



STAFF REPORT

Report To: Board of Supervisors

Meeting Date: December 20, 2018

Staff Contact: Darren Schulz, Public Works Director

Agenda Title: For Possible Action: To approve the 30% design of the South Carson Complete Streets Project and to direct staff to advance the project to the 60% design stage. (Dan Stucky; DStucky@carson.org)

Staff Summary: The Carson City project manager and design team will present the 30% design for the South Carson Complete Streets Project.

Agenda Action: Formal Action/Motion

Time Requested: 15 minutes

Proposed Motion

I move to approve the 30% design of the South Carson Complete Streets Project and authorize staff to advance the project to the 60% design stage.

Board's Strategic Goal

Economic Development

Previous Action

N/A

Background/Issues & Analysis

The South Carson Complete Streets Project plans to convert the large South Carson Street corridor into more productive uses that facilitate comfortable, convenient, and safe travel for pedestrians and cyclists; improve access to abutting businesses; spur private investment in this important and vibrant commercial corridor; increase driver safety; and prepare Carson City for future Smart City advancements. The project limits are from the intersection of South Carson Street and 5th Street, south to the intersection of South Carson Street and I-580/US 50. The project includes pedestrian safety measures, ADA-compliant sidewalks and curb ramps, narrowed travel lanes, a buffered multi-use path, dedicated bicycle facilities, a roundabout, critical improvements to stormwater infrastructure, improved business access, public art, lighting fixtures, new signals, upgrades to the water and sewer systems, and fiber optic communications improvements that will complete the City's core communications ring. Construction is anticipated to start near the end of 2019. Public Works staff will provide a presentation and be available to answer questions.

On June 14, 2017, the Regional Transportation Commission (RTC) approved the South Carson Street Conceptual Complete Streets Study. The study incorporated extensive public outreach and industry best practices to develop conceptual designs. The recommended design in the study has documented support from the businesses and property owners along the corridor as well as bicycle and pedestrian advocates.

In the spring of 2018, Carson City was awarded a Transportation Investment Generating Economic Recovery (TIGER) grant for \$7.57 million. The highly competitive TIGER 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 and mobility in the area, and enhance commercial and business access.

Carson City staff contracted with Traffic Works, an independent traffic engineering firm, to conduct an Intersection Alternatives Evaluation in June 2018. The evaluation was designed to be an objective assessment of intersection control alternatives for South Carson Street through the entire project corridor. The analysis concluded that the South Carson Street at Stewart Street intersection is an effective location for a roundabout, considering: existing right-of-way availability, capacity to potentially support a future connection to South Curry Street, location is compatible with the coordinated signal system along the corridor, and ability for the intersection to serve as a transitional gateway feature to the revitalized downtown area.

Carson City staff conducted a field tour during the weeks of October 15 and October 22 of 2018 to visit the businesses along the project corridor. Staff provided an overview of the project and project schedule, gathered feedback, and discussed various communication tools for the public to stay connected during the design and construction process.

On November 14, 2018, the RTC reviewed the design, provided comments and recommended approval of the 30% design to the Board of Supervisors.

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

- December of 2018 – Carson City Board of Supervisors (BOS) and Redevelopment Authority Citizens Committee (RACC) meetings: Review and comment on “30%” project design.
- December 11, 2018 – Public meeting to provide general overview of the project.
- January/February of 2019 – RTC, BOS, and RACC meetings: Review and comment on “60%” project design.
- February 2019 – Public workshop meeting to discuss project specifics and conduct survey.
- April/May of 2019 – RTC, BOS, and RACC meetings: Review and comment on “90%” project design.
- June/July 2019 – Complete project design.

If you have any questions regarding the South Carson Complete Streets Project, you can contact Tom Grundy, Senior Project Manager, at tgrundy@carson.org/283-7081 or Dan Stucky, City Engineer, at dstucky@carson.org/283-7084.

