midblock - DOSWELL LN	No marked crossing	Install curb ramps (4) Add curb extensions (4) Install high visibility crosswalk [1] across Doswell	4 - Low	3 - Medium
2H - 632	KIKER	LA CROSSE AVE / RHETT BUTLER DR	No marked crossing	Install 4 curb ramps Install high visibility crosswalk [1] across La Crosse	2 - High	1 - Very High
2H - 633	KIKER	Midblock - DAHLGREEN AVE	Missing/non-compliant curb ramps, No marked crossing, Poor sightlines, No lighting	Add lighting Install 4 curb ramps Install high visibility crosswalk [1] across Dahlgreen Ave Install Rapid Flash Beacon *	3 - Medium	2 - High
2H - 634	CLAYTON	DOSWELL LN / SPRUCE CANYON DR	No marked crossing	Install 2 curb ramps Install high visibility crosswalk [2] across Spruce canyon	2 - High	1 - Very High

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2H - 635	KIKER	Midblock - DAHLGREEN AVE	Missing/non-compliant curb ramps, No marked crossing, Poor sightlines, No lighting	Add lighting Install 4 curb ramps Install high visibility crosswalk [1] across Dahlgreen Ave Install Rapid Flash Beacon	3 - Medium	2 - High
2H - 636	BALDWIN	PEPPERIDGE DR / WISTERIA VALLEY DR	Missing curb ramps	Install 4 curb ramps *	5 - Very Low	5 - Very Low
2H - 637	BALDWIN	BRYONY DR / WISTERIA VALLEY DR	Missing curb ramps	Install 4 curb ramps *	5 - Very Low	4 - Low
2H - 638	BALDWIN	CHERISSE DR / WISTERIA VALLEY DR	Missing curb ramps, No marked crossing, Long crossing distance, Wide curb radii	Install high visibility crosswalk [4] across Cerisse and wisteria Intersection reconfiguration *	5 - Very Low	5 - Very Low
2H - 639	BALDWIN	MERIDIAN PARK BLVD / WISTERIA VALLEY DR	Missing curb ramps	Install 4 curb ramps *	5 - Very Low	5 - Very Low

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2H - 640	BALDWIN	JABORANDI DR / WISTERIA VALLEY DR	No marked crossing	Install high visibility crosswalk [1] across Wisteria	5 - Very Low	5 - Very Low
2H - 641	BALDWIN	CHERISSE DR / ESPINA DR	No marked crossing	Install 3 curb ramps	5 - Very Low	3 - Medium
2H - 642	BALDWIN	ESPINA DR / MERIDIAN PARK BLVD	Missing curb ramps, No marked crossing, Wide curb radii	Add curb extensions Install 2 curb extensions on Espina and Meridien Install 2 curb ramps Install high visibility crosswalk [2] across Espina and Meridien Tighten curb radii *	4 - Low	3 - Medium
2H - 643	BALDWIN	ALOPHIA DR / ESPINA DR	No marked crossing	Install 3 curb ramps Install high visibility crosswalk [3] across Espina and also Alophia	5 - Very Low	4 - Low
2H - 644	BALDWIN	CHERISSE DR / ESPINA DR	No marked crossing	Install 3 curb ramps Install high visibility crosswalk [1] across Cherisse	4 - Low	3 - Medium
2H - 645	BALDWIN	ESPINA DR / PRATOLINA DR	No marked crossing	Install 3 curb ramps Install high visibility crosswalk [1] across Espina	5 - Very Low	4 - Low

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2H - 646	BALDWIN	Midblock - MERIDIAN PARK BLVD	Poor sightlines, High speed crossing	Add curb extensions Install high visibility crosswalk [1] across Meridian *	4 - Low	3 - Medium
2H - 647	BALDWIN	MERIDIAN PARK BLVD / MITRA DR	No marked crossing	Install high visibility crosswalk [1] across Meridian *	5 - Very Low	5 - Very Low
2H - 648	BALDWIN	APPALOOSA RUN / FM 1826 RD	Difficult crossing	Install Pedestrian Hybrid Beacon	4 - Low	4 - Low
2H - 649	CLAYTON	SIERRA RIDGE CT	Missing curb ramps	Install 1 curb ramp	5 - Very Low	4 - Low
2H - 650	CLAYTON	Midblock - MAELIN DR	Missing curb ramps	Install 1 curb ramp	4 - Low	2 - High
2H - 651	GORZYCKI, MILLS	BARSTOW DR / DAVIS LN	Missing curb ramps	Install 1 curb ramp	5 - Very Low	3 - Medium
2H - 652	GORZYCKI	FM 1826 RD / GALLANT FOX RD	High speed crossing	Install Pedestrian Hybrid Beacon	4 - Low	4 - Low
2H - 653	GORZYCKI	Midblock - W SLAUGHTER LN	High speed crossing	Install Pedestrian Hybrid Beacon	2 - High	2 - High

