

VICTORIA, TX 
Active Transportation Master Plan

Steering Committee Meeting

August 31, 2023

3:30-4:30 PM



Agenda

- Engagement Summary
- Facility Typologies
- Network Recommendations
 - Trails
 - On-Street Facilities
 - Sidewalk Gaps
 - Intersections
- Prioritization
- Discussion
- Next Steps



Engagement Summary

- Steering Committee Meeting & Walking Audit
- Stakeholder Meetings
- Online Public Engagement



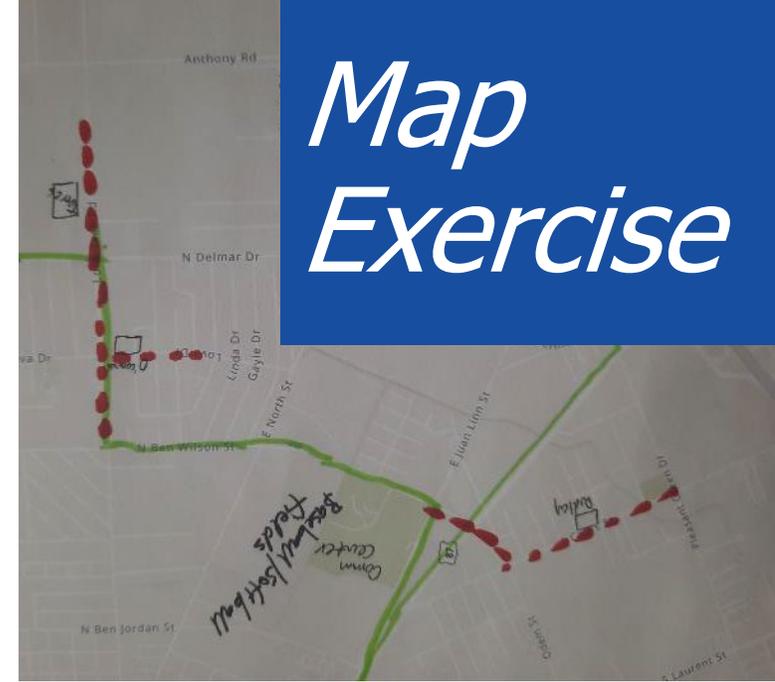
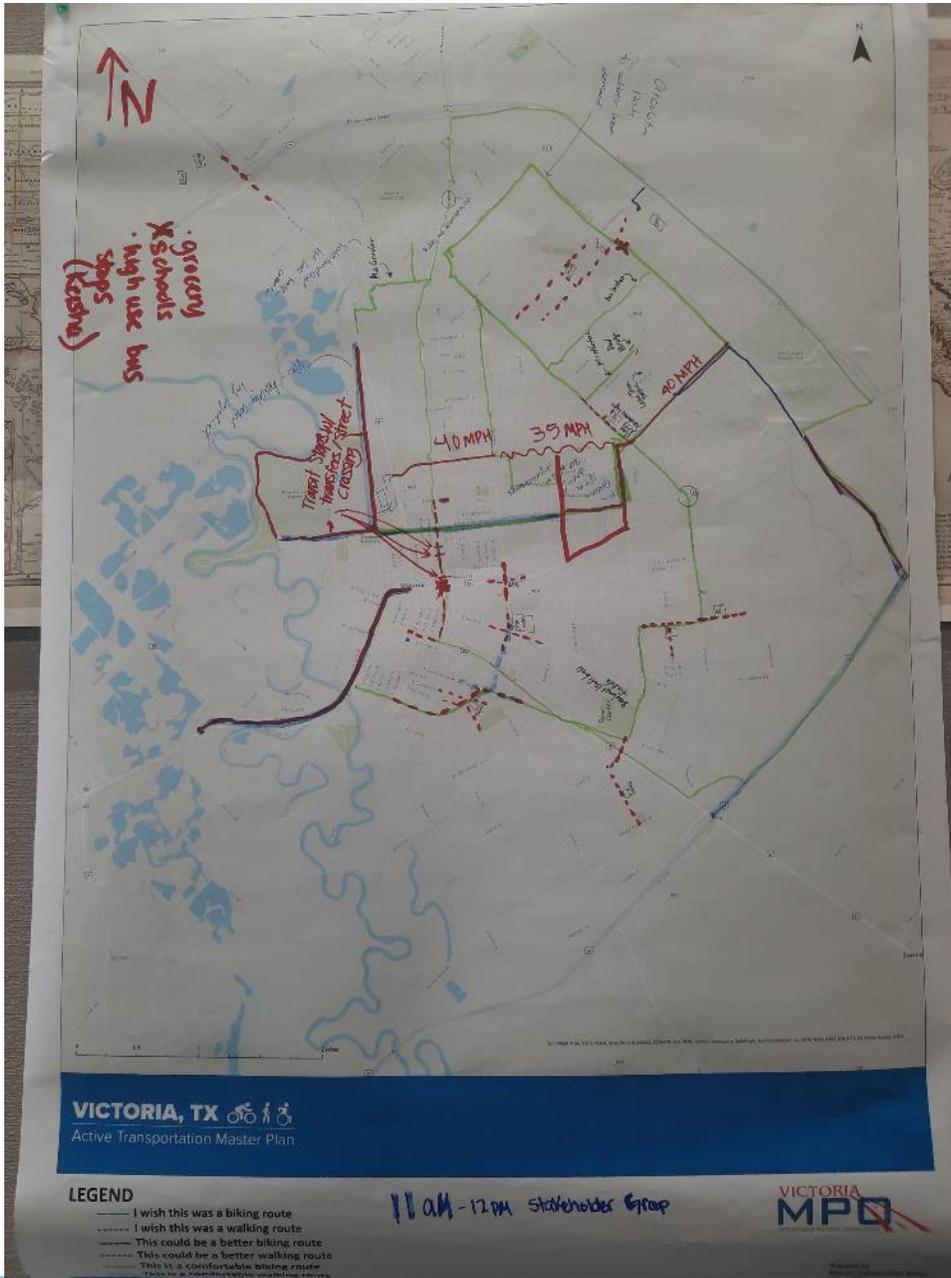
Steering Committee Meeting & Walking Audit