Attachments:

1. November 14, 2018 Presentation to RTC

Applicable Statute, Code, Policy, Rule or Regulation

N/A

Financial Information

Is there a fiscal impact? Yes No

If yes, account name/number: N/A

Is it currently budgeted? Yes No

Explanation of Fiscal Impact: N/A

Alternatives

N/A

Board Action Taken:

Motion: _____

- 1) _____
- 2) _____

Aye/Nay

(Vote Recorded By)



South Carson Complete Streets Project

Regional Transportation Commission
November 14, 2018

Project Background



2014

- BOS approved plan of expenditures for facility and corridor projects- including South Carson Street corridor

2016 and 2017

- Conducted corridor study for the South Carson Complete Streets Project

April 2018

- Awarded \$7.57 million TIGER grant for the South Carson Complete Streets Project

July/August 2018

- Assembled design team and initiated design for the South Carson Complete Streets Project

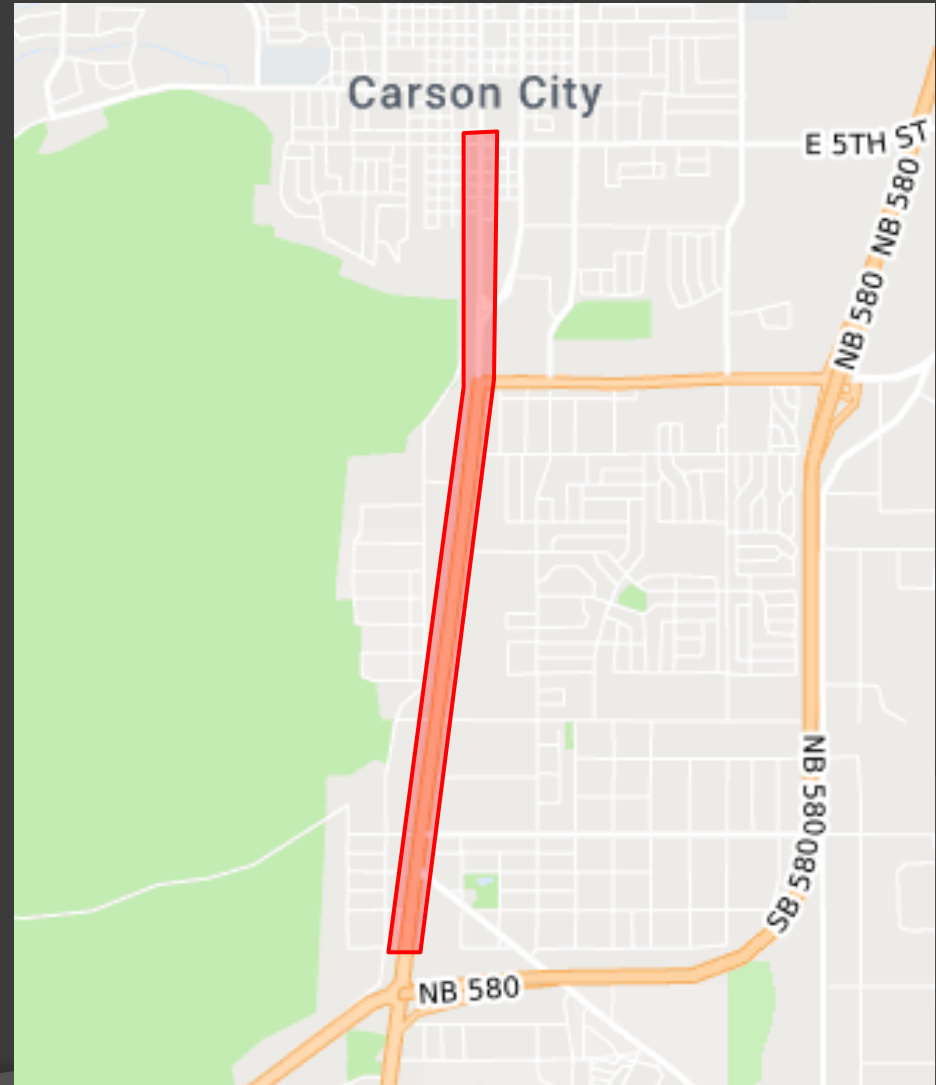
October 2018

- Public outreach to businesses
- Completed 30% design

Project Overview



- Storm drainage
- Landscaping
- Multi-use path
- Enhanced business access
- Street lighting
- Frontage road
- Roundabout
- Illuminated pedestrian crossings
- Utility improvements

