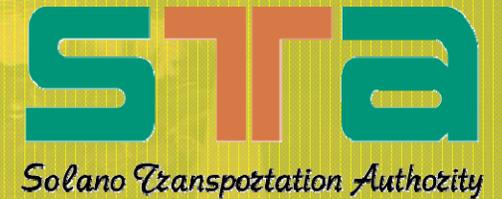


The State Route (SR) 12 Realignment/Rio Vista Bridge Preliminary Study



Project Review

Corridor Deficiencies

- **SR-12 Corridor is Undersized for Projected Growth**
- **Safety Issues: Little to No Shoulders, No Turn Lanes at Many Intersections & High Accident Rates**
- **Bridge Openings Cause Long Backups/Delays – Port of West Sacramento Planning to Expand Operations**

Congestion Will Worsen over Time

Projected Needs

- **4-Lane SR-12 Facility**
- **4 Lanes Across the River**
- **Minimize/Eliminate Conflict Between Road & River Traffic**



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Project Purpose

- **Establish Feasible Corridor Alternatives**
 - Address Future Corridor Needs
 - Account for Planned Development – **LOCAL & REGIONAL**
 - Incorporate Community & Stakeholder Concerns
- **Right-of-Way Preservation – City General Plan Update to Prevent Preclusion of Currently Viable Corridors**
- **Define Future Project Phases**
- **Update the Estimated Project Cost**
- **Identify Potential Funding Sources**



Project Update

➤ Investigated required time to open/close bridge

Small Boats: 10 Minutes

Large Vessels/Cargo Ships: 25 Minutes

Current Peak Traffic Volume: 2100 vehicles/hour
(2008 Caltrans Traffic Volumes) (both directions combined)

Small Boats: 350 Vehicles Backed Up
($\frac{1}{2}$ mile + each direction)

Large Vessels: 875 Vehicles Backed Up
(1.25 mile + each direction)

CONDITION WILL WORSEN WITH LOCAL/REGIONAL GROWTH



Project Update

➤ Backups will increase in length

Small Boats: 10 Minutes

Large Vessels/Cargo Ships: 25 Minutes

2030 AM Peak Traffic Volume: 5531 vehicles/hour
(Project Traffic Memo Forecasts) (both directions combined)

Small Boats: 925 Vehicles Backed Up
(1.3 mile + each direction)

Large Vessels: 2305 Vehicles Backed Up
(3.25 mile + each direction)



