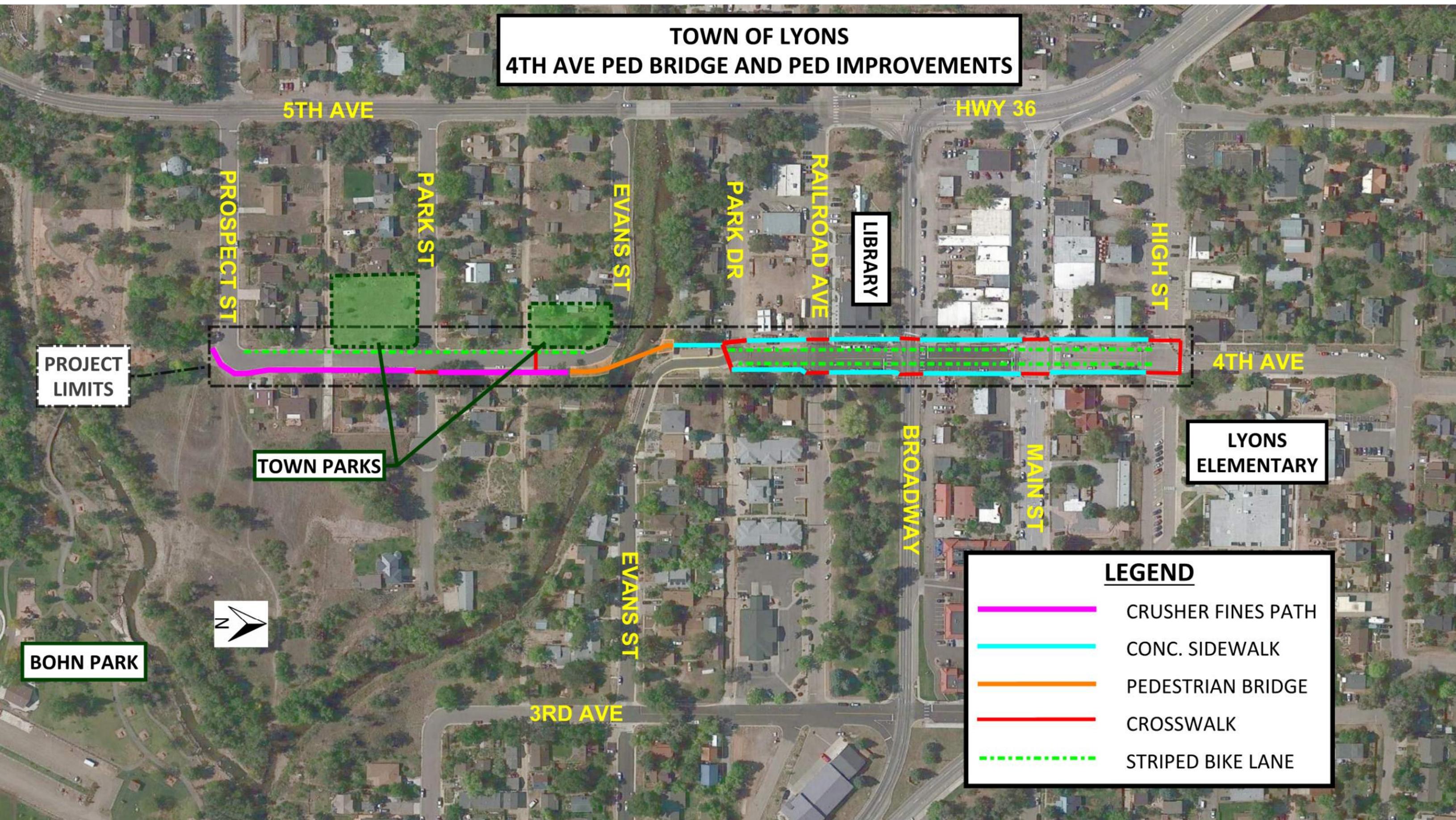


# 4<sup>th</sup> Avenue Pedestrian Bridge A Colorado Safe Routes to School Project

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**TOWN OF LYONS**  
**4TH AVE PED BRIDGE AND PED IMPROVEMENTS**



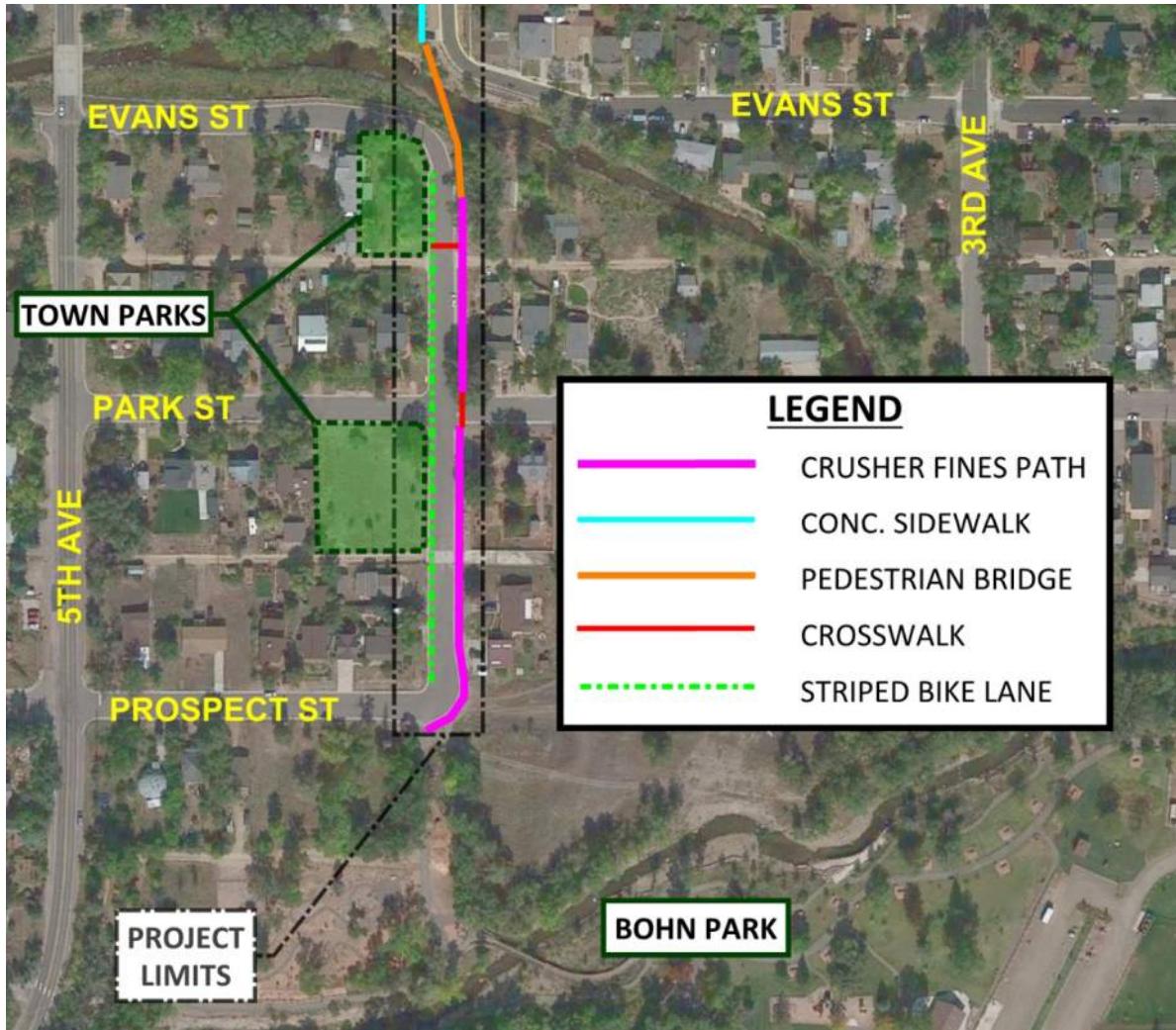


Proposed improvements north of St. Vrain Creek

# Project Goals

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- Encourage children to safely walk and bike to school
- Reduce risk of injury to all pedestrians
- Provide connectivity between the Town's public schools and different neighborhoods, especially parts of town separated by St. Vrain Creek

