



STAFF REPORT

Report To: Board of Supervisors **Meeting Date:** October 20, 2022

Staff Contact: Darren Schulz, Public Works Director

Agenda Title: For Possible Action: Discussion and possible action regarding the 30% design concepts for the East William Street Complete Streets Project ("Project") and to authorize staff to advance to the 60% design stage. (Randall Rice, rrice@carson.org)

Staff Summary: This Project includes complete street improvements along East William Street between North Carson Street and the I-580/U.S. Highway 50 interchange, including pavement reconstruction and preservation, utility replacement, safety enhancements, undergrounding of overhead utilities and multi-modal transportation infrastructure. Staff will present the 30% level of design concepts that have been developed for the corridor based on the previous input and direction from the public and the Regional Transportation Commission ("RTC"). Staff will also discuss the overall status of the design improvements planned for the corridor.

Agenda Action: Formal Action / Motion **Time Requested:** 20 minutes

Proposed Motion

I move to approve the 30% design as presented and authorize staff to advance the project to the 60% design stage.

Board's Strategic Goal

Sustainable Infrastructure

Previous Action

July 7, 2022 – The Board of Supervisors ("Board") approved the amendment to Contract No. 21300204 with Nichols Consulting Engineers, CHTD ("NCE") to provide phase two design and construction support services for the Project, for an additional \$1,919,215.00 for a total not to exceed amount of \$2,309,493.50.

January 6, 2022 – The Board awarded Contract No. 21300204 to NCE to provide phase one preliminary design services for the Project for \$390,242.50.

Background/Issues & Analysis

The 30% design plans have been developed for the corridor using a combination of the input collected from the public and the RTC. Staff have reviewed possible ways to incorporate pedestrian crossing and connectivity enhancements and add buffered bike lanes as elements into the design. Staff will present the 30% design concepts which include curb, gutter and sidewalk improvements, buffered bike lanes, narrowed lane widths, enhanced pedestrian crosswalk locations and small median islands. Based on additional input from the Board, RTC and the Redevelopment Authority Citizen's Committee ("RACC"), staff plan to finalize the design concept for the corridor and advance the design to 60%. The corridor design will be a balance between the input

provided, the known corridor needs based on engineering judgment and the available funding. This balanced approach will be necessary to distribute the limited funding to the identified needs.

Beginning with the Board's vision in 2014, the Project focused on safety of all transportation modes, infrastructure for alternative modes, efficiency of traffic operations, facilities for people with disabilities and integration with land-use plans. The Complete Streets vision for East William Street began with the Greening America's Capitals East William Street Study, completed in 2016.

In the spring of 2022, Carson City was awarded a Rebuilding American Infrastructure with Sustainability and Equity ("RAISE") grant for \$9.3 million. The highly competitive RAISE grant was awarded by the United States Department of Transportation, which described the project as an important investment in Carson City's infrastructure with a focus to improve pedestrian safety, mobility and green infrastructure.

Carson City staff contracted with Wood Rodgers to conduct a Traffic Report in the spring of 2022. The evaluation included review of crash data, traffic volumes and storage capacity, as well as analysis of level of service for intersections and segments along the William Street corridor. Improvement opportunities were recommended for incorporation into design of the Project.

Carson City staff conducted various public outreach efforts through the winter and spring of 2022. The first effort included a field tour on January 8, 2022, where staff visited businesses along the corridor to explain the project and encourage feedback. The second effort was creation of an online comment map for citizens to provide comments and concerns. A survey was sent out to the general public in the same time period of January-February with various questions relating to how the corridor is used, existing conditions and suggested improvements. Finally, three open house meetings were held in the first two weeks of February.

On May 4, 2022, the RTC approved the East William Street Feasibility Study. The study incorporated comments received through extensive public outreach and industry best practices to develop conceptual designs.

On October 3, 2022, the RACC reviewed the 30% design concepts and provided comments.

On October 12, 2022, the RTC reviewed the 30% design concepts and provided comments.

