

# January 10, 2023 – Design Review Committee Mtg #9



## Meeting Summary

<b>Project:</b> Arlington Avenue Bridges	<b>Date:</b> January 10, 2023 1 PM
<b>Topics:</b> Utility updates Environmental updates Aesthetics design updates Roadway design updates Schedule Open Discussions/Discussion	<b>Location:</b> Virtual - Microsoft Teams Meeting

## Participants

Judy Tortelli – RTC Project Manager	Doug Maloy - RTC Engineering Manager
Khalil Wilson - City of Reno Engineering Manager	Barb Santner – Stantec
Matt Brezina – City of Reno Parks and Rec	Jeffrey Grob – Stantec
Alex Wolfson – City of Reno	Laura Meyer – Jacobs Environmental
Theresa Jones – City of Reno	Kaci Stansbury – Jacobs Project Manager
Michael Dulude - RTC	Robbie Coomes – Jacobs Bridge Lead
Dale Keller - RTC Director of Engineering	Kayann Jongsma, Jacobs, Drainage
Eric Yount– NDOT Hydraulics	Julie Trumpoldt – Jacobs Roadway Design
John L'Etoile – NDOT, Landscape & Aesthetics	Emilee Edginton – Jacobs
Phil Kanegsberg - NDOT	Chief Dave Cochran - Reno Fire Chief
Andrea Gutierrez - FHWA	Steve Lewis – AT&T
Eric Scheetz - TRFMA	Manville Strand – Jacobs Roadway Design
	Sara Going - RTC Multi-Modal

## DRC Members not in attendance:

Kerrie Koski - City of Reno, City Engineer	Chad Matty – FHWA, Bridge Engineer
Trina Magoon - City of Reno	Kayla Dowty - Tri Sage Consulting / CTWCD
Jessen Mortensen – NDOT Bridge	Bryan Heller – City of Reno
Joe Coudriet – City of Reno Hydraulics	Kelly Petersdorf – City of Reno
David Hutchinson - City of Reno Traffic	Travis Truhill - City of Reno, Maintenance
Chris Young – NDOT, Environmental	Ryan Bird – City of Reno

Raymond Eneiro - NDOT	Andrew Stanford - City of Reno, Operation & Maintenance
Becca Epstein – NV Energy, Gas	Benjamin Eide-Hughes - NV Energy, Electric
Tim Hendricks – City of Reno, Manager Street Maintenance	Jim Clarke - Jacobs
Dan Doenges – RTC Director of Planning	Calvin Black – Jacobs, Hydraulic Modeling
Clifford Cooper – AT&T	Jason Mortensen - Charter
Rex Dalen - Charter	Diann Detloff - Charter
Thomas Speer - TMWA	Jim Burke - Verizon
Steve Volk - TMWA	Phil Braum - Zayo
	Joe Couto - PSREC

**Attachments:**

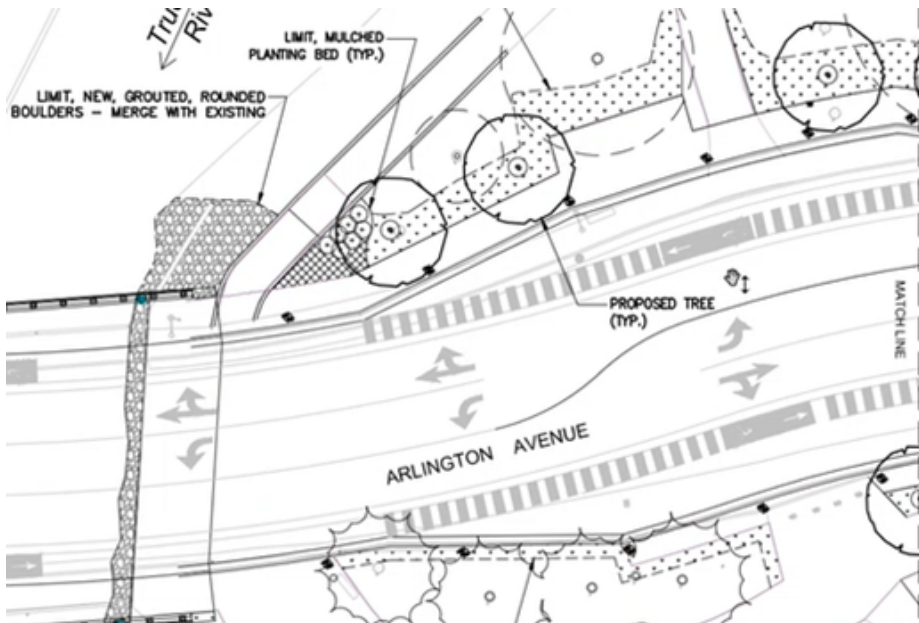
- Arlington Avenue Bridges Aesthetic Stakeholder Working Group #9 PowerPoint Slides

**Discussion Items**

1. Introduction
  - a. Judy Tortelli welcomed the group and started the design review meeting #9.
  - b. Judy Tortelli gave a brief update on the project. She stated that the design team is working on the 60% design and there is a big push to complete the US Army Corps of Engineers (USACE) Section 408 permit and submit by the end of the January, after the Pre-Application with the USACE on January 26.
2. Utilities Updates
  - a. Kaci Stansbury discussed the Bridge Typical Section. She explained that the conduit will go within the bridge girders. There will be eight NVE and four “future” conduits along the eastside and 12 communication conduits along the westside. There will be seven in the sidewalk for the City of Reno.
3. Environmental Updates
  - a. Laura Meyer provided an Environmental update:
    - i. NEPA Clearance
      1. Categorical Exclusions (CE): they are working on the technical reports for the CATEX. The CATEX will include supporting information to maintain recreational river access during construction and there will be sediment removal and channel recontouring near the North Bridge. Those changes will be added to the Project Description.
      2. Section 106 Historical report: the team is working on addressing NDOTs comments for the Section 106 Historical report. The updated deliverable should be submitted next week.
      3. Section 4(f): The team has been working with the City of Reno regarding questions about Wingfield Park and the White Water Park, as well as the Truckee River, the River Walk. The intent is to send the 4F letters for concurrence to the City of Reno.
      4. Section 7: they have received comments from the Fish and Wildlife and the team is working on comments.
    - ii. USACE Permits
      1. Geotechnical Work: the permit is being reviewed by the USACE.
      2. Project: there is a pre-application meeting scheduled for January 26<sup>th</sup>. They did receive clarification that the USACE can start the review of the Section 408 permit ahead of the NEPA clearance.
  - b. Questions
    - i. Judy Tortelli indicated that the Section 4(f) documents will need to be signed by the parks director and wondered who would sign them. Alex Wolfson said he would follow up on who would be authorized to sign on behalf of the vacant position. Theresa Jones said that there is an interim director that would be authorized to review and sign them.
4. Aesthetics Design Updates
  - a. Pergola
    - i. Kaci Stansbury reminded the group that City of Reno and this working group has agreed that aesthetically the pergola needs to be removed. She stated that they have coordinated with Khalil Wilson and are working on language that will be added to the plans and specifications that the pergola will be removed and salvaged and then given to the City of Reno.
  - b. Lighting
    - i. Kaci Stansbury conveyed to the group that the Selux ELO post top three stack option has been chosen as the lighting fixture and the team is currently conducting the lighting analysis. The mounting height will be 14-ft for the custom column lights at the north bridge overlooks, and 12-ft mounting height at the four end pylons of each bridge.
    - ii. Barb Santner said that they are recommending a 14-ft mounting height along Arlington Avenue through the park. Barb

Santner stated that they might need to move the trees based on the photometric analysis.

- iii. Judy Tortelli asked for clarification about the location of tree behind the existing sidewalks. Barb Santner confirmed the trees would be behind within the park turf.



## 5. Roadway Design Updates

### a. Island Ave/Arlington Pedestrian Crossing Design

- i. Kaci Stansbury gave an overview of the roadway design and turning movements. She presented and discussed the modeling for existing conditions and during construction at the intersection for passenger cars, “single unit 40 truck”, “single unit 30 truck” and fire trucks. Judy Tortelli asked if the team would be asking for a design exception. Kaci Stansbury said that would be up to the City of Reno. Khalil Wilson stated that the City of Reno would like to research the turning movements for this intersection. He asked for an “official submittal” from Jacobs that include the exhibits and turning movements so they can evaluate the location. Reno Fire Chief Dave Cochran agreed and asked to be included on the submittal review. [Kaci Stansbury agreed that Jacobs will submit the analysis for the turning movements at Island Ave/Arlington to the City of Reno & Fire Department.](#)
- ii. Alex Wolfson asked if the curbs would be rounded so that if trucks cut the corner, they will not tear up the curb or gutter. Kaci Stansbury said that the curbs are the vertical curve, Standard Type 1. Judy Tortelli said that the team should investigate doing a roll type curb on the west side. Kaci Stansbury agreed and will research.
- iii. Alex Wolfson wanted to ensure the push buttons for the crosswalks are far back in case drivers cut the corner. Kaci Stansbury confirmed the design has them a safe distance from the curb.
- iv. Alex Wolfson asked if the valley gutter on the east side of the Island/Arlington intersection would be put back on the final design? Kaci Stansbury stated the team is still working on the logistics of the final design. Alex Woldson cautioned that the configuration present has the cross walk/ pedestrian route going towards that gutter. Kaci Stansbury said they will take that suggestion into consideration while working on the grading and design.

### b. Maintenance/Access Ramp

- i. Kaci Stansbury discussed and presented the updated design for the Maintenance/Access Ramp. She said the design would impact some trees and they will need to add a wall. Once the design is done, the hydraulics team will run some hydraulics modeling. Judy Tortelli asked what type of wall would be used for the design. Kaci Stansbury responded the wall will be just enough to get the proper elevation. Barb Santner asked if it would be possible to use a grouted bolder stack wall instead of a vertical wall to match the aesthetics of the kayak park. Kaci Stansbury said the team will investigate the options.

## 6. Schedule Update

- a. Kaci Stansbury said the 60% will be submitted on March 10, 2023. There will be a 3-week review period for the agencies.