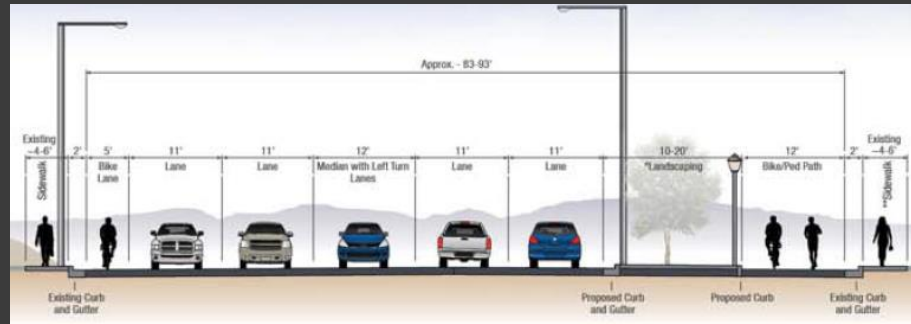




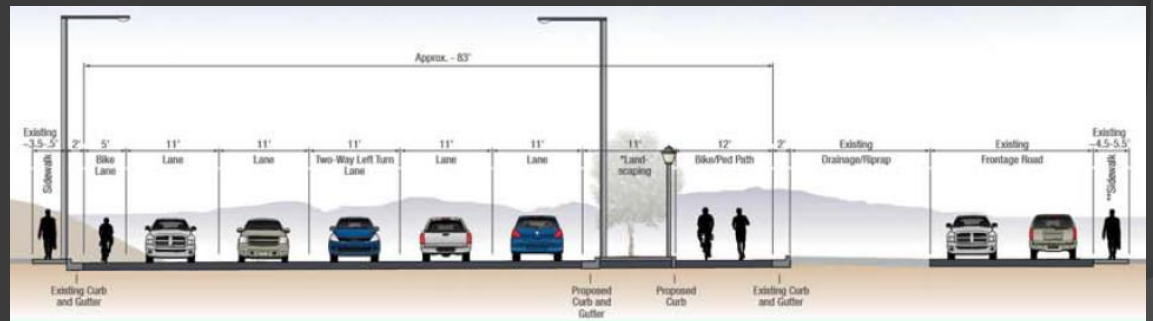
Project Overview

- Conducted 2 public meetings (September 2016 & March 2017) to select preferred street cross sections:

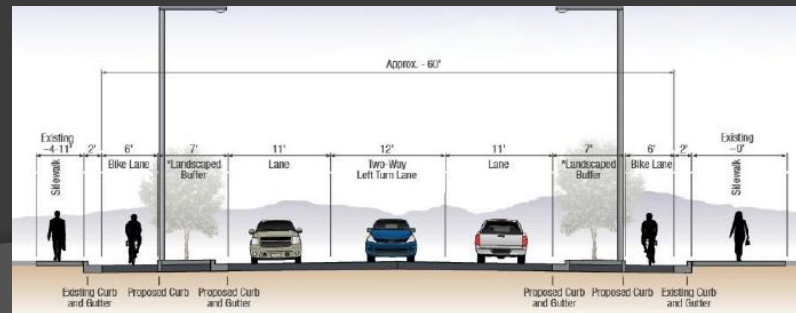
Snyder to Stewart



Snyder to Stewart (Frontage Road)