The following is a tentative schedule of remaining key milestones leading up to final design of the project:

Design milestones & Future Board/Committee updates (Board, RACC and RTC):

- Winter 2022/Spring 2023 – 60% design
- Summer 2023 – Final design

Community meetings and workshops:

- Jan/Mar 2022 – Survey and Comment Map - Complete
- February 1, 3 and 8, 2022 – Open House - Complete
- May 3, 2022 – Design Alternates Open House Meeting - Complete
- Winter/Spring of 2022/2023 – Design Public Meeting and Workshops
- Summer 2023 – Construction Impacts Workshop Meeting

Direction and comments from the Board will be incorporated into the East William Complete Streets 60% design.

This project may be broken into two parts to support undergrounding of overhead utilities. The available funding and final bid pricing will determine the limits of the undergrounding and multiple contracts may be required to support this work.

If you have any questions regarding the Project you can contact Darren Anderson, Senior Project Manager, at danderson@carson.org (775-283-7584) or Randall Rice, City Engineer, at rrice@carson.org (775-283-7378).

Applicable Statute, Code, Policy, Rule or Regulation

N/A

Financial Information

Is there a fiscal impact? No

If yes, account name/number: N/A

Is it currently budgeted? No

Explanation of Fiscal Impact: N/A

Alternatives

N/A

Attachments:

[2022_10_20 - BOS 30 Presentation E. William St.pdf](#)

Board Action Taken:

Motion: _____

1) _____

2) _____

Aye/Nay

(Vote Recorded By)