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Edgars

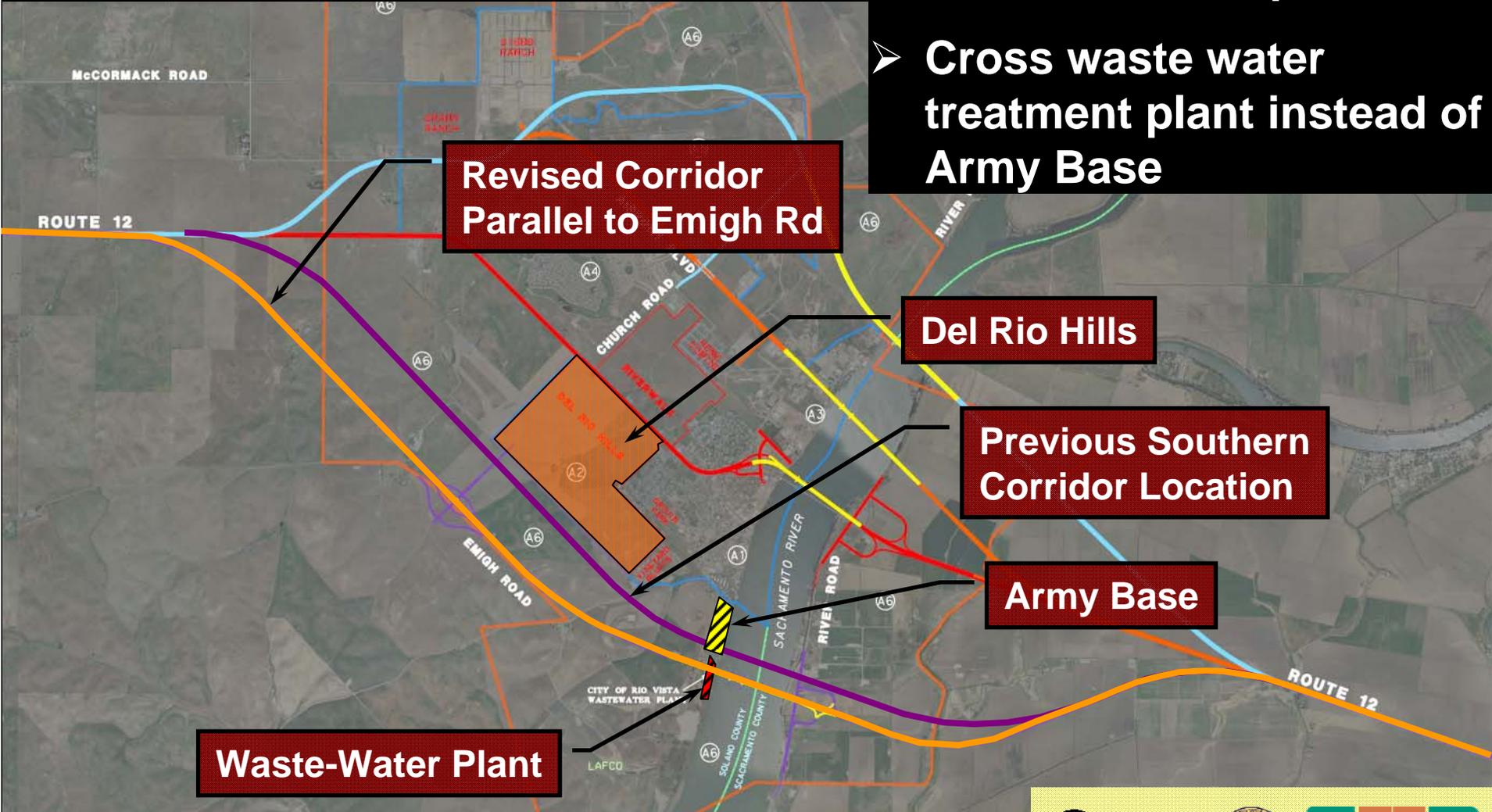


Solano Transportation Authority

Project Update

Specific Comments

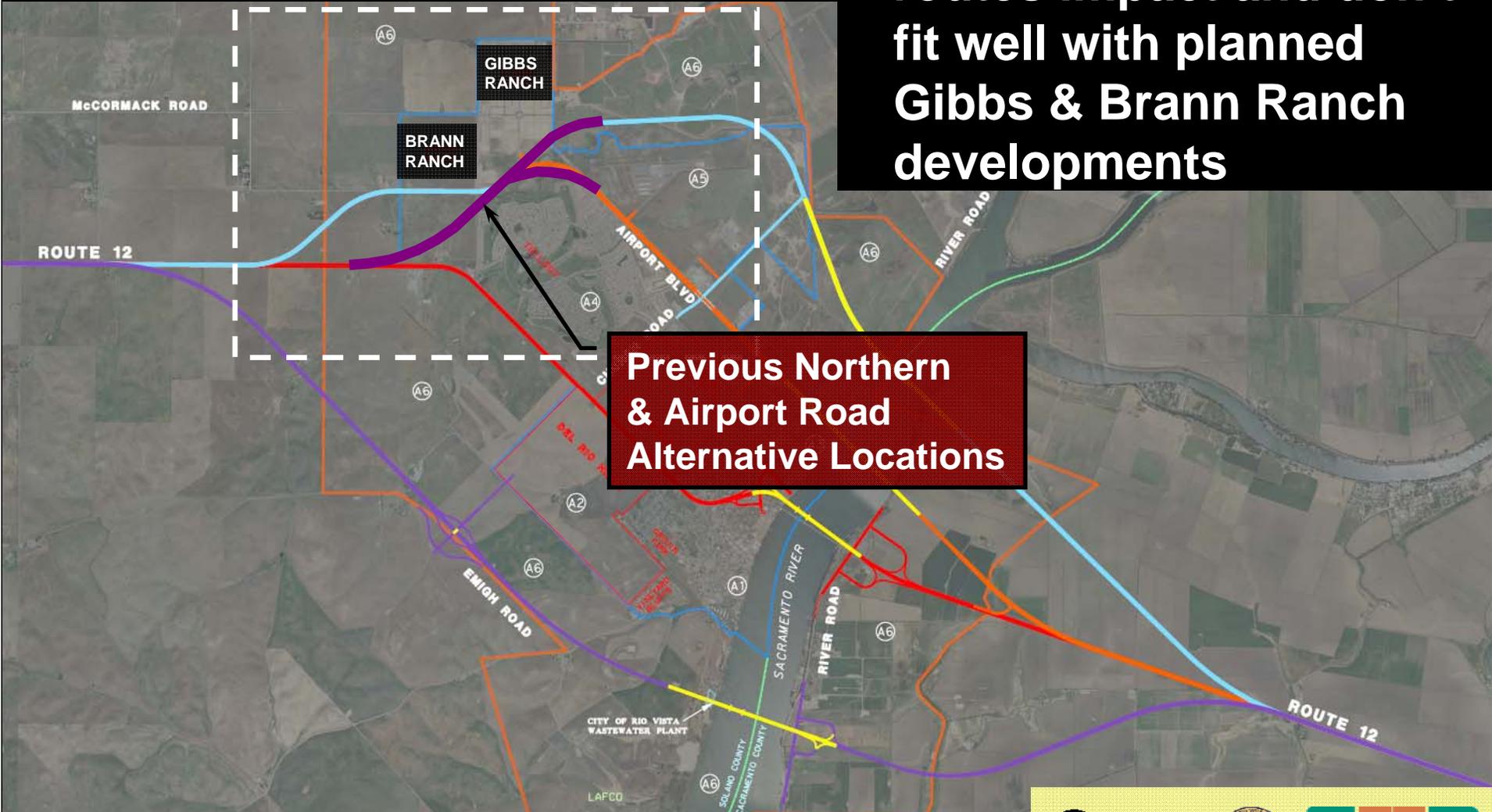
- Too close to planned Del Rio Hills Development