## 7. Public Meeting

- a. Judy Tortelli reported that there will be a Public Meeting at the end of March. She said the intent of the meeting is to present the updated design based on the community’s input.
- b. Judy Tortelli said that at the next Design Review Committee meeting the team will discuss the material for the lighting and color for concrete. Judy Tortelli reiterated that the recommendation for the materials and design features is low maintenance for the City of Reno.
- c. [The next DRC meeting will be held on February 14<sup>th</sup>. Presentation materials will be sent out ahead of time on Friday, February 10<sup>th</sup>.](#)

Meeting started at 1:00 PM

Meeting Adjourned at 1:40 PM

# Design and Environmental Study For

## ARLINGTON AVENUE BRIDGES REPLACEMENT



Design Review Committee Meeting #9 | January 10, 2023

# Purpose of Today's DRC Meeting:

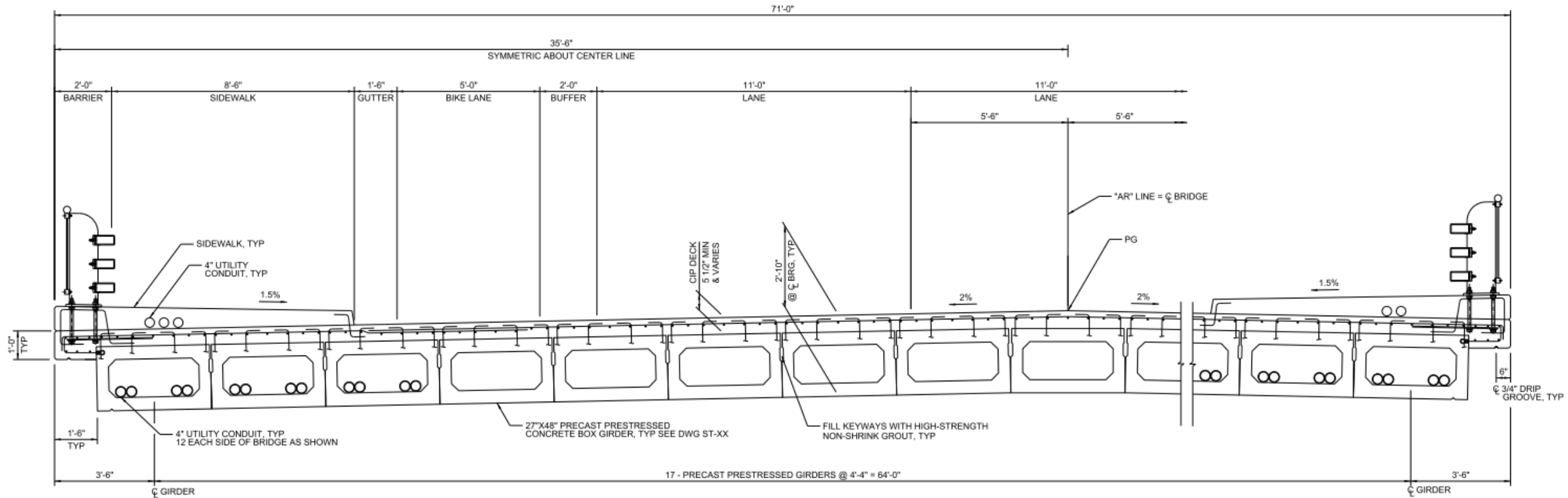
- ✓ Utility Updates
- ✓ Environmental Updates
- ✓ Aesthetics Design Updates
- ✓ Roadway Design Updates
- ✓ Schedule
- ✓ Open Questions/Discussion



# Utilities



# Bridge Typical Section



8-NVE and 4-‘Future’ along East side (main transmission line across north bridge)

12 - Communication Conduits along west side (2 Zayo, 2 Charter, 8 AT&T)

City of Reno facilities w/in Sidewalk West: 1 Dom H<sub>2</sub>O, 1 IRR H<sub>2</sub>O, 1 Comm; East: 1 Dom H<sub>2</sub>O, 1 IRR H<sub>2</sub>O



# Environmental Update



# Environmental Update

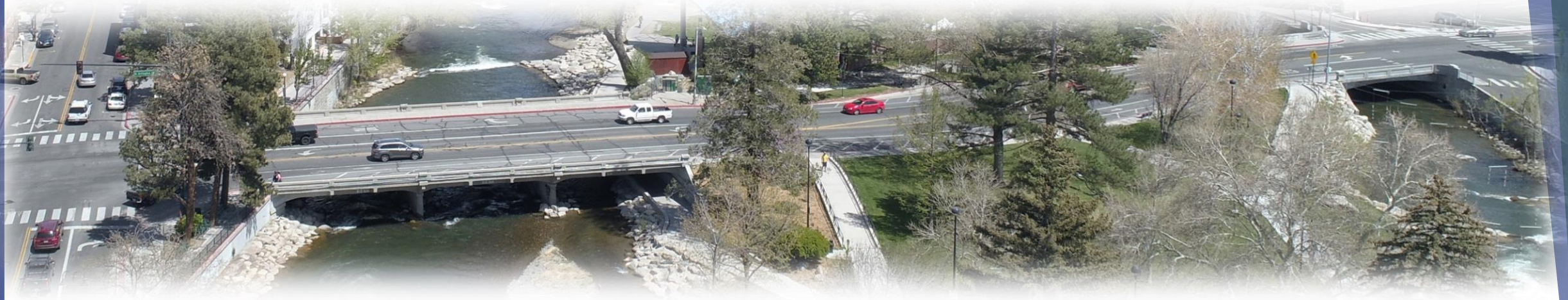
## NEPA Clearance

- ▶ FHWA agreed to provide NEPA clearance ahead of permits
- ▶ All technical memos supporting the CE being revised to reflect:
  - ▶ Recreational river access maintained during construction
  - ▶ Sediment removal and channel recontouring near the north bridge
- ▶ **Section 106:** addressing NDOT comments on Historic Report
- ▶ **Section 4(f):** preparing de minimis and temporary occupancy letters for City of Reno concurrence
- ▶ **Section 7:** responding to USFWS questions on BA

## USACE Permits

- ▶ Geotechnical Work
  - ▶ Section 408 permit currently being reviewed by USACE
  - ▶ Section 404 permit to be submitted when Section 7 is complete
- ▶ Project
  - ▶ Section 408 permit preapplication mtg with USACE and CTWCD on Jan 26
  - ▶ USACE clarified that review can proceed ahead of NEPA clearance
  - ▶ Section 404 permit to be submitted later in design process.

# Aesthetic Updates



# Riverwalk Impacts

## Riverwalk Impacts

South Bridge Riverwalk Impacts



### Language in Plans and Specifications:

Pergola to be removed and salvaged and provided to the City of Reno.

*Kaci to coordinate with Barb and ASWG for language to provide City of Reno -why aesthetically and constructability-wise the pergola must be removed.*

# Pylon / Custom Lighting Design Progress

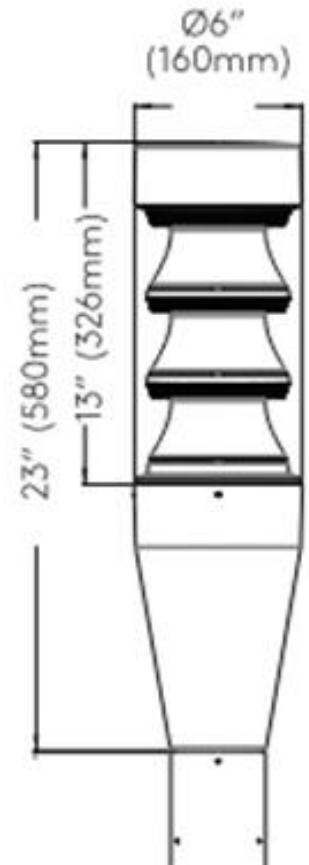


# Lighting/Aesthetic Update

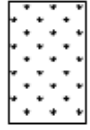

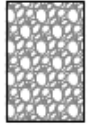






Pedestrian Scaled / Post Top Light  
Selux ELO Post Top, 3-stack option

Fits into the custom column light housing for bridges

Use w/Fixture used in S. Virginia MidTown - but at 14' mounting height  
along Arlington~ 30' spacing alternating with trees



**KEY**

-  TURF AND IRRIGATION
-  GROUNDCOVER/ PERENNIALS AND IRRIGATION
-  GROUDED ROUNDED BOULDERS
-  EXISTING TREE TO BE PRESERVED
-  NEW MAJOR TREE
-  NEW SHRUB
-  NEW SHRUB MASS
-  NEW PYLON LIGHT
-  NEW POST TOP LIGHT

ISLAND AVENUE

Truckee River

LIMIT, TURF AND IRRIGATION REPLACEMENT (TYP.)

LIMIT, MULCHED PLANTING BED (TYP.)