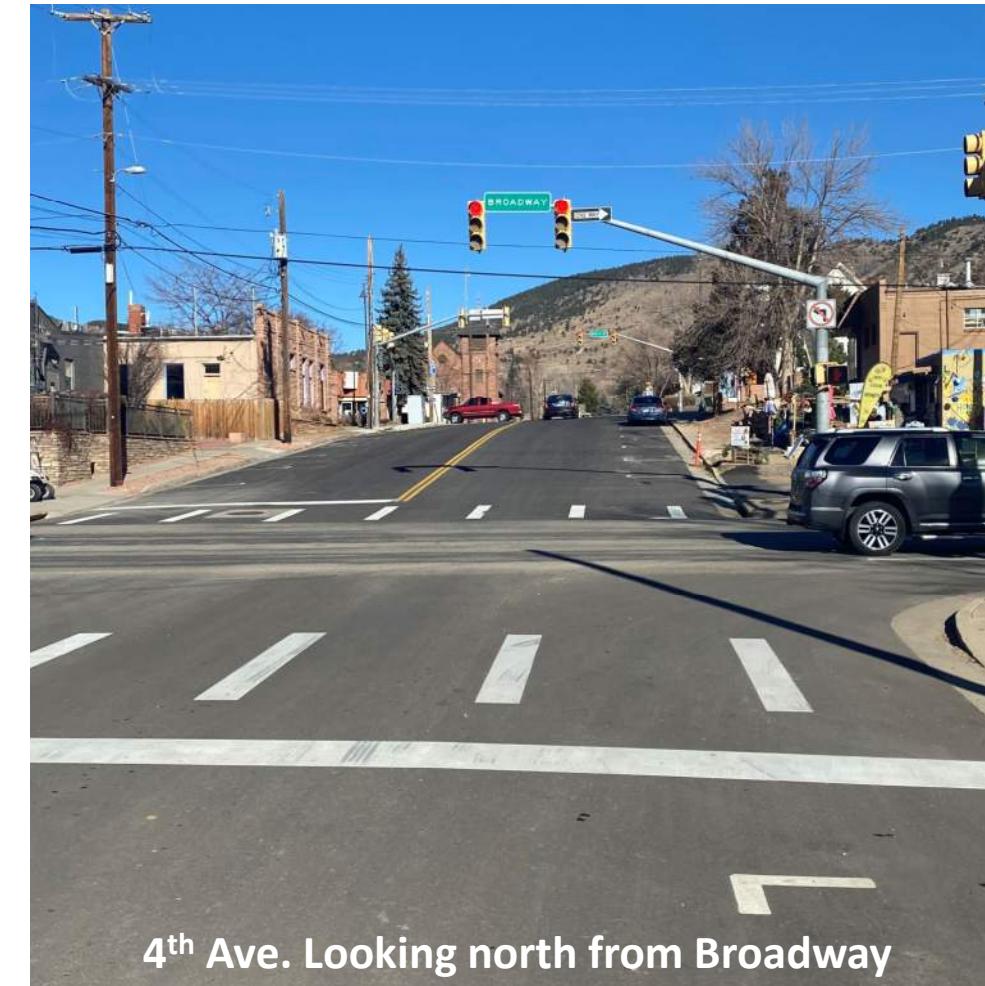


Proposed improvements south of St. Vrain Creek

# Project Goals

- Encourage children to safely walk and bike to school
- Reduce risk of injury to all pedestrians
- Provide connectivity between the Town's public schools and different neighborhoods, especially parts of town separated by St. Vrain Creek

# Current Conditions Along 4th Ave



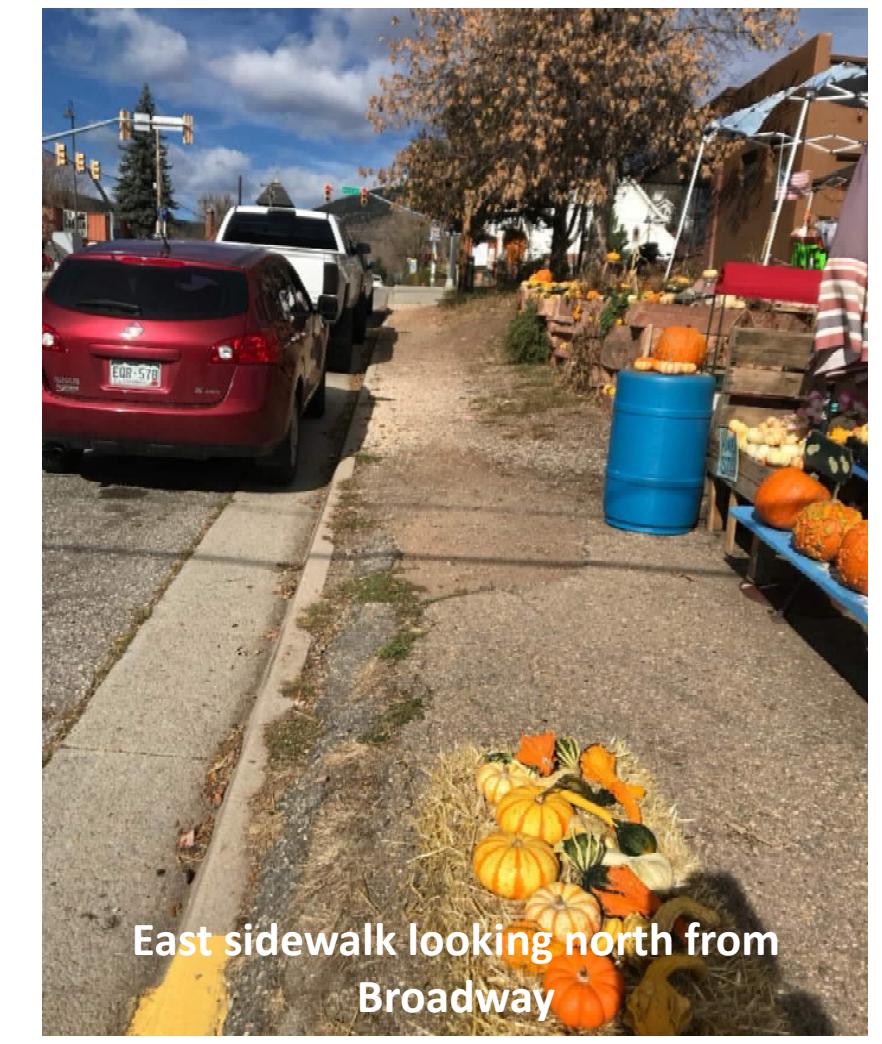
4<sup>th</sup> Ave. Looking north from Broadway



East side of 4<sup>th</sup> Ave. looking north from  
alley between Prospect St. and Park St.



