

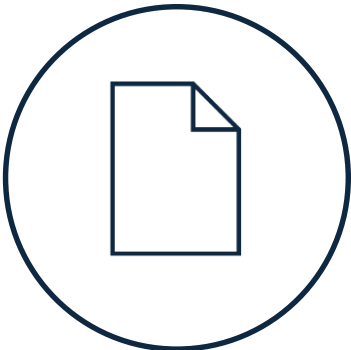


Beaumont Truck Routing Study Update

Presented By: Jolene Hayes, Fehr & Peers

Beaumont City Council - May 21, 2024

Beaumont Truck Routing Study Update



TRENDS & REGULATIONS

- National Trends
- Local
- State
- Federal



EXISTING CONDITIONS

- Truck Patterns
- Truck Volumes
- Secondary Impacts



DEVELOPMENT AND GROWTH

- Regional Growth
- Beaumont & Adjacent Cities



KEY CORRIDORS

- Interstates
- State Routes
- Local Corridors



TRUCK ROUTING CONSIDERATIONS

- Safety
- Access
- Roadway Impacts



Supply Chain & Trucking Trends

Development

- Drivers of Development (e-Commerce, Re-shoring, etc.)
- Scale (High-Cube, Automated Warehouses)
- Operations (JIT, JIC, same-day, etc.)
- Future Projections

Truck Routing / Access

- Truck Access Required for Industrial and Commercial Uses
- Growing Demand for Zoning/Land Use Changes (e.g., Banning)
- Growing Congestion at Interchanges and Rail Crossings
- ZE Trucks and Access to Charging Stations

Truck Parking

- ← So Cal lacks sufficient truck parking
- ← HOS Rules require truck drivers to park and rest
 - ← 1 in 10 trucks parking at or near delivery/pick-up location for a minimum of 30 minutes
 - ← 1 in 20 trucks parking at or near delivery/pick-up location for more than 9 hours



Regulatory Landscape



LOCAL

- ✓ GP Truck Routes
- ✓ No locally designated STAA routes
- ✓ Beaumont truck parking prohibition
- ✓ No off-street truck parking development standards



STATE

- ✓ CA Legal Truck Size
- ✓ Truck Route Restrictions
- ✓ AQ Standards



FEDERAL

- ✓ STAA Regulations
- ✓ Hours of Service (HOS)
- ✓ Electronic Logging Devices (ELD)



Local Authority

Truck Routes

- Access must be provided to truck generators
- Designation of local truck routes for CA Legal Trucks
- Designation of STAA Routes

On-Street Truck Parking

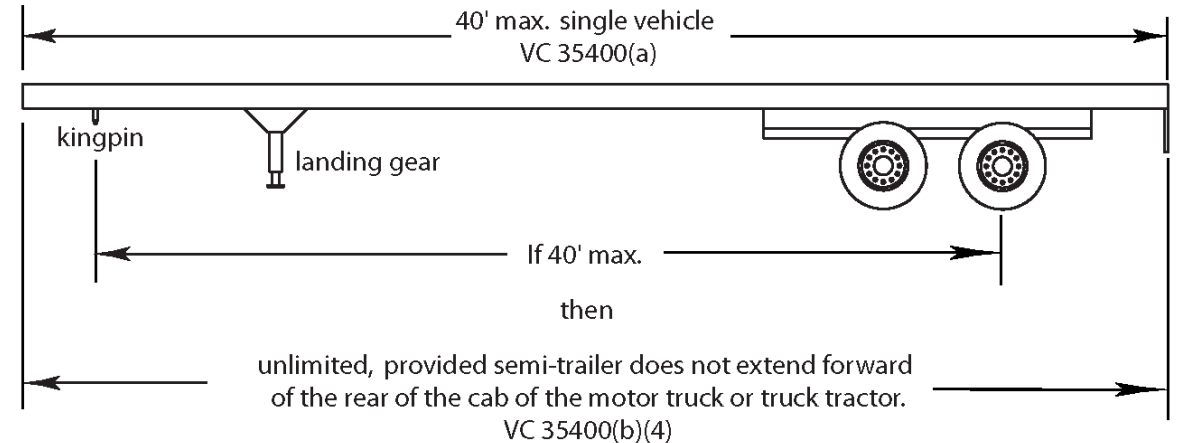
- Beaumont prohibits it in all zoning districts
- County permits on-street truck parking