Stewart to 5th





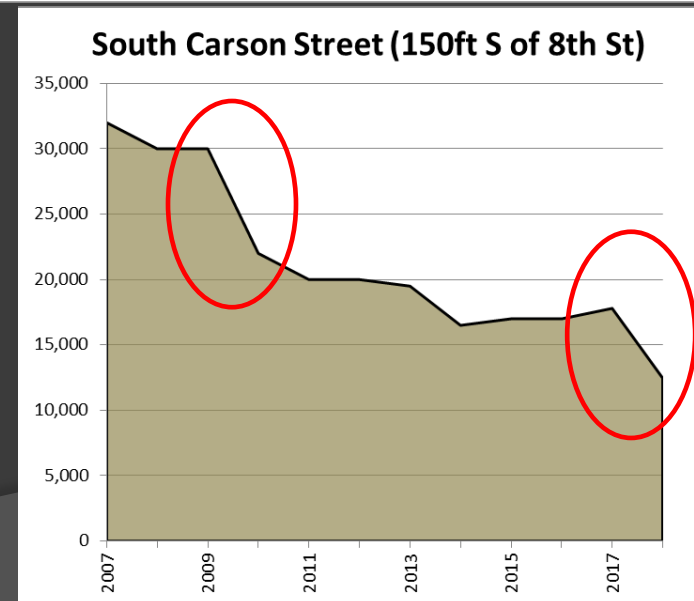
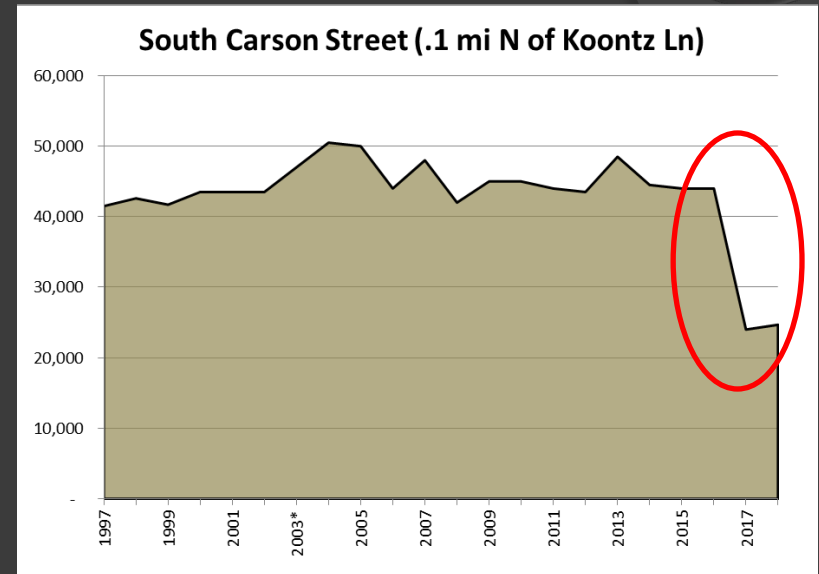
Public Outreach

- 248 businesses visited over 2 weeks in October
- Discussed project features, timeline and opportunities to stay connected through design and construction
- Majority of businesses were extremely positive about the project
- Comments:
 - Impacts during construction
 - Landscaping obstructing business signage
 - Pedestrian crossings
 - Existing raised center medians
 - Trucks in roundabout
 - Traffic congestion with lane reductions