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2H - 654	MILLS	ESCARPMEN T BLVD / SALCON CLIFF DR	High speed crossing; wide crossing distance	Install Pedestrian Hybrid Beacon	2 - High	3 - Medium
2H - 655	KIKER	VINEMONT DR / W SLAUGHTER LN	High speed crossing	Install Pedestrian Hybrid Beacon	2 - High	2 - High
2H - 656	KIKER	LA CROSSE AVE / S MOPAC EXPY NB	Intersection reconfiguration	Install Pedestrian Hybrid Beacon protected intersection	3 - Medium	5 - Very Low
2H - 657	KIKER	LA CROSSE AVE / S MOPAC EXPY SB	Intersection reconfiguration	Install Pedestrian Hybrid Beacon protected intersection	3 - Medium	5 - Very Low
2H - 658	CLAYTON	LA CROSSE AVE / SPRUCE CANYON DR	Long crossing distance	Add median refuge island on Spruce Canyon	2 - High	1 - Very High
2H - 659	KIKER	DAHLGREEN AVE / LA CROSSE AVE	Long crossing distance, wide curb radii	Add curb extensions Install 3 curb extensions on Dahlgreen LaCrosse	3 - Medium	2 - High

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2H - 660	CLAYTON	LA CROSSE AVE / WALPOLE LN	Difficult intersection	Install high visibility crosswalk	3 - Medium	1 - Very High
2H - 801	CLAYTON	Near 7445 BREDCOURT MANOR WAY	Lighting needed at James' crosswalk	Lighting	1 - Very High	1 - Very High
2H - 802	MILLS	Near 9001 LANTANA WAY	Obstructed school sign	Improve sign	4 - Low	3 - Medium
2H - 803	KIKER	Near 10409 DAHLGREEN AVE	Parents make mid-block u-turns creating conflicts with pedestrians	Install U turn btw Rhett Butler and Staff lot along Dahgreen south of the new midblock crossing.	4 - Low	3 - Medium
2H - 901	GORZYCKI	Davis to Allertown Ave	No trail connection	Construct new trail	2 - High	4 - Low
2H - 902	BALDWIN	between Appaloosa Run and Pratolina	No trail connection	Construct new trail	4 - Low	5 - Very Low
2H - 903	CLAYTON	between Hollister Dr and Canfield Dr	No trail connection	Construct new trail	2 - High	5 - Very Low

