

DRAFT MINUTES

Provo City Transportation Mobility Advisory Committee Meeting

April 18, 2024 Minutes

Item 1 – Introductions

- The meeting was called to order and attendees were welcomed at 12:30 pm by Ms. Joy McMurray, TMAC Chair. Those in attendance:

Committee Members

James Hamula – District 1
Joy McMurray – District 2, Committee Chair
Geoff McLaughlin – Alternate, Committee Vice-Chair
Beth (Alligood) Provence – District 3
Noah Gordon – District 4
Lisa Jensen – Planning Commission Member (At Large)
Greg McFarlane – Academia (At Large)
David Hurtado - Alternate

City Staff

Gordon Haight – Public Works Director
Vern Keeslar – Public Works, Traffic Manager
Kaehan Shour – Public Works, Engineer
David Day – Public Works, Engineer
David Michelsen – Public Works, Engineer
Joseph Gandy – Public Works, Management Analyst/Public Information
Judy Johnson – Public Works Engineering Office Assistant
Hana Salzl – Development Services, Planner
Boden Golding – Development Services, Parking Enforcement Supervisor

Others:

Thomas McMurtry – Provo River Bridge Consultant, Avenue Consultants

Item 2 – Action Item - Approval of March 21, 2024 TMAC Meeting Minutes

- Ms. Jensen made a motion to approve the minutes of the March 21, 2024 meeting; Mr. McFarlane seconded the motion, and the minutes were unanimously approved by the TMAC members.

Item 3 – Action Item – Recommend pedestrian improvements to 900 East and 560 North

Mr. Keeslar showed slides of the renderings that were reviewed last month. Discussion was held on the benefits of completing this project.

Mr. Haight explained that this is an important project and that TMAC's recommendation of this project would be beneficial to acquiring funding. TMAC members voiced support, even though there may be some opposition to the modification.

Mr. McLaughlin moved that TMAC recommend the project to the City Council; Mr. McFarlane seconded the motion. Ms. Jensen asked if the motion should be amended to also recommend that the project receive funding. Mr. McLaughlin restated the amendment to include recommending the project, along with funding. The TMAC members were unanimous in voting to approve the recommendation.

Item 4 – Information Item – Provo River Bridge and Trail Project – Vern Keeslar and David Michelsen

- Mr. Keeslar introduced David Michelsen, Project Manager for the design of the Provo River Bridge Project. Mr. Thomas McMurtry with Avenue Consultants was also introduced and participated in the presentation.
- A PowerPoint titled *Provo River Bridge & Trail* was shown; agenda items are listed below:
 - **Project Goals and Background** - Goals: upgrade and improve safety, support connectivity. Background: this bridge was built in 1960 with a 50–70-year life span expectancy; many existing deficiencies need to be addressed.
 - **Planning Context: Provo City, MAG TransPlan50 and UDOT Environmental** - Discussion included: Provo River Trail use, 820 North Roadway details, and Provo's Transportation Master Plan as it pertains to both the Provo River Trail and 820 North Roadway, including funding and livability standards. Traffic growth is inevitable; UDOT is looking at several locations for an interchange between Provo's Center Street and Orem's University Parkway interchanges.
 - **Potential Cross-sections** – Renderings were shown of the existing bridge, a 3-lane minor arterial, a 5-lane minor arterial and a 5-lane arterial. The possibility of designing the bridge so it could be transitional was presented. Complete cost analyses have not yet been determined.
 - **Bridge Location Options** – The goal is to locate the bridge in a manner that allows for all options to be considered for possible future road

widening – north, middle, and south. A few layouts were shown; speed limits and other factors were discussed.

- **Public Involvement** – This agenda item discussed informing stakeholders. Neighborhood District meetings will be held, and citywide information will be provided through several platforms. Mr. McMurtry handed out a page titled, *Provo River Bridge & Trail – Project Overview*. It gives an overview of the project and contains contact information. This page is included as a pdf attachment with these minutes.
- **Questions** – Discussion included how this project information would be presented to the public; it was concluded that different neighborhoods and audiences will be interested in different information. Mr. Keeslar explained again that the bridge needs to be replaced for safety reasons. He also emphasized that this project is not setting precedence for an interchange; UDOT will do an Environmental Impact Study and consider many alternatives before a decision is made. The question was asked, “What does Provo Public Works want from TMAC?” Mr. Keeslar said he would appreciate the TMAC members talking to people, listening to people’s concerns, and showing up at meetings. He stated that this subject will be on a TMAC meeting agenda again after public input has been received; input results and the design will be discussed.

- Finally, Mr. Day, who has worked as an engineer with Provo City for over 27 years, explained that 20 years ago, our deficiency rating on this bridge started to decline; 10 years ago, funding applications were submitted to MAG. This has been a long process, and it is time to move forward on this project.

- The *Provo River Bridge and Trail PowerPoint* is found in a separate attachment with these minutes.

Item 5 – Adjourn

- Ms. McMurray adjourned the meeting at 1:42 pm

The next TMAC Meeting will be held on May 16, 2024. A complete video and audio recording (including closed captions) of this April TMAC Meeting can be accessed at: <https://www.youtube.com/watch?v=G3kFegFrB1w>



**Provo River Bridge &
Trail on 820 North**

Agenda

- Project Goals and Background
- Planning Context
 - Provo City
 - MAG TransPlan50
 - UDOT Environmental
- Potential Cross-sections
- Bridge Location Options
- Public Involvement
- Questions





Provo River Bridge & Trail:

Goals and Background

PROVO RIVER BRIDGE & TRAIL



Goals of the project

- Upgrade safety by rebuilding the bridge to address structural deficiencies
- Improve comfort on sidewalks, trails, and bike lanes for safer and more convenient access
- Support connectivity by right-sizing the bridge for a 75-year life span

Provo River Bridge on 820 North



Provo River Bridge on 820 North

- Constructed in 1960
- Bridge Deck 80' Long and 40' Wide (3,200 sf)
- Average Daily Traffic – 11,300 (Jan. 2024)
- Design Life 50-70 Years
- National Bridge Inventory Deficiencies
 - Transition standards
 - Approach Guardrail
 - Bridge Guardrail ends
 - Deck Geometry