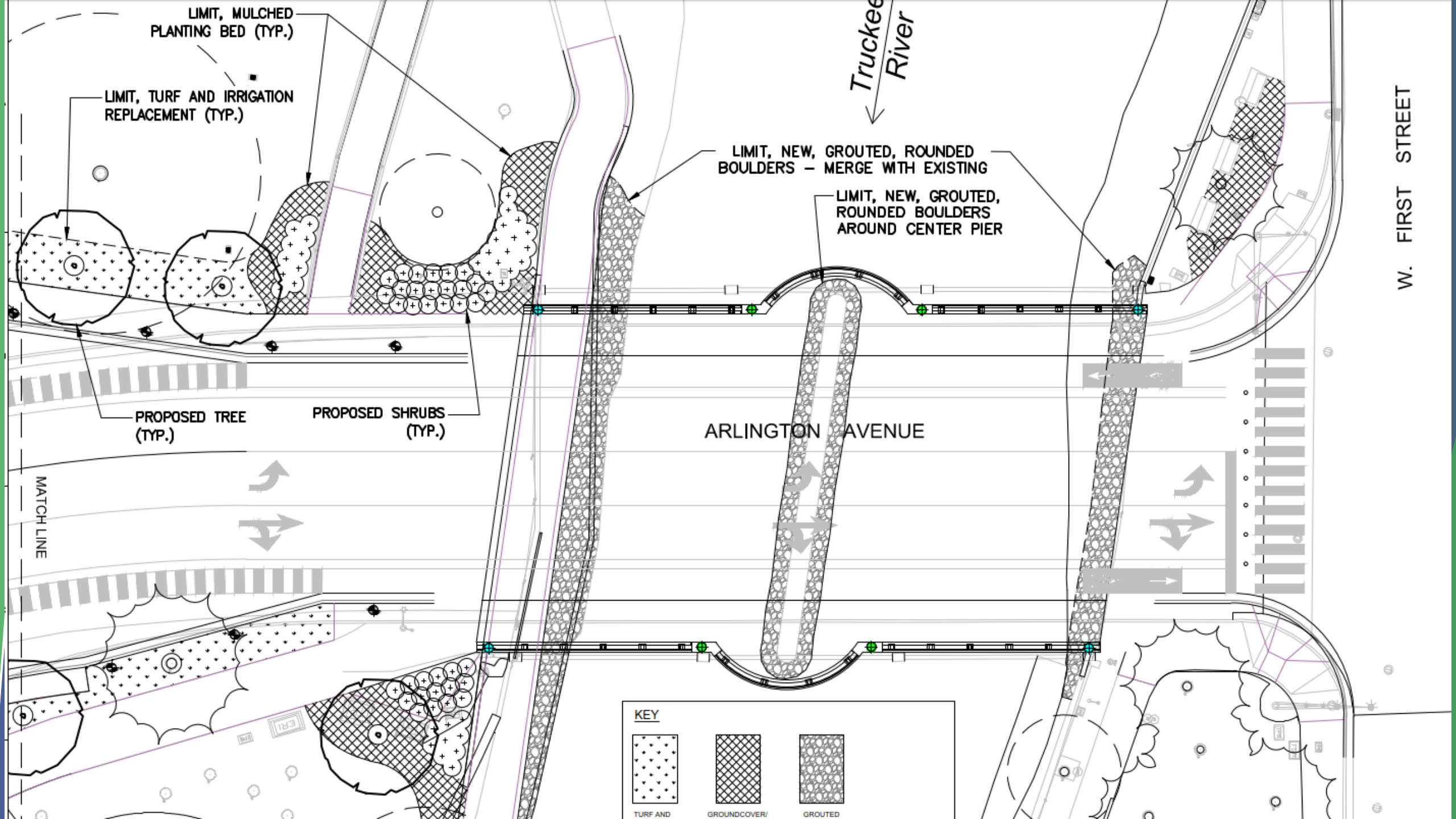
LIMIT, NEW, GROUDED, ROUNDED BOULDERS - MERGE WITH EXISTING

PROPOSED TREE (TYP.)

ARLINGTON AVENUE

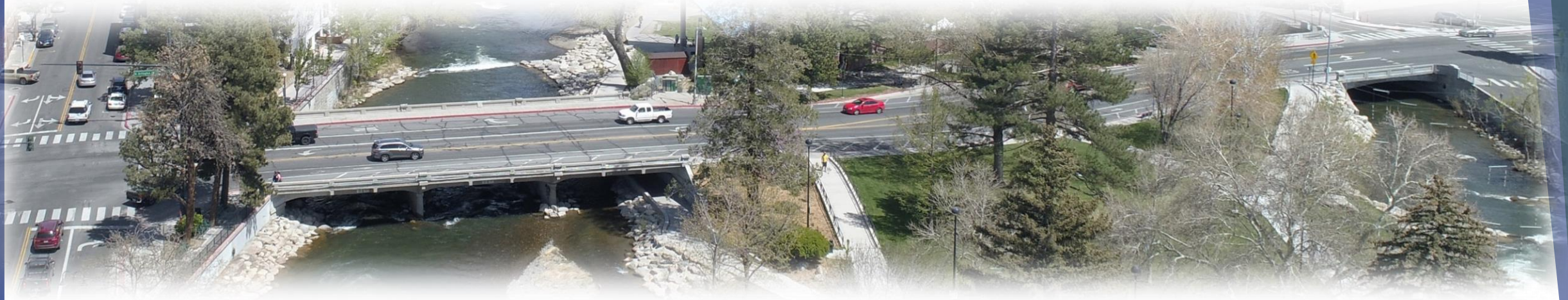
MATCH LINE

LIMIT, TURF AND IRRIGATION REPLACEMENT (TYP.)





# Roadway Updates

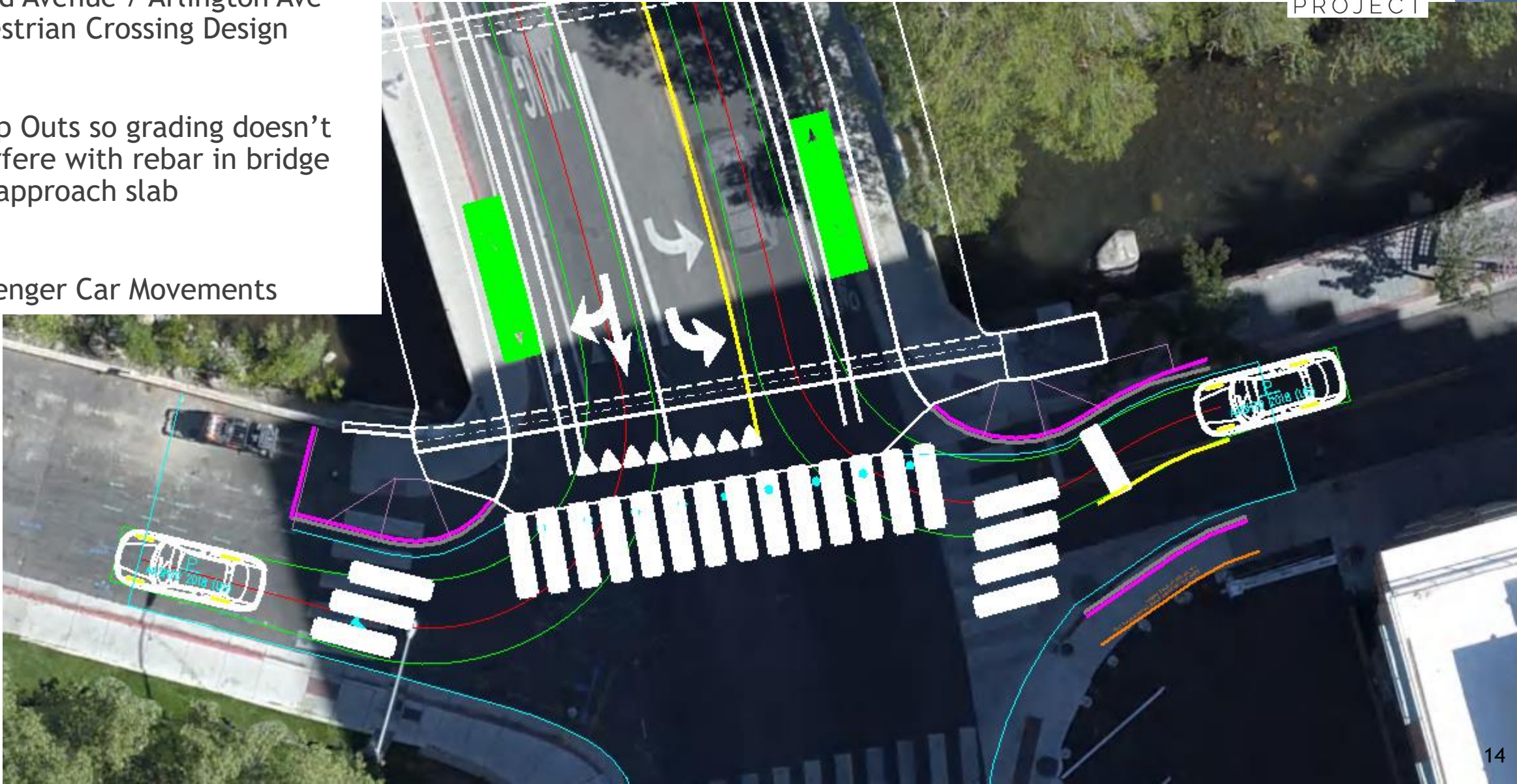


# Roadway Design Updates

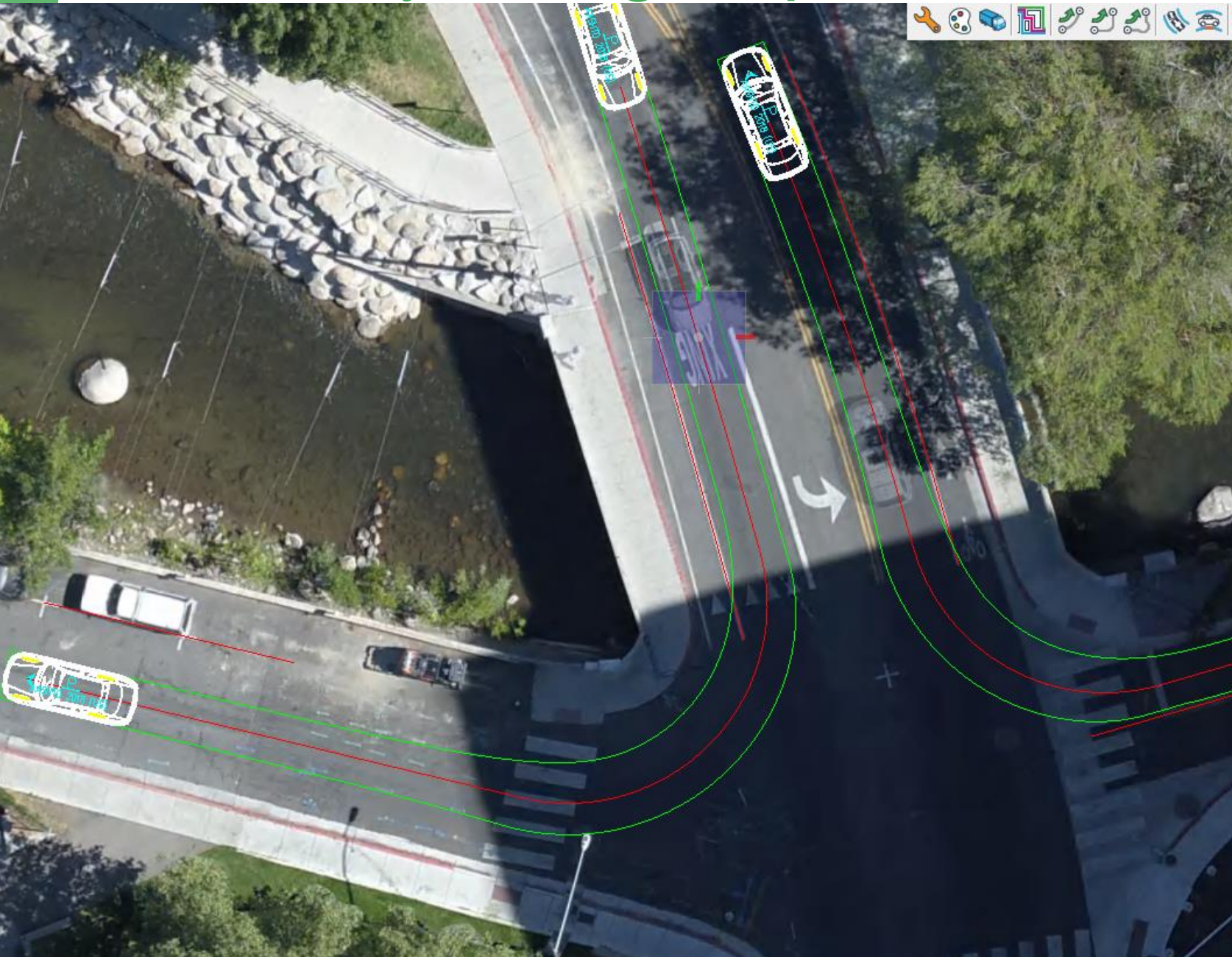
Island Avenue / Arlington Ave  
Pedestrian Crossing Design