- Cross waste water treatment plant instead of Army Base



Project Update

Specific Comments

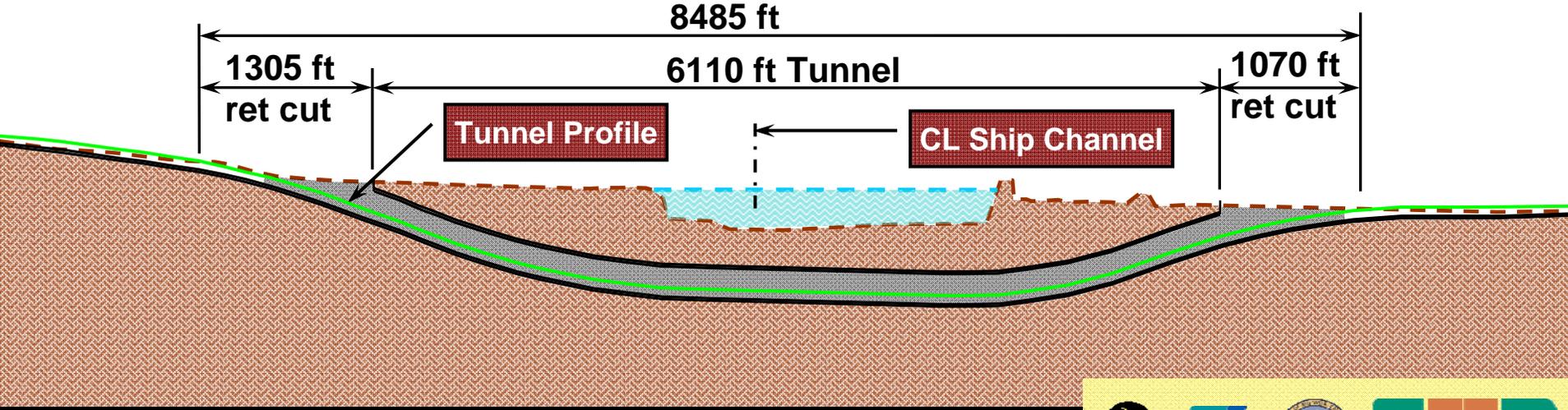
➤ Previously presented routes impact and don't fit well with planned Gibbs & Brann Ranch developments