Existing Issues – Provo River Trail

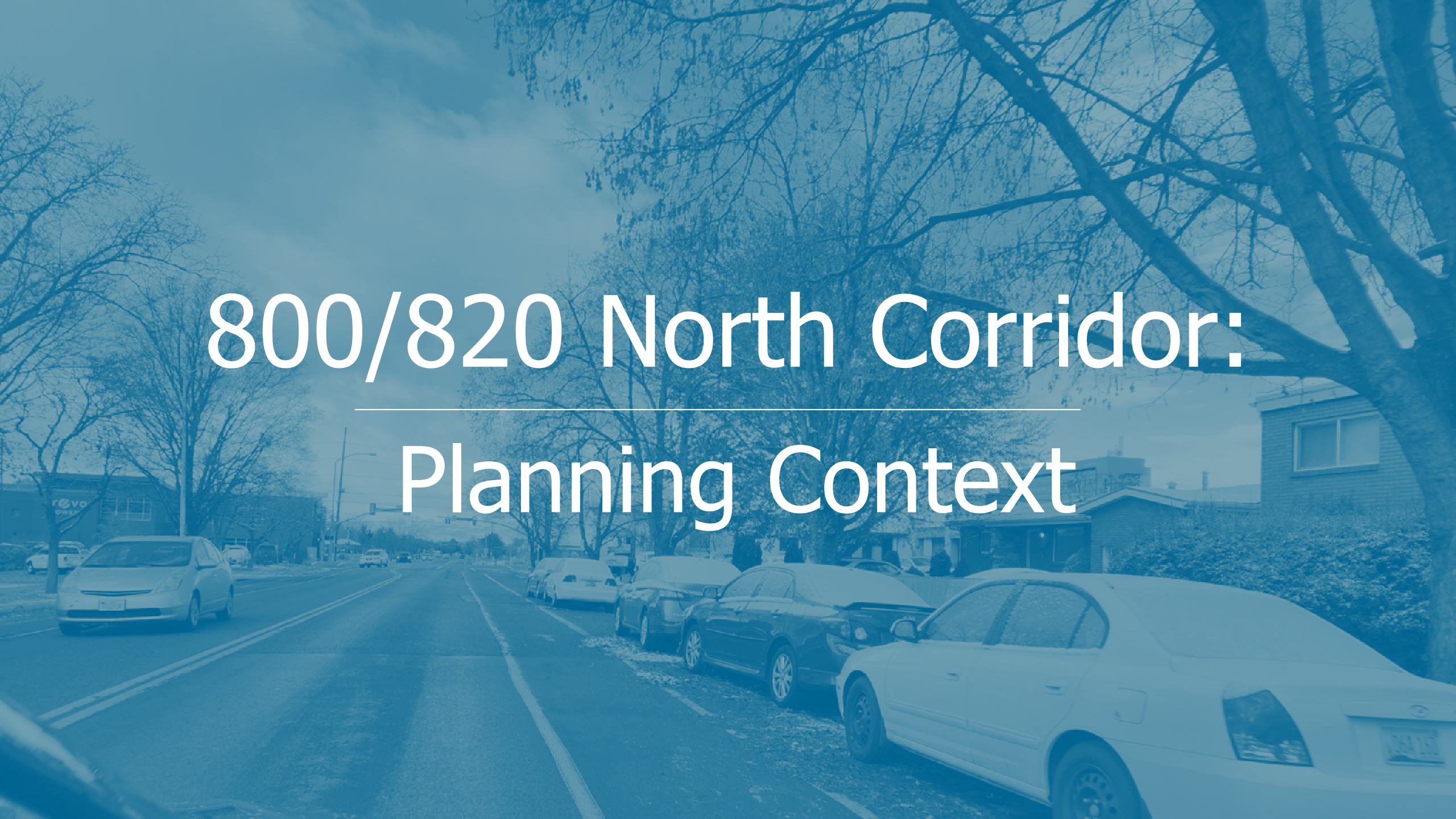
- Trail Width Under Bridge
- Vertical Clearance
- Trail Grade
- Connectivity to 800 North



Existing Issues – Provo River Bridge

- Sidewalk Width
- Sidewalk Connectivity
- Bike Lane Width
- Parapet Height
- Weight Limit
- Sight Distance

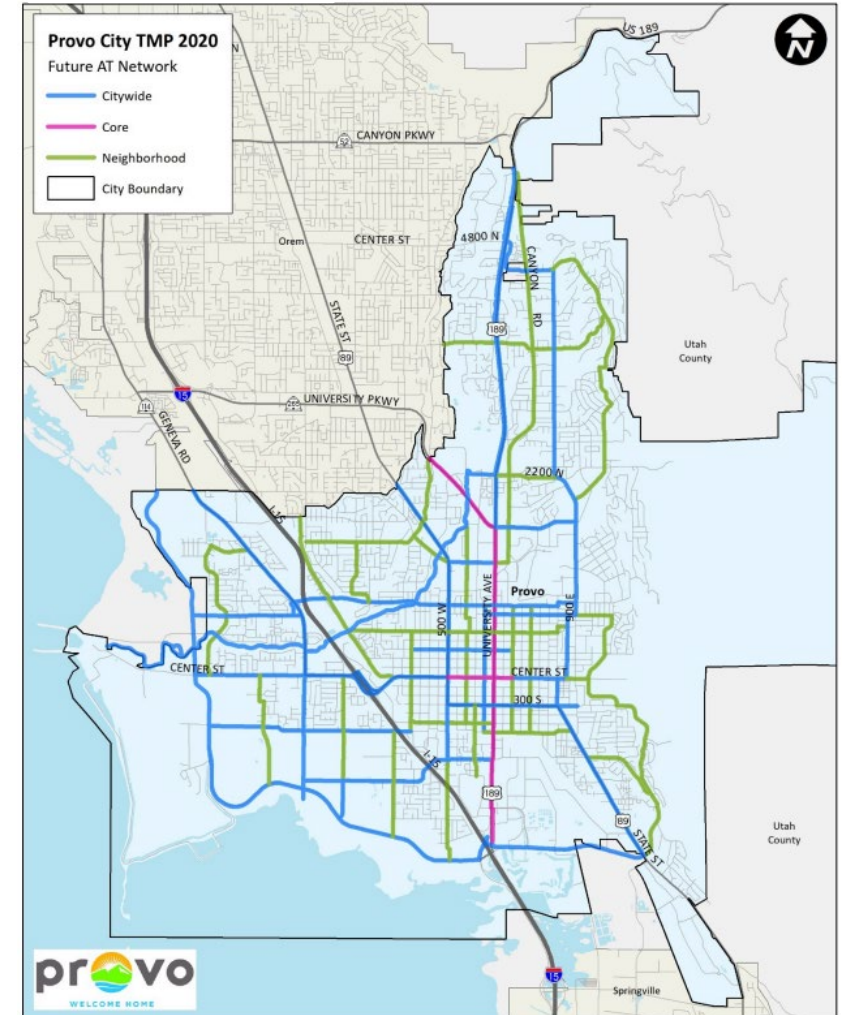




800/820 North Corridor: --- Planning Context

Provo Transportation Master Plan – 820 North Active Transportation

- 820 North is a vital active transportation connector
- Multi-use trail on southside of 820 North from Geneva Road to 500 West



Provo Transportation Master Plan – Provo River Trail

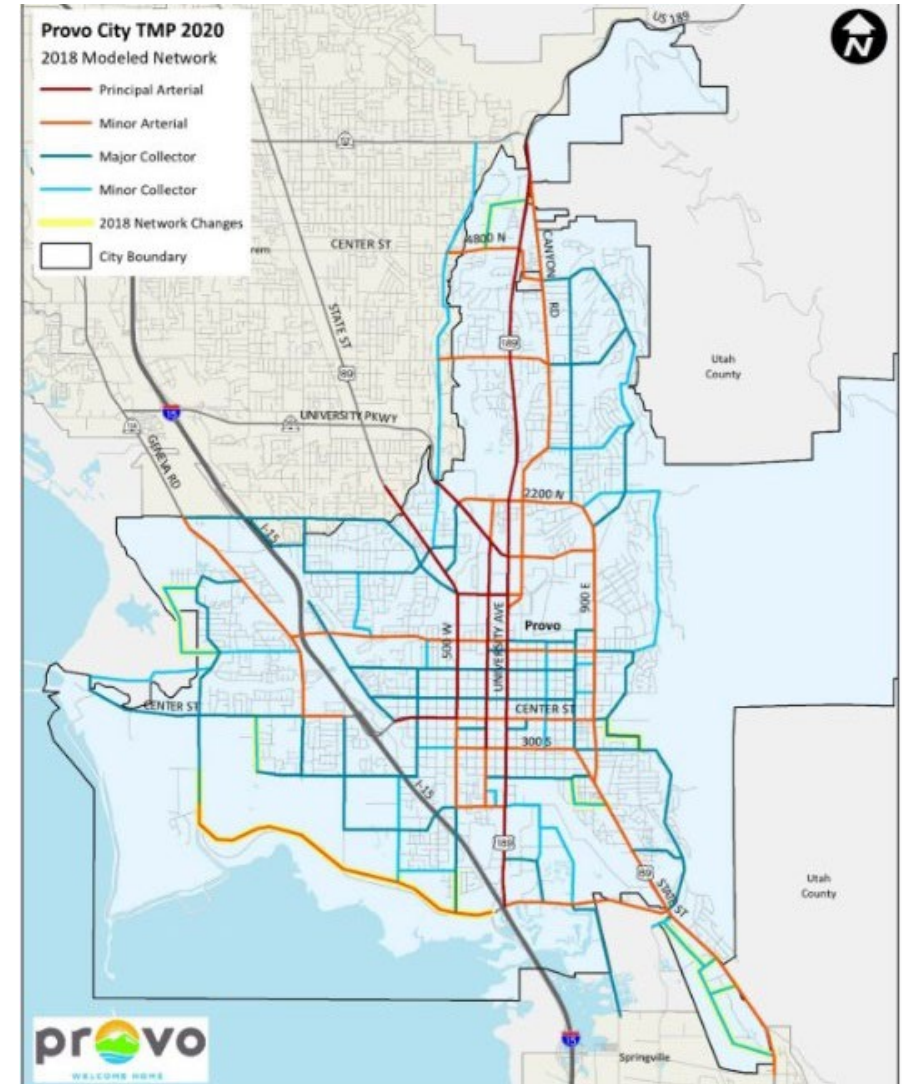
- Provo River Trail is a facility all people use and enjoy
- Varies from 8'-16' wide
- 8' under 820 North Bridge