Bump Outs so grading doesn't  
interfere with rebar in bridge  
and approach slab

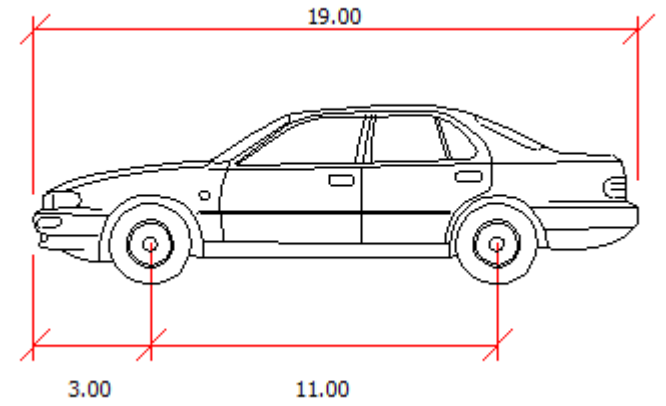
Passenger Car Movements



# Roadway Design Updates

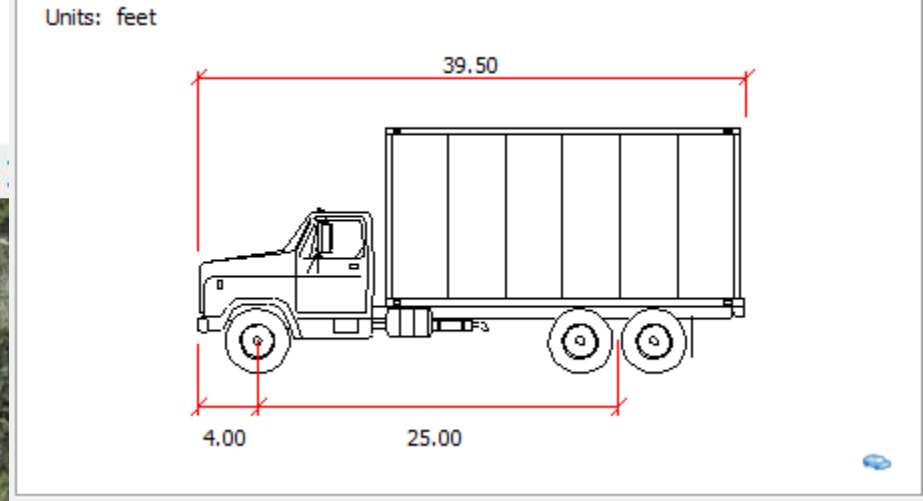
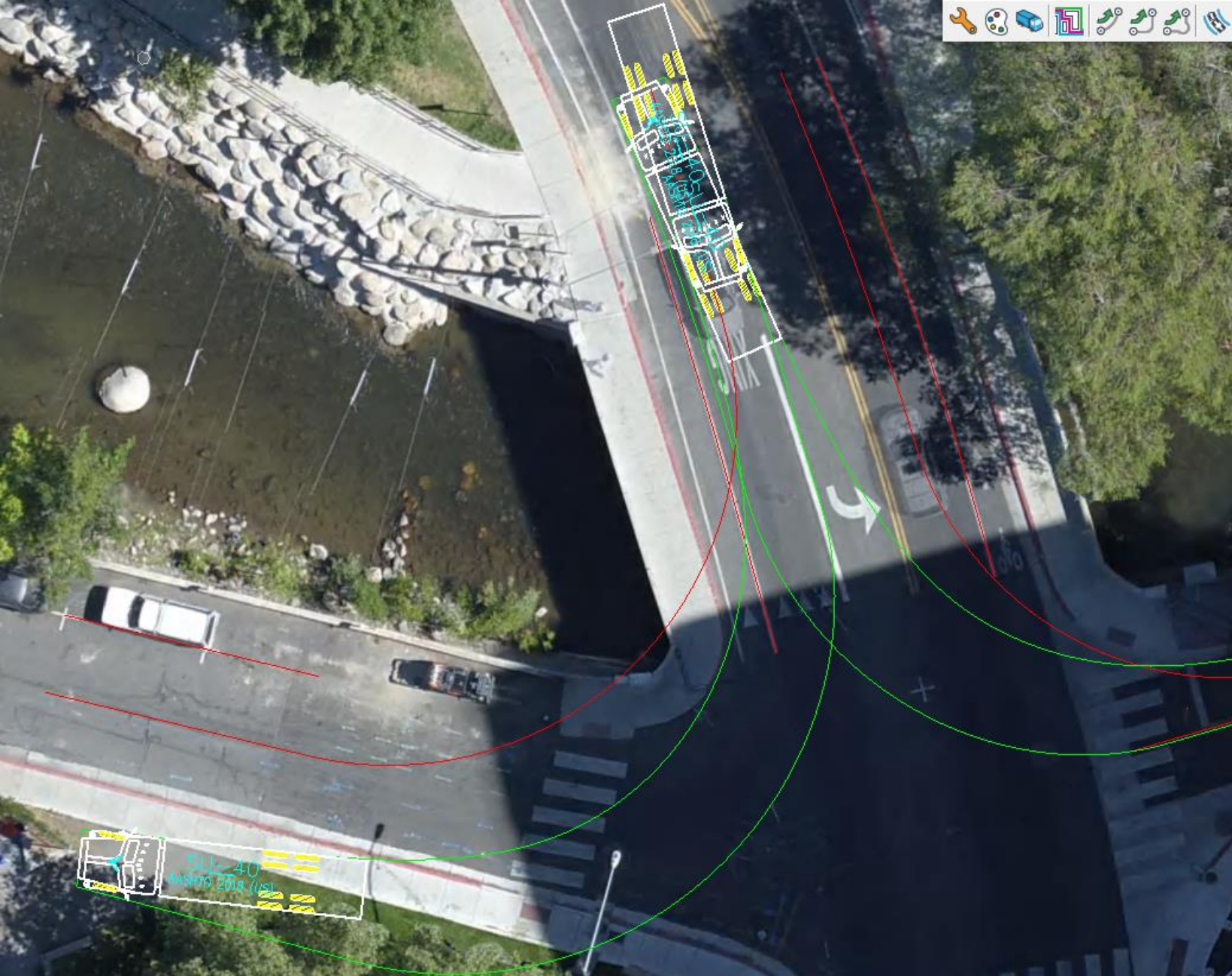