CONNECTING

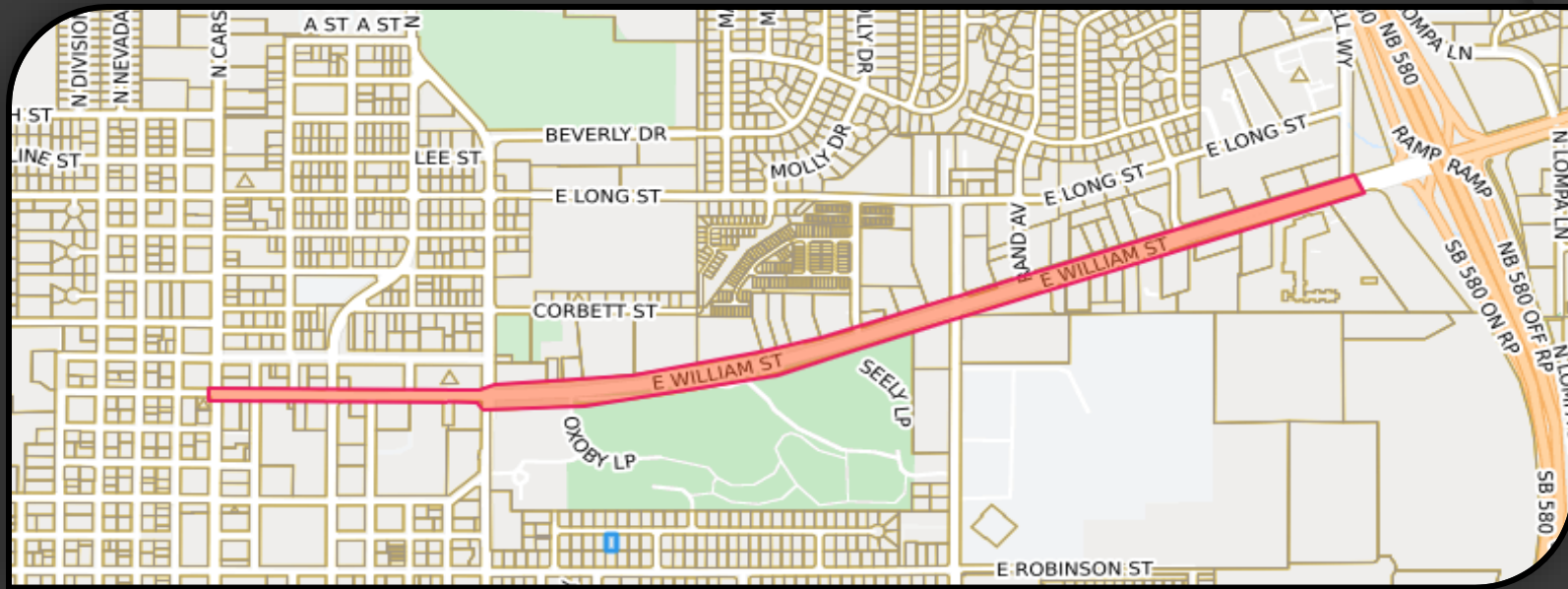


WITH THE CAPITAL

East William Complete Streets Project

October 20, 2022 BOS

Project Overview



This project will transform the corridor between N. Carson Street and the I-580 interchange from a busy, congested vehicle thoroughfare to a safer multimodal, accessible roadway shared by all users including drivers, cyclists, and pedestrians; otherwise known as a Complete Street.

Project Benefits and Goals



- Review travel lane widths and corridor configuration
- Improve safety for pedestrians, cyclists and automobiles
- Improve accessibility for disabled persons
- Support land use plans and economic development
- Increase multimodal travel capacity to accommodate growing population and employment
- Improve utility and drainage infrastructure



Community Outreach

- Extensive business and community outreach through multiple public meetings and an interactive comment map.
- Discussed project features, timeline and opportunities to stay involved through design and construction
- Majority of stakeholders are positive about the project





What Did We Hear

- More trees and landscape strips
- Separate bike/ped from auto traffic
- Wider sidewalks
- Sidewalk connectivity
- Improved pedestrian safety
- Enhanced street lighting
- Protected left turns
- LID and drainage improvements
- Traffic calming
- Driveway elimination/consolidation
- Improved site distance and traffic flow
- Add marked bike lanes
- Additional parking at Mills Park
- More electric car charging stations
- Consider a roundabout and pedestrian bridge
- Art
- Underground utilities