Provo Transportation Master Plan – 820 North Roadway

- Listed on Provo's Plan since 1977
- Minor Arterial – 80' ROW
- 6' Sidewalks and 7' planters
- 50' Pavement

Figure 4.6: Minor Arterial Cross-Section 80 Feet Right-of-Way and 50 Feet Pavement



Provo Transportation Master Plan — Capital Facilities Plan

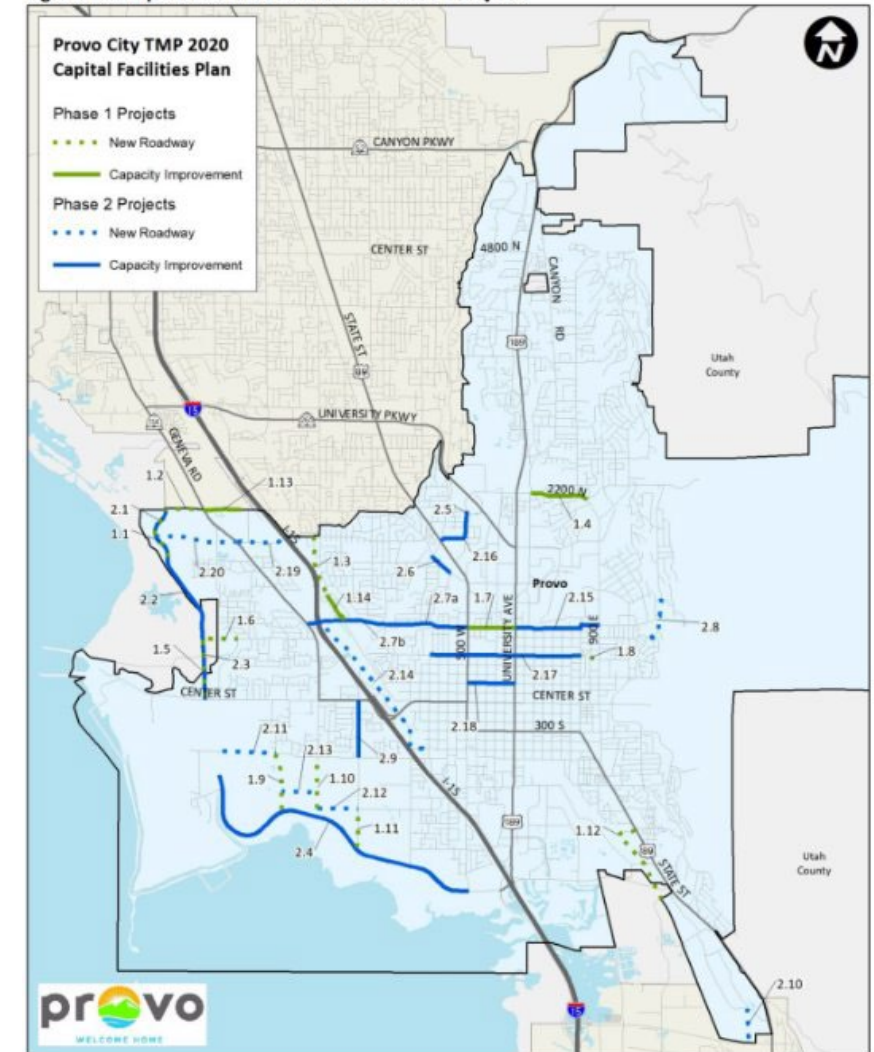
Table 6.1: Capital Facilities Plan Phase 1 Projects (2018-2024)

No.	Street Name	From	To	Notes	Estimated Cost
1.7	820 North	500 West	University Avenue	Widen to 5-lane arterial	\$4,877,470

Table 6.2: Capital Facilities Plan Phase 2 Projects (2025-2040)¹

No.	Street Name	From	To	Notes	Estimated Cost
2.7a	820 North	950 West	800 West	Replace bridge and interim approaches	\$12,700,000
2.7b	820 North	Geneva Road	500 West	Capacity, safety, and active transportation improvements	To be determined by future studies ²

Figure 6.3: Capital Facilities Plan Phases 1 and 2 Projects

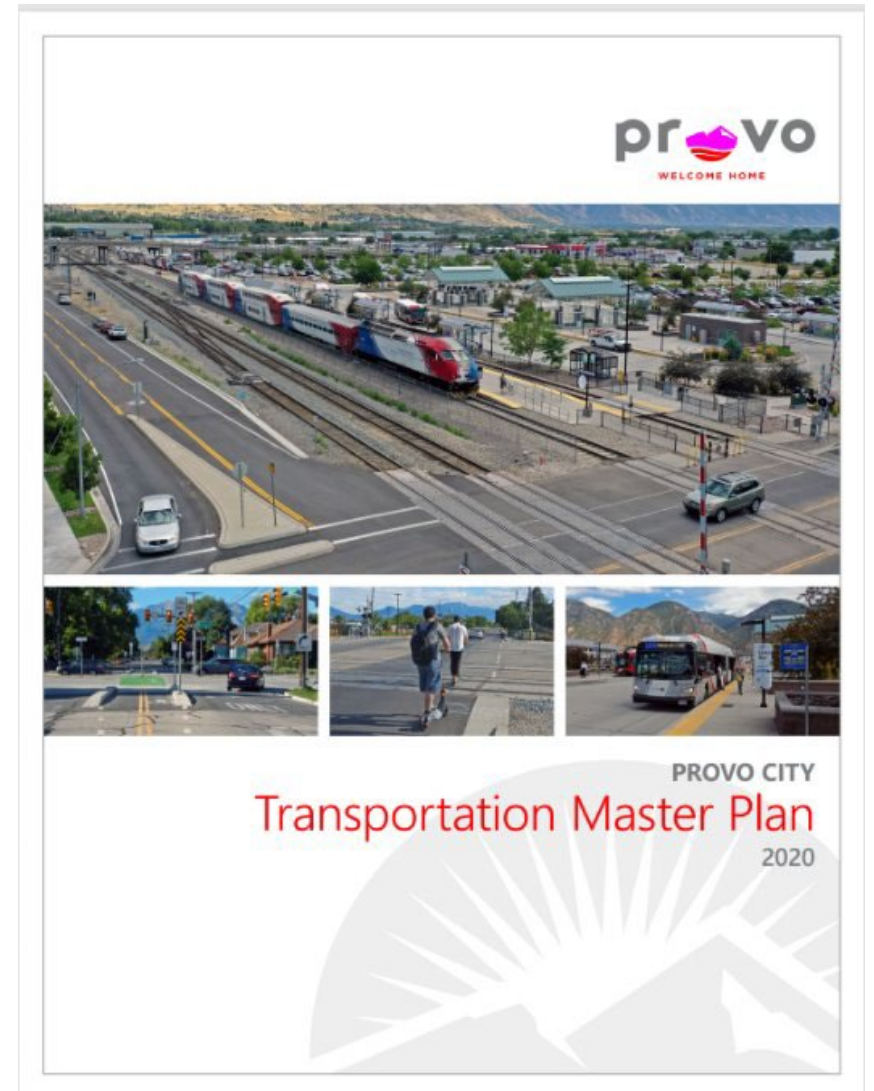


Livable Street Policy

Existing traffic volume on 820 North Bridge is 11,300 vehicles per day.

