



McKinley Street Grade Separation

Project Overview



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Presentation Outline

- Project Overview
- Construction Timing
- Construction Impacts
 - Recommended Detour Plan
 - Access During Construction
- Project Benefits
 - Congestion Relief
 - Safety
 - Improved Economics
 - Miscellaneous



Project Overview

→ Project Need

- Alleviate Congestion
- Driver, Cyclist and Pedestrian Safety
- Anticipated Rail and Vehicular Traffic Increases

→ Project Goals

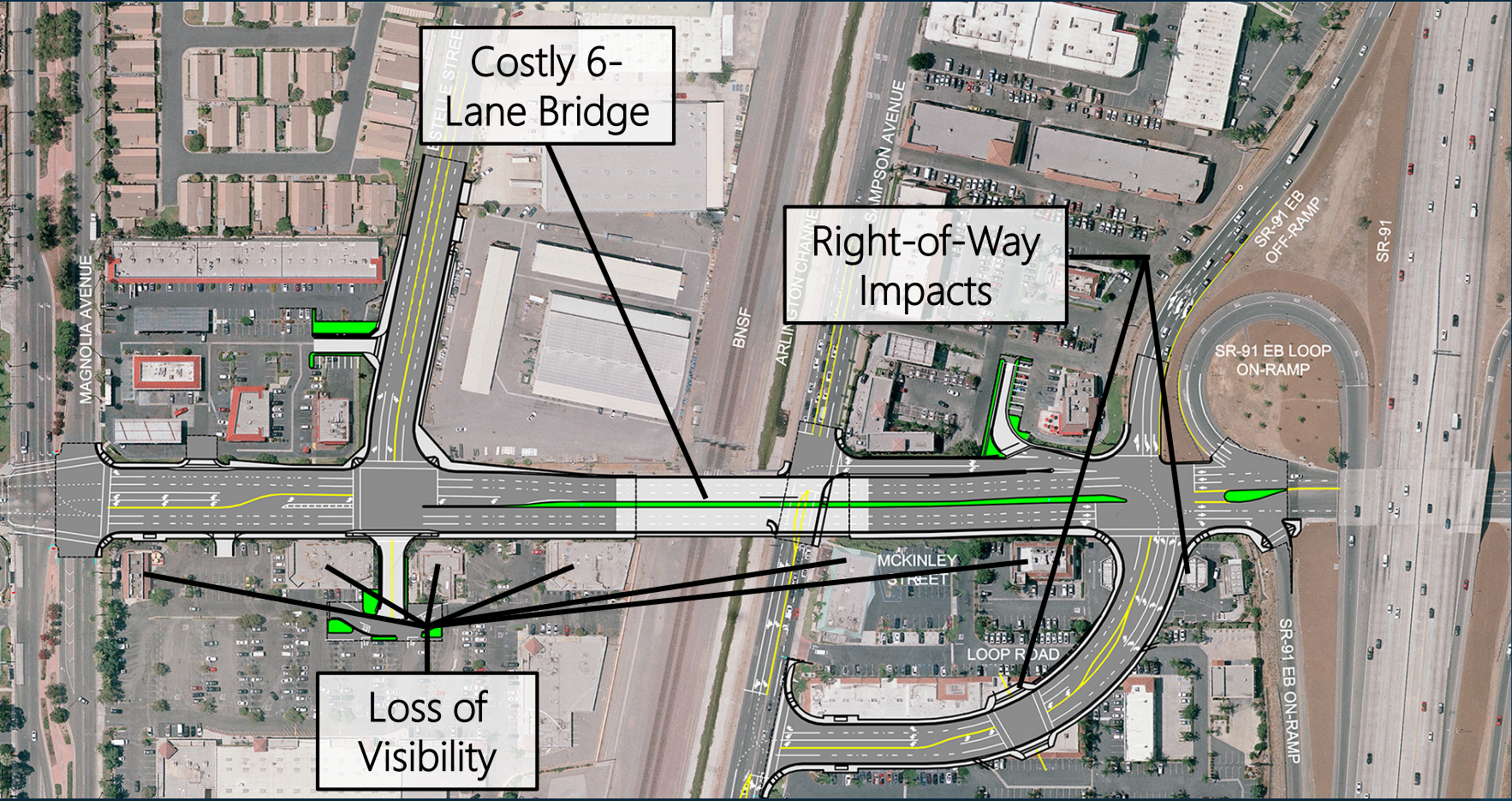
- Reduce Traffic Congestion and Air/Noise Pollution
- Enhance Emergency Vehicular Access
- Minimize Impacts to the Community
- Improve Safety at the Grade Crossing

