

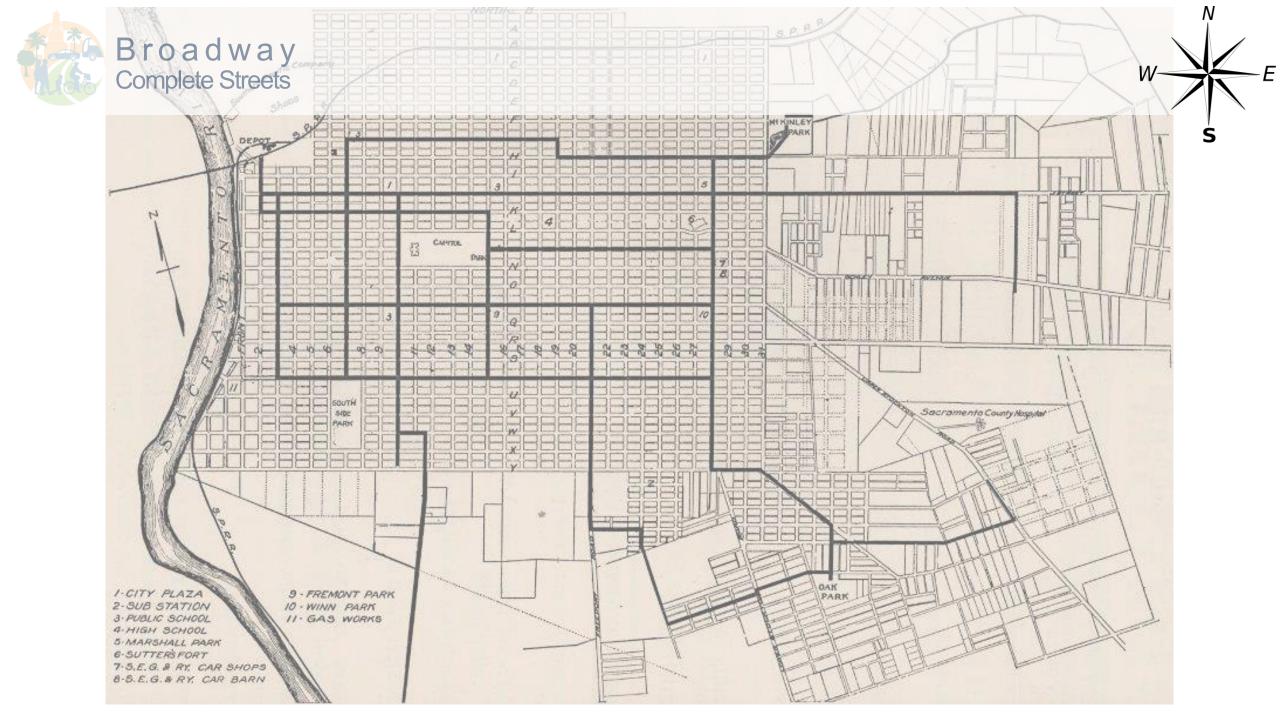
# Broadway Complete Streets Project

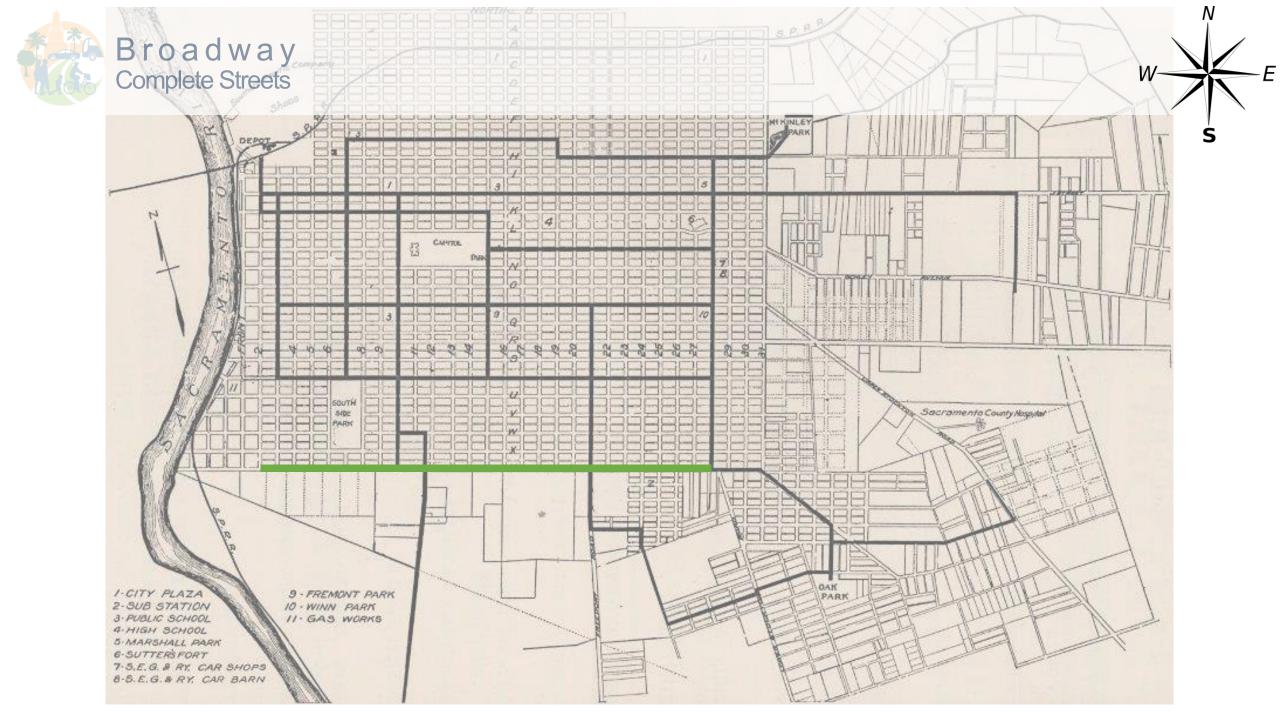
Megan Johnson, P.E. Associate Civil Engineer