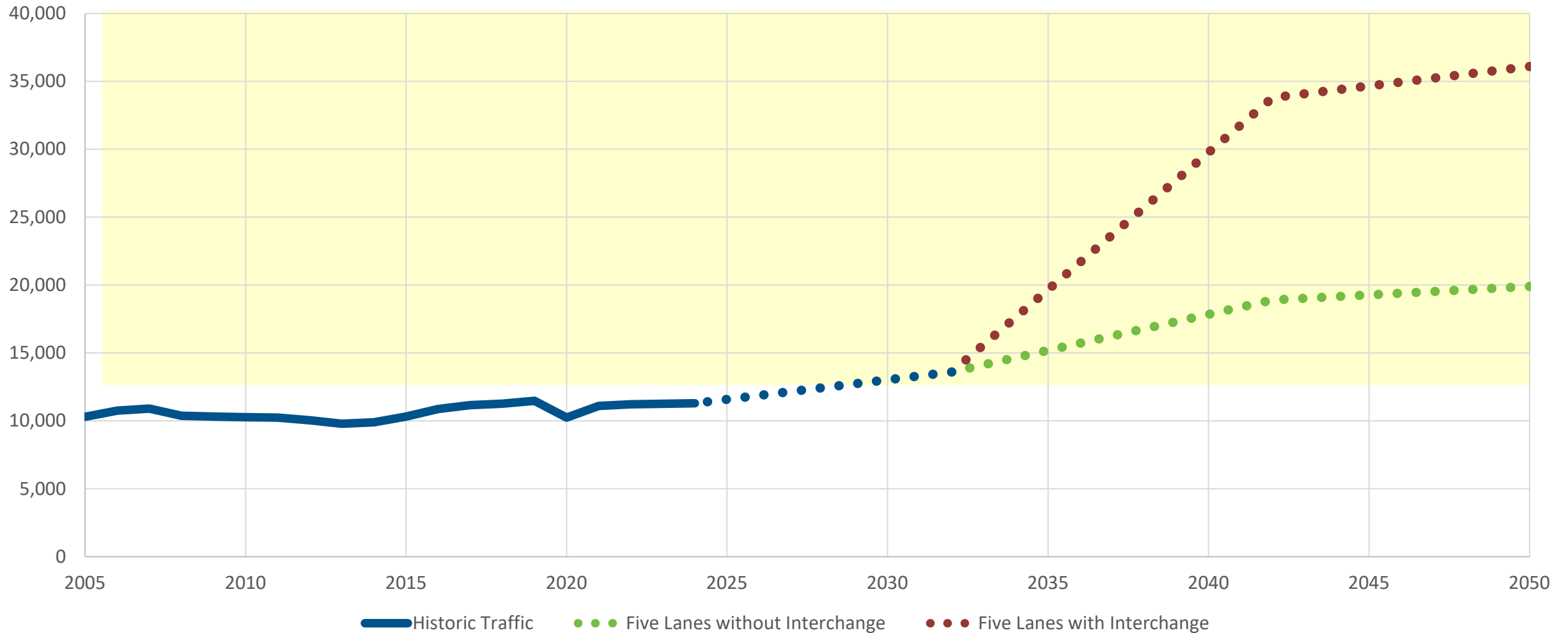
Table 1.1: Summary of Daily Livable Street Standards Average Annual Daily Traffic

Street Classification	Number of Lanes	Area Type		
		Limited Conflicts	Moderate Conflicts	Many Conflicts
Local ^{1, 3}	2	1,800	1,400	n/a
Collector	3	16,800 ¹	13,500 ²	10,100 ²
Collector ²	4	30,900	22,700	20,000
Minor Arterial ²	3	19,100	16,000	13,500
Major Arterial ²	5	41,000	35,000	33,000
Major Arterial ²	7	57,000	50,000	46,500



Daily Traffic Volumes: Provo River Bridge

Daily Traffic Volume & 3 Lane Livable Street Standard



Mountainland Association of Governments (MAG) TransPlan 2050

- 820 North Bridge:
 - Widen bridge over the Provo River
 - Upgrade Grade-Separated AT Crossing
 - Need Now – Funding 2025
- 820 North Corridor:
 - Widen to 5 Lanes
 - Buffered Bike Lanes
 - Need 2023-2032 – Funding 2033-2042
- I-15/820 North Interchange
 - New interchange
 - Grade-Separated AT Crossing
 - Need 2023-2032 – Funding 2033-2042



UDOT Environmental Analysis

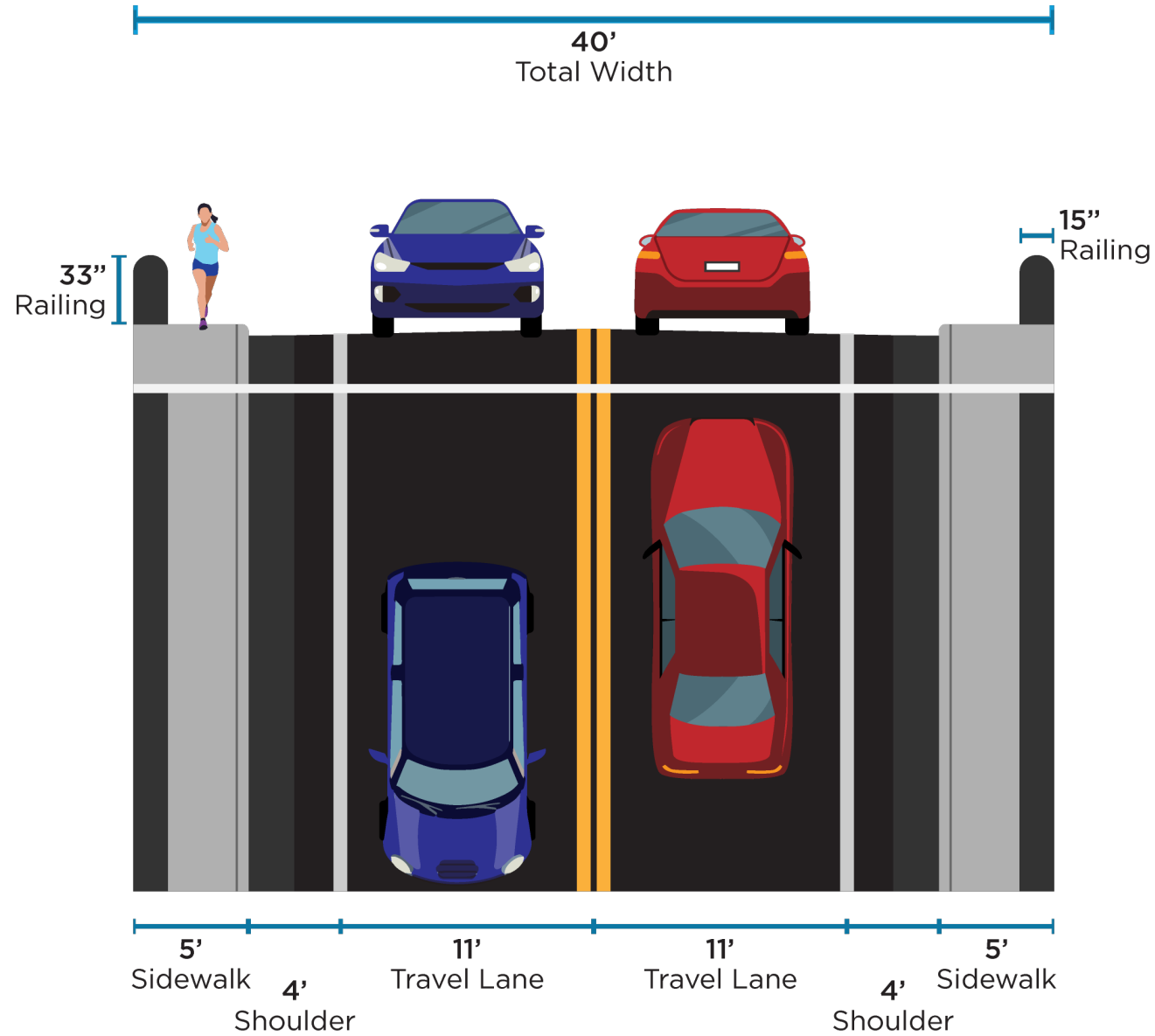
- New Interchange will require an environmental document
- Not currently fully funded
- I-15 Interchange Study Area: from University Parkway to Center Street