Stakeholder Meetings



Map Exercise



VICTORIA, TX   
Active Transportation Master Plan

- LEGEND**
- I wish this was a biking route
 - I wish this was a walking route
 - This could be a better biking route
 - This could be a better walking route
 - This is a comfortable biking route
 - This is a comfortable walking route

11 AM - 12 PM Stakeholder Group

VICTORIA
MPA

Online Survey

- March 20th to June 6th
- 528 Responses
- Advertised:
 - Social media
 - Bus stops and major intersections
 - On-board Transit
 - Public Events
 - Press Release



The City of Victoria is undertaking a **bicycle and pedestrian plan**, to make it safer and more comfortable to walk and bike in Victoria. We want to hear from you! Please fill out our short online survey and map your ride or your walk on our interactive map.



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How often do you bike or walk?

25% **Everyday**

35% **Two or More times a week**

13% **About once a week**

6% **More than once a month**

7% **Never**



Primary Reason(s) for Walking/Biking?

1. Health

2. Reduce Air Pollution

3. Save Money

4. Reduce Fuel Consumption

If you don't bike in the region, why not?



**If you do bike or walk,
What are the biggest barriers to
Walking/Biking in your city?**

**Gaps in sidewalks/No Sidewalks
where I want to go**

Poor sidewalk conditions

Traffic Volumes/Speeds along roadways

Obstructions in walking paths

Distance; too far to walk

Top 3 Improvements desired to bike and walk:

Better Sidewalks

Designated Bike Routes

Bike Lanes or Protected Bike Lanes

Bicycle Facilities Desired:

Bike Lanes	299 Votes
Off Street Trails	293 Votes
Bike lanes (Separated or Buffered)	299 Votes
Designated routes	215 Votes
Shoulders	146 Votes
Low traffic and/or Low speed roads	121 Votes

528 Respondents

Pedestrian Facilities Desired:

Sidewalks	384 Votes
Off-street trails	313 Votes
Intersection Improvements	279 Votes
Infrastructure for Mobility impairments	147 Votes
Signaled midblock crossings	125 Votes

528 Respondents

city of new braunfels - Search | (2) city of victoria - Search Result | Active Transportation Master Plan | Victoria AT Survey

https://experience.arcgis.com/experience/59c69567201d4853abab9e0259829fe7/

ATG SharePoint | Project Citrix Share... | Home - ATG Connect | ATG Planning - Tec... | ArcGIS Online | Grants | Transit Resources | Bicycle Resources | Travel Data | NEPA | EV / NEVI | MIRO | census and demogr... | Dashboard | FTA Tri Review Link | Other favorites

VICTORIA, TX

Active Transportation Master Plan

Welcome to the Victoria Active Transportation Master Plan Survey! Below you will find the survey. Below the survey and from the menu above, you can also access an interactive map where you can mark your favorite (and least favorite) active transportation routes.

To use the interactive map, follow these instructions:

1. Select the blue 'Comment' icon at top right of map
2. Draw where you would like on the map, and double click when you get to the end of your route
3. Select the desired line type and add your comment, then hit 'Create'
4. To create another line, you can continue drawing

Active Transportation Survey

Do you consider your home to be within walking or biking distance from places you need or want to go? (Stores, entertainment, etc.)