Previous Northern & Airport Road Alternative Locations

Project Update

Existing Route Tunnel Alternative

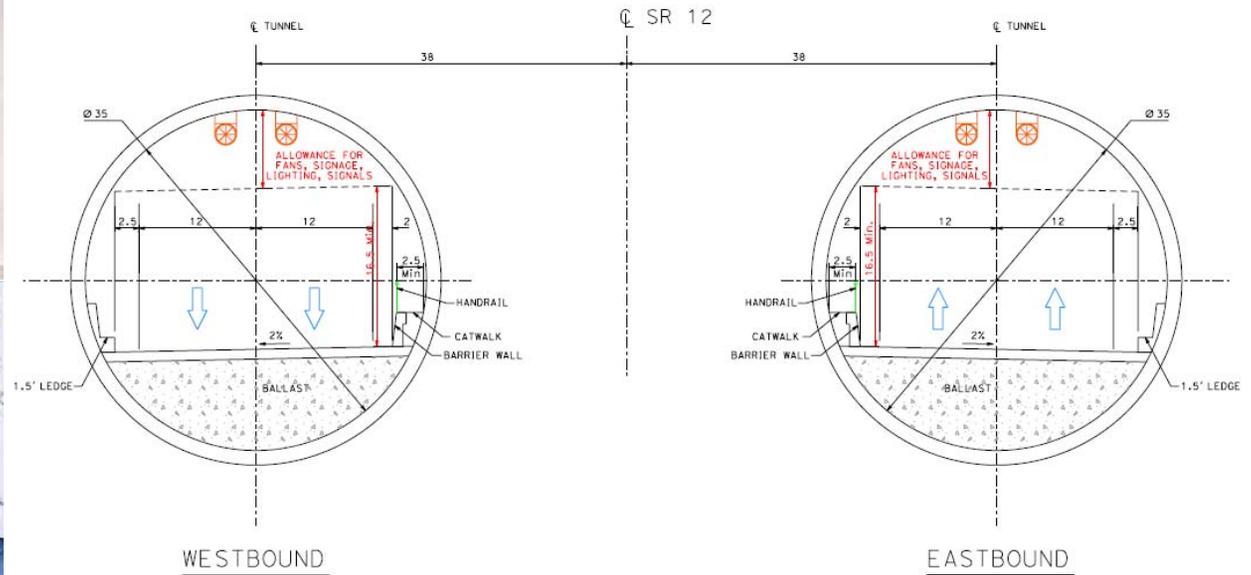


Project Update

Existing Route Tunnel Alternative



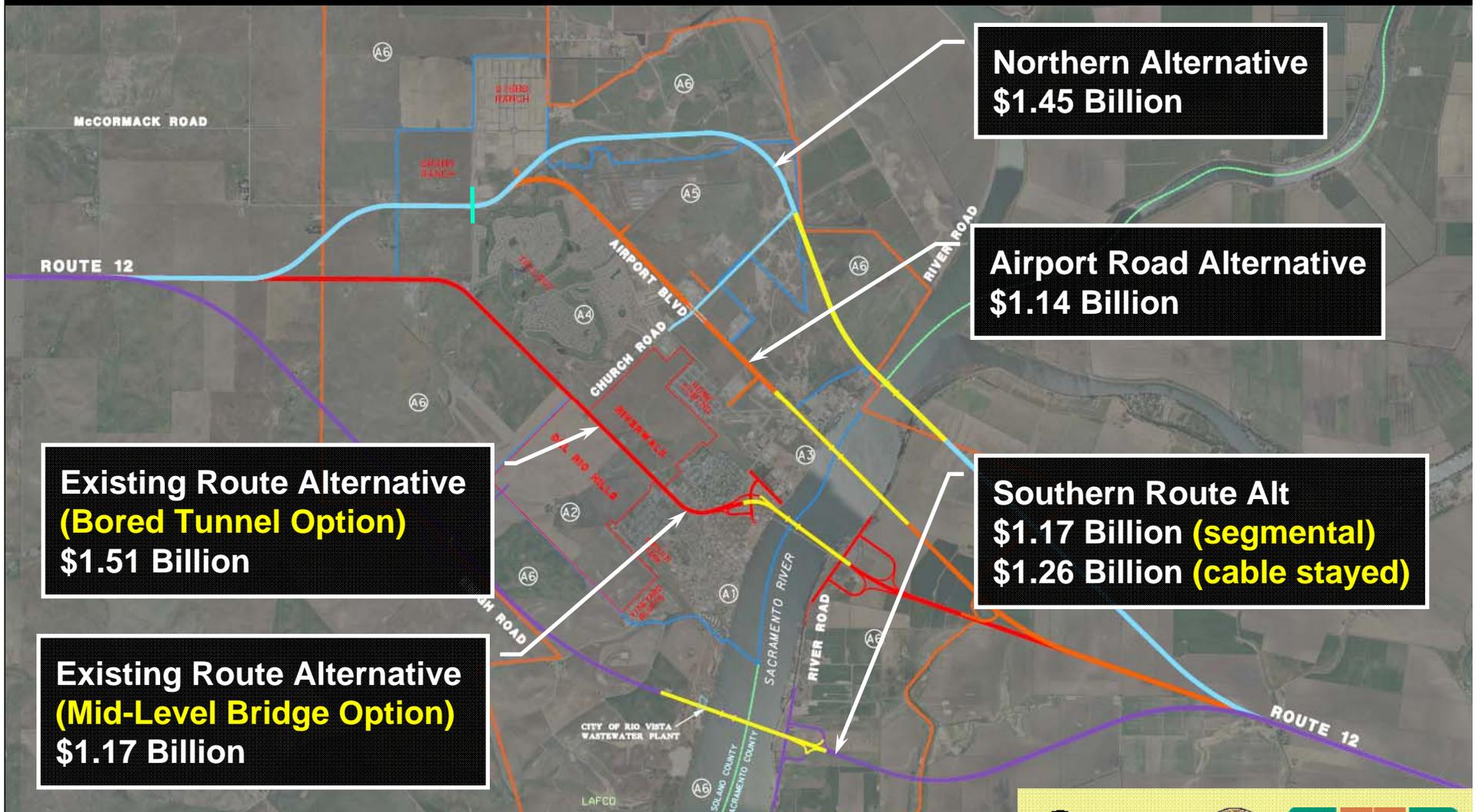
Twin Bore



Tunnel Boring Machine

Estimated Project Costs

Total Cost for Programming Escalated to Year 2022



- **Project Requires Significant Funding Up Front:**
 - Environmental Clearance
 - Design Engineering
 - Right-of-Way Acquisition
- **Potential Funding Sources Available Today:**
 - State [State Transportation Improvement Program (STIP)]
 - Federal (Grants, Earmarks, etc.)
 - Local (Developer Impact Fees, Transportation Sales Tax, etc.)
 - Tolls



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