Units: feet



Create Compl...  
Method: Manual  
Max Gap: 0.0002  
 Simplify geometry

# Roadway Design Updates

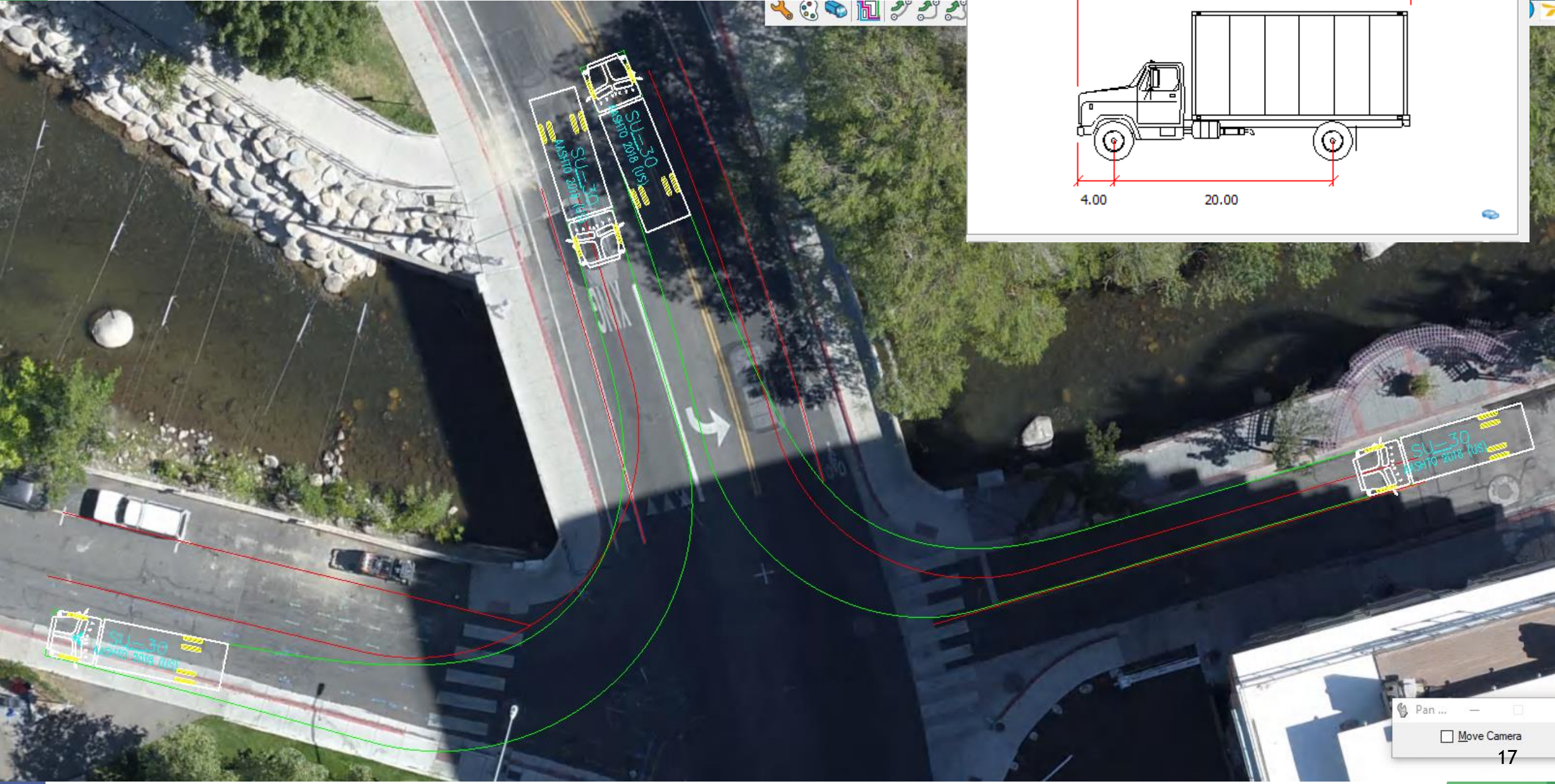


Mov...

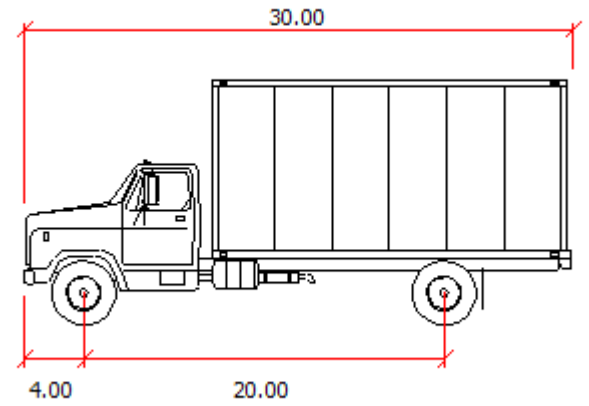
Use Fence: Inside

A software interface snippet showing a "Mov..." button and a "Use Fence: Inside" dropdown menu.

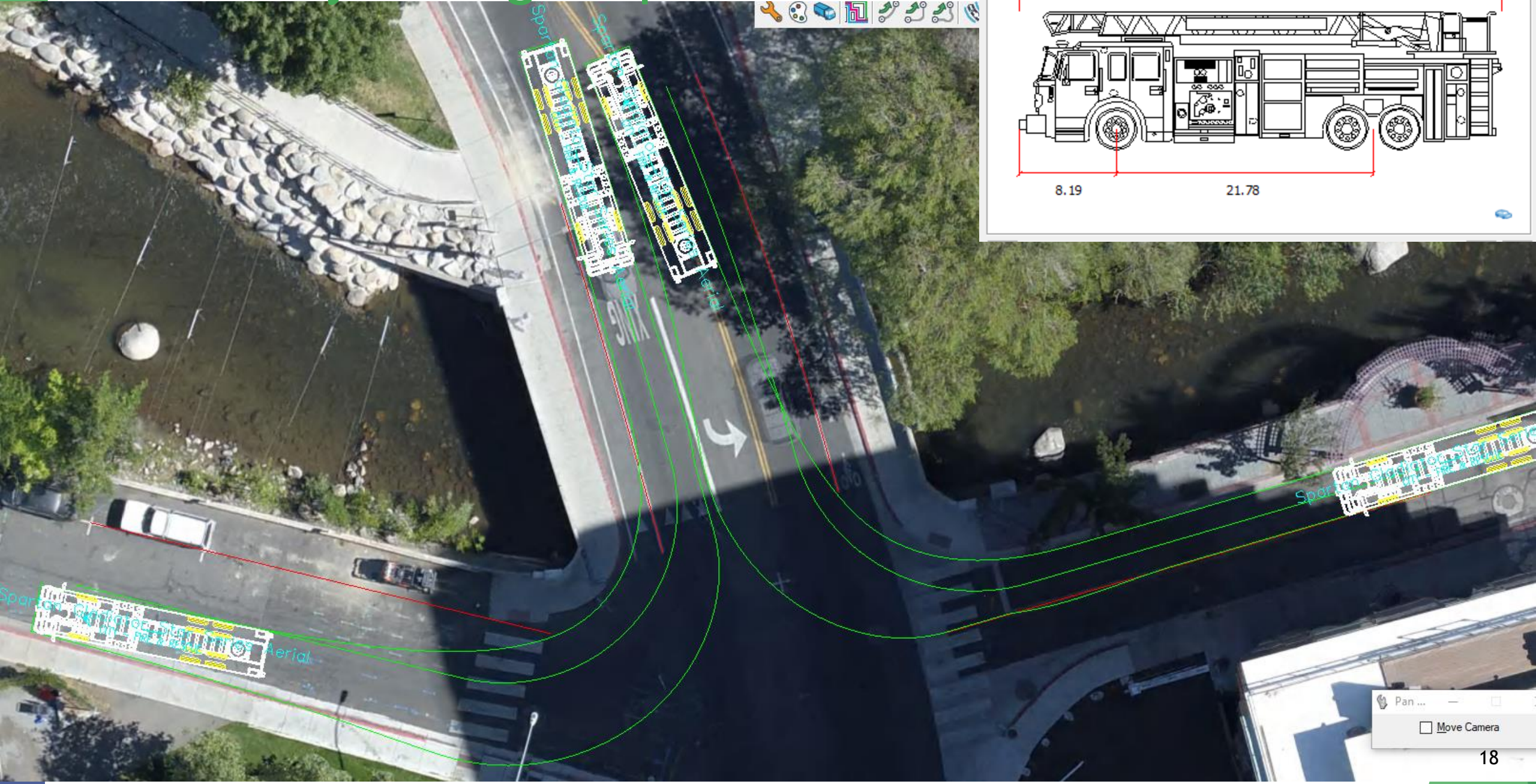
# Roadway Design Updates



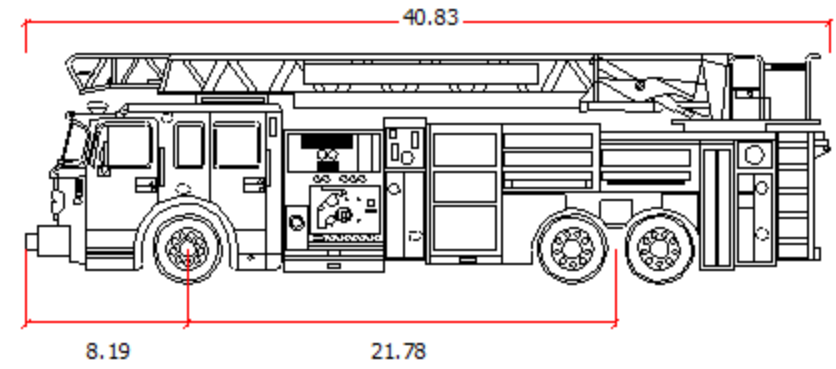
Units: feet



# Roadway Design Updates

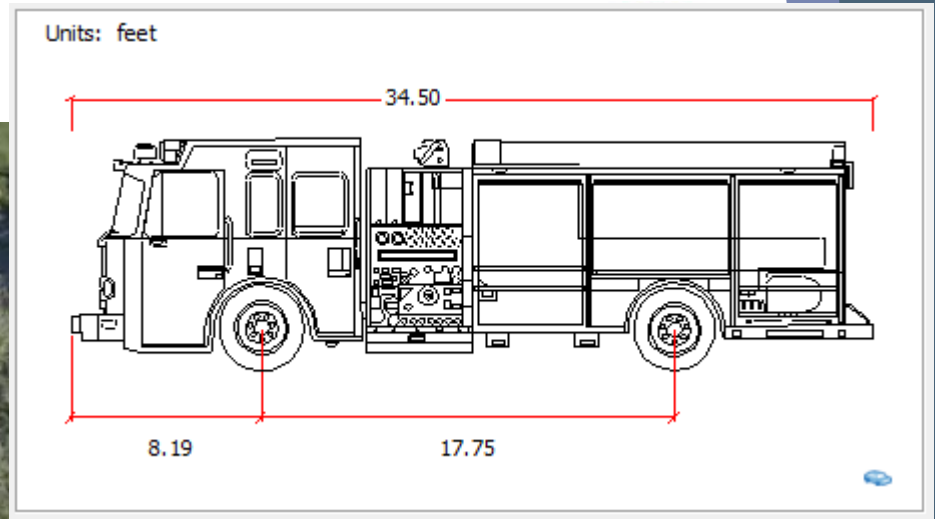
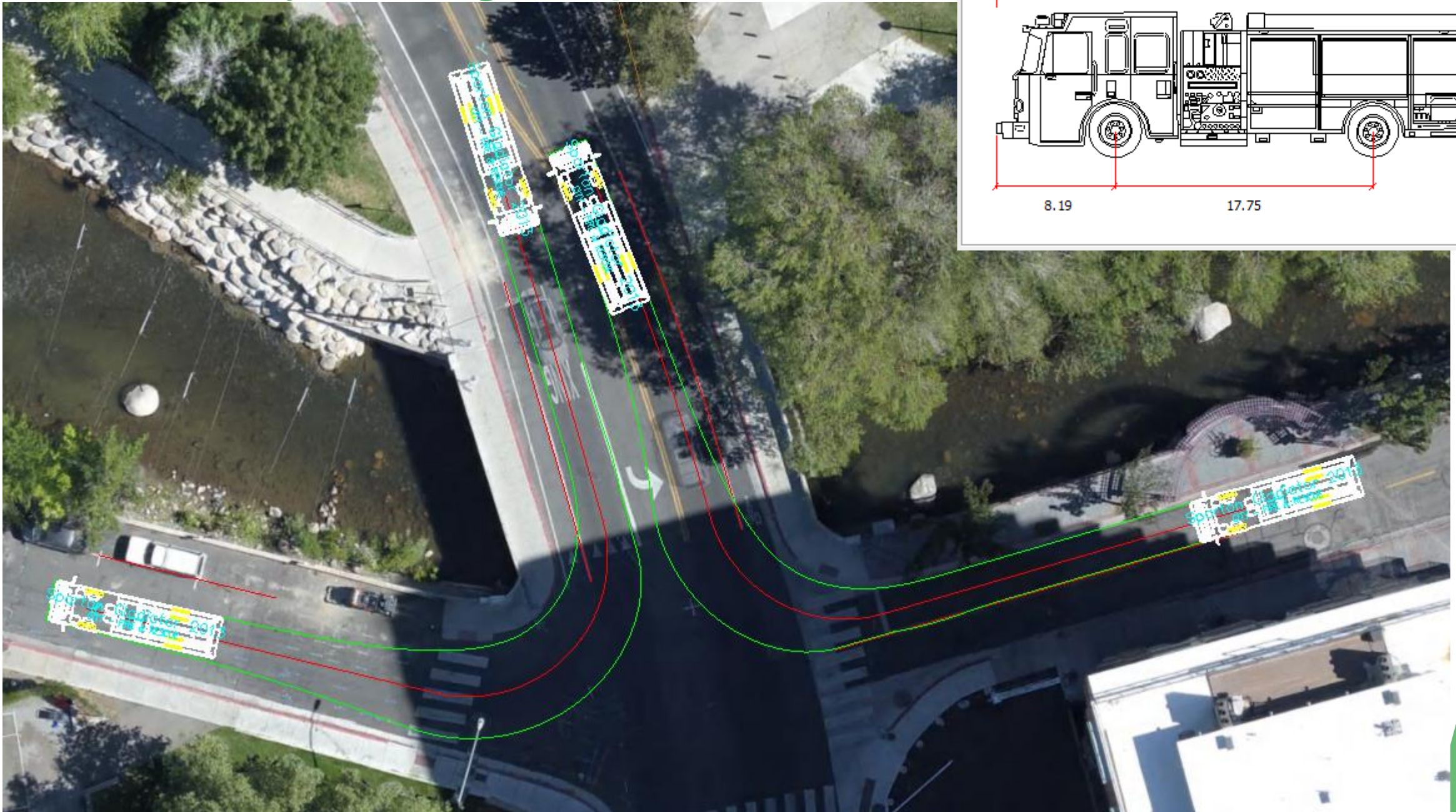