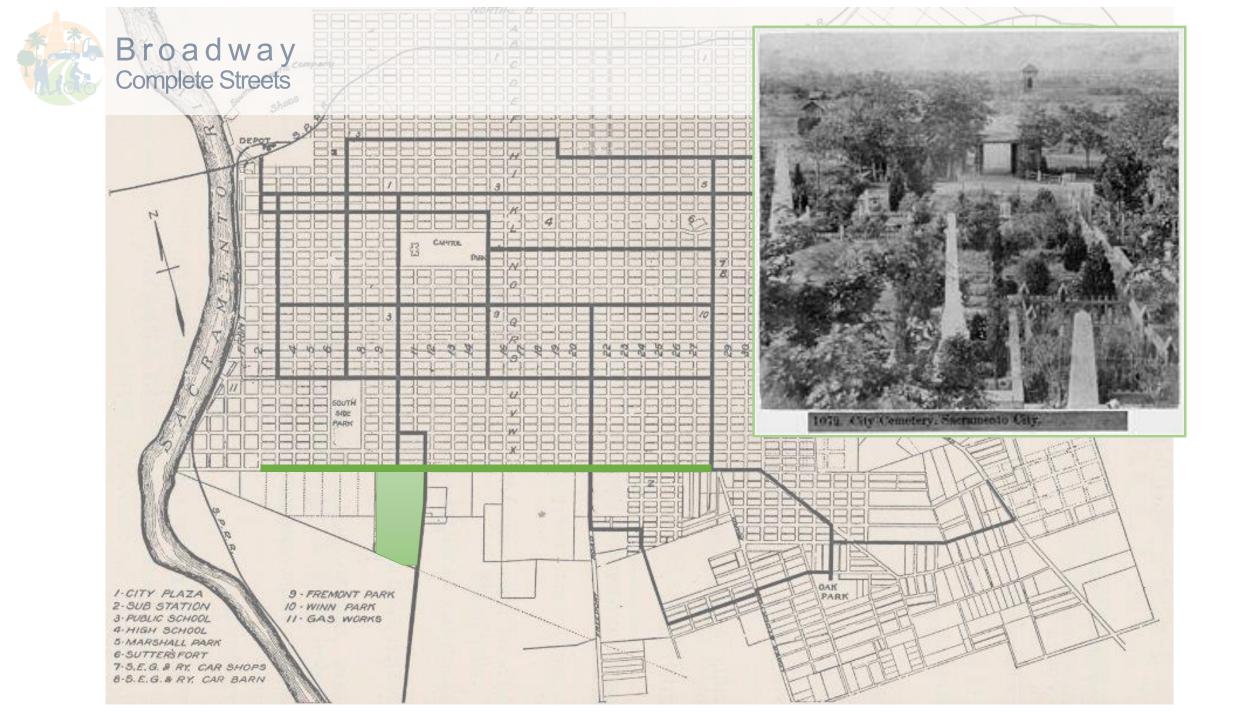


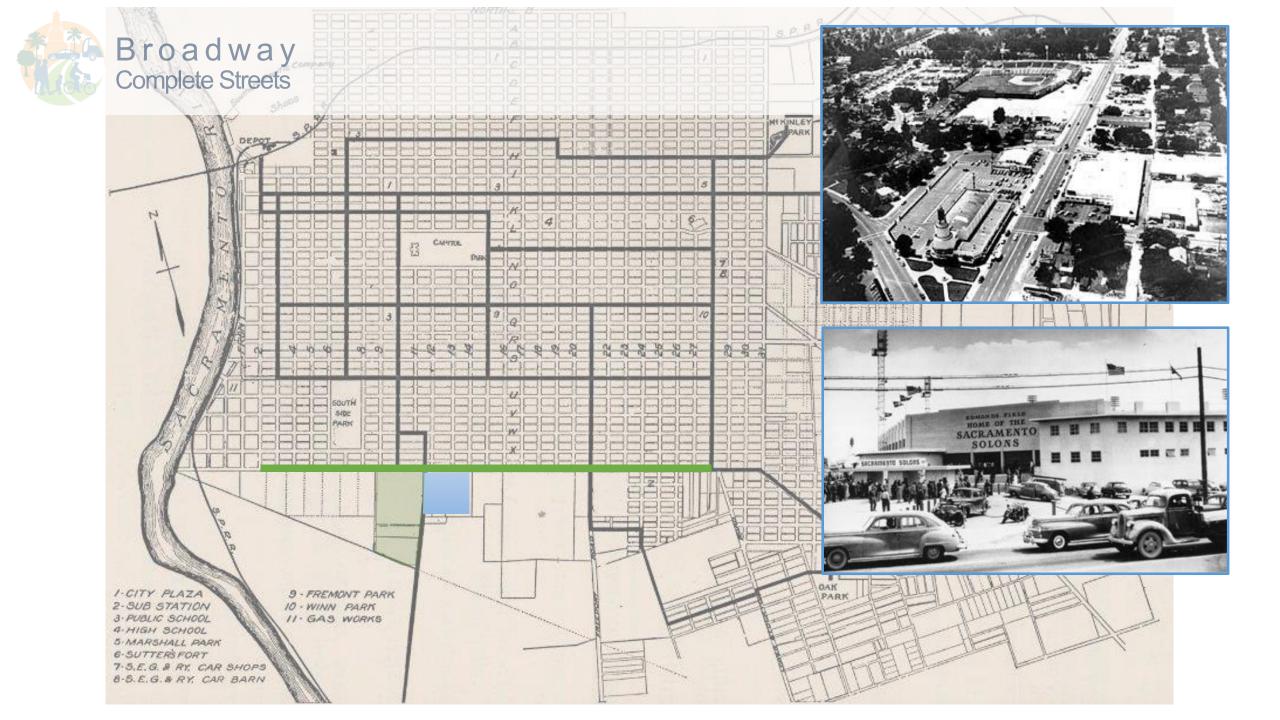
James Pangburn, P.E. Consultant Project Manager