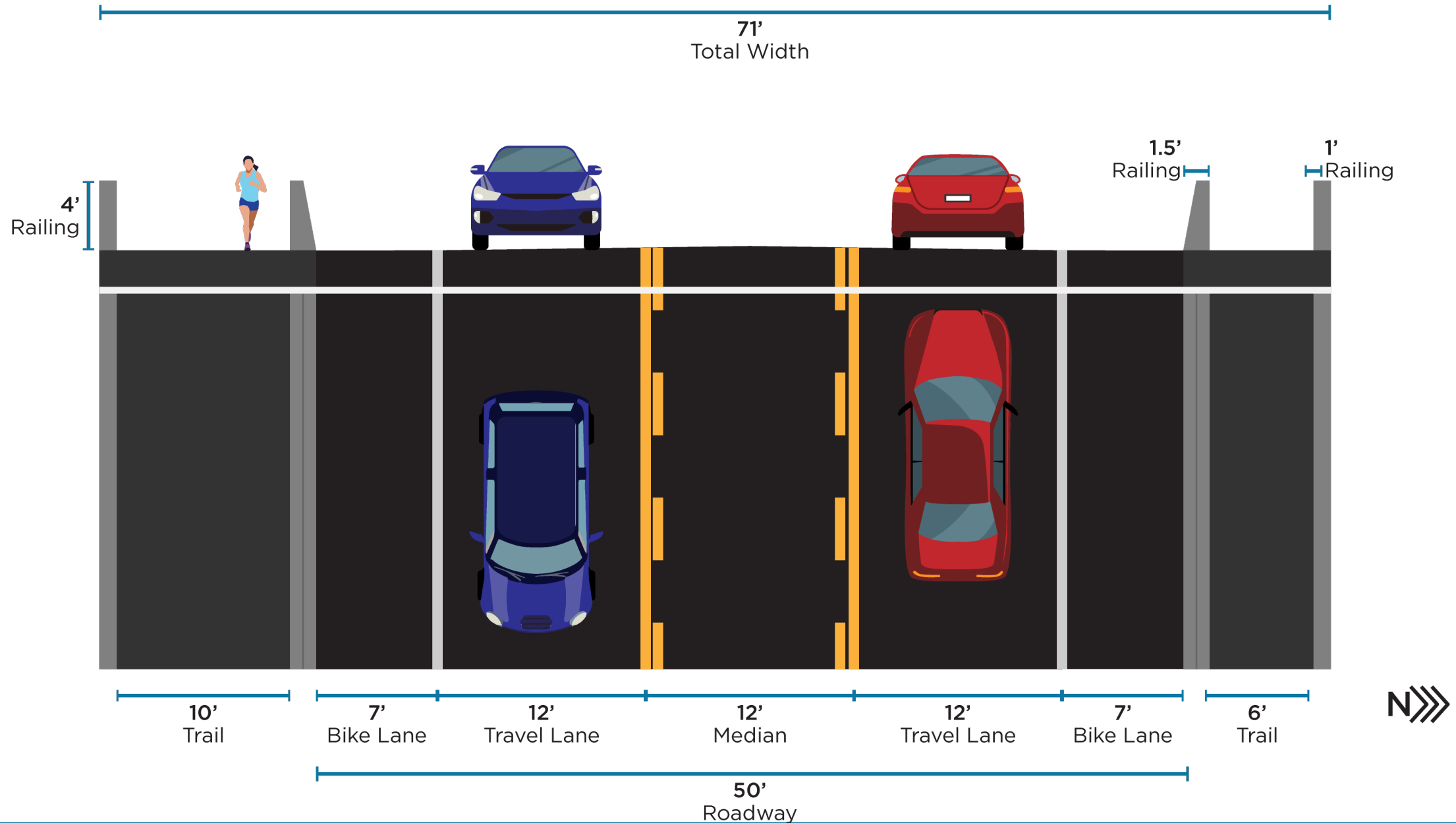


Provo River Bridge & Trail: Potential Cross-sections

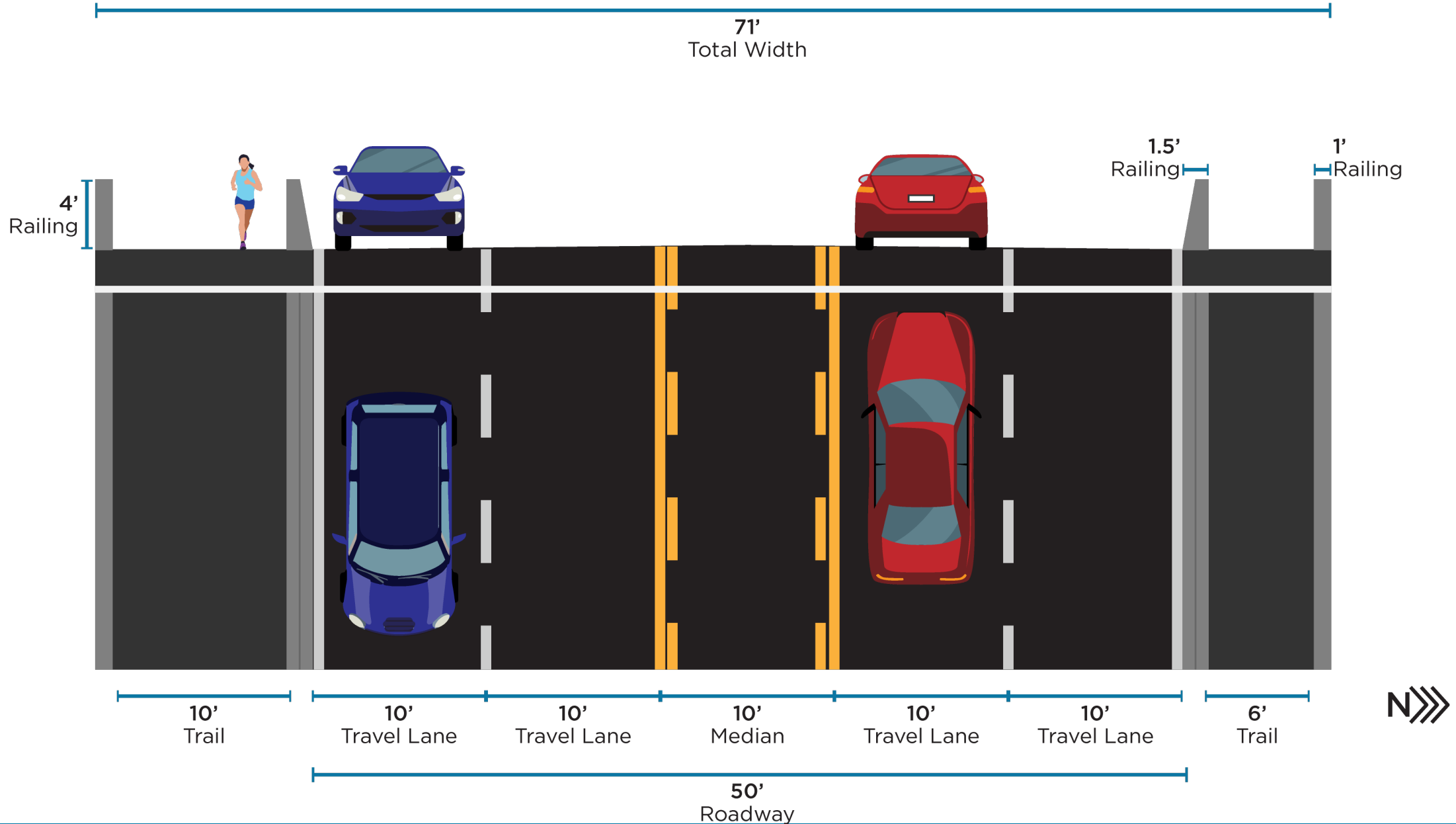
EXISTING BRIDGE



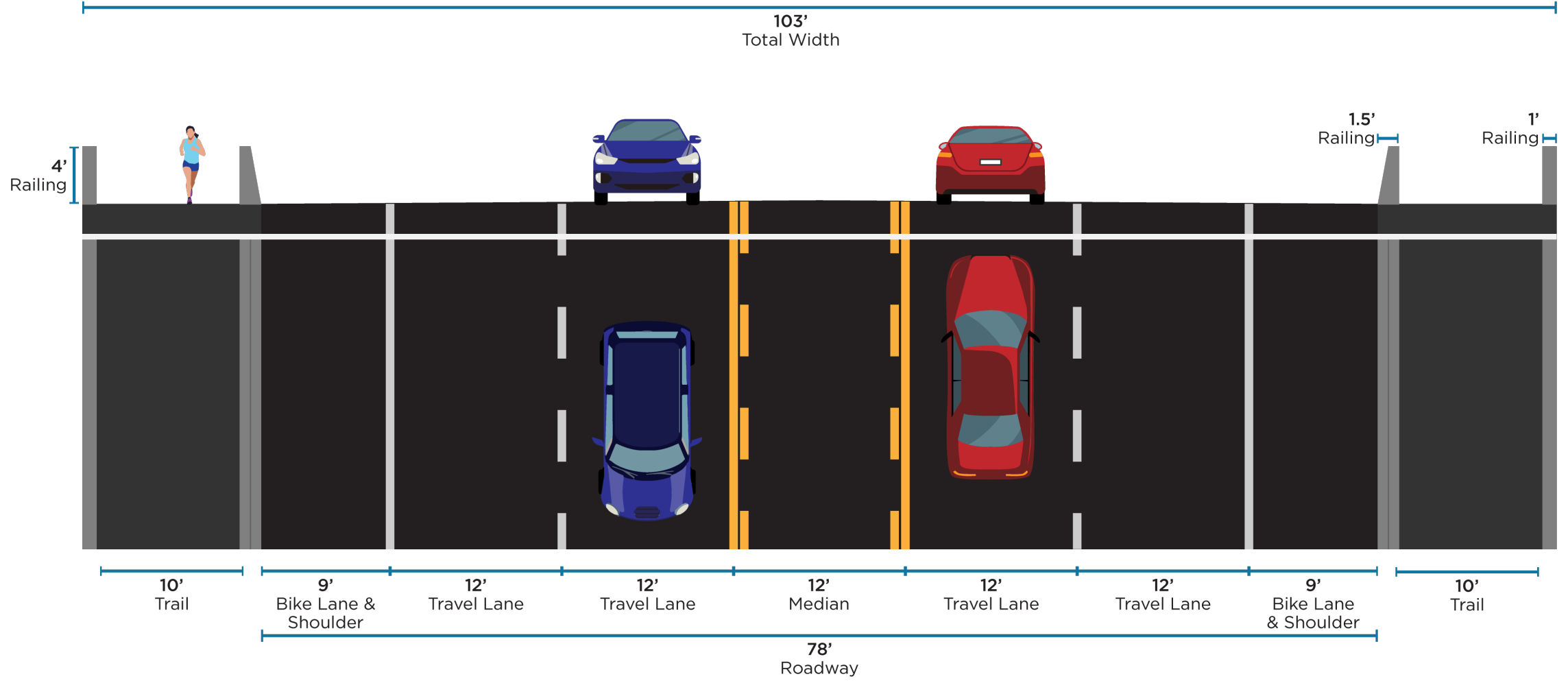
3 LANE MINOR ARTERIAL



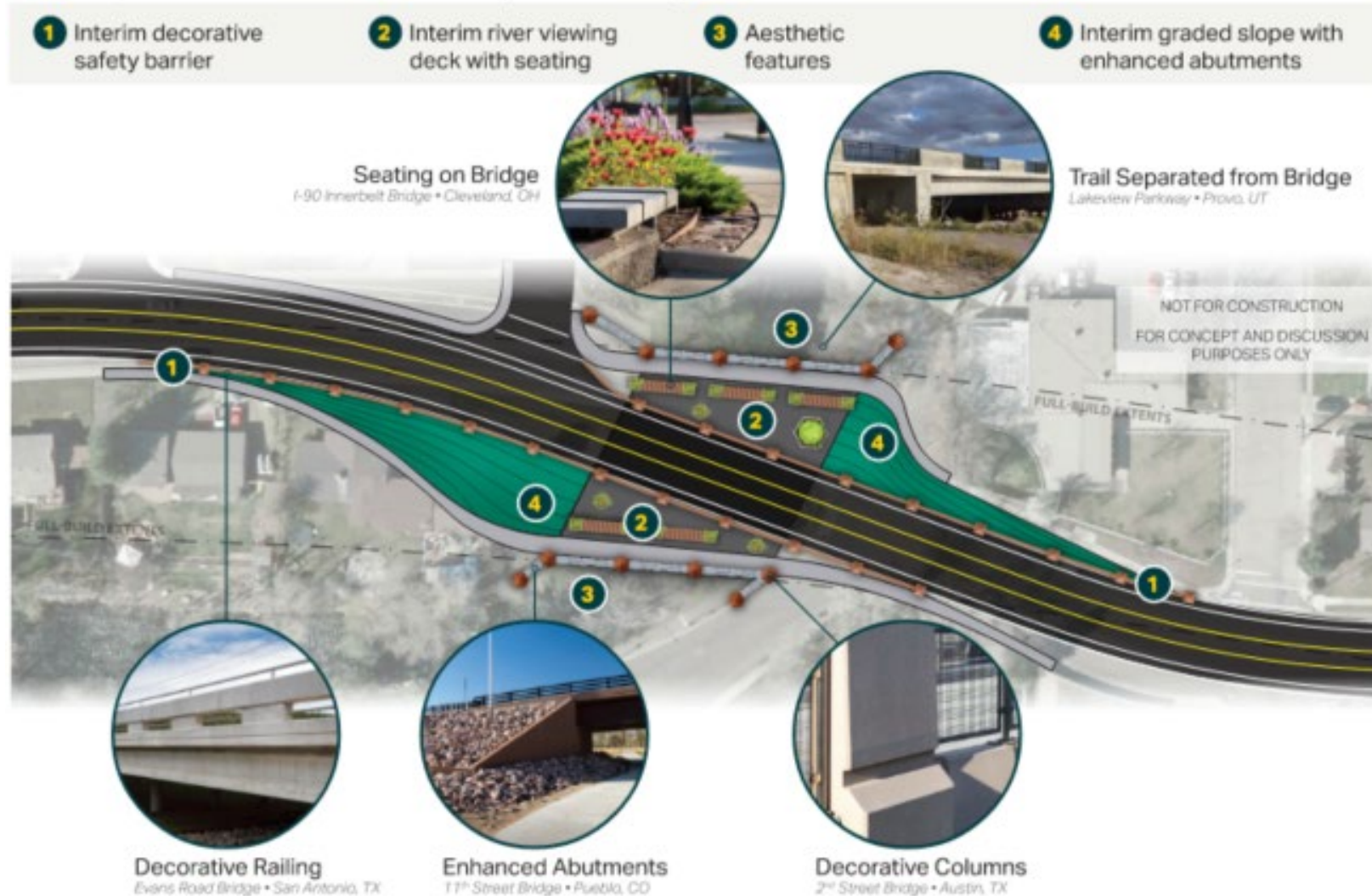