California Commercial Vehicle Regulations

Legal Truck Size & Weight Limits

- Length: 65 feet for single trailer; 75 feet for double
- King Pin to Rear Axle (KPRA): 40 feet
- Height of Load: 14 feet
- Width: 102 inches
- Weight: 80,000 pounds



Not allowed where route is posted for a 38' max. kingpin to last axle. VC 35401(e) & (f)

May be operated on local roads only where it is deemed safe by the owner or person operating. VC 35401.1

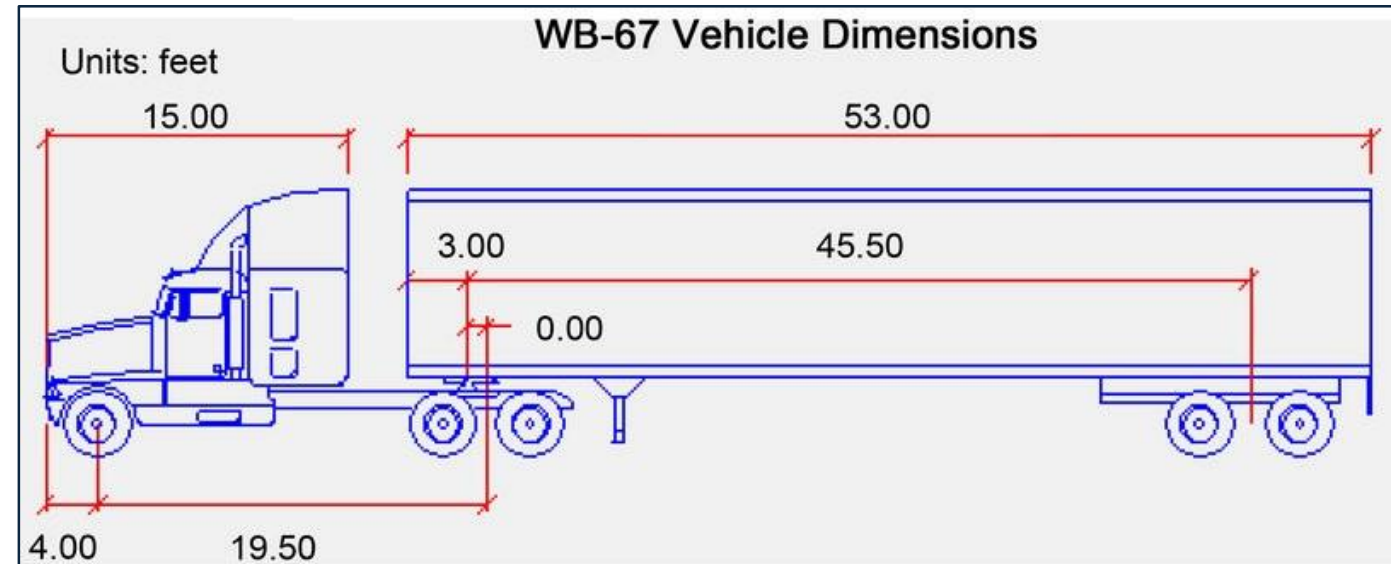




Truck Route Design Guidance

Truck Route Design Considerations

- Recommended Lane Width:
 - Inside lane: 11 feet
 - Outside lane: 12 feet
- Turning Radius/Curb Return:
 - 50-foot (ideal to minimize overtaking)
- Median Considerations/Options:
 - Painted instead of raised
 - Mountable curb
 - Construct median without a nose





Federal Commercial Vehicle Regulations

STAA (1982) Truck Regulations Size & Weight Limits

- **Truck Weight (tractor and trailer)**
 - 80,000 pounds
- **Axle Loads**
 - 20,000 pounds on a single axle
 - 34,000 pounds on closely spaced pair of axles
- **Max width**
 - 102 inches
- **Max length/number of trailers**
 - One 48-foot trailer
 - Two 28-foot trailers



Federal Truck Driver Requirements

HOS & ELDs

- HOS rules adopted in October 2016
- Full ELD Compliance December 2019

Penalties

- Fines up to \$16k
- Downgrade to driver's safety record
- Loss of CDL

11-Hour Driving Limit

May drive a maximum of 11 hours after 10 consecutive hours off duty.