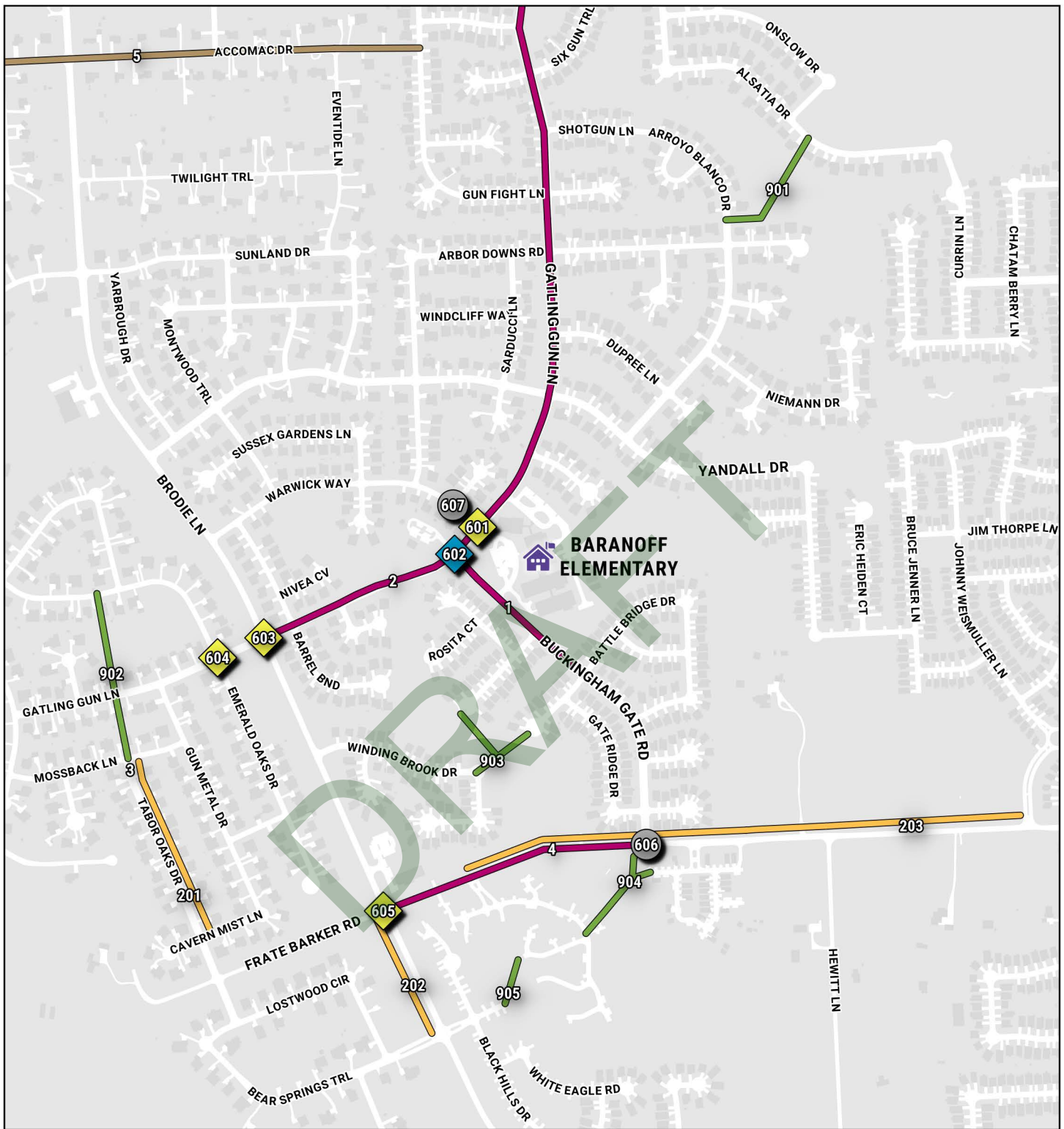
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2H - 904	GORZYCKI	Between gallant fox and gorzycki driveway	No trail connection	Construct new trail	2 - High	4 - Low
2H - 905	GORZYCKI	Between Hopeland Dr and Melava	No trail connection	Construct new trail	2 - High	3 - Medium
2H - 906	KIKER	Kiker ES to Escarpment and Backbay Ln	No trail connection	Construct new trail	2 - High	5 - Very Low
2H - 907	KIKER	Escarpment to Vinemont	No trail connection	Construct new trail	2 - High	5 - Very Low
2H - 908	KIKER	from South Bay Ln to Dahlgreen Ave	No trail connection	Construct new trail	5 - Very Low	5 - Very Low
2H - 909	MILLS	Between Taylorcrest and Mills Elementary	No trail connection	Construct new trail	2 - High	4 - Low
2H - 910	GORZYCKI	between Clairmont Drive and Hot Springs Drive	No trail connection	Construct new trail	5 - Very Low	5 - Very Low

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Recommendations

- ◆ Traffic Control / Intersection Reconfiguration
- ◆ Ramp / Curb Extension / Crosswalk
- Over / Underpass
- Other

- Off-Street Trail
- Bike Lane / Buffered Bike Lane / Protected Bike Lane
- Sidepath
- Neighborhood Bikeway / Traffic Calming
- Other
- New / Improved Sidewalk