→ Previous Alternatives Considered

- 2011 Project Study Report (4 Alternatives, Overpass vs Underpass)
- 2018 Project Concept Report (Connector Road, 4 Alternatives)
- 2019 Value Engineering Analysis



Project Layout - Early Alternative

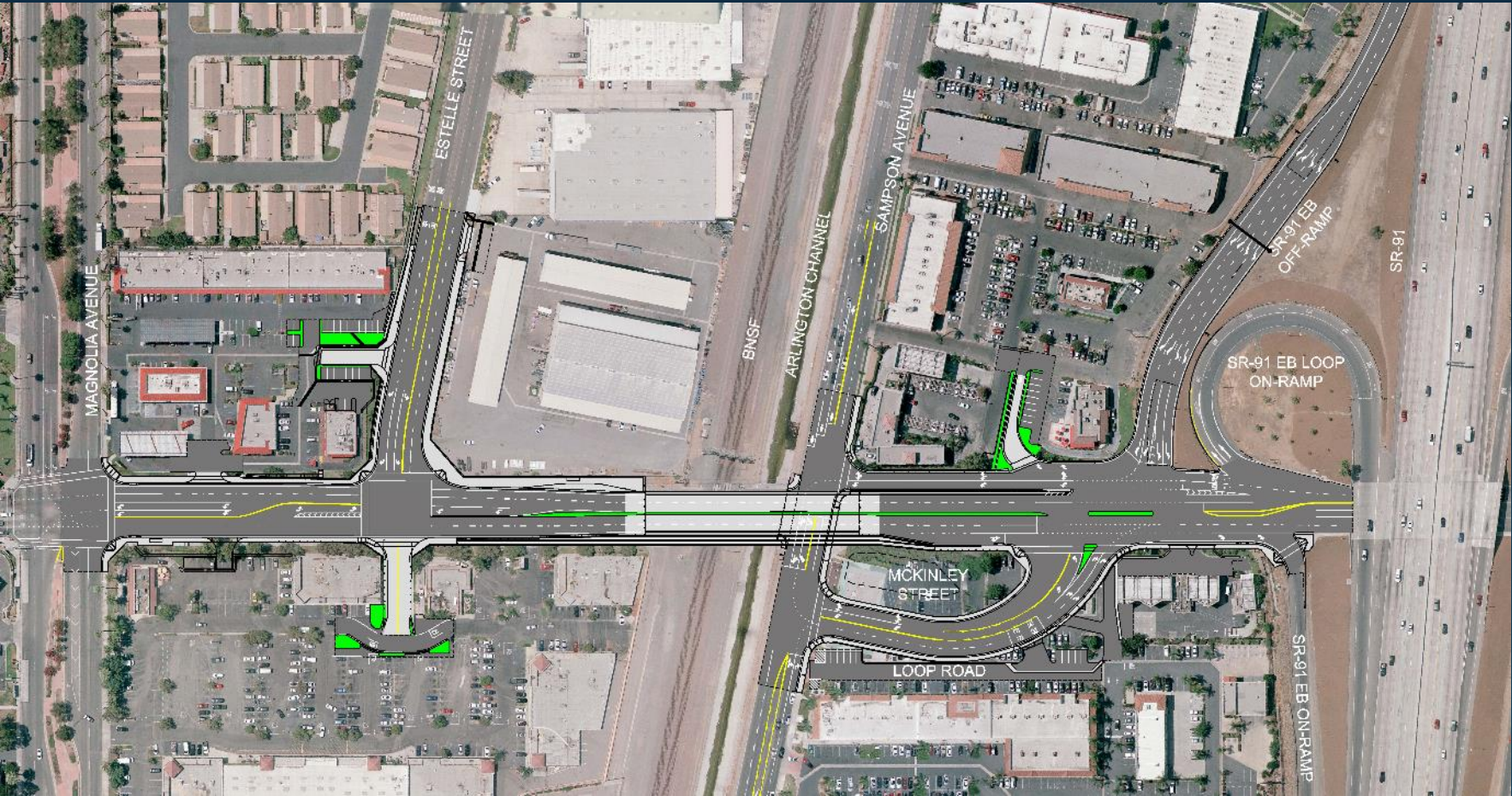


Costly 6-Lane Bridge

Right-of-Way Impacts

Loss of Visibility

Project Layout – Preferred Alternative



Project Layout | Overview (Looking Northwesterly)



Project Layout | Overview (Looking Northeasterly)



Project Layout | Overview (Looking Southeasterly)



Project Layout | Overview (Looking Westerly)



Project Layout | Overview (Looking Southerly)