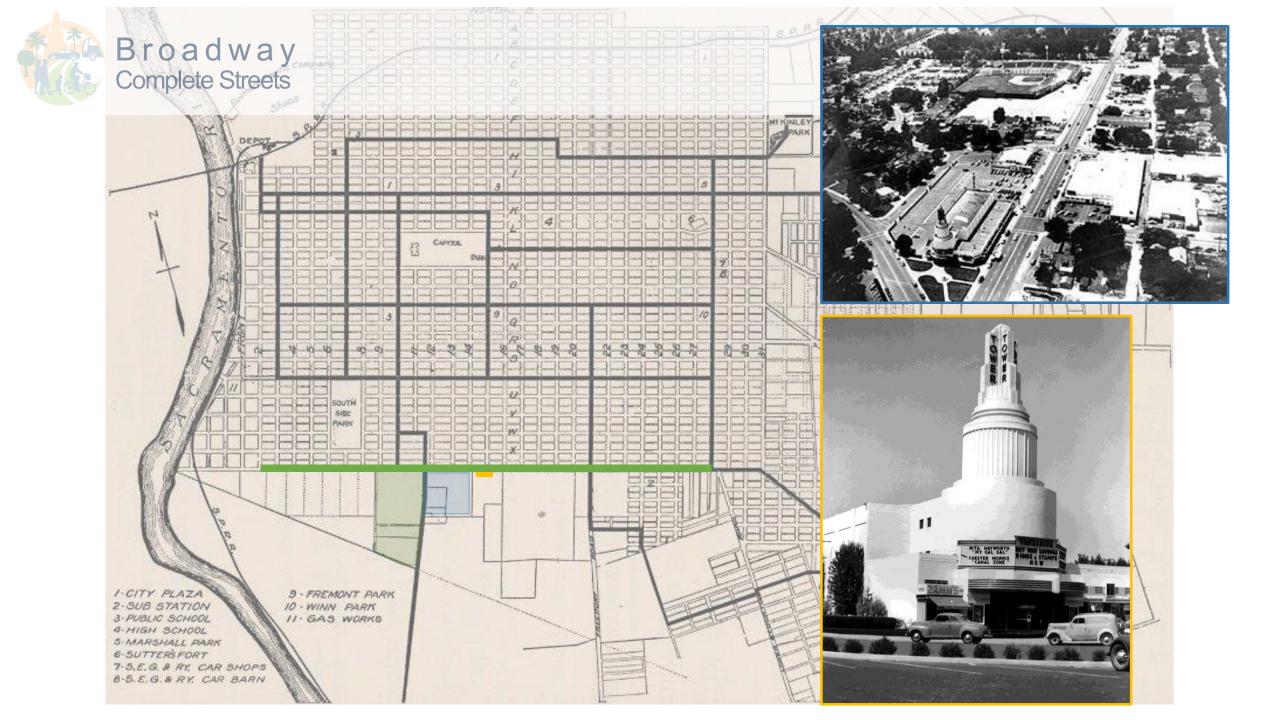


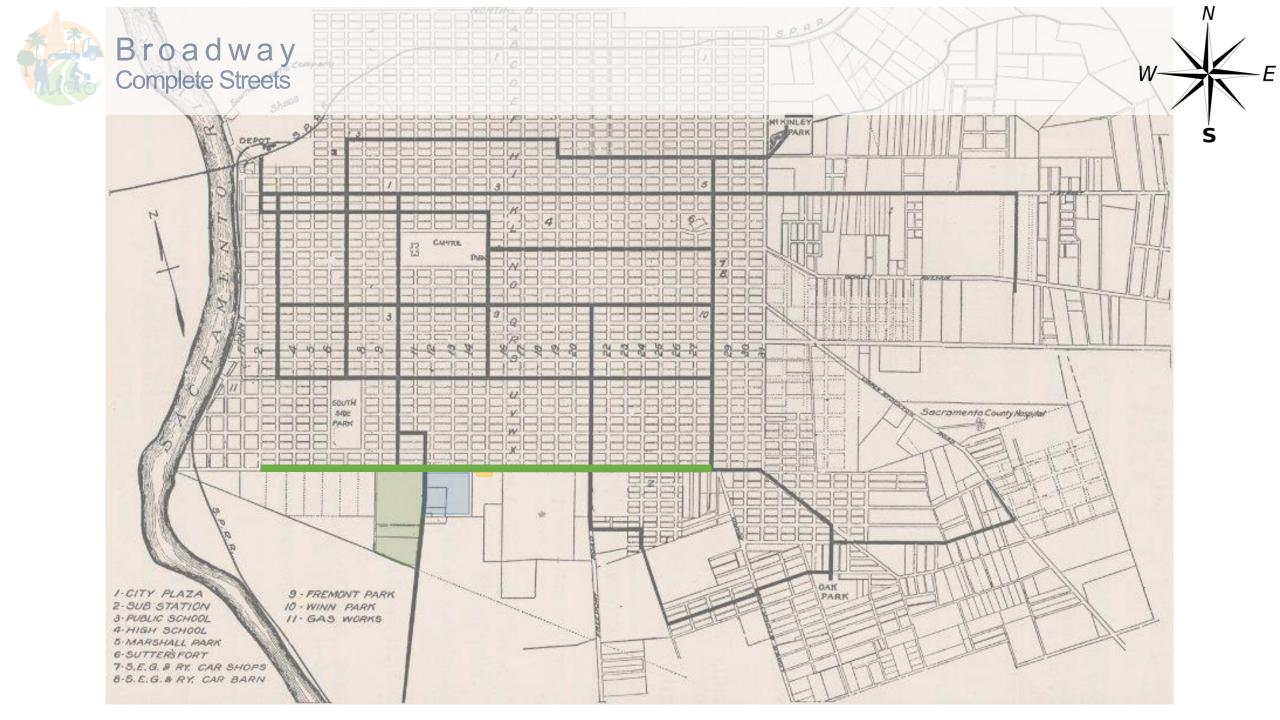


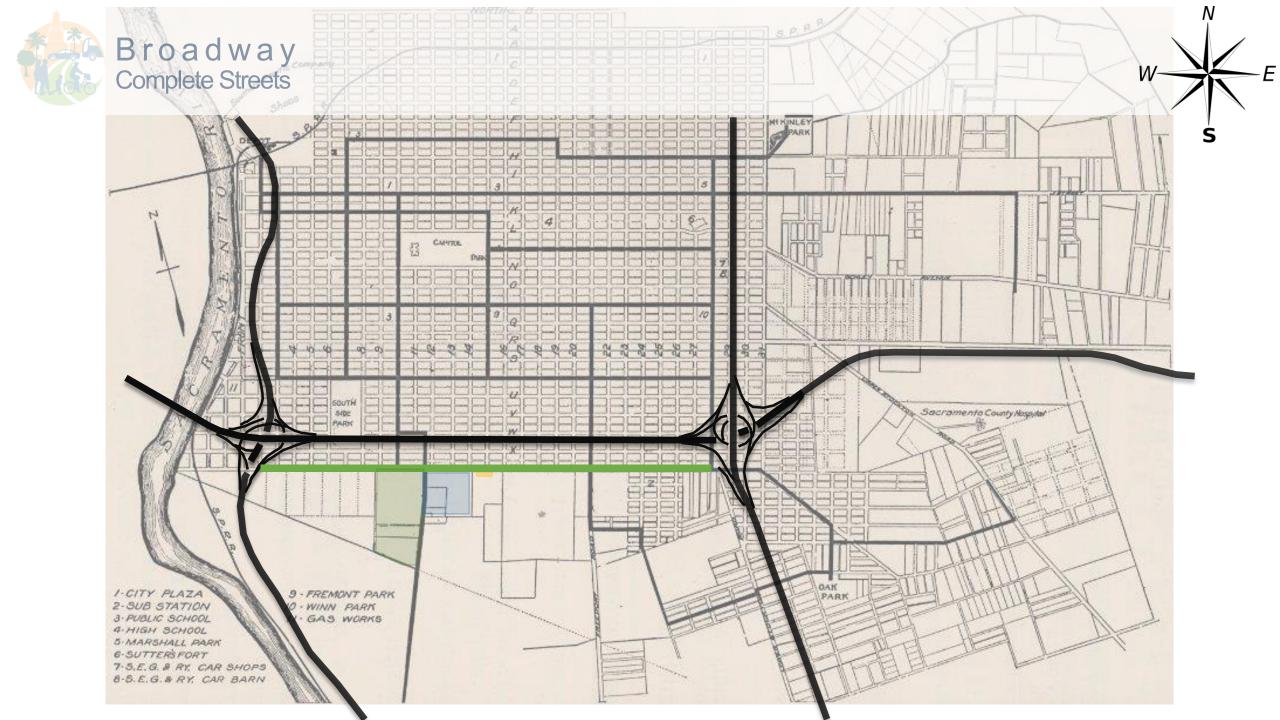


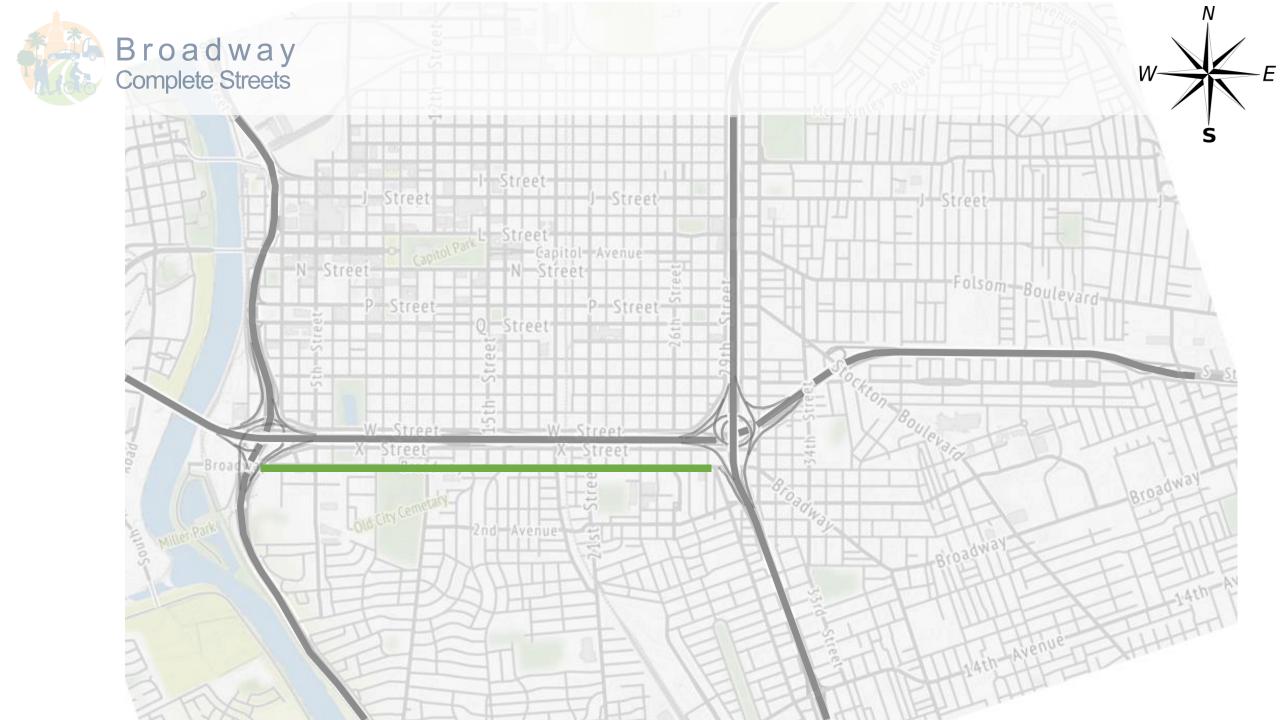


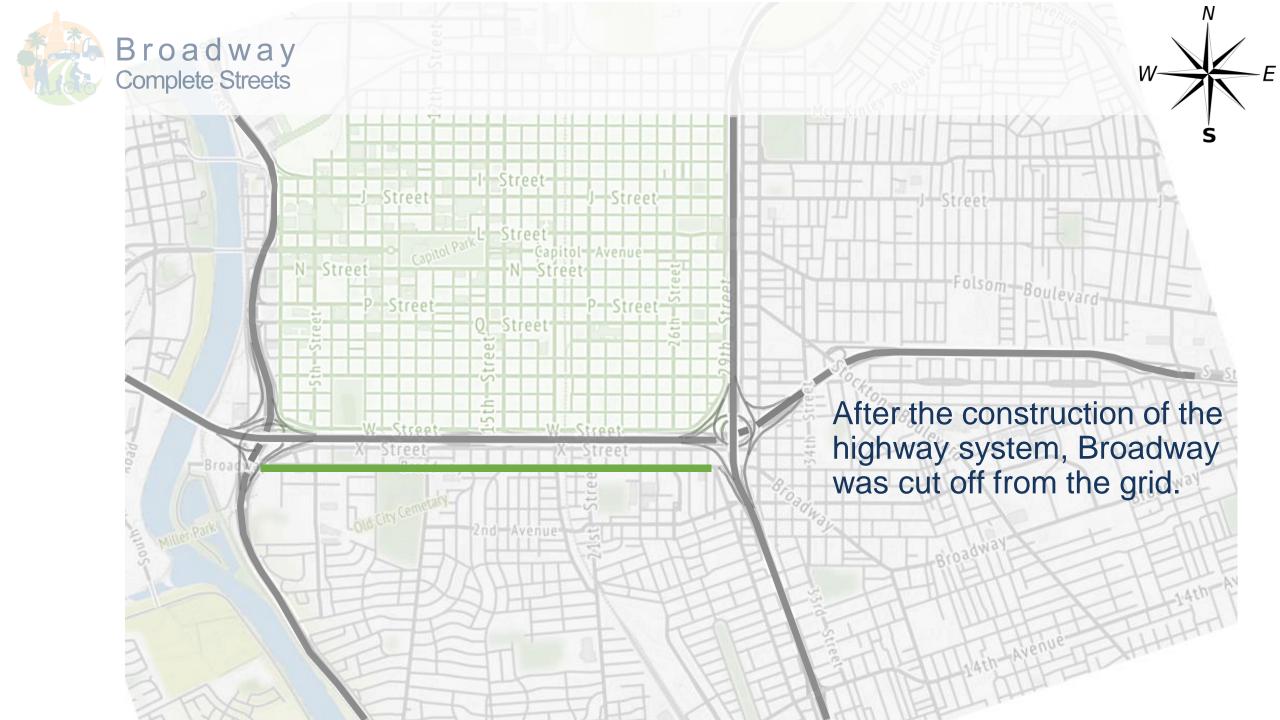




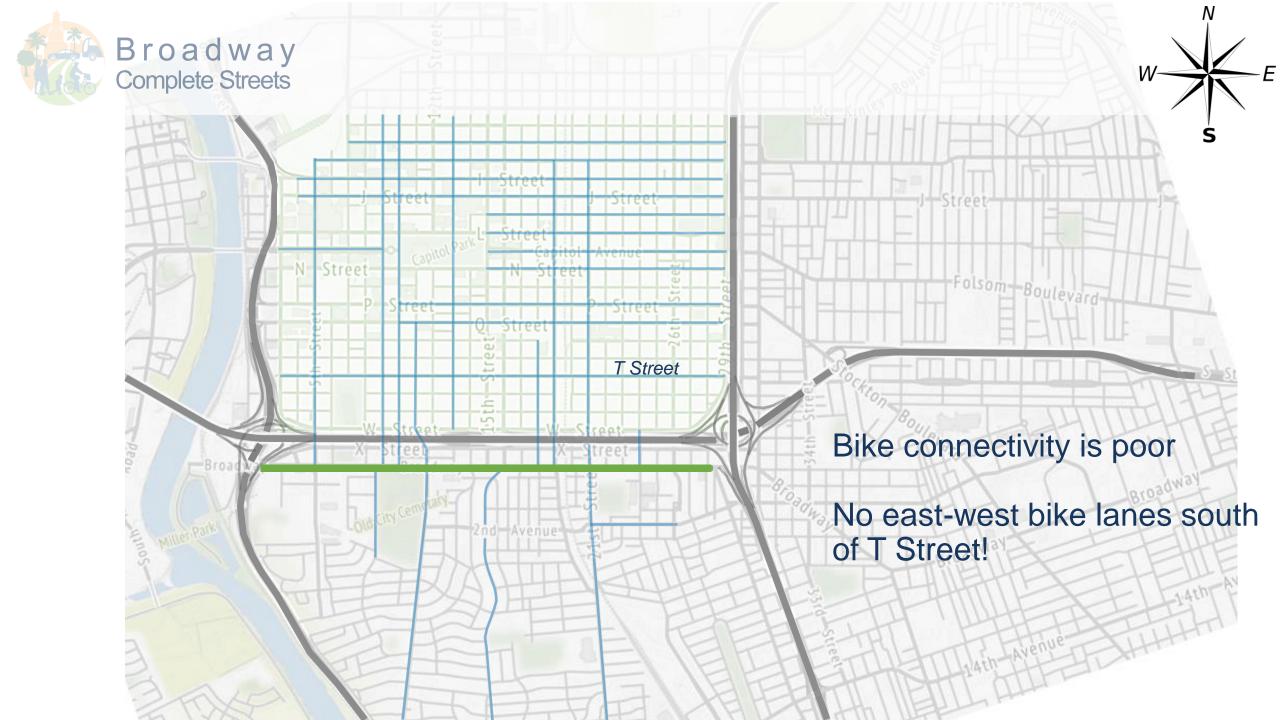














# **Existing Conditions**

- 4 travel lanes
- On-street parking