Yes

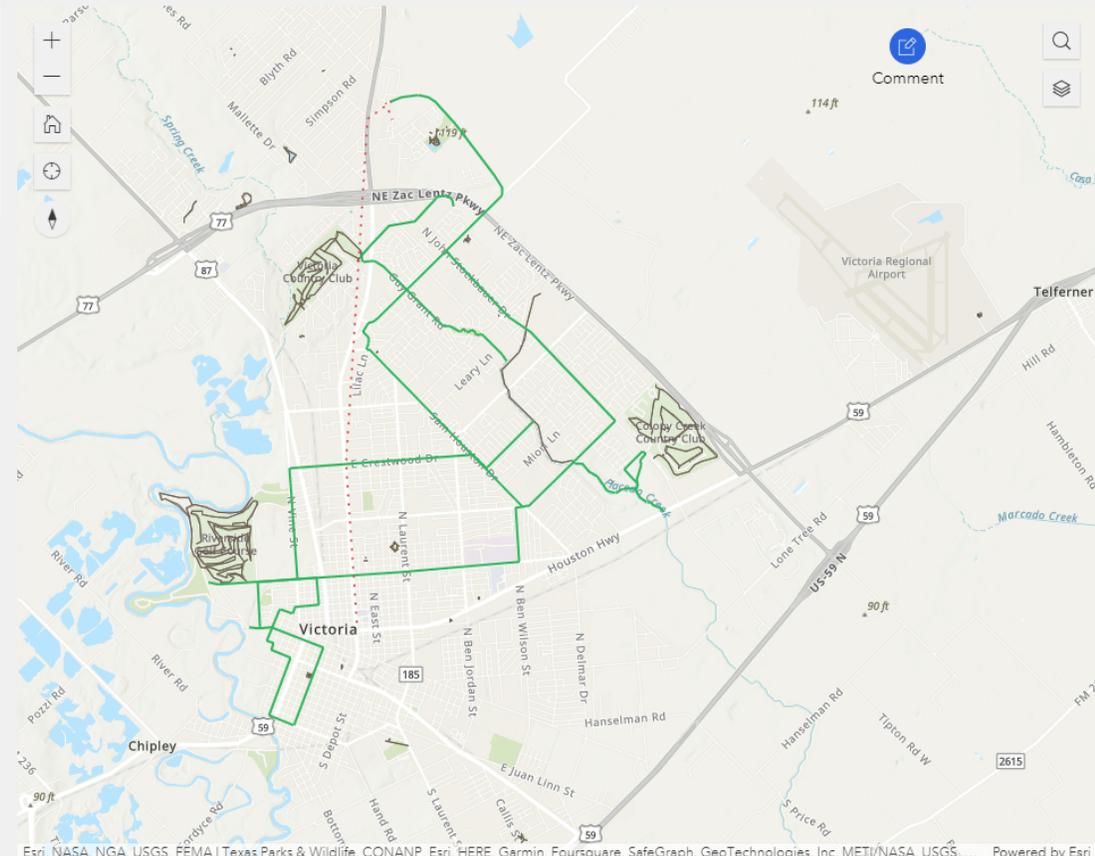
No

Do you think your neighborhood is safe to walk or bike?

Yes

No

How often do you bike or walk for exercise or transportation? (Select one)



Esri, NASA, NGA, USGS, FEMA | Texas Parks & Wildlife, CONANP, Esri, HERE, Garmin, Foursquare, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, ... Powered by Esri

100%

9:10 AM
3/24/2023

Summary

- People want to bike and walk more
- There are physical impediments
 - Sidewalk Gaps and Condition
 - Traffic Speed
 - Lack of Facilities
- Strong Support for Sidewalks, Bike Lanes and Trails

Project Typologies



LEVEL OF TRAFFIC STRESS (BLTS)

1	High Comfort for All
2	High Comfort for Adults
3	Increasing Stress for Most
4	Strong and Experienced Bicyclists Only



Shared Use Path

- Level of Comfort: **1** High Comfort For All
- Users: Most
- Cost: \$\$\$\$
- Independent Right of Way



Side Path

- Level of Comfort: **1** High Comfort For All
- Users: Most
- Cost: \$\$\$\$
- Adjacent to Roadway



Cycle Track

- Level of Comfort: **1** High Comfort for All
- Users: Bicycles
- Cost: \$\$
- Suitable for arterials, collectors



Protected Bike Lane

- Level of Comfort: **1** High Comfort for All
- Users: Bicycles
- Cost: \$\$
- Suitable for arterials, collectors



Buffered Bike Lane

- Level of Comfort: **2** High Comfort for Adults
- Users: Bicycles
- Cost: \$
- Suitable for collectors



Bicycle Lane

- Level of Comfort: **2** High Comfort for Adults
- Users: Bicycles
- Cost: \$
- Suitable for collector, neighborhood streets



Source: pedbikeimages.org / Dan Burden

Bicycle Boulevard

- Level of Comfort: **2** High Comfort for Adults
- Users: All
- Cost: \$\$\$
- Neighborhood streets with traffic calming, sidewalks, signage, pavement markings



Source: pedbikeimages.org / Adam Fukushima

Shared Lane

- Level of Comfort: **3**
Comfortable for Experienced Cyclists
- Users: Bicycles
- Cost: \$
- Suitable for low speed, low volume collectors and neighborhood streets



Source: pedbikeimages.org / Margaret Gibbs

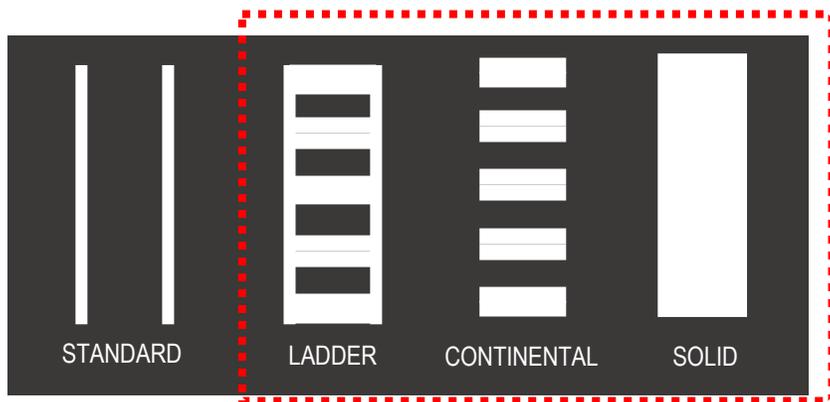
Sidewalks

- Level of Comfort: High Comfort for All
- Users: Pedestrians and Children on bikes
- Cost: \$\$
- Street Context: All