Preferred Alternative

N. Carson to Roop



Preferred Alternative

Roop to Saliman



Preferred Alternative

Saliman to Gold Dust West





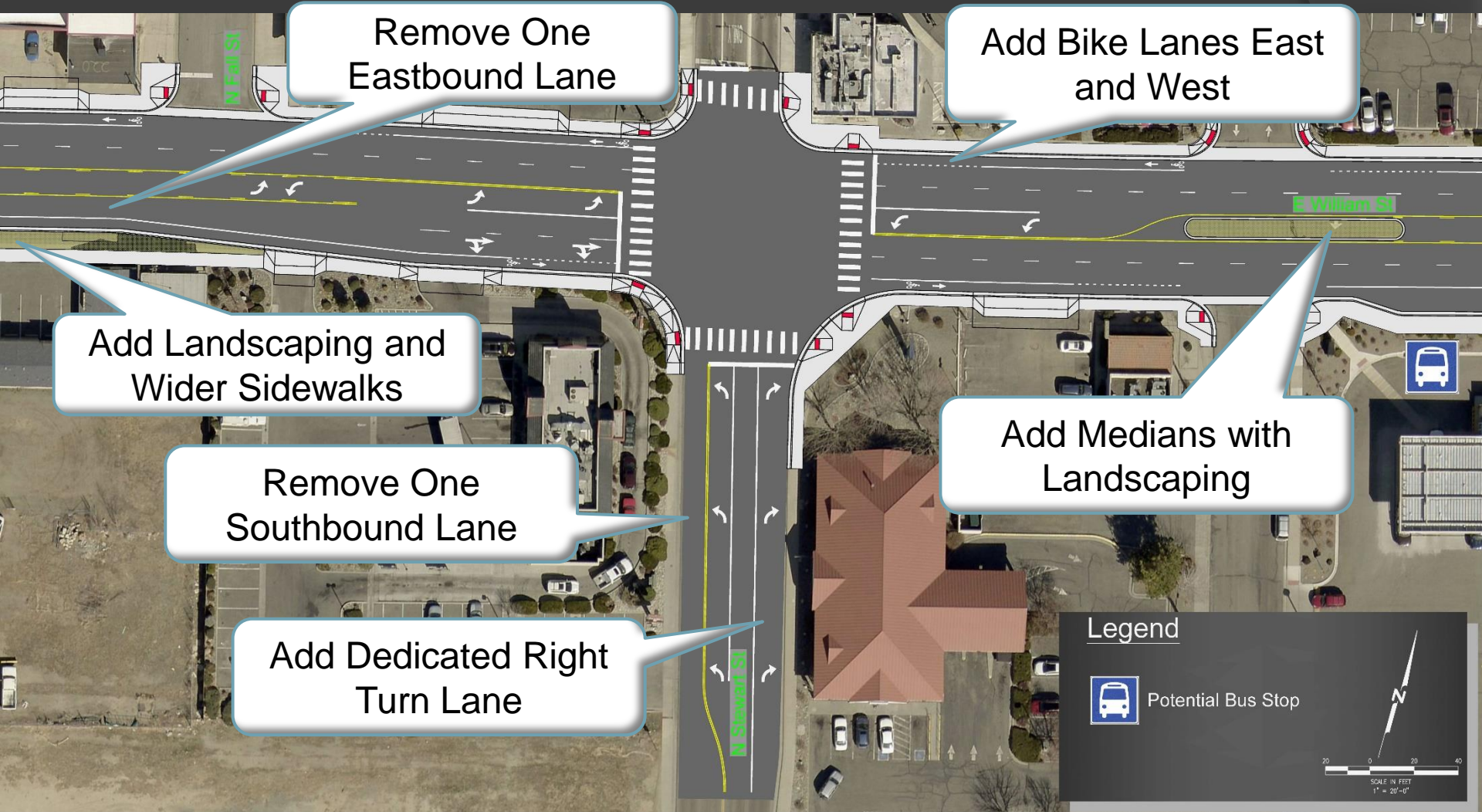
Preliminary Design

- Preferred Alternative
 - Utility undergrounding
 - Sidewalk and pedestrian ramps
 - Roadway striping
 - Pedestrian and street lighting
 - Traffic signal modifications
 - Landscaping
 - Low Impact Development





N Stewart Street Intersection



Remove One Eastbound Lane

Add Bike Lanes East and West


Add Landscaping and Wider Sidewalks

Remove One Southbound Lane

Add Dedicated Right Turn Lane

Add Medians with Landscaping

Legend

 Potential Bus Stop

0 20 40
SCALE IN FEET
1" = 20'-0"