Units: feet

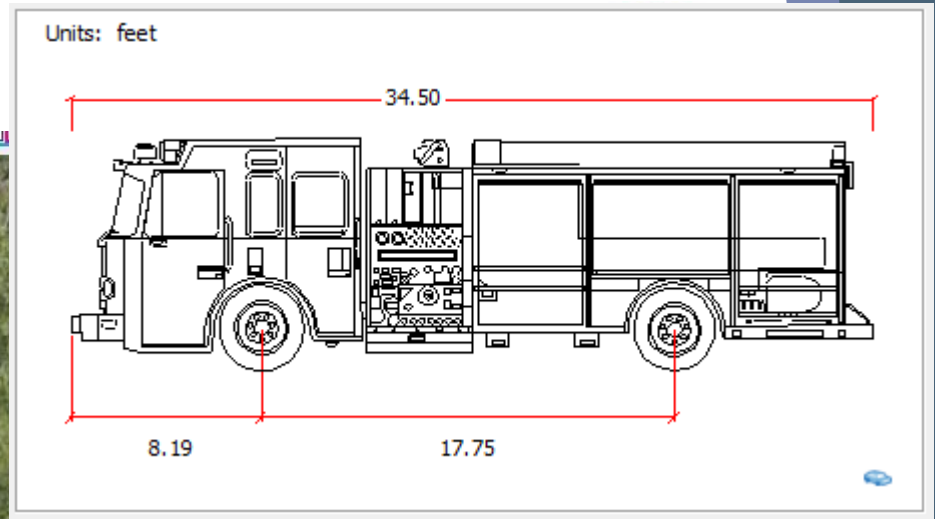
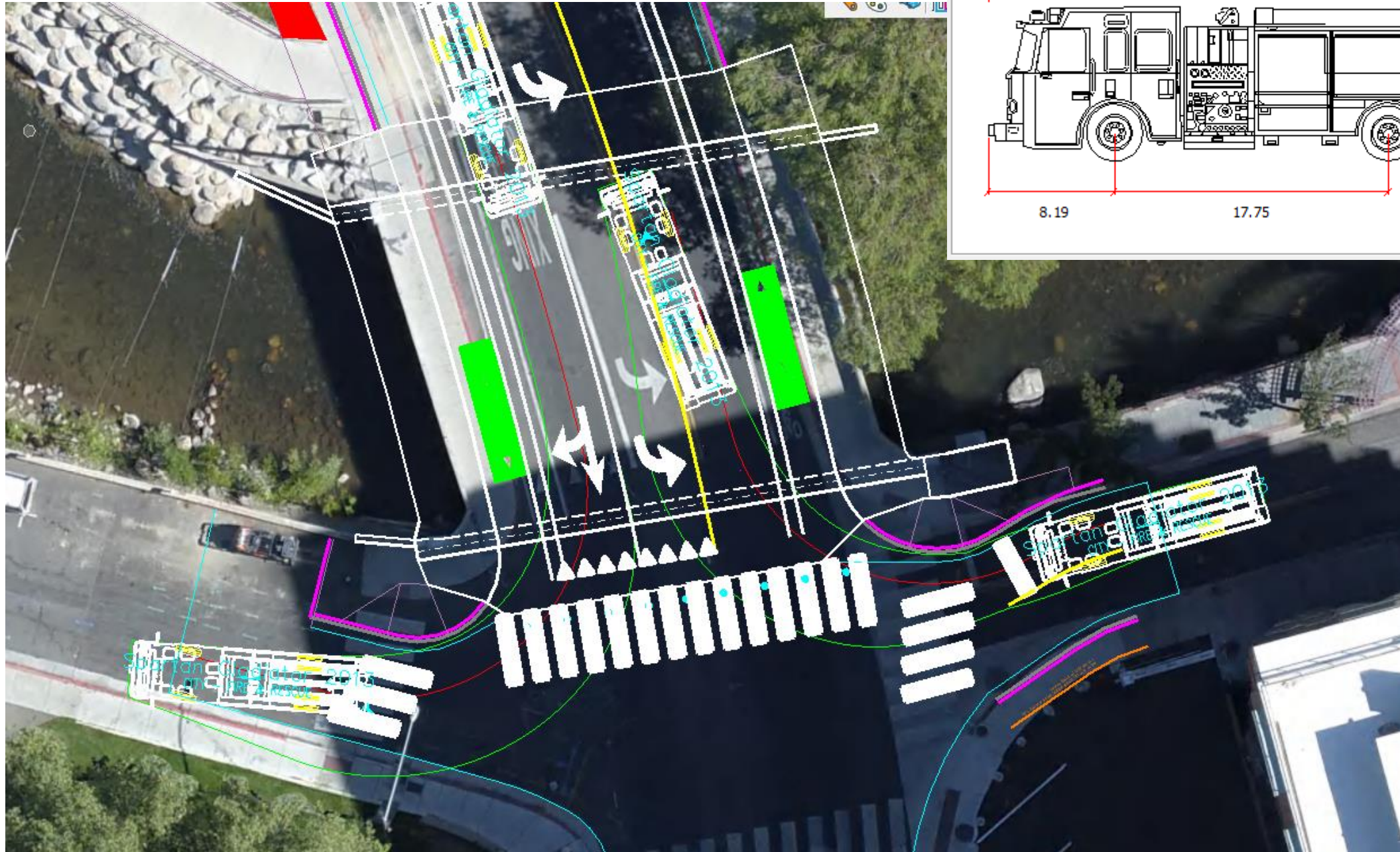