Crosswalks

- Level of Comfort: High Comfort for All Users
- Users: Pedestrians
- Cost: \$
- High Visibility is preferred



Pedestrian Refuge Island

- Level of Comfort: High
Comfort for All
- Cost: \$\$\$
- Users: Pedestrians
- Shortens the crossing distance



Mid-Block Crossing

- Level of Comfort: High Comfort for All
- Users: Pedestrians
- Improves compliance



Pedestrian Signals

1. **High-Intensity Activated Crosswalk (HAWK)** or **Pedestrian Hybrid Beacon (PHB)**

2. Rectangular Rapid Flashing Beacon (RRFB)

3. Pedestrian Signal Head

• Costs: \$\$\$ - \$\$\$\$



Lighting

- Level of Comfort: High
Comfort for All
- Users: Everyone
- Cost: \$\$\$
- Critical at intersections and crossings



Source: pedbikeimages.org / Dan Burden

Draft Network Recommendations

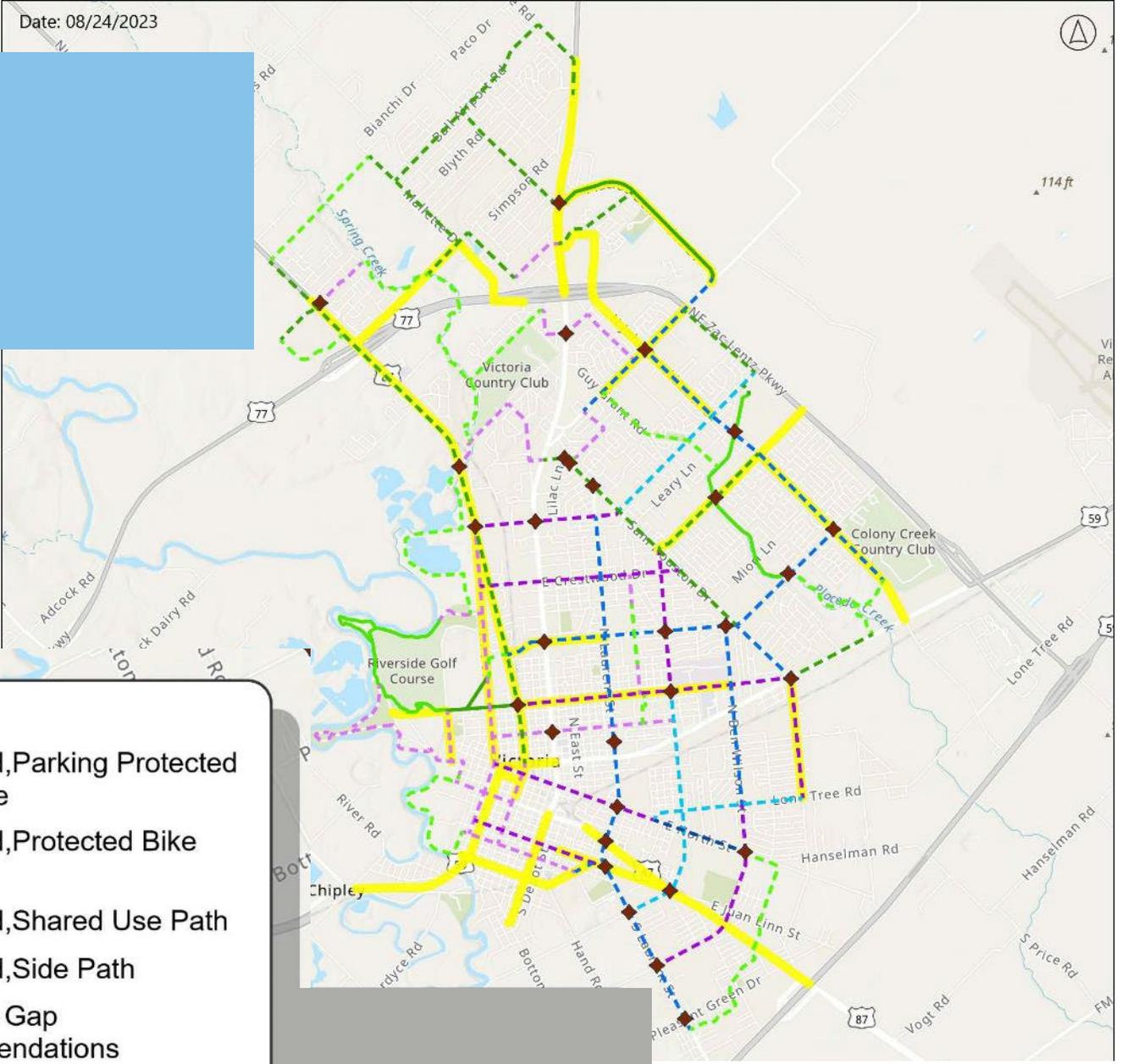
- Inputs
 - Steering, Stakeholder and Public Input
 - Existing Plans
 - Analyses
 - Latent Demand
 - Crashes
 - Level of Travel Stress
 - Sidewalk Gaps