State Street Intersection



Buffered Bike lanes
East and West

Restrict
Left Turns

New Pedestrian
Crossing with Refuge

Add Medians with
Landscaping

Expand and Improve
Landscaping

Legend

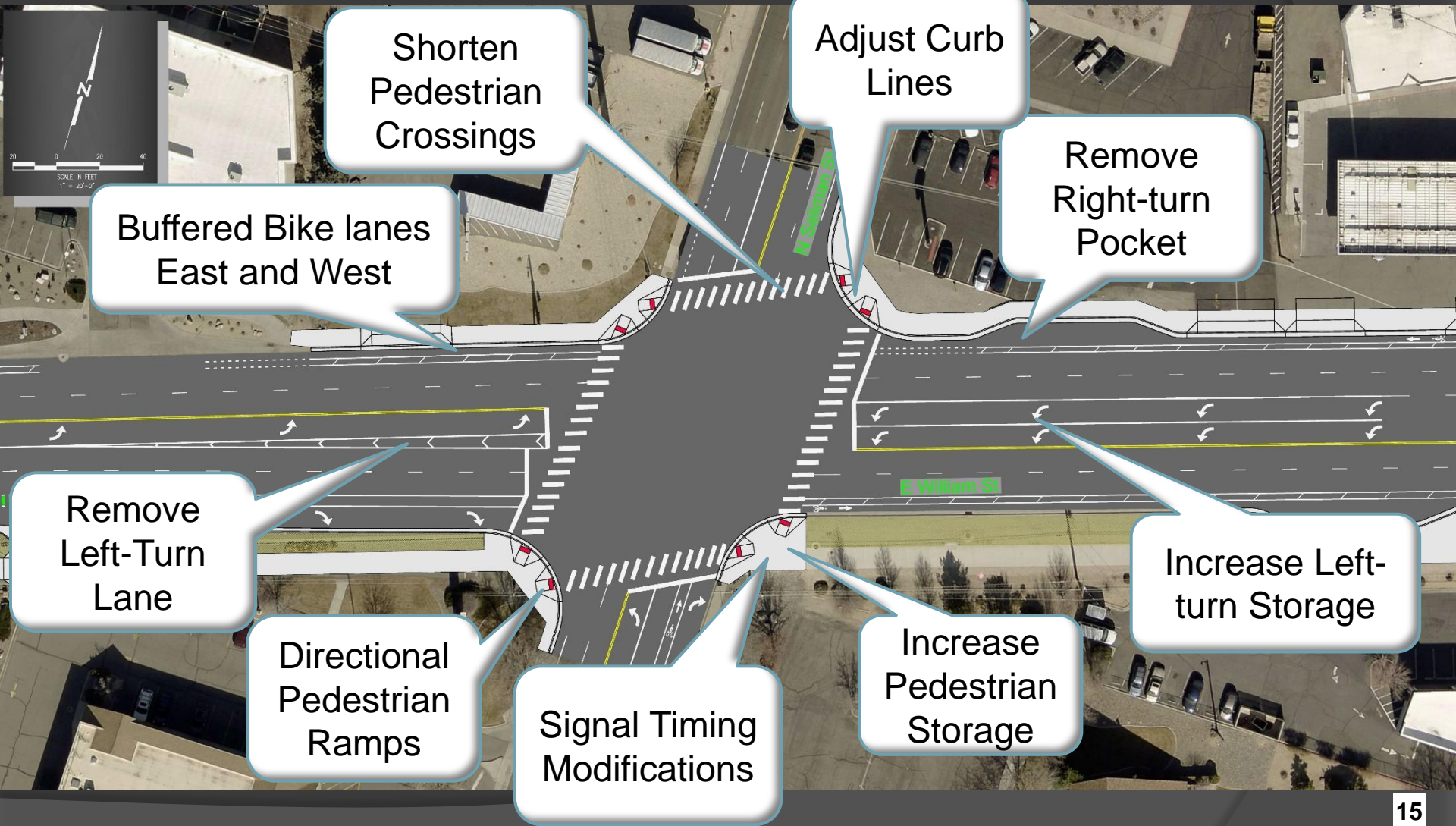
-  Potential Bus Stop
-  New Pedestrian Crossing

SCALE IN FEET
1" = 20'-0"