Rest Breaks

May drive only if 8 hours or less have passed since end of driver's last off-duty or sleeper berth period of at least 30 minutes.

14-Hour Driving Limit

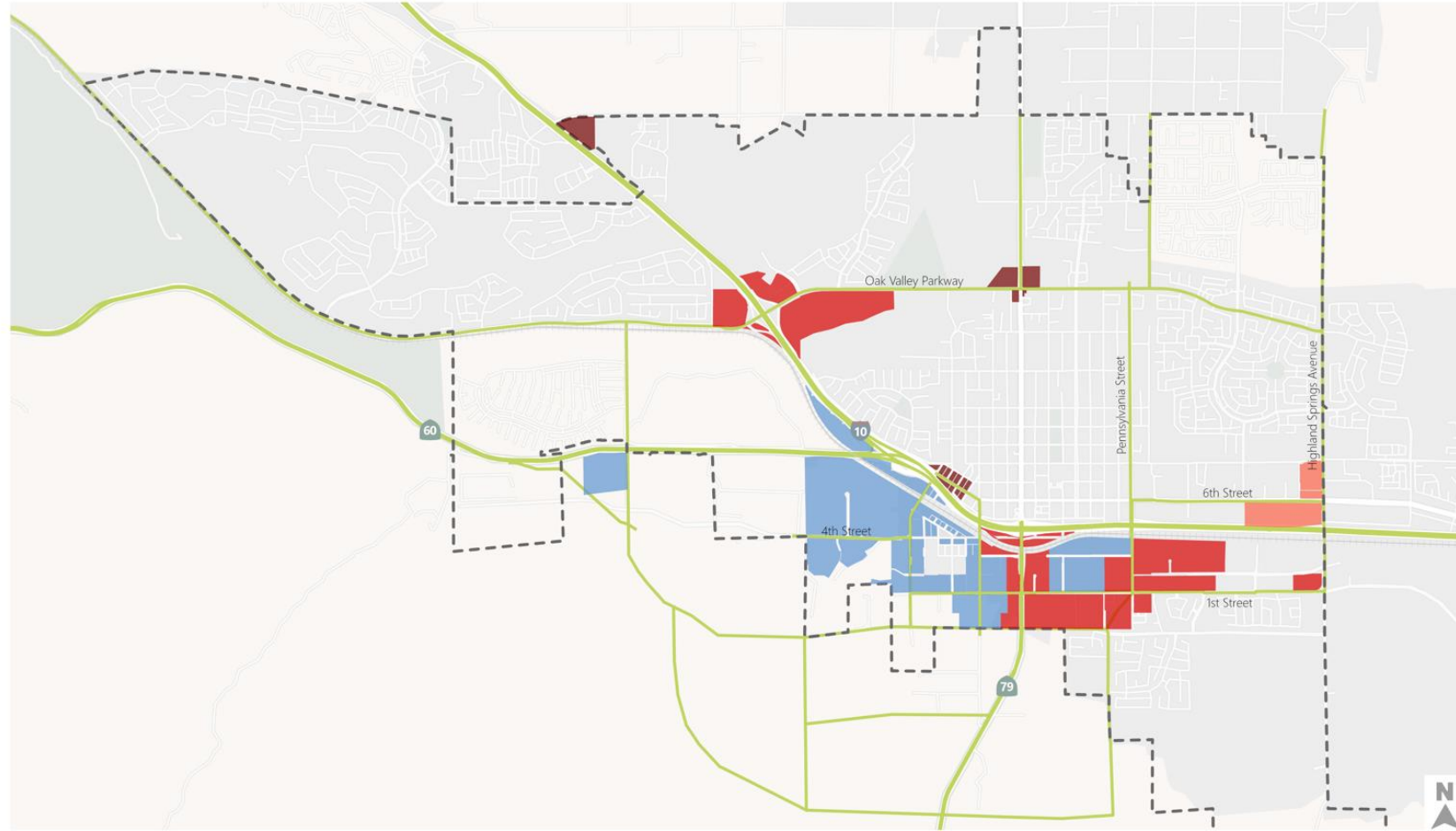
May not drive beyond the 14th consecutive hour after coming on duty, following 10 hours off duty. Off-duty time does not extend the 14-hour



60/70-Hour Driving Limit

May not drive after 60/70 hours on duty in 7/8 consecutive days.