Draft Network Recommendations

- Online Map
- Comments by **9/14/2023**

Legend

	Intersection Recommendations		Proposed, Parking Protected Bike Lane
Bike And Trail Network			
	Existing, Shared Use Path		Proposed, Protected Bike Lane
	Existing, Side Path		Proposed, Shared Use Path
	Proposed, Bicycle Boulevard		Proposed, Side Path
	Proposed, Bike Lane		Sidewalk Gap Recommendations
	Proposed, Buffered Bike Lane		

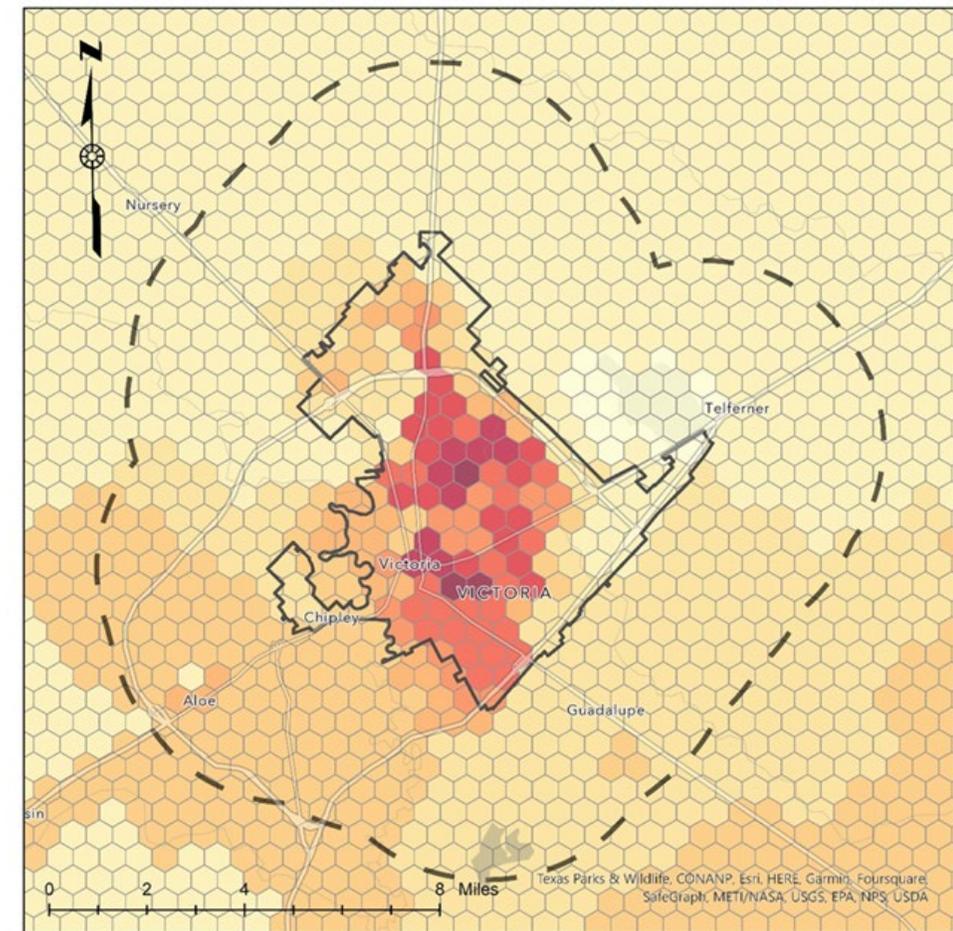


Prioritization

- Latent Demand – up to 3 points – facility overlaps with high/mod/low hex grid
- Crashes – up to 3 points – facility within 0.25 or 0.50 miles of severe or fatal bicycle or pedestrian crash
- Level of Travel Stress – up to 3 points – facility overlaps or crosses a road with a BLTS score of 3 or 4
- Smooth out the outliers