Saliman Intersection



Shorten Pedestrian Crossings

Adjust Curb Lines

Remove Right-turn Pocket

Buffered Bike lanes East and West

Remove Left-Turn Lane

Directional Pedestrian Ramps

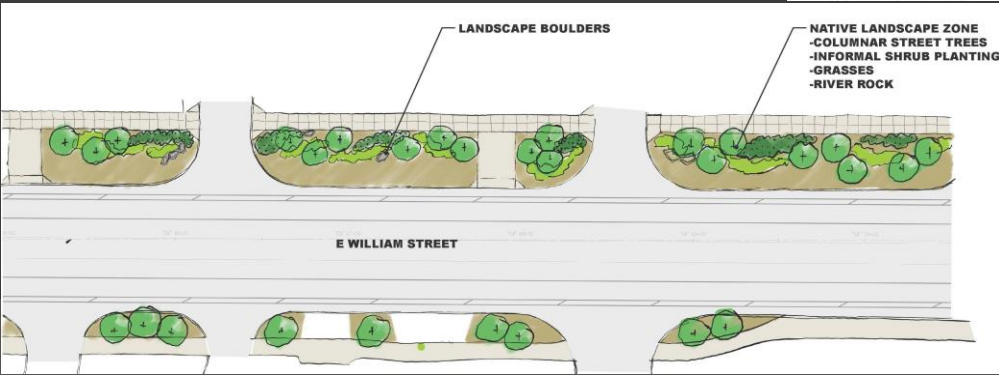
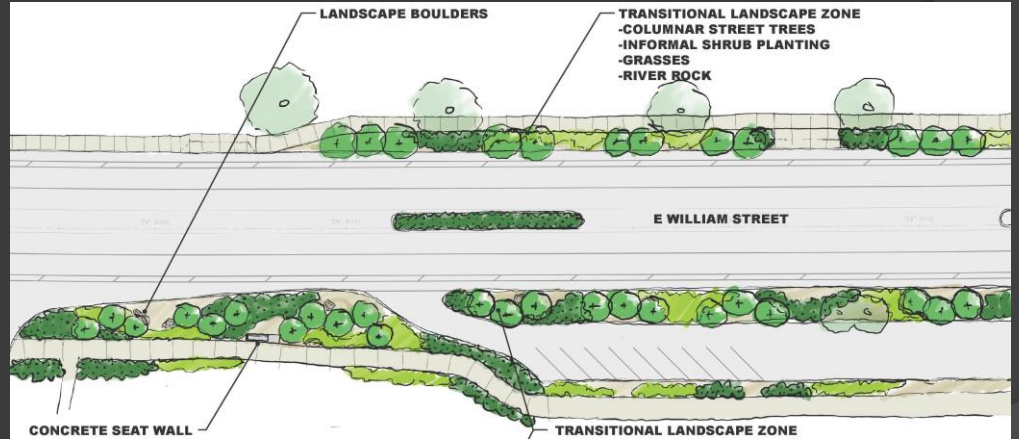
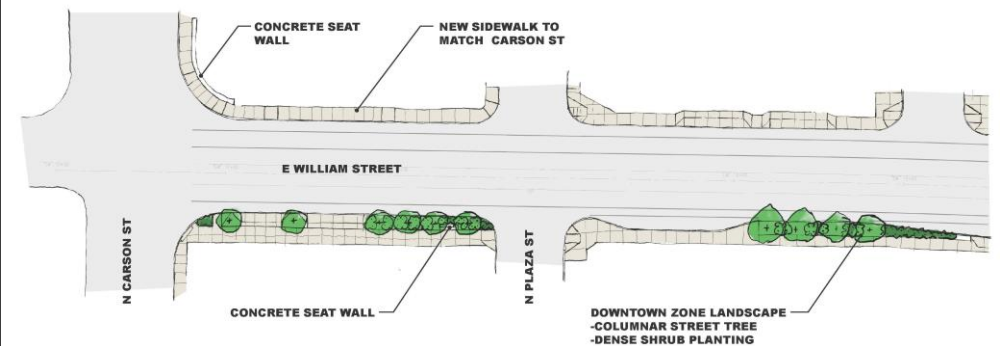
Signal Timing Modifications

Increase Pedestrian Storage

Increase Left-turn Storage



Landscape Design



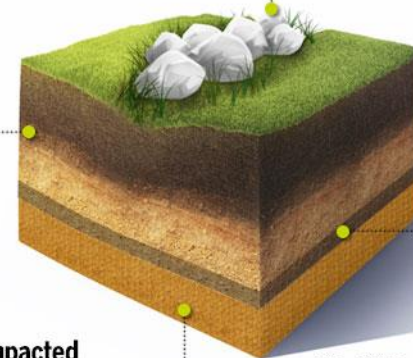


Low Impact Development



12" min. depth
Bioretention Soil Mix

River Rock



Compacted
Subgrade

4"- 8" Drainage
Fill in Filter Fabric

Project Funding



● Total Project Funding: **\$23,189,704**

RAISE = \$9,300,000

Federal Earmark = \$2,000,000

Redevelopment = \$404,620

Infrastructure = \$6,329,297

Stormwater = \$490,000

Water = \$2,600,000

Sewer = \$2,065,787

RAISE Grants

Rebuilding America Infrastructure with Sustainability and Equity

Rural, Capital

East William Street Complete Streets Project

Carson City

Carson City, Nevada

Grant Funding: \$9,300,000

Next Steps



- Design milestones:
 - 60% Design in progress – December 2022
 - Summer 2023 – Final design
 - Construction – Planned to start in early 2024
- Upcoming Community Meetings/Workshops:
 - Design Update Public Meeting and individual contact – Winter/Spring 2022/2023
 - Construction Impacts Workshop meeting - Winter 2023
- Future Board/Committee updates (RACC, RTC, BOS):
 - Present at 60% and 90% project stages

Project Communication Tools

www.CarsonProud.com

Text "Carson Proud" to (775) 522-5722

Darren Anderson, PE
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775-283-7584



CONNECTING



WITH THE CAPITAL



Thank you!