Intersection of 4<sup>th</sup> Ave and Park Dr.  
looking north



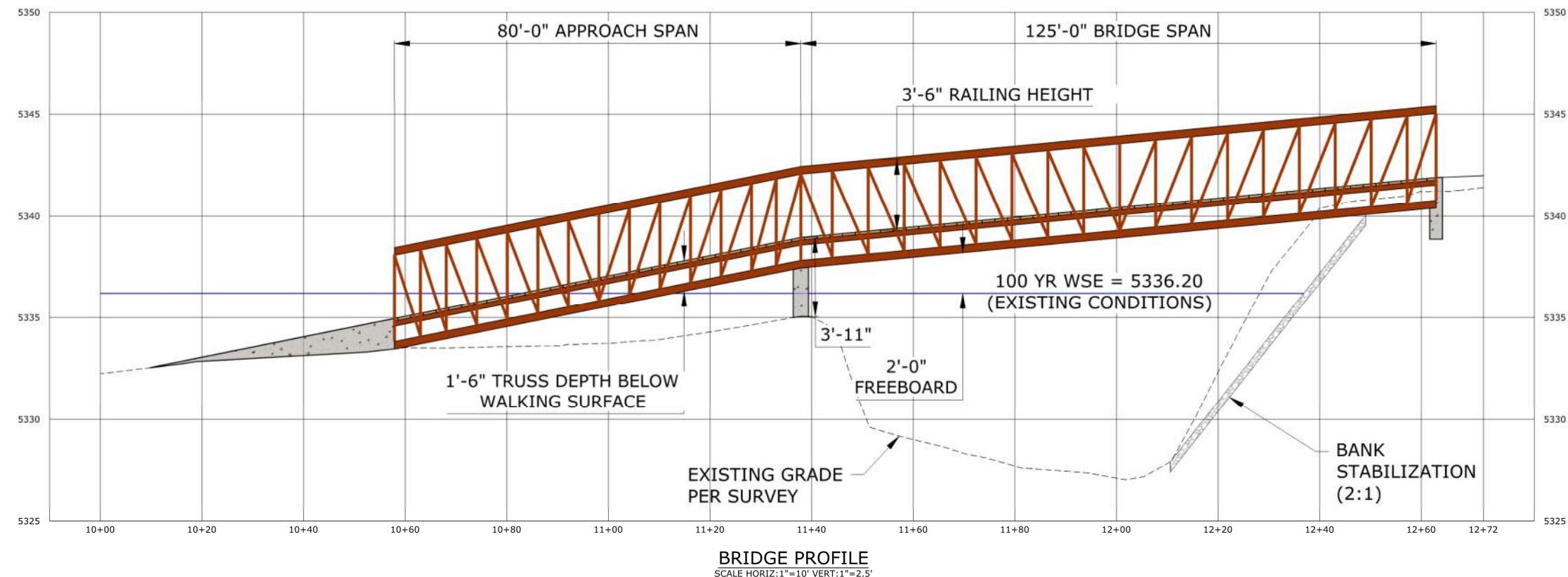
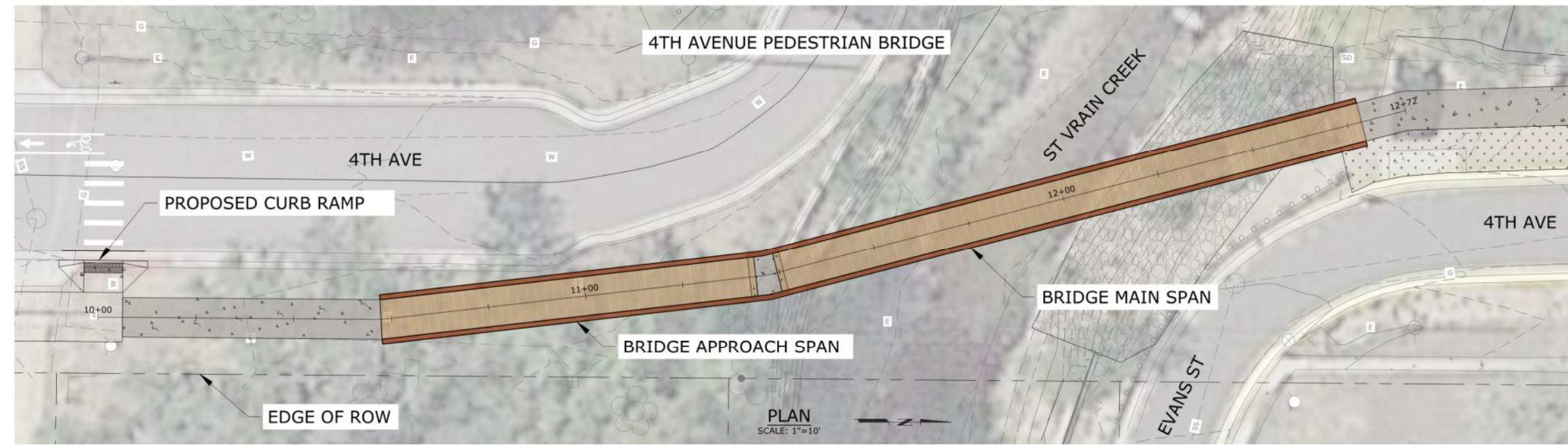
East sidewalk looking north from  
Broadway

# Prefabricated Pedestrian Bridge

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- 120' long, 8' wide bridge, 4-foot high horizontal railing
- Installed onto reinforced concrete abutments secured with flood anchors
- Concrete decking poured after installation