Latent Demand

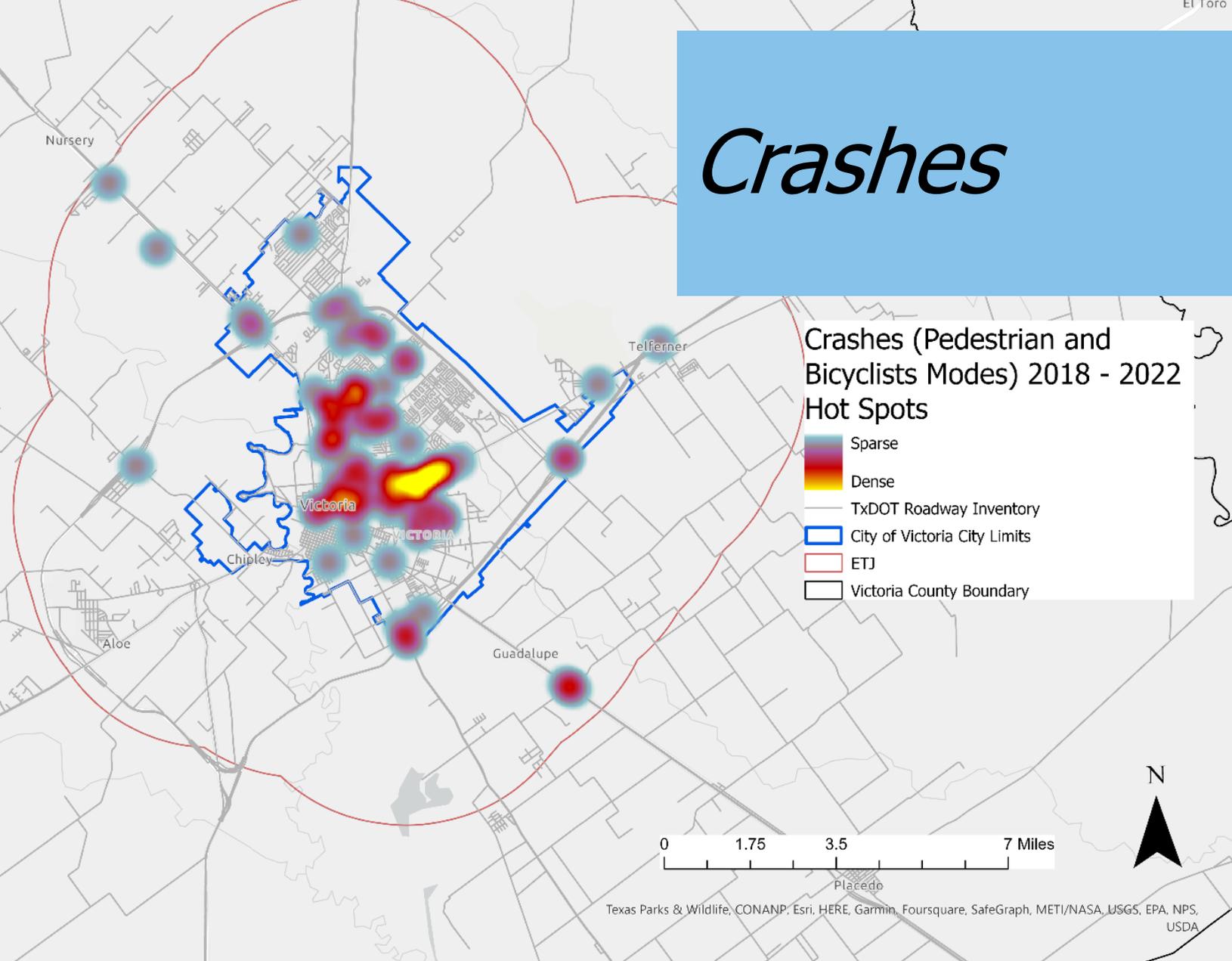
- Population Density
- Employment Density
- Zero-car households
- Minority Population
- Senior Population
- Households with Children
- Transit Stops
- Destinations (schools or parks)
- Trails



Crashes

Crashes (Pedestrian and Bicyclists Modes) 2018 - 2022
Hot Spots

- Sparse
- Dense
- TxDOT Roadway Inventory
- City of Victoria City Limits
- ETJ
- Victoria County Boundary



Texas Parks & Wildlife, CONANP, Esri, HERE, Garmin, Foursquare, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA

Bicycle Level of Traffic Stress (BLTS)

- Number of thru lanes
- Traffic Volume
- Posted Speed Limit
- Presence of Bicycle Facility by type

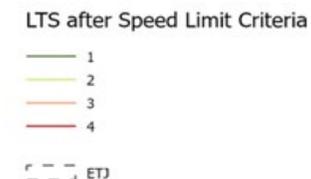


LEVEL OF TRAFFIC STRESS (BLTS)