Pan ...  
 Move Camera

# Roadway Design Updates



# Roadway Design Updates





# Roadway Design Updates



## Layers and Tools

### Map Layers

Layers Legend List

Additional Layer Settings

Layer Search

fire

### Fire Districts

Fire Response

Fire Stations

### Active or Recent Fires

### Fire Risk Rating

### Quick Map:

Restricted Areas for Firearms

### Quick Map:

Fire Hazard

reset

### Districts & Zones

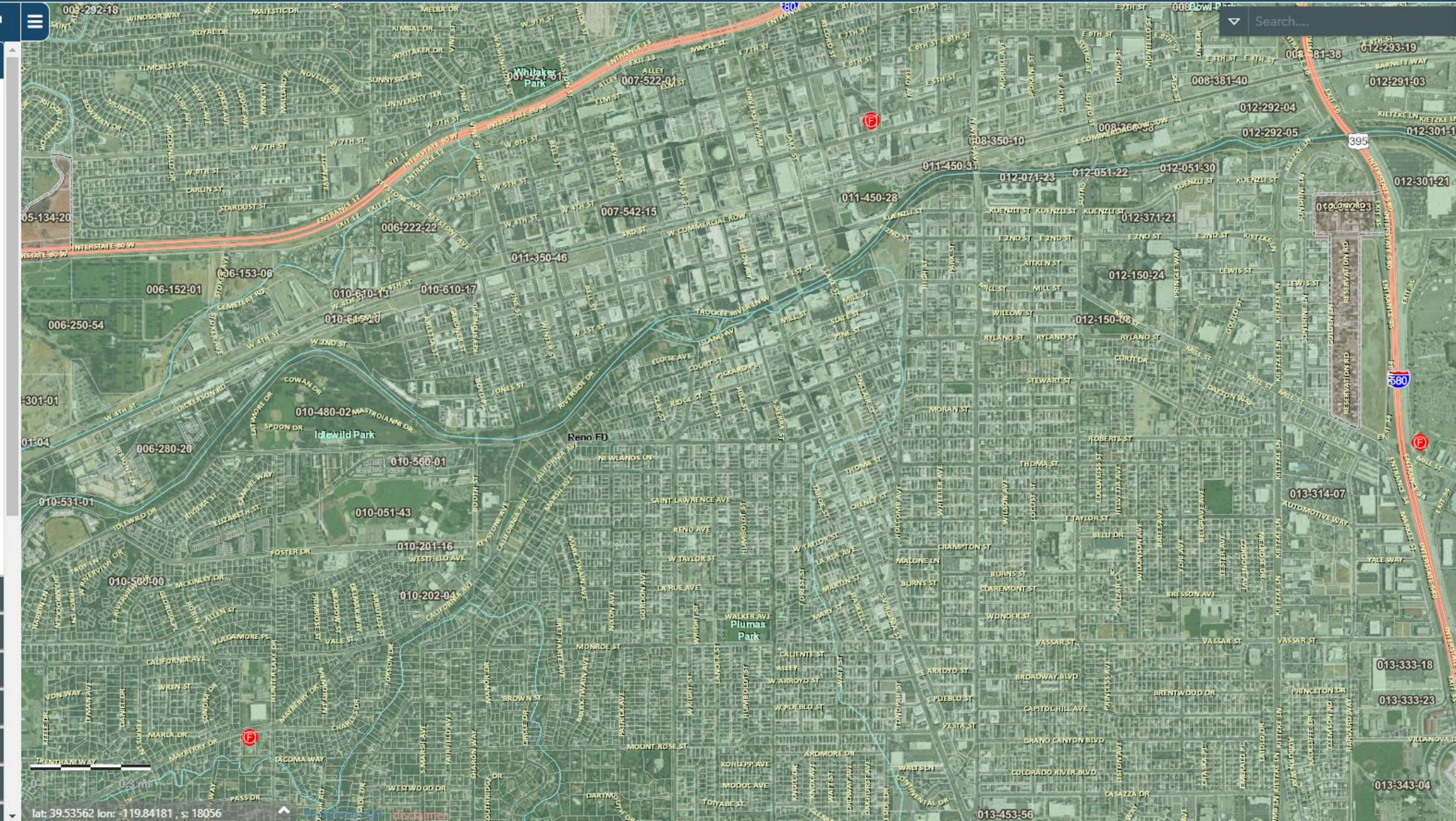
### Facilities

### FEMA - Flood Data

### Fire Perimeters

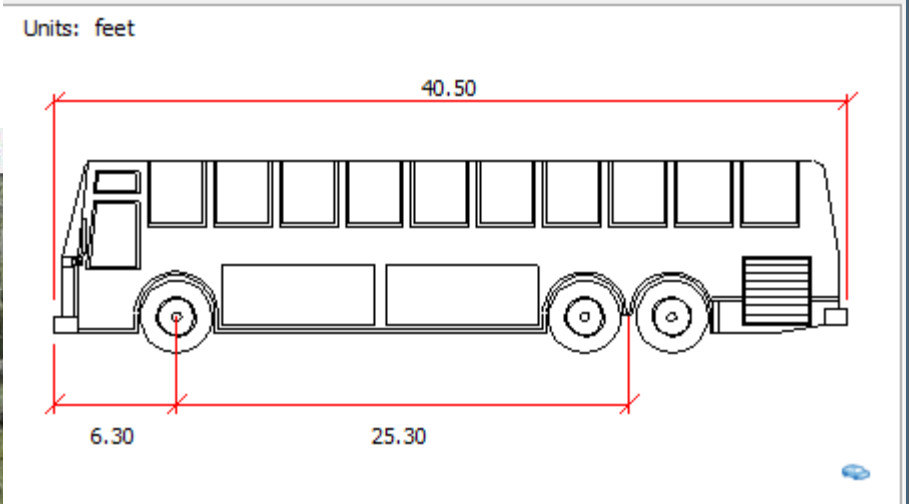
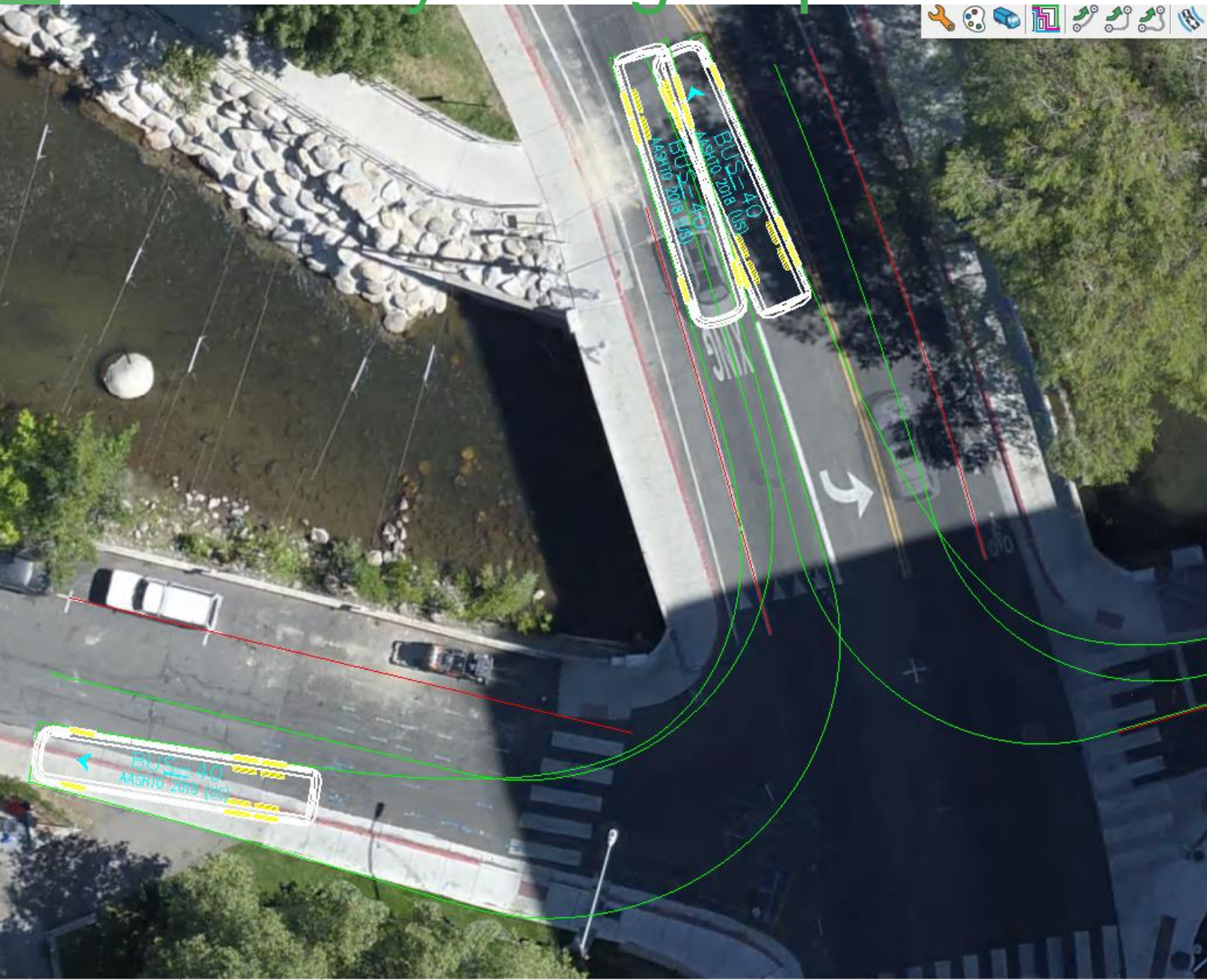
### Imagery

### Planning & Development



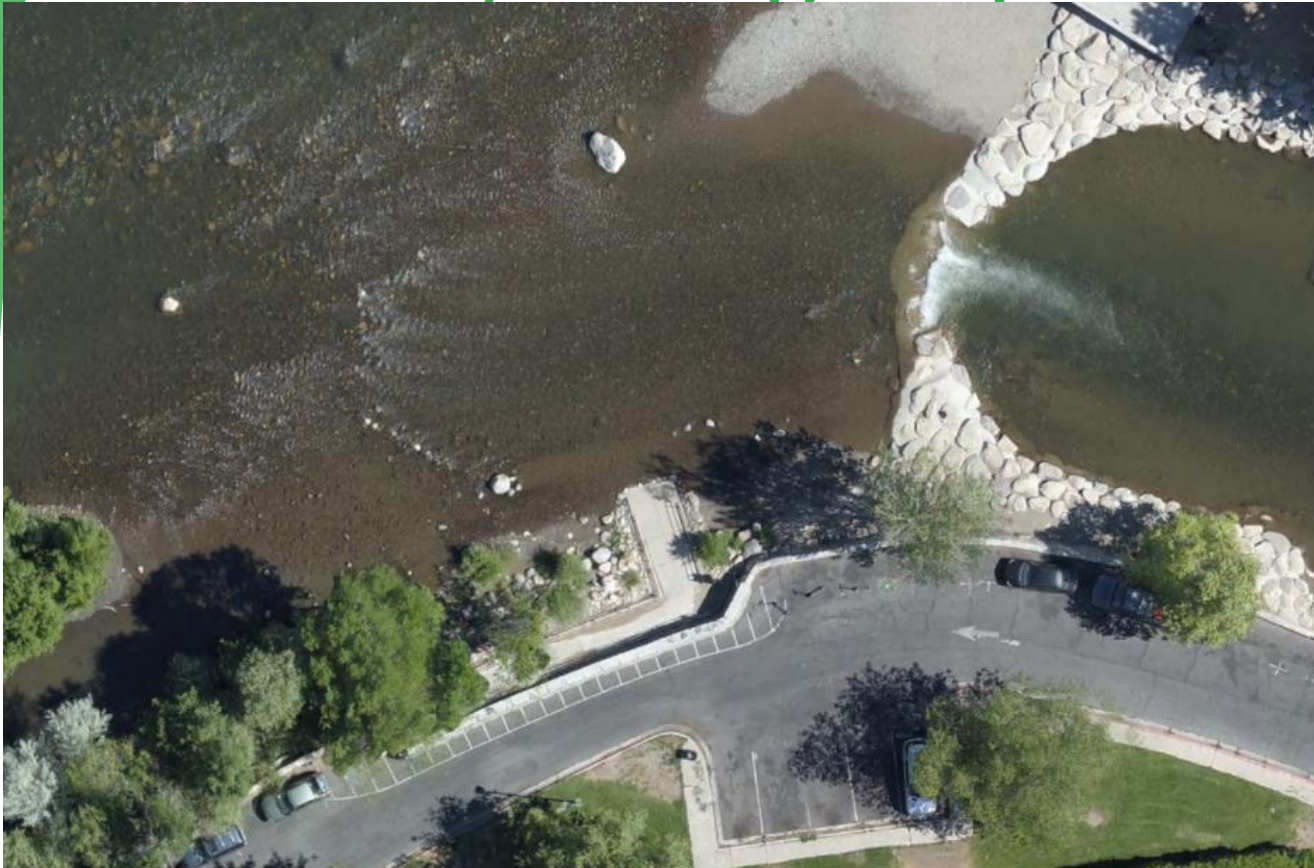
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# Roadway Design Updates