- Painted median (sometimes)
- No bicycle lanes
- Between 17,000 22,000 cars/day



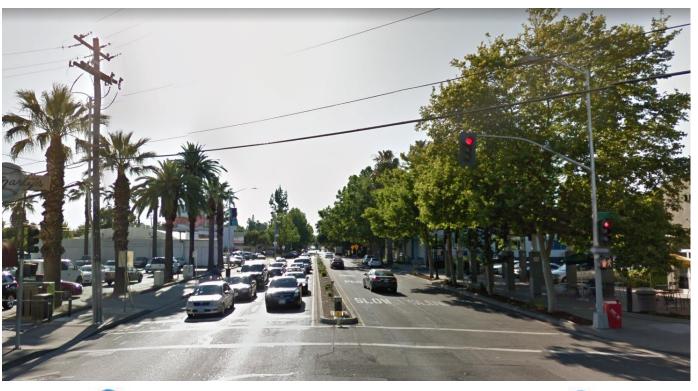


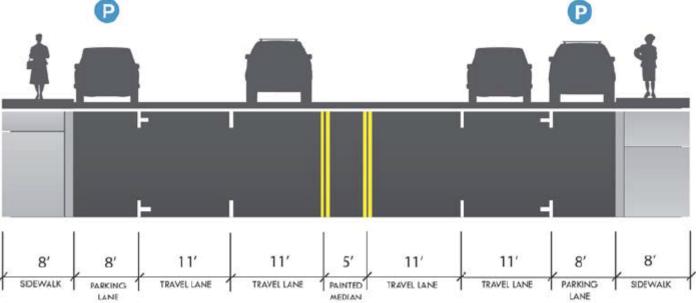


# **Existing Conditions**

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Capacity of 4-lane roads: 36,800 cars/day







#### The Broadway Complete Street Plan

- Planning process included walking audits and public meetings/workshops from Spring 2015 to Winter 2016.
- What was heard: The participants wanted...
  - To prioritize pedestrian and bicycle safety and comfort
  - Lane reduction and traffic calming
  - Streetscape improvements











#### **Project Goals**

- Balance accessibility for bicyclists, pedestrians, transit users, and drivers
- Enhance safety and comfort for all modes of travel, especially pedestrians and bicyclists
- Improve connectivity between:
  - the residents south of Broadway
  - the businesses along Broadway
  - Downtown/Midtown
- Encourage economic revitalization and reinvestment along the Broadway corridor