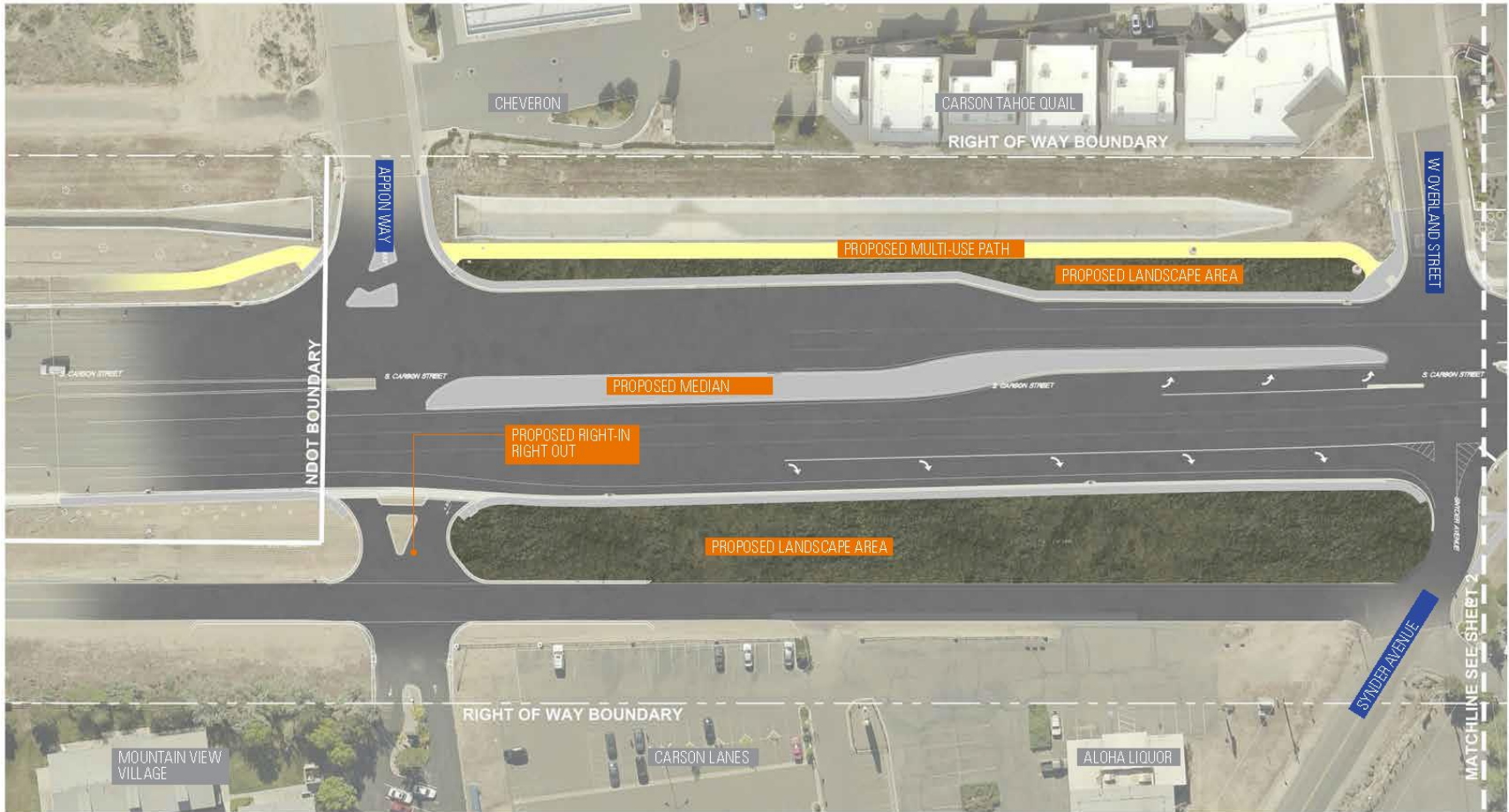
Traffic Reductions



- South of Fairview
 - > 40% reduction since opening of Phase 2B of I-580 in 2017
- Fifth to Stewart
 - 33% reduction with opening of Phase 2A of I-580 in 2009 and 30% reduction since opening of Phase 2B of I-580 in 2017
- Traffic demand modeling- Existing and 2040
- Optimize signal timing