Aesthetics | Bridge Color

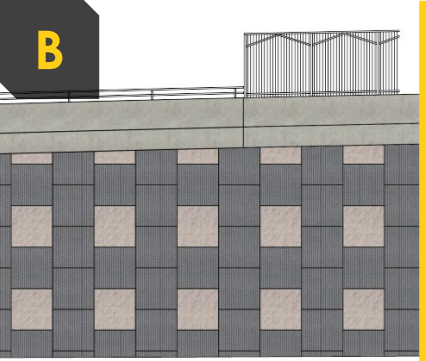


Aesthetics | Retaining Wall Patterns

A



B



Construction Schedule

→ Contractor Procurement

→ Early Construction Activities

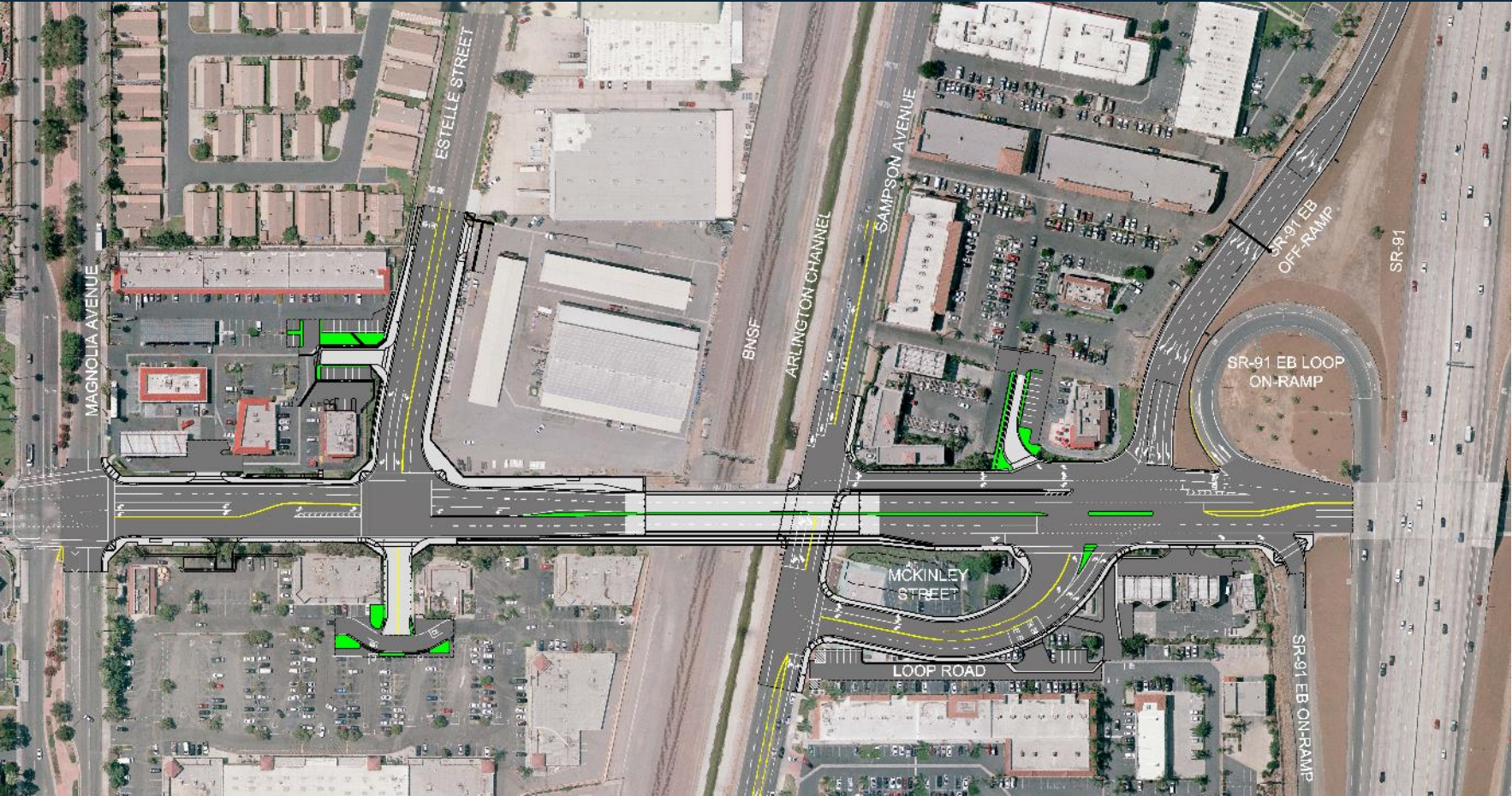
- Major Utility Relocations
- Removals/Staging Area

→ Construction

- Bridge Fabrication / Move (Stage 1)
- Major Fill / Roadway / Wall Activities (Stages 2 &3)
- Demobilization/Completion