#### Broadway at 18th

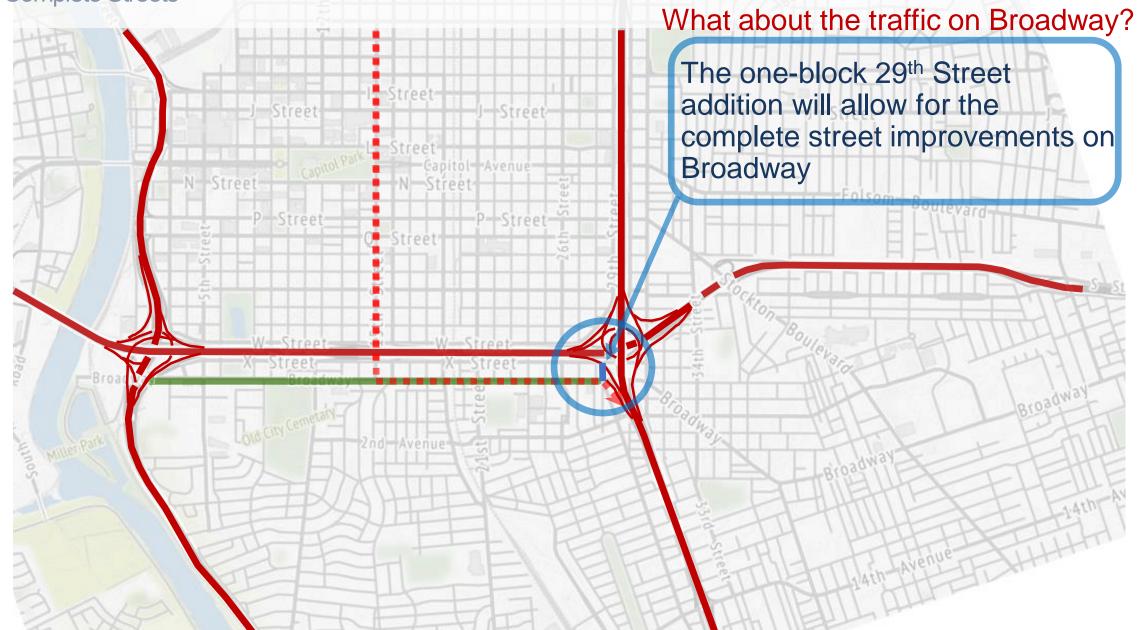


**Tower Gateway** 

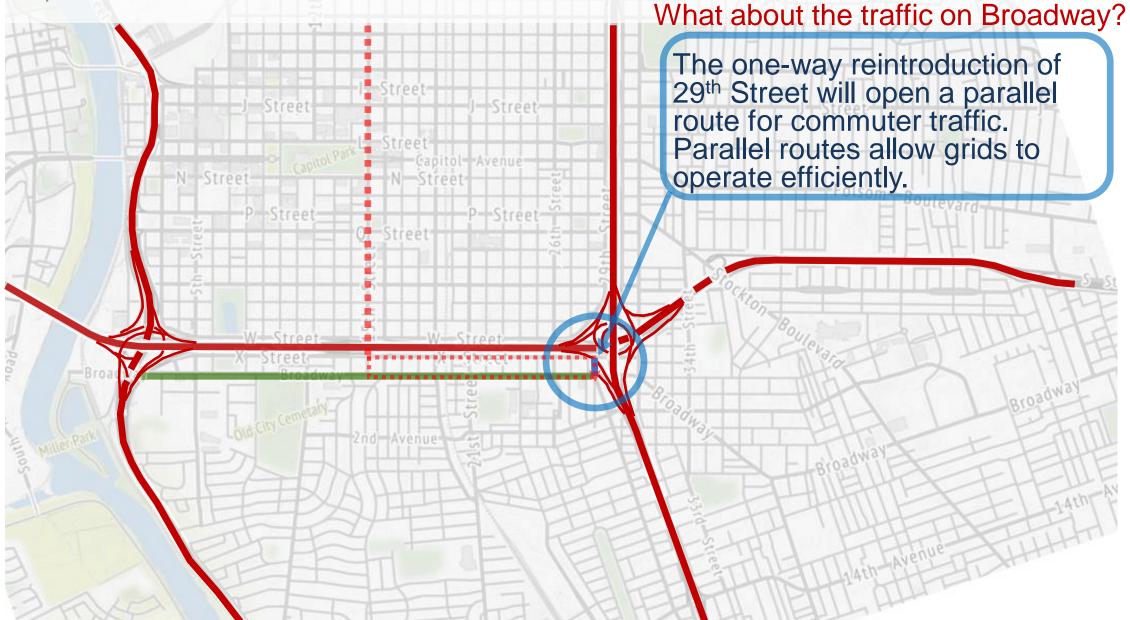








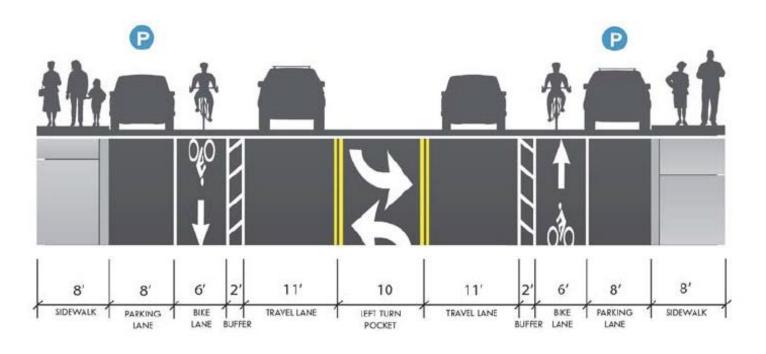


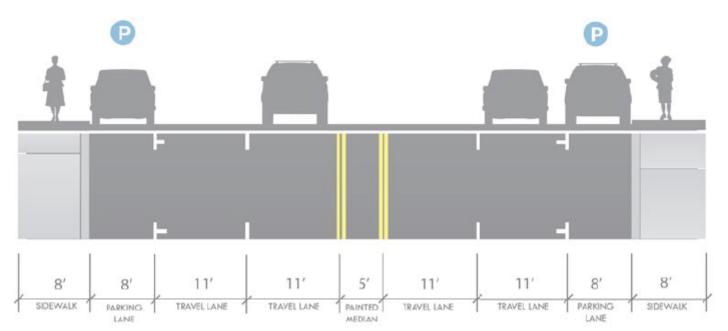




#### As identified in the Plan:

- Reduction from 4 to 2 lanes
- Maintain/provide on-street parking where appropriate
- Provide consistent two-way left turn lane
- Add buffered bike lanes







#### Intersection Improvements:

- Bulb-outs to shorten pedestrian crossings
- Potentially eliminate the "slip" right turn lanes
- Green bike lane markings through intersection and at conflict points
- Potential for landscaping and art at bulb-outs





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#### Light rail / transit access

- Dedicated bus lane and boarding islands
- Signal-controlled pedestrian crossing next to bus islands and tracks
- Curbside bike lanes to eliminate bike-bus conflicts

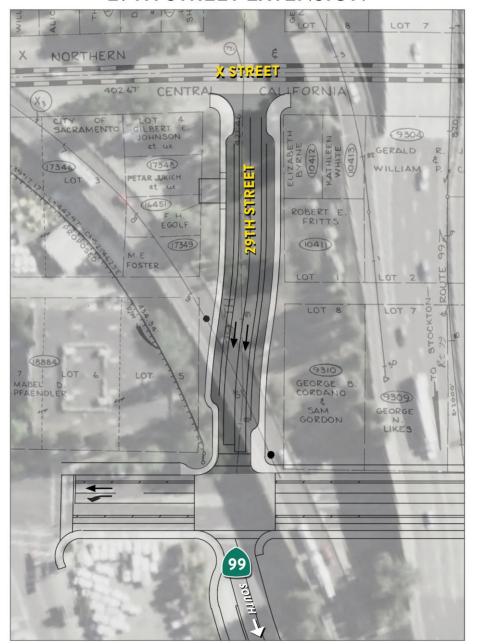




# Proposed Improvements – 29<sup>th</sup> Street Extension

- 2-lane, one-way roadway from X
   Street to Broadway
- New signal at 29<sup>th</sup> Street / Broadway
- Class 2 Bike lanes and parking included