TOOLE DESIGN

0 700 1400 2100 ft



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2J - 001	BARANOFF	BUCKINGHAM GATE RD	Confusing turn movements, erratic driving mostly by parents to bypass stacked cars and/or queue jumping by driving on the wrong side of the street., Excessive vehicle speeds, No lane markings, Traffic back up and chaotic turning movements	Protected Bike Lane - BUCKINGHAM GATE RD from GATLING GUN LN to BATTLE BRIDGE DR Lane diet (changing lane widths) - BUCKINGHAM GATE RD from GATLING GUN LN to BATTLE BRIDGE DR No parking - BUCKINGHAM GATE RD from GATLING GUN LN to BATTLE BRIDGE DR +	2 - High	2 - High
2J - 002	BARANOFF	GATLING GUN LN	Excessive vehicle speeds, No bike facility, Wide ROW	Road diet (changing number of lanes) - GATLING GUN LN from SESBANIA DR to BRODIE LN Buffered Bike Lane - GATLING GUN LN from SESBANIA DR to BRODIE LN Buffered bike lanes - GATLING GUN LN from WARWICK WAY to ARROYO BLANCO CV +	1 - Very High	4 - Low
2J - 003	BARANOFF	TABOR OAKS DR	Add bike facility, No bike facility	Sidepath - TABOR OAKS DR from CAVERN MIST LN to MOSSBACK LN	5 - Very Low	5 - Very Low
2J - 004	BARANOFF	FRATE BARKER RD	No bike facility	Protected Bike Lane - FRATE BARKER RD from BRODIE LN to BUCKINGHAM GATE RD	3 - Medium	3 - Medium

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2J - 005	BARANOFF*	GREEN EMERALD TER	No bike facility	Sidepath - GREEN EMERALD TER from LOST OASIS HOLW to BRODIE LN Sidepath - ACCOMAC DR from BRODIE LN to GUN FIGHT LN	3 - Medium	5 - Very Low
2J - 201	BARANOFF	TABOR OAKS DR	Missing sidewalk	Construct new sidewalk - TABOR OAKS DR from MOSSBACK LN to CAVERN MIST LN	5 - Very Low	5 - Very Low
2J - 202	BARANOFF	BRODIE LN	Missing sidewalk	Construct sidepath - BRODIE LN from GREEN EMERALD TERR to GATTLING GUN RD	3 - Medium	3 - Medium
2J - 203	BARANOFF	FRATE BARKER RD	Missing sidewalk	Construct new sidewalk - FRATE BARKER RD from RESERVE CREEK DR to MARCUS ABRAMS BLVD	5 - Very Low	5 - Very Low
2J - 601	BARANOFF	GATLING GUN LN / WARWICK WAY	No marked crossing	Add signage Install high visibility crosswalk [3] across Warwick Way Repaint crosswalk markings [3] across Warwick Way	1 - Very High	1 - Very High
2J - 602	BARANOFF	BUCKINGHAM GATE RD / GATLING GUN LN	Faded crosswalk markings	Add median refuge island on Gatling Gun Ln Repaint crosswalk markings [1] across Buckingham Gate Road	1 - Very High	1 - Very High

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2J - 603	BARANOFF	BRODIE LN / GATLING GUN LN	Missing curb ramps, Non-compliant curb ramps, No marked crossing, Faded crosswalk markings, Non-ADA push buttons, High speed crossing, No lighting	Add lighting Install 4 curb ramps Install high visibility crosswalk [4] across Gatling Gun and Brodie - all 4 legs Install/update pedestrian push buttons Install/update pedestrian signal heads *	1 - Very High	1 - Very High
2J - 604	BARANOFF	EMERALD OAKS DR / GATLING GUN LN	No marked crossing	Install high visibility crosswalk [2] across Gatling Gun	4 - Low	3 - Medium
2J - 605	BARANOFF	BRODIE LN / FRATE BARKER RD	Missing curb ramps, No marked crossing, High speed crossing, No lighting	Add lighting Install high visibility crosswalk [1] across Brodie Install/update pedestrian signal heads	2 - High	1 - Very High
2J - 606	BARANOFF	Midblock - FRATE BARKER RD	gabardine development have no marked crossing to cross frate barker	Install Pedestrian Hybrid Beacon	4 - Low	4 - Low

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2J - 607	BARANOFF	SUDBURY CV / WARWICK WAY	Limited visibility	Restrict on street parking more so that traffic exiting Warwick can see better and move out at a better rate. +	1 - Very High	1 - Very High
2J - 901	BARANOFF	Alsatia Dr to Arroyo Blanco Dr	No trail connection	Construct new trail	4 - Low	5 - Very Low
2J - 902	BARANOFF	Emerald Oaks Dr to Mossback Ln	No trail connection	Construct new trail	2 - High	4 - Low
2J - 903	BARANOFF	From Winding Brook to Battle Bridge to Tubling Creek	No trail connection	Construct new trail	2 - High	4 - Low
2J - 904	BARANOFF	From Barbera Pass to Vintage Stave to Buckingham Gate intersection	No trail connection	Construct new trail	3 - Medium	4 - Low

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2J - 905	BARANOFF	From Bear Springs Trail to Hopsack Mills Rd	No trail connection	Construct new trail	3 - Medium	3 - Medium

DRAFT

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