City of Victoria

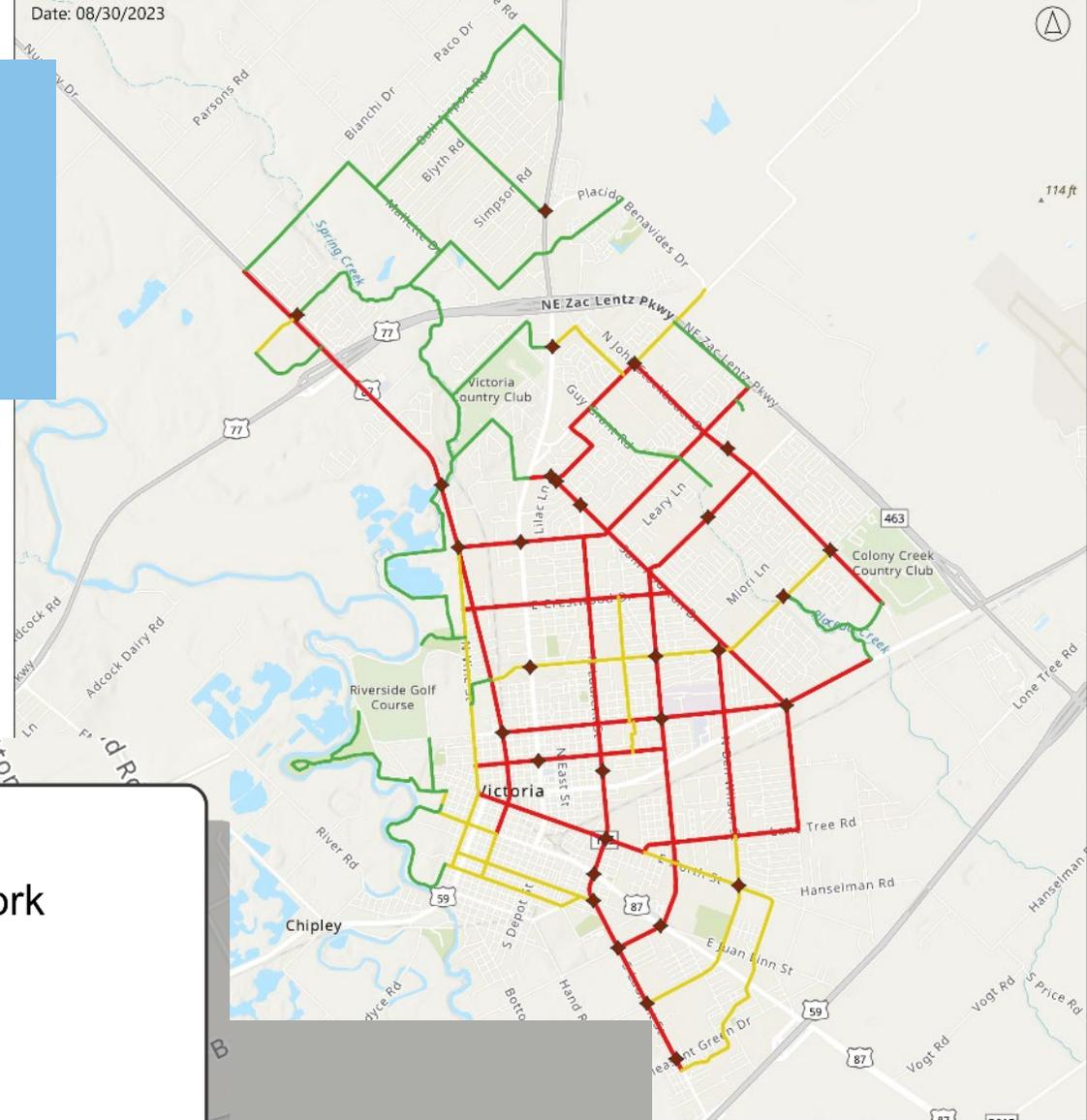
Level of Traffic Stress (LTS)
Existing Condition





Data Driven Recommendations

- Can Make Map Available Online



Legend

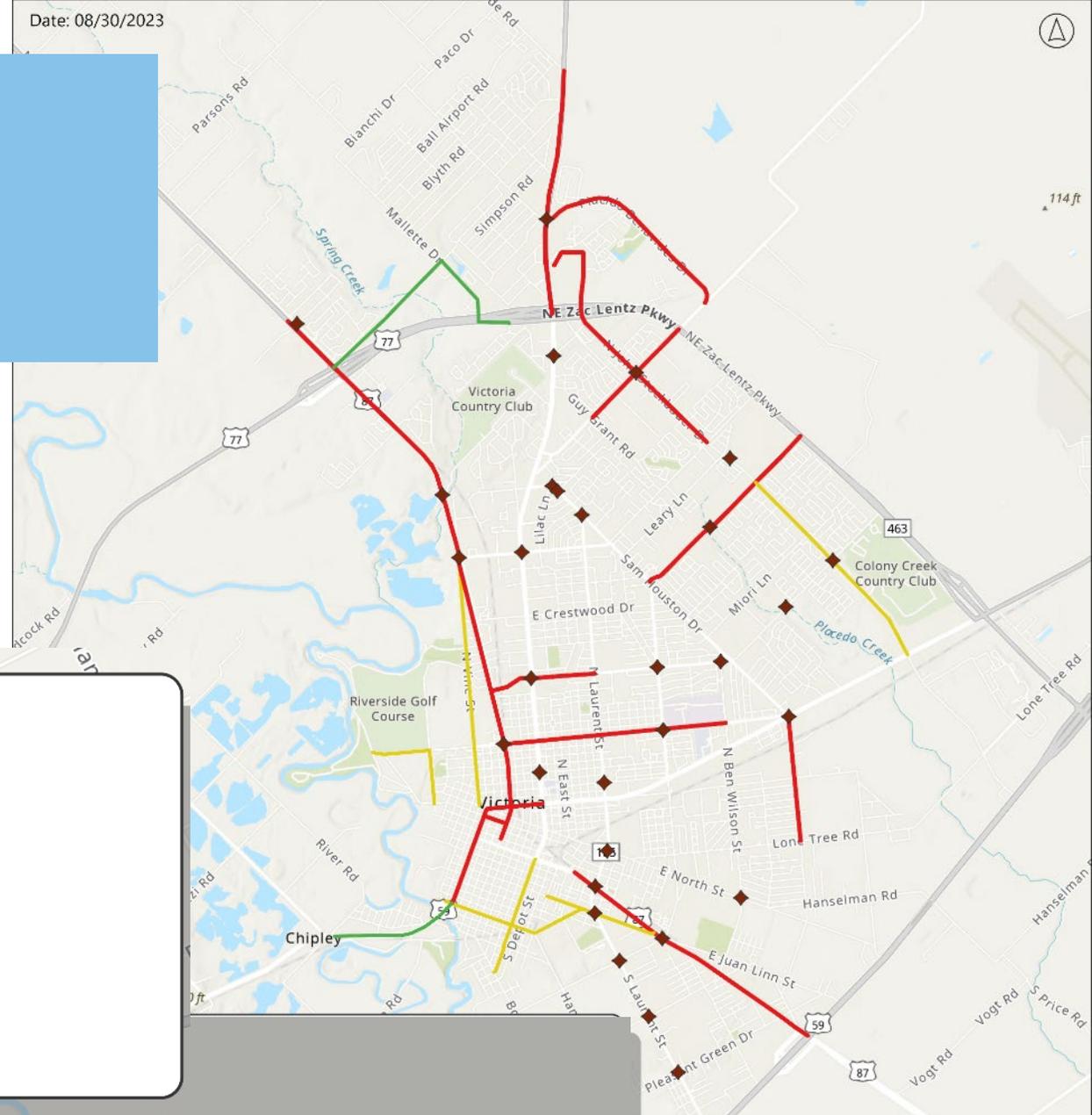
	Intersection Recommendations	Bike And Trail Network Priority
		 High
		 Moderate
		 Low