5 LANE MINOR ARTERIAL



5 LANE ARTERIAL



The Bridge could be Transitional





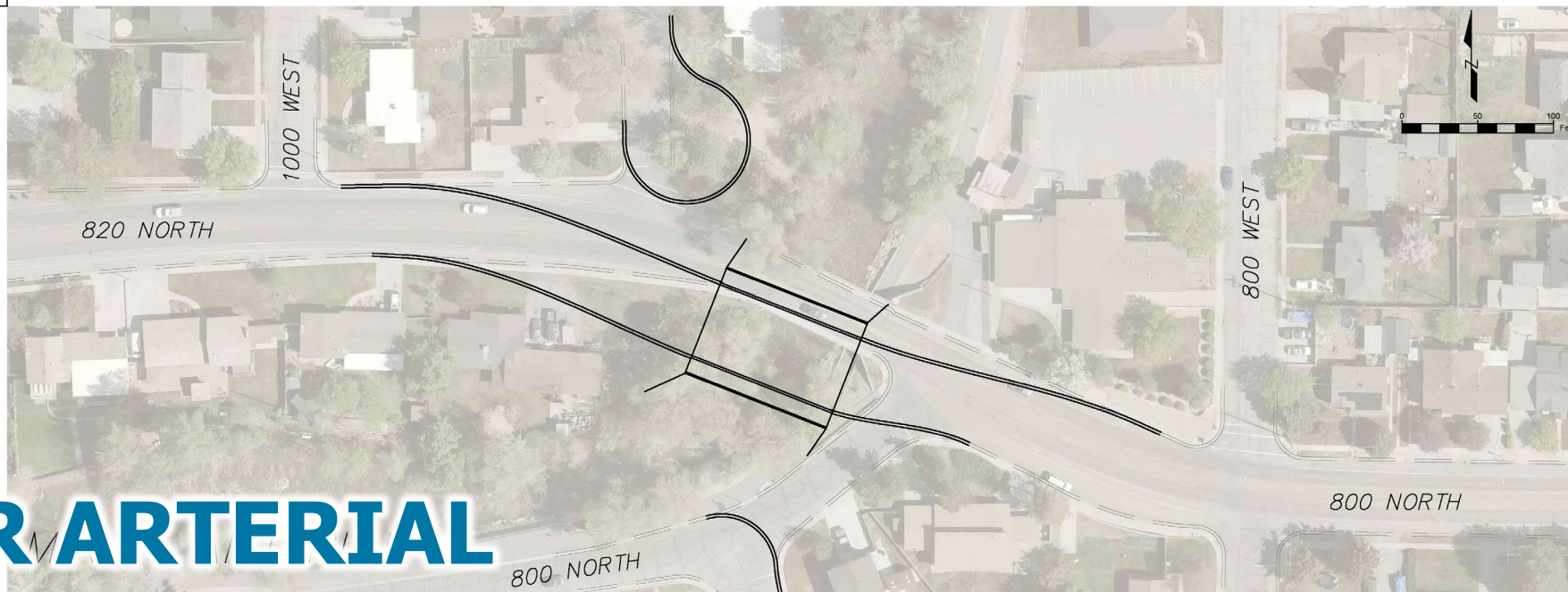
Provo River Bridge & Trail: Bridge Location Options

Bridge Location Goal

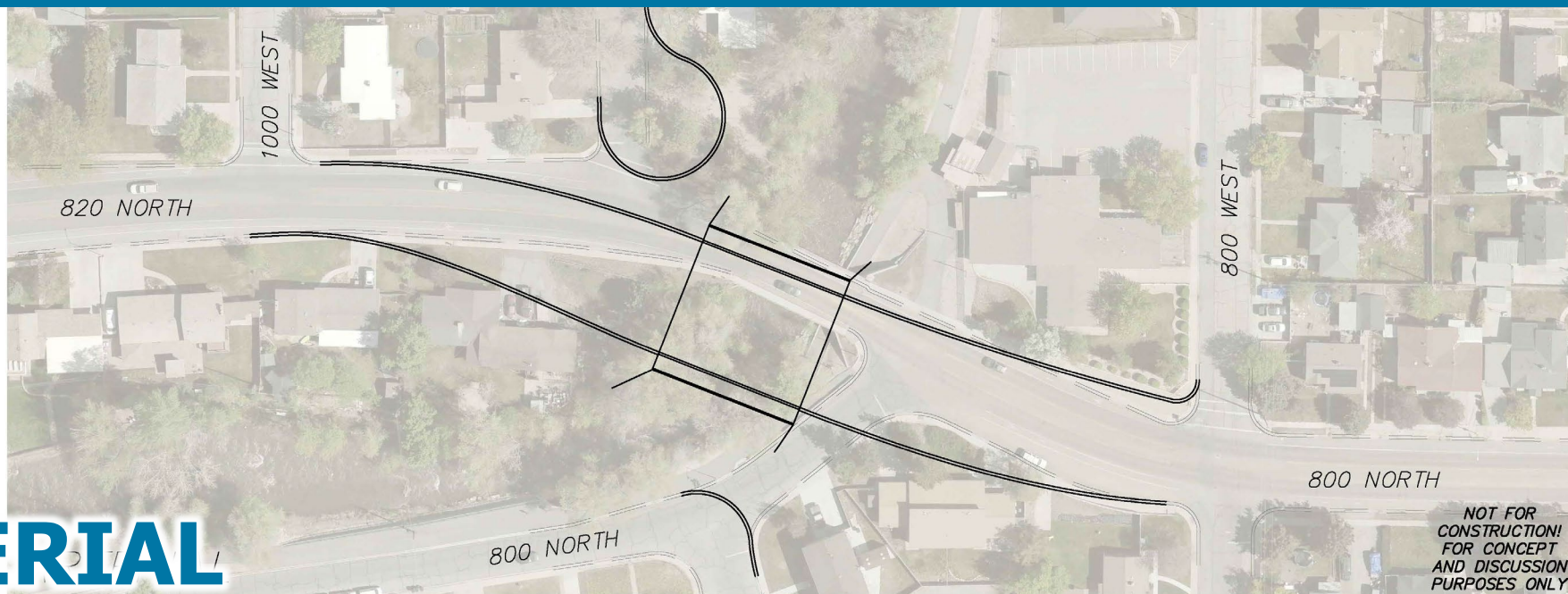
- Locate the bridge in a manner that it allows for all options to be considered for possible future road widening – north, middle, and south
- This will allow for UDOT's environmental analysis to consider all options from Provo's Center Street to University Parkway in Orem including 820 North