## South-Side Approach Span (facing East)

Concrete landings for ADA compliance

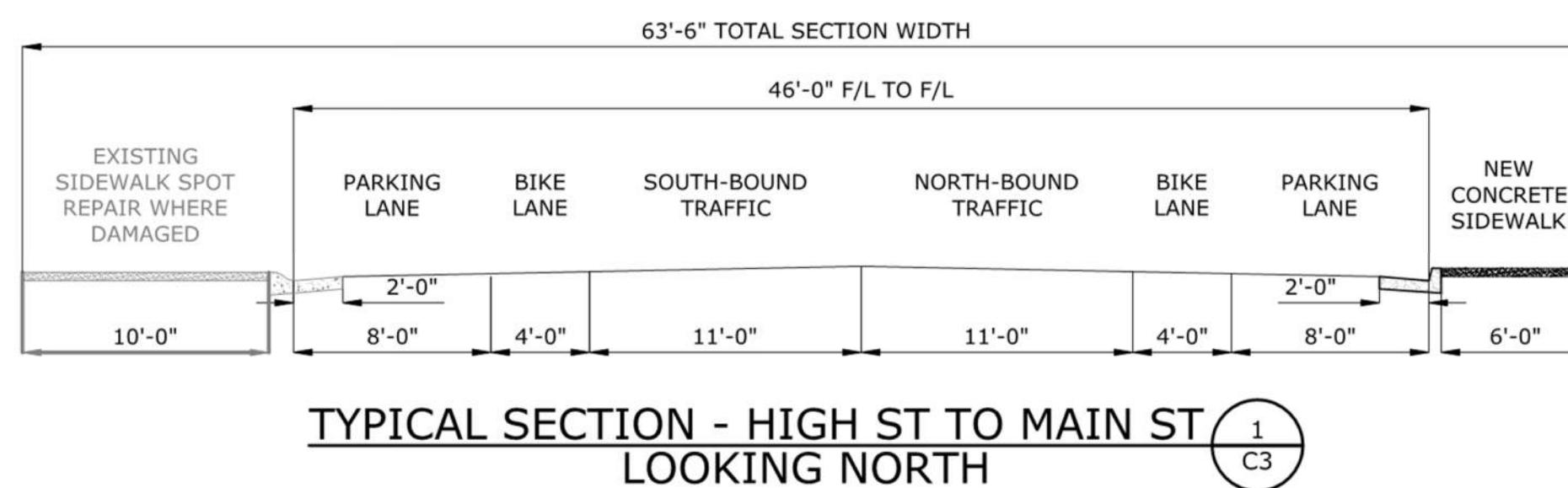


### Notes:

1. East to west alignment required to accommodate ADA compliant approaches and ramp
2. Approach span design to match color and aesthetics of main span

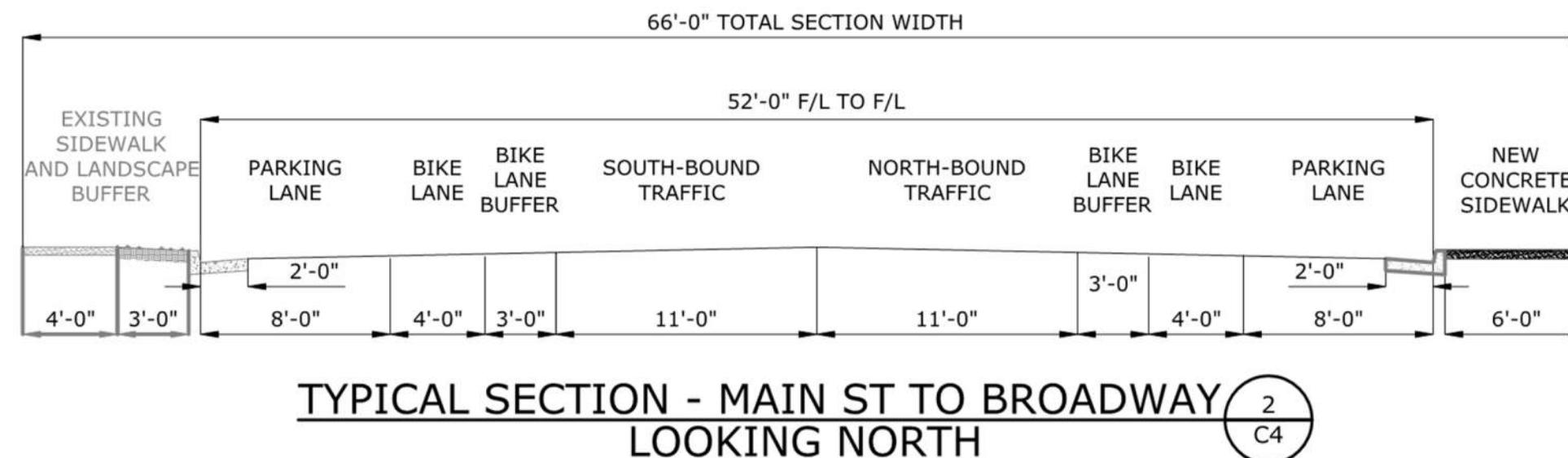
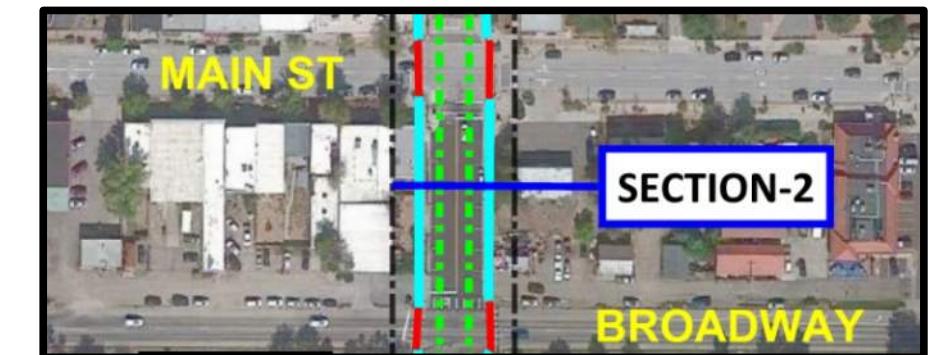
# Section 1: High St to Main St