Construction Schedule



Construction Impacts | Recommended Detour Plan



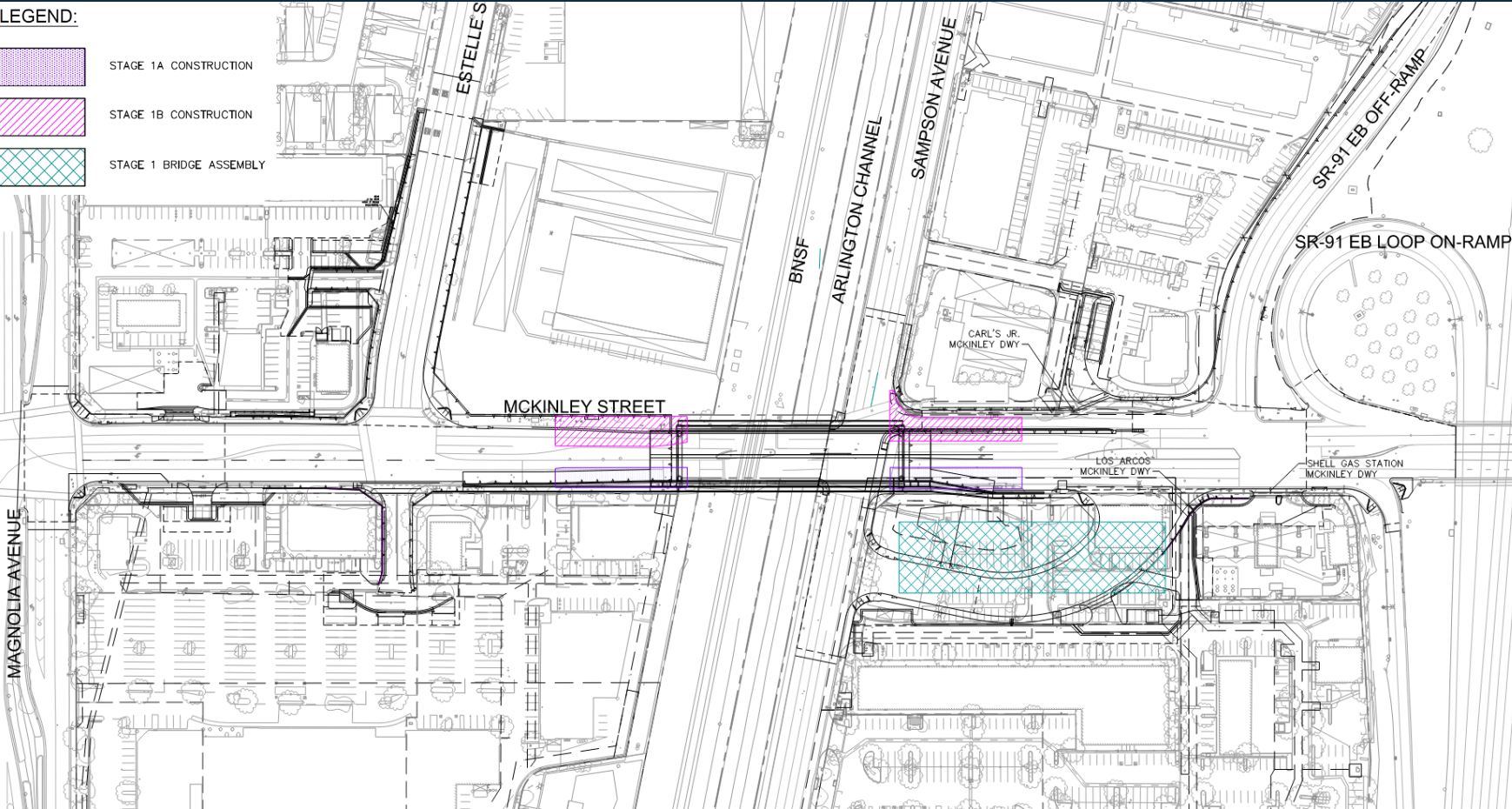
LEGEND:

-  = Study Intersection
-  = Preferred Detour Route

Construction Impacts | Stage 1


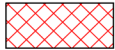
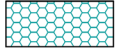
LEGEND:

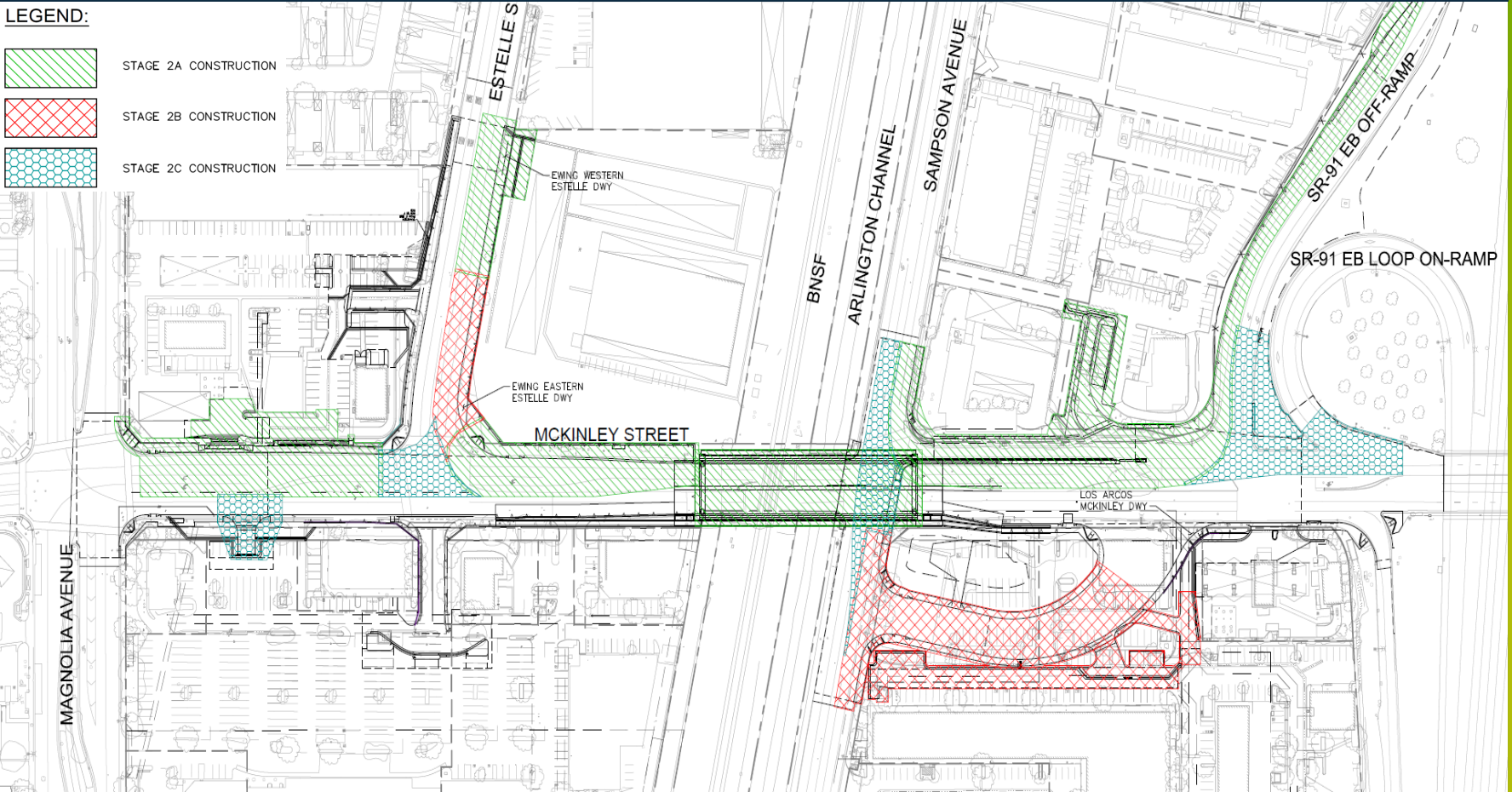
- STAGE 1A CONSTRUCTION
- STAGE 1B CONSTRUCTION
- STAGE 1 BRIDGE ASSEMBLY



Construction Impacts | Stage 2




LEGEND:

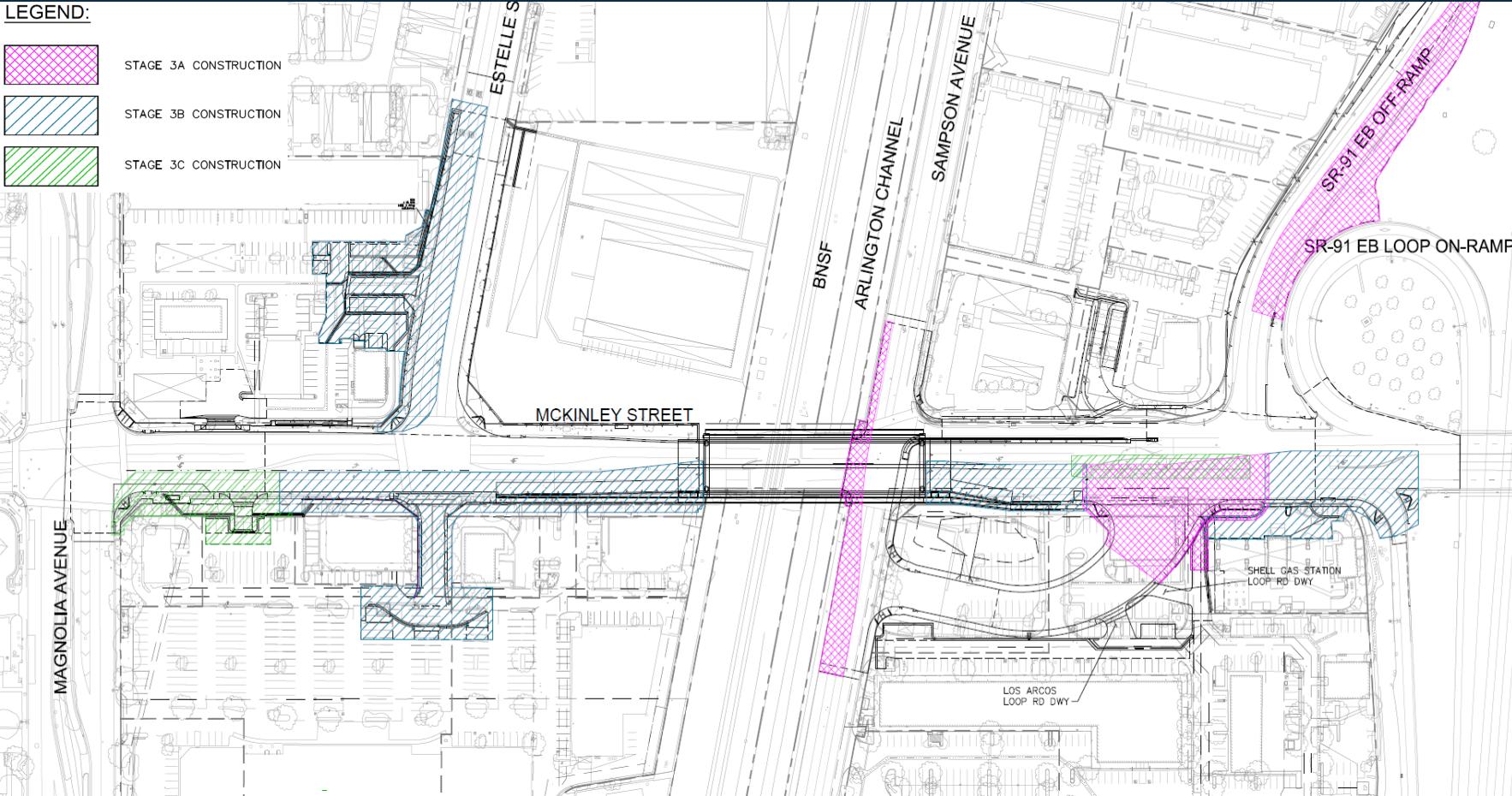
-  STAGE 2A CONSTRUCTION
-  STAGE 2B CONSTRUCTION
-  STAGE 2C CONSTRUCTION



Construction Impacts | Stage 3

LEGEND:

-  STAGE 3A CONSTRUCTION
-  STAGE 3B CONSTRUCTION
-  STAGE 3C CONSTRUCTION



Project Benefits - Congestion

- Vehicular Traffic
 - Vehicle Idle Time at Crossing
 - Improved Operations at All Major Signals
 - Semi-Truck and Trailer Travel
 - Bus/Transit Operations
- Rail Operations
 - Future Rail Freight Volumes
 - Future Rail Expansions
- Pedestrian and Bike



Project Benefits - Safety

- Vehicular Traffic
 - Pre-Construction Statistics
 - Elimination of At-Grade Crossing
- Emergency Vehicles
 - Improved Response Times
 - Better Accessibility to Side Streets/Properties
- Pedestrians
- Air Quality / Greenhouse Gas Emission Reductions
- Noise Reductions



Project Benefits - Economics

→ Funding Opportunities

- State Senate Bill 132 (\$84.45 mil)
- CPUC Section 190 (Up to \$10 Mil)
- Trade Corridor Enhancement Program

→ Economic Output

- Direct / Indirect Jobs Supported/Created
- Construction Impacts
- Long Term Impacts





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