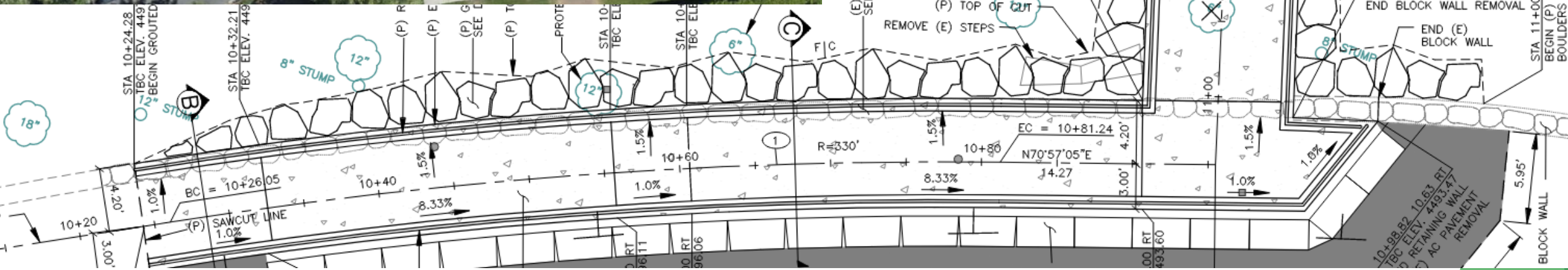
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# Roadway Design Updates

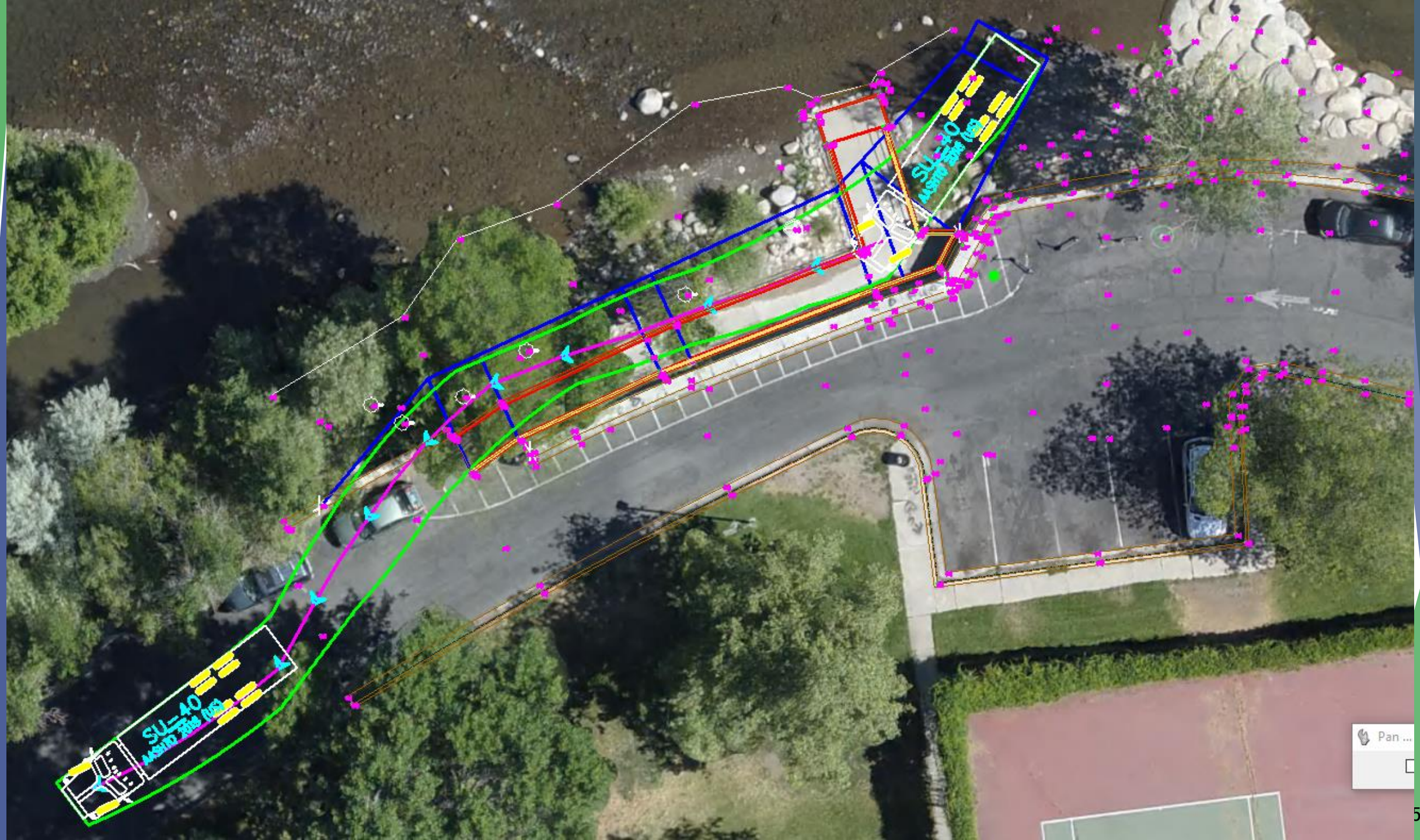


## Maintenance/Access Ramp

Existing Ramp Constructed in 2004 (predating the 2010 ADA code)







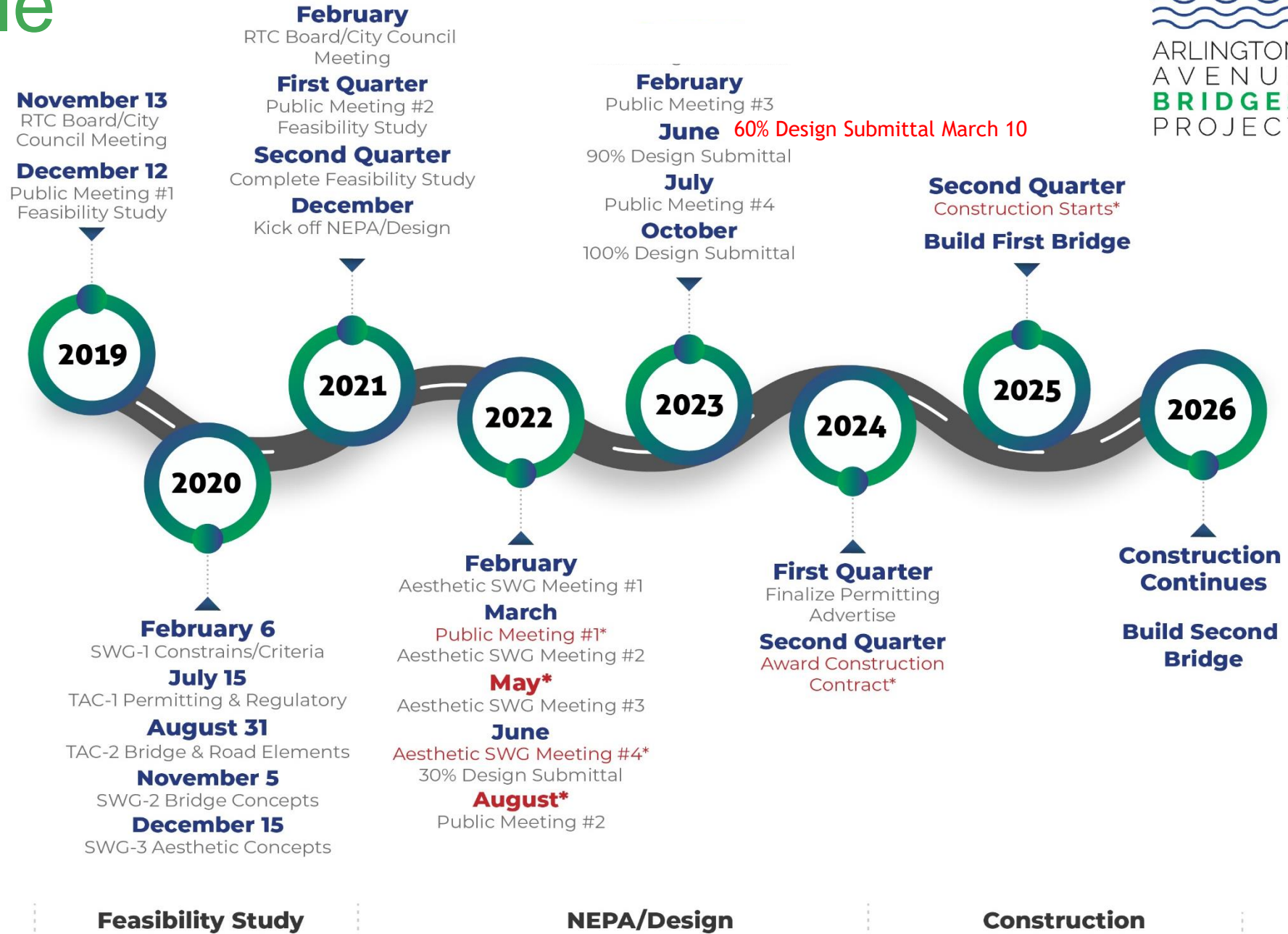
Pan ...



# Roadway



# Schedule

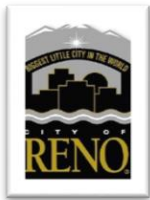


\* Schedule changes highlighted in red



# Thank You for Participating!

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*Building A Better Community  
Through Quality Transportation.*  
[rtcwashoe.com](http://rtcwashoe.com)



PK Electrical, Inc.