- Spot repair of damaged sections of sidewalk and C/G on W side of 4<sup>th</sup> Ave.
- Replace existing sidewalk on E side of 4<sup>th</sup> Ave to maintain uniform roadway width
- Dedicated parking aisle and bike lane on both sides of 4<sup>th</sup> Ave



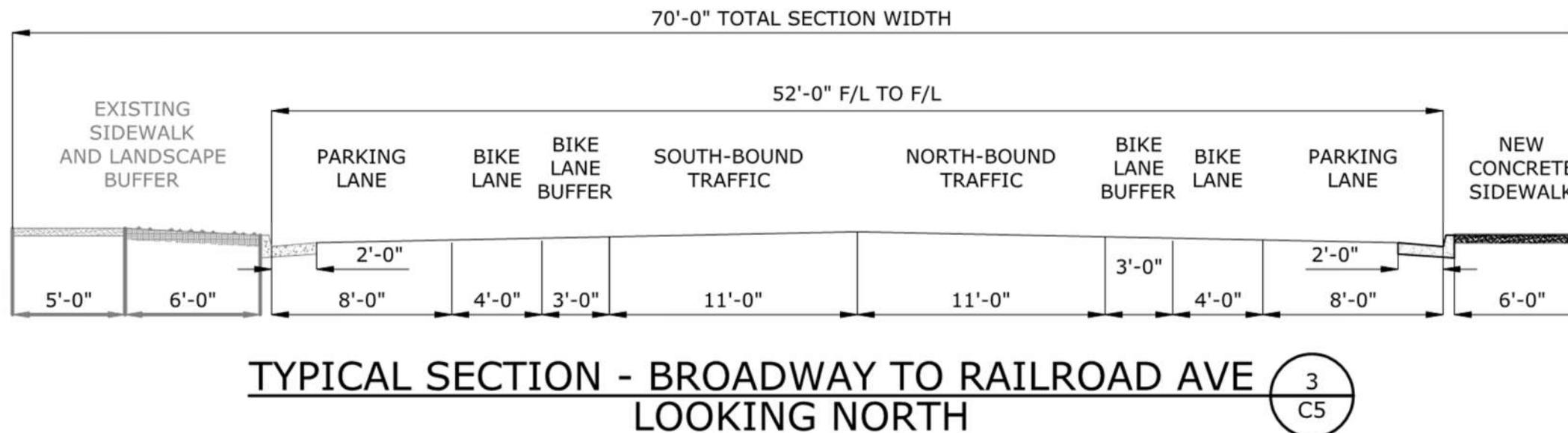
# Section 2: Main St to Broadway

- Existing detached sidewalk and C/G on W side of 4<sup>th</sup> Ave to remain.
- Construct new sidewalk and boulder retaining wall on southern portion of E side of 4<sup>th</sup> Ave.
- Dedicated parking aisle and bike lane on both sides of 4<sup>th</sup> Ave
- Safety separation between bike and driving lanes on both sides