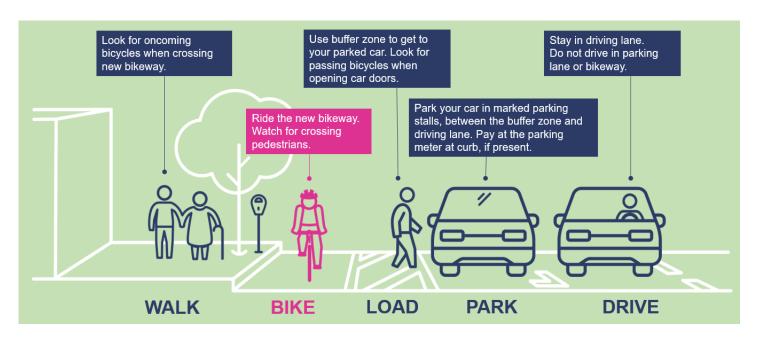
#### 29TH STREET EXTENSION





# What about those new parking-protected bikeways?

- Parking-protected bikeways provide separation between bicyclists and driving/parking vehicles
- "Newer" type of facility
- Best for long stretches without driveways, and with consistent on-street parking
- Will be evaluated as part of concept development



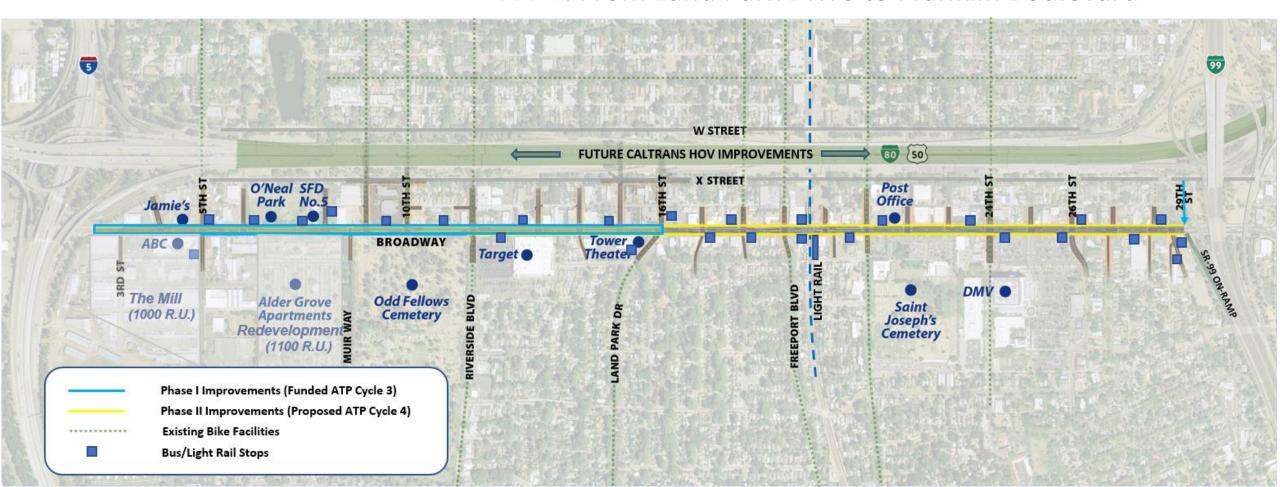






# **Project Phasing**

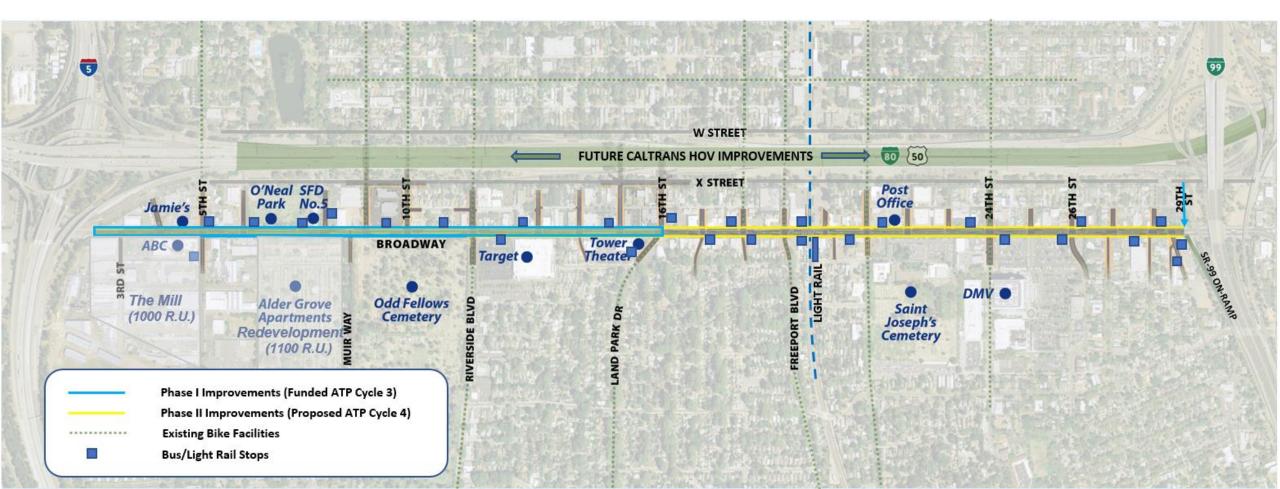
- Project will be implemented in two phases:
  - Phase 1: From 3<sup>rd</sup> Street to Land Park Drive / 16<sup>th</sup> Street, with 29<sup>th</sup> Street Extension
  - Phase 2: From Land Park Drive to Franklin Boulevard





# **Project Phasing**

- Phase 1 has received Active Transportation Program funding for environmental, design, and construction
- Phase 2 will be environmentally cleared with Phase 1
  - Pursuing ATP Funding for Phase 2





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