30% Design Exhibit



SHEET 1 APPION TO SNYDER



SOUTH CARSON STREET
CARSON CITY, NV

DESIGNWORKSHOP
NOVEMBER 2018

30% Design Exhibit



SHEET 2 SNYDER TO CLEARVIEW DRIVE



SOUTH CARSON STREET
CARSON CITY, NV

DESIGNWORKSHOP
NOVEMBER 2018

30% Design Exhibit



SHEET 3 CLEARVIEW DRIVE TO CASINO FANDANGO



SOUTH CARSON STREET
CARSON CITY, NV

DESIGNWORKSHOP
NOVEMBER 2018

30% Design Exhibit



SHEET 4 CASINO FANDANGO TO KOONTZ



SOUTH CARSON STREET
CARSON CITY, NV

DESIGNWORKSHOP
NOVEMBER 2018

30% Design Exhibit



SHEET 5 MOSES & FRONTAGE ROAD



SOUTH CARSON STREET
CARSON CITY, NV

DESIGNWORKSHOP
NOVEMBER 2018

30% Design Exhibit



SHEET 6 FRONTAGE ROAD



SOUTH CARSON STREET
CARSON CITY, NV

DESIGNWORKSHOP
NOVEMBER 2018

30% Design Exhibit



SHEET 7 FRONTAGE ROAD



SOUTH CARSON STREET
CARSON CITY, NV

DESIGNWORKSHOP
NOVEMBER 2018

30% Design Exhibit



SHEET 8 FRONTAGE ROAD



SOUTH CARSON STREET
CARSON CITY, NV

DESIGNWORKSHOP
NOVEMBER 2018

30% Design Exhibit



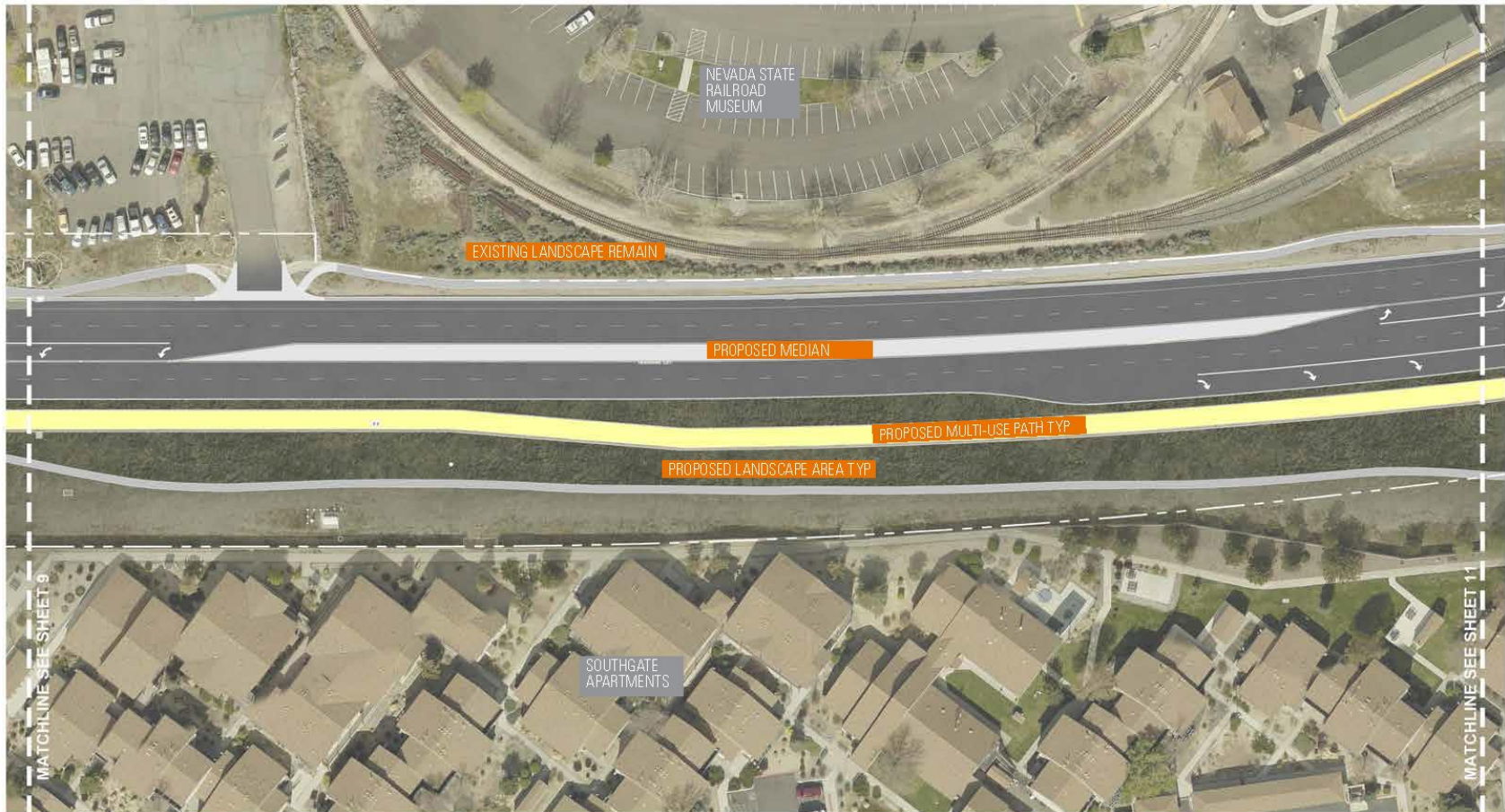
SHEET 9 FRONTAGE ROAD TO COLORADO ST



SOUTH CARSON STREET
CARSON CITY, NV

DESIGNWORKSHOP