Data Driven Recommendations

- Can Make Map Available Online

Legend

◆ Intersection Recommendations	Sidewalk Gap Recommendations
	Priority
	— High
	— Moderate
	— Low



Instructions

Go to

www.menti.com

Enter the code

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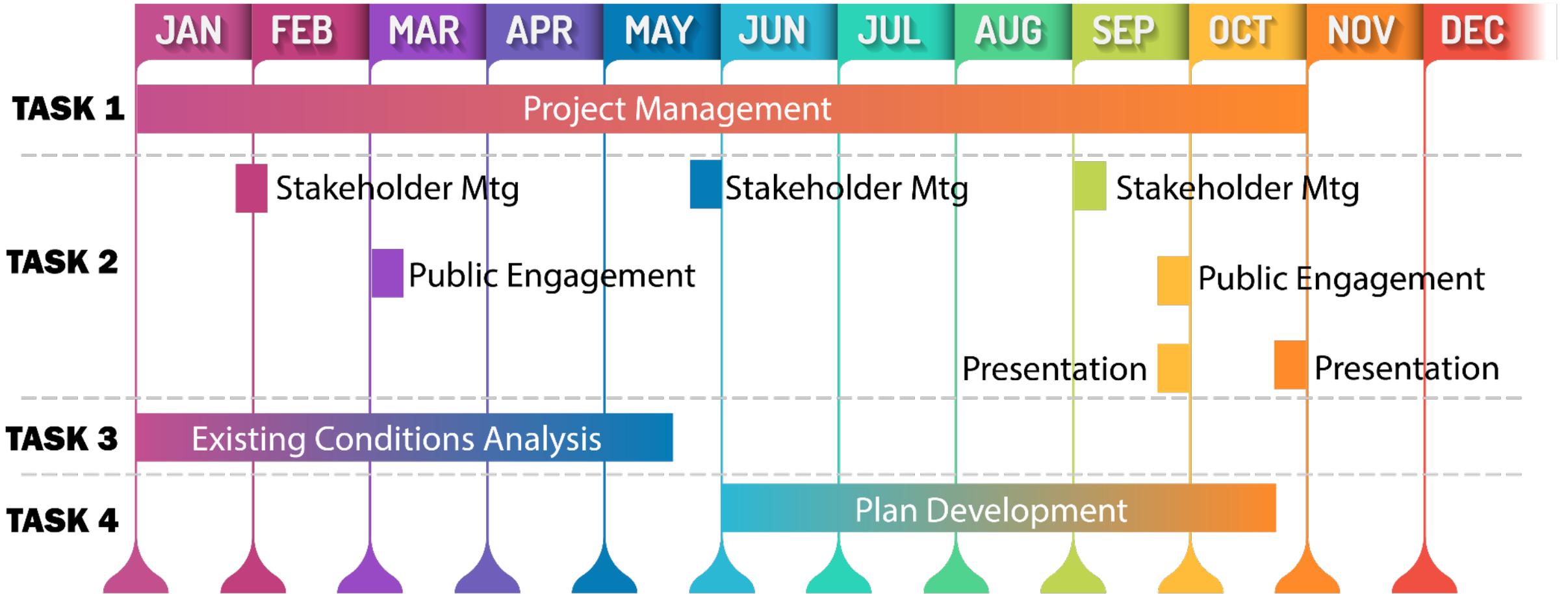
Or use QR code



VICTORIA ACTIVE TRANSPORTATION MASTER PLAN TIMELINE



2023



Thank You!

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