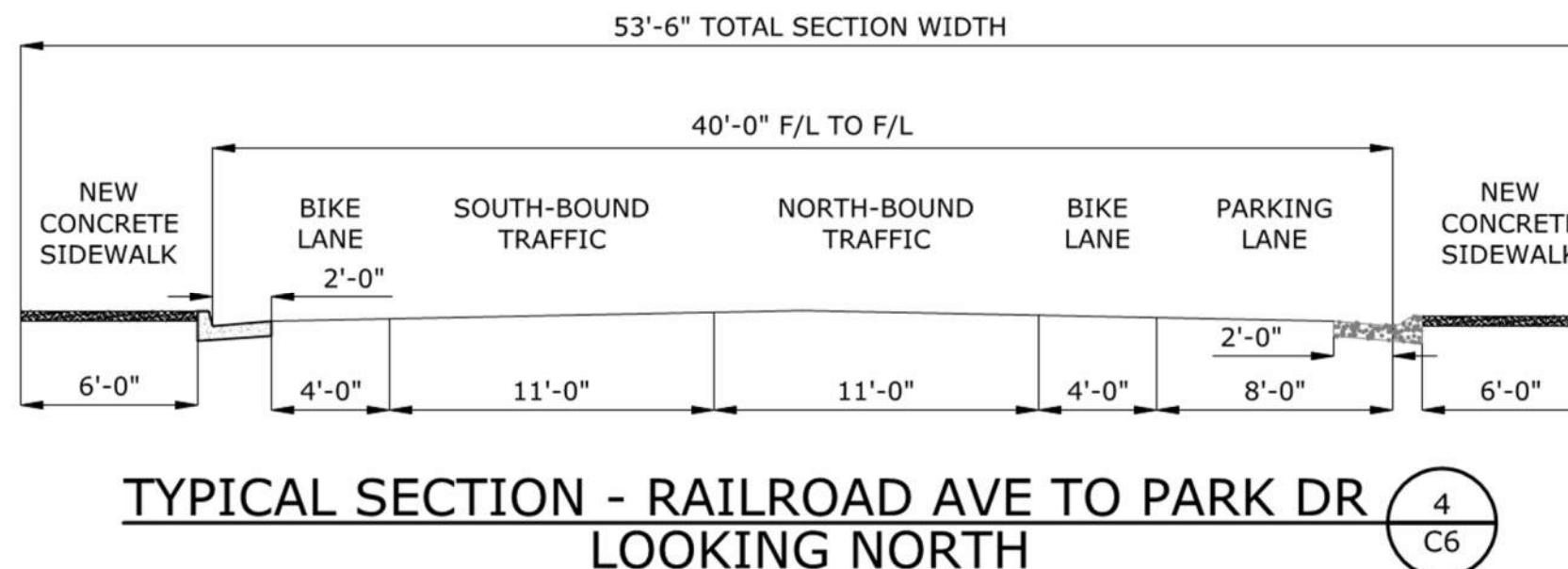
# Section 3: Broadway to Railroad Ave

- Existing detached sidewalk and C/G on W side of 4<sup>th</sup> Ave to remain.
- Construct new sidewalk on E side of 4<sup>th</sup> Ave.
- Dedicated parking aisle and bike lane on both sides of 4<sup>th</sup> Ave
- Safety separation between bike and driving lanes on both sides



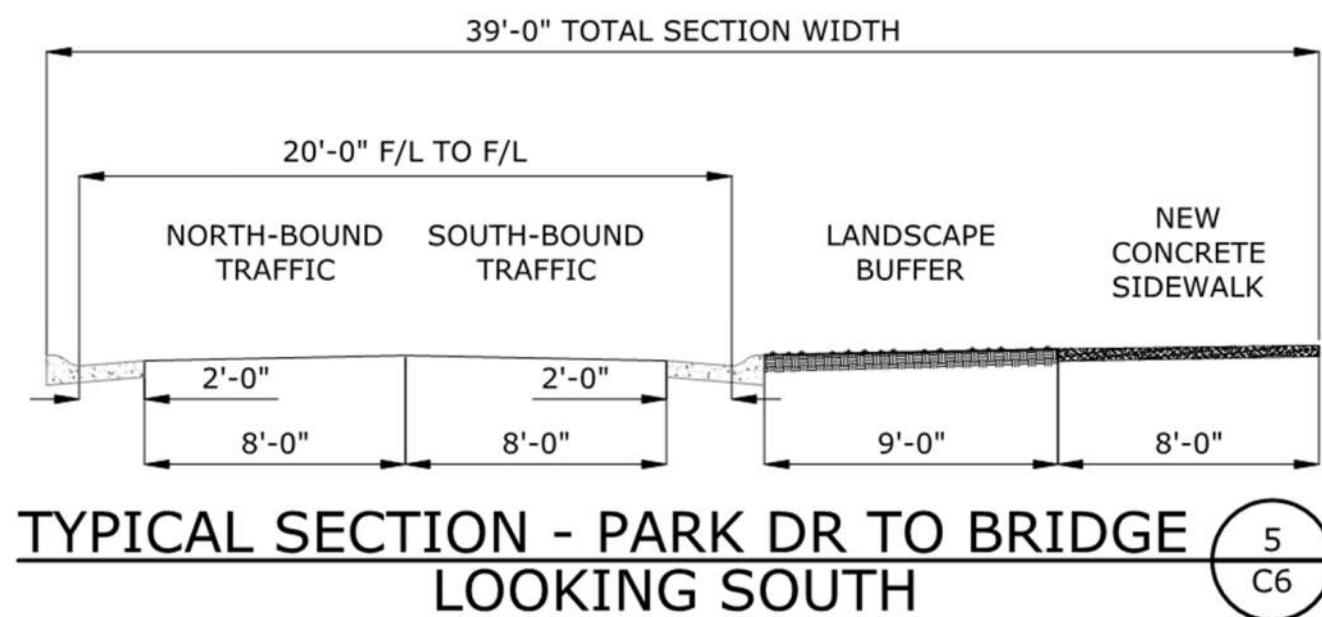
# Section 4: Railroad Ave to Park Dr

- Construct new sidewalk on both sides of 4<sup>th</sup> Ave.
- Dedicated parking aisle on E side of 4<sup>th</sup> Ave.
- Bike lanes on both sides of 4<sup>th</sup> Ave