NOVEMBER 2018

30% Design Exhibit



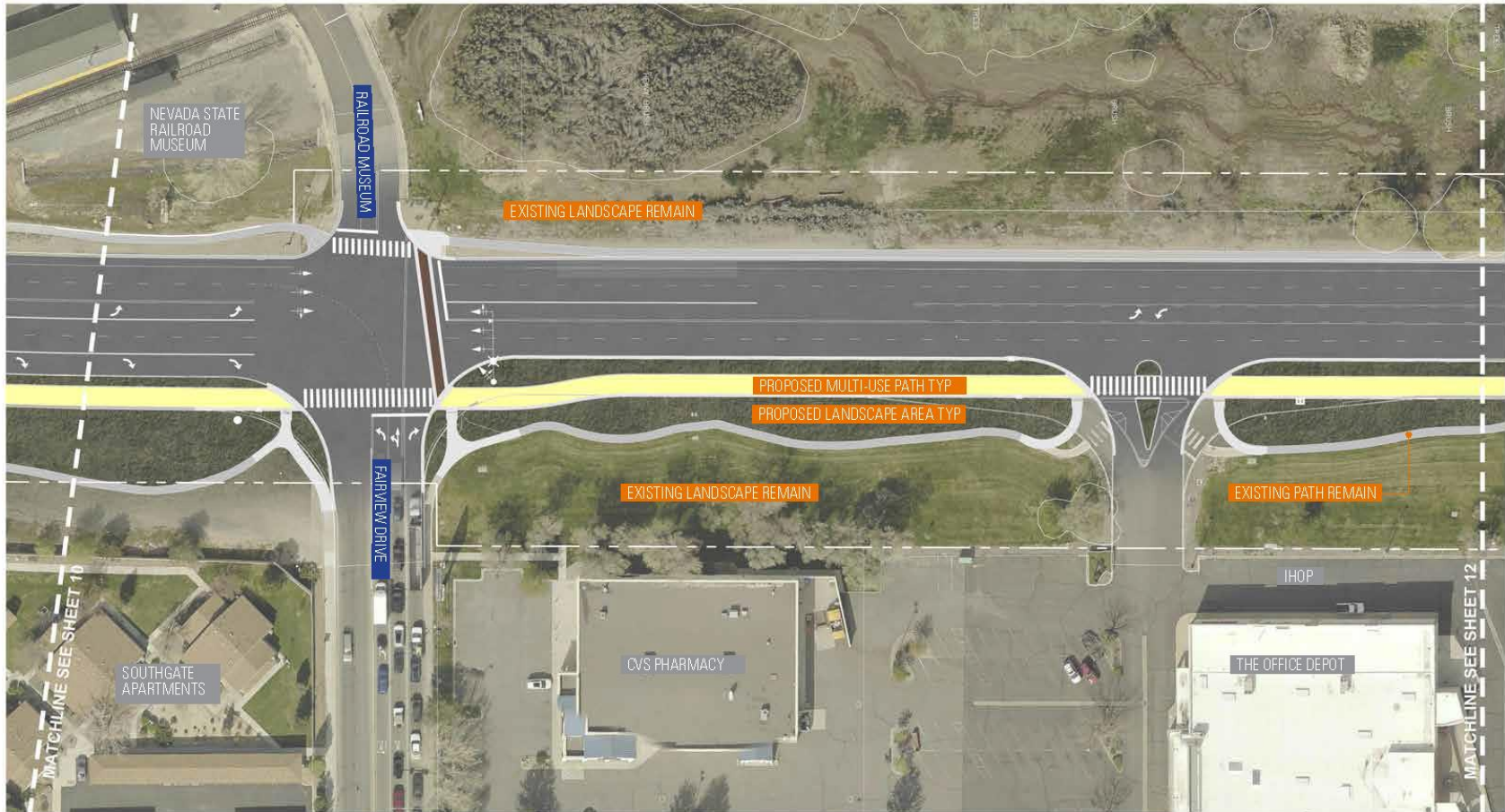
SHEET 10 STATE RAILROAD MUSEUM



SOUTH CARSON STREET
CARSON CITY, NV

DESIGNWORKSHOP
NOVEMBER 2018

30% Design Exhibit



SHEET 11 SOUTHGATE APT TO STEWART



SOUTH CARSON STREET
CARSON CITY, NV

DESIGNWORKSHOP
NOVEMBER 2018

30% Design Exhibit



SHEET 13 CARSON MALL

SOUTH CARSON STREET
CARSON CITY, NV



DESIGNWORKSHOP
NOVEMBER 2018

30% Design Exhibit



SHEET 14 CARSON MALL TO 8TH ST



SOUTH CARSON STREET
CARSON CITY, NV

DESIGNWORKSHOP
NOVEMBER 2018

30% Design Exhibit



SHEET 15 ARCO TO 5TH ST



SOUTH CARSON STREET
CARSON CITY, NV

DESIGNWORKSHOP
NOVEMBER 2018

Stewart Street Roundabout



- Design highlights:
 - LOS A for all legs and all times except westbound PM peak 2040 scenario.
 - Decreased O&M costs
 - Improved safety- Significant anticipated crash reduction from 3/year to 1.6/year (Societal cost savings of \$2.8M)
 - Single lane roundabout = easier to navigate
 - Provides gateway to the City

Preferred Option- Single lane roundabout with northbound and southbound bypasses



Kimley»Horn

Expect More. Experience Better.



Project Funding

- Total Project Funding: **\$18,696,000**

Redevelopment = \$205,000

Infrastructure = \$1,040,000

TIGER = \$7,570,000

State = \$6,251,000

Stormwater = \$2,900,000

Water = \$450,000

Sewer = \$280,000

- Project Cost Breakdown:

Planning/Design (6%) = \$1,098,000

Permitting/Utilities (0.5%) = \$91,000

Construction Mgmt./Inspection/Testing (3%) = \$550,000

Construction (90.5%) = \$16,957,000



Schedule

- Design milestones:
 - January/February 2019- 60% design
 - April/May 2019- 90% design
 - June/July 2019- Final design

- Public meetings and workshops:
 - December 11, 2018- General informational meeting
 - January/February 2019- Project workshop & survey

- Board and committee updates (RACC, RTC, BOS):
 - January/February 2019- 60% design update
 - April/May 2019- 90% design update

- Construction- Start by end of 2019



Project Communication Tools

- ◉ CarsonProud.com
- ◉ Text subscription service
- ◉ Social media
- ◉ Construction map
- ◉ Construction hotline

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South Carson Complete Streets Project