MINOR ARTERIAL

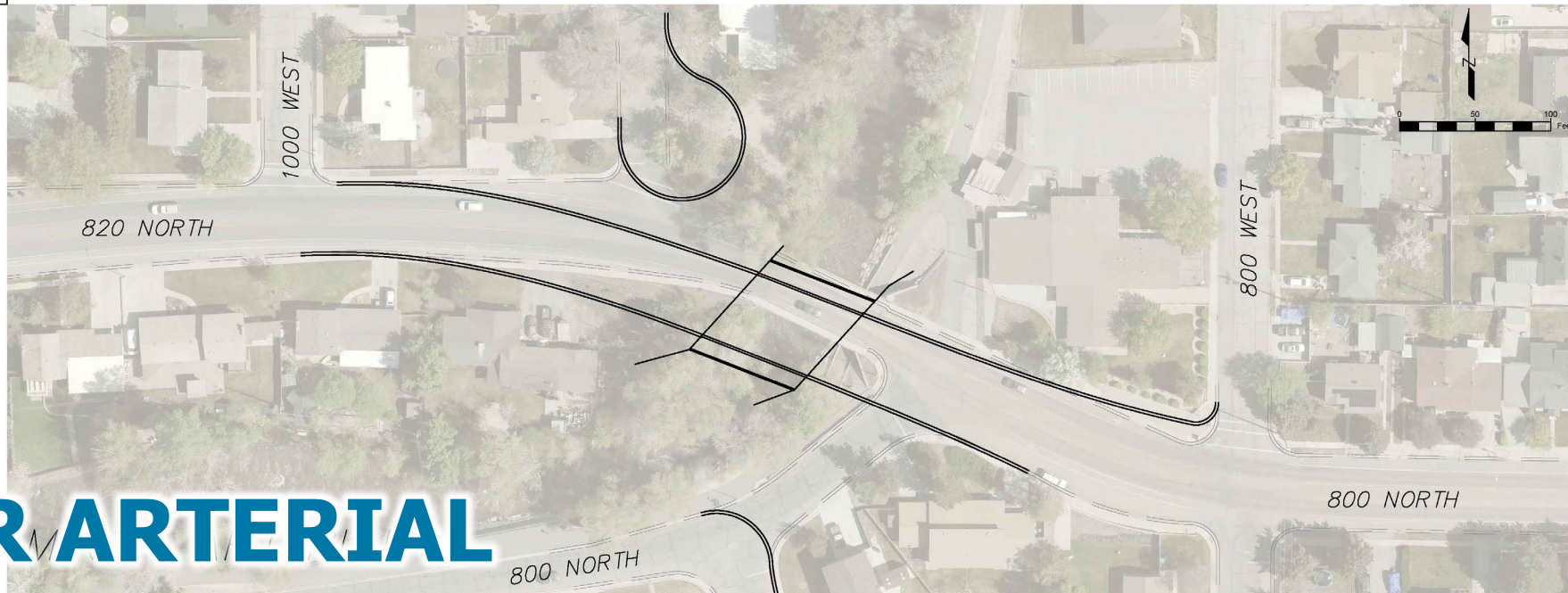


ARTERIAL

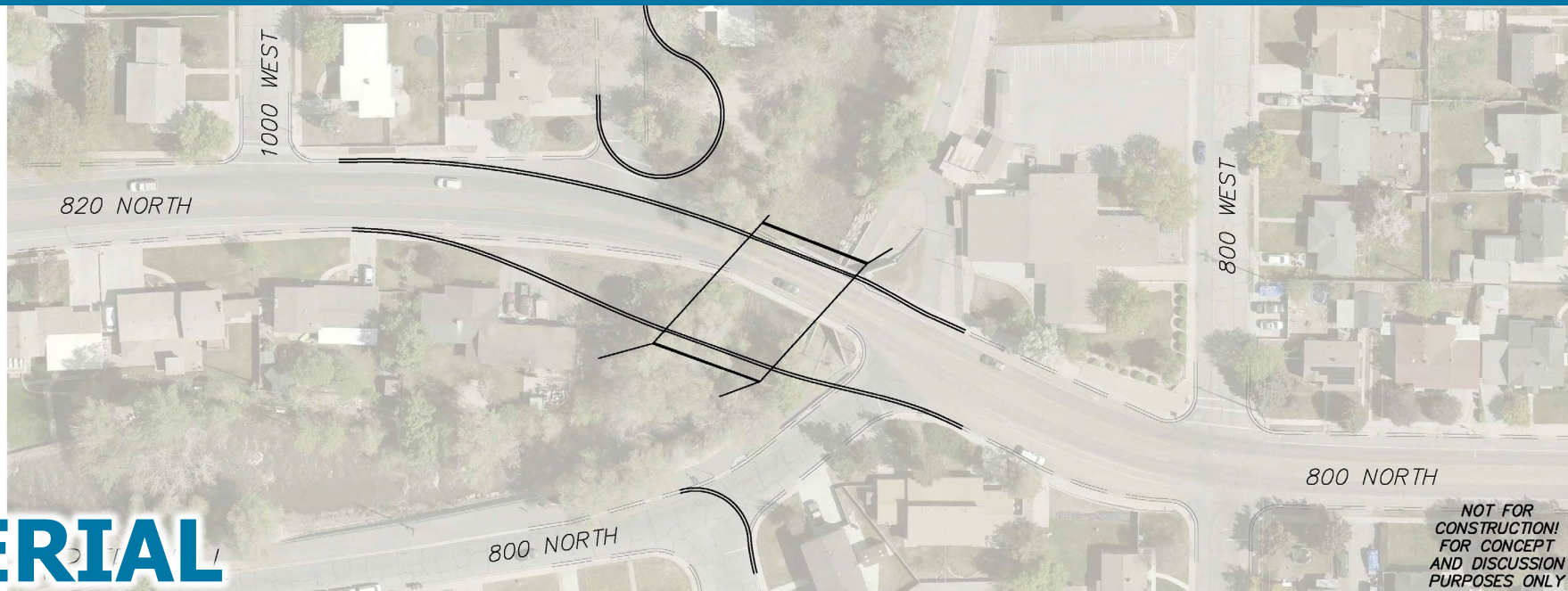


NOT FOR
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FOR CONCEPT
AND DISCUSSION
PURPOSES ONLY

MINOR ARTERIAL



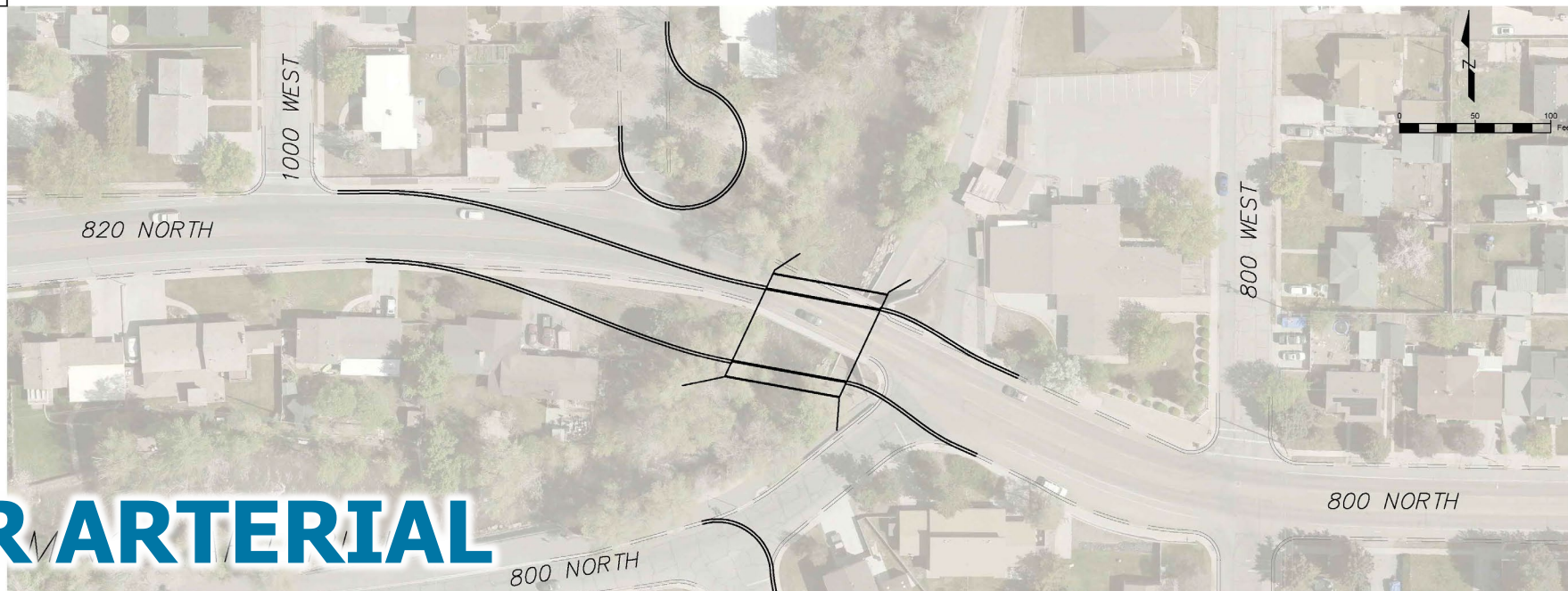
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© 2023 WMA Engineering, Project 2023 - 820 North Bridge (CAD) 820 North Bridge Concept - 5.1mg

MINOR ARTERIAL



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AND DISCUSSION
PURPOSES ONLY



Provo River Bridge & Trail: --- Public Involvement

PI Strategy: Listen, Proactive, Transparent

1. Inform Stakeholders

- TMAC, Planning Commission, and community groups such as BYU, Intermountain Health, Downtown Provo, Inc., BikeWalk Provo, etc.

2. Neighborhood Outreach

- Meet with Neighborhood Districts, attend pop-up events, and public open house

3. Citywide Information

- Provide project website, email, and hotline. Broad distribution of information in newsletters, social media, and utility bills.



Questions



PROVO RIVER BRIDGE & TRAIL



PROJECT OVERVIEW

It is anticipated that Provo will reconstruct the bridge at 820 North 850 West to achieve the following goals:

- **Upgrading safety** by addressing structural deficiencies
- **Improving comfort** by widening sidewalks and adding a new trail for safer, and more convenient access
- **Supporting connectivity** to neighborhoods, trails, parks, and bike lanes into the future by right-sizing the bridge for a 75-year life span

The bridge carries 11,000 cars a day. The project is currently in the design phase and the team is working on designs that will be shown to the public at an open house later this summer. The team will be meeting with residents, local businesses, and community groups through the spring and summer to share information about the project and listen to questions and concerns. To stay up to date please subscribe for email updates. We'll be sending periodic updates about the design and when we'll be at community events.



LEARN MORE ABOUT THE PROJECT AT:

<https://www.provoriverbridge.com>

CONTACT US!

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