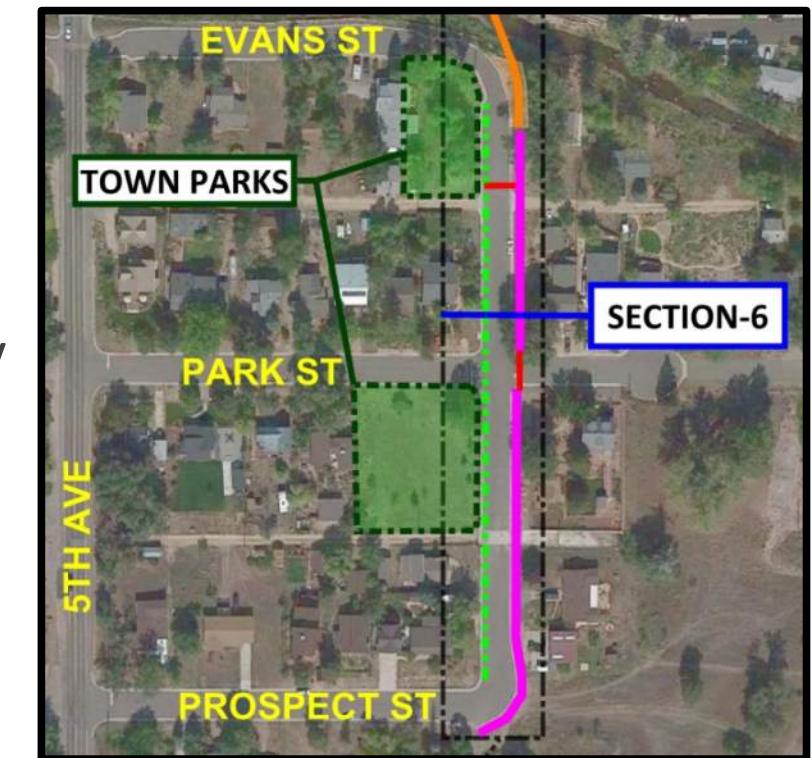
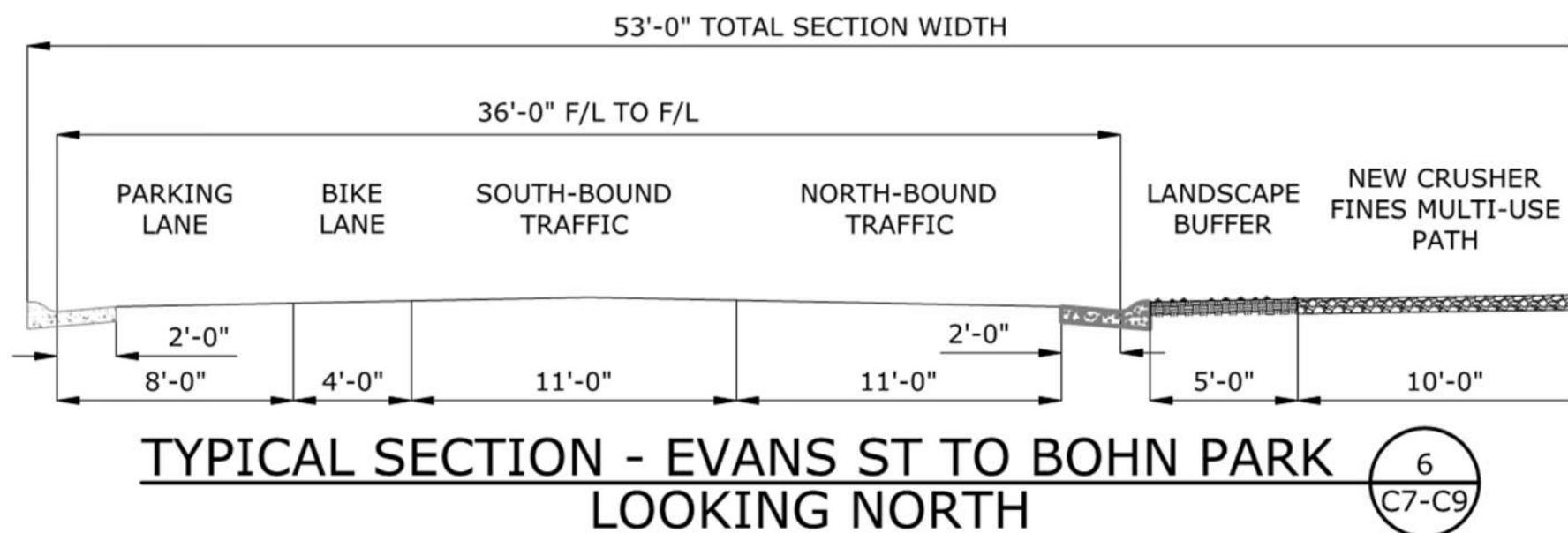
# Section 5: Park Dr to Bridge

- 8 ft concrete sidewalk on W side of 4<sup>th</sup> Ave to match width of bridge
- Crosswalk at Park Dr to provide connectivity to northbound SRTS pathway
- No proposed changes to existing roadway



# Section 6: Evans St to Bohn Park south of St. Vrain Creek

- Dedicated parking aisle and bike lane on W side of 4<sup>th</sup> Ave
- New 10 ft wide crusher fines multi-use pathway on E side of 4<sup>th</sup> Ave
- Crosswalks to provide connectivity between bike land and multi-use pathway



# Section 6: East Side Alignment South of St. Vrain Creek

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- Bridge landing is located on east side
- Additional clearance between road and trees
- Reduced utility conflicts
- Less cross traffic across path
- Reduced number of crosswalks for path





Artistic rendering of pedestrian bridge