Commercial and Industrial Zoning

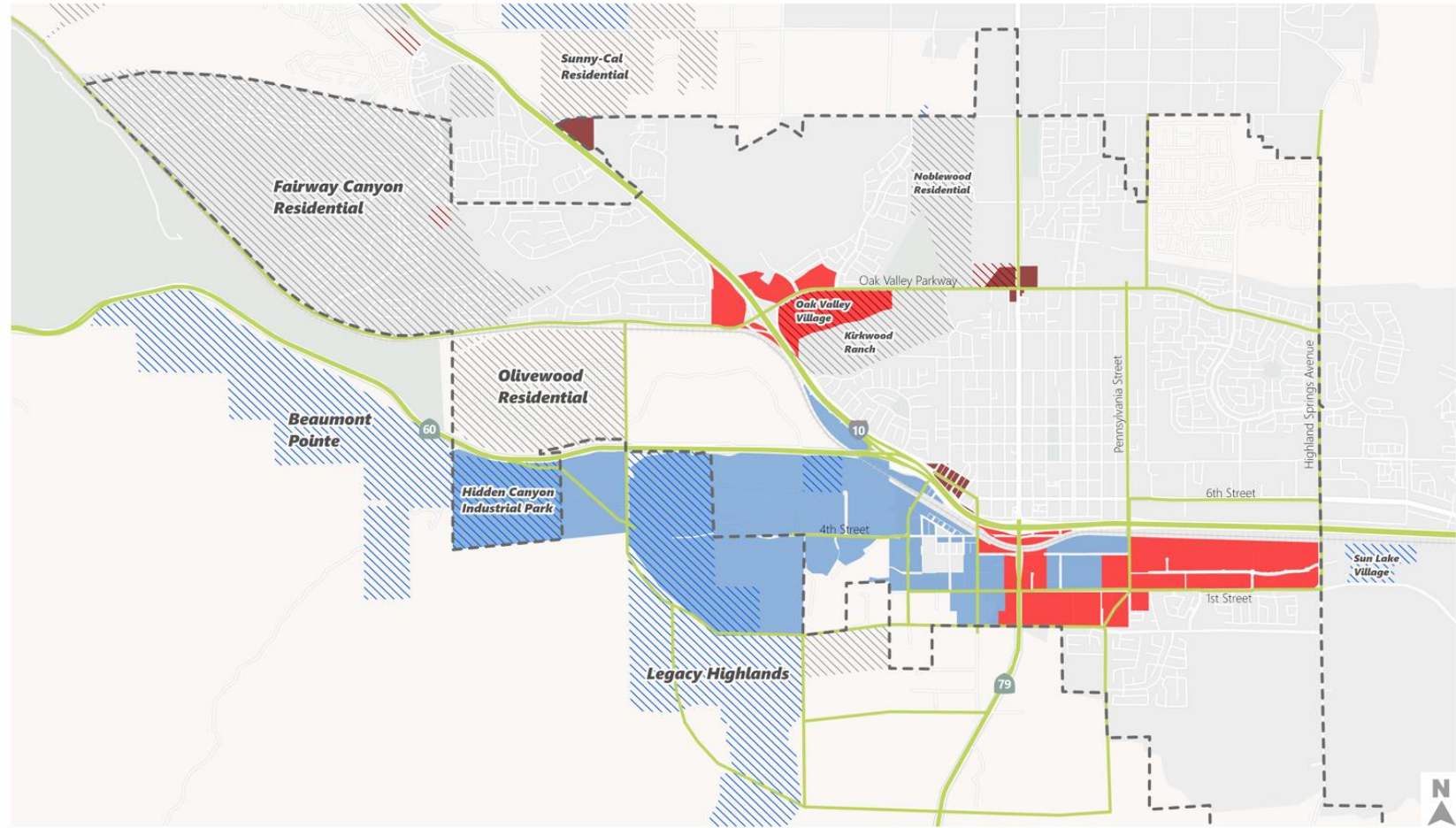


 City of Beaumont
 Truck Priority Network

Zoning
 Local Commercial
 Community Commercial
 Commercial Neighborhood
 Manufacturing



Existing Land Use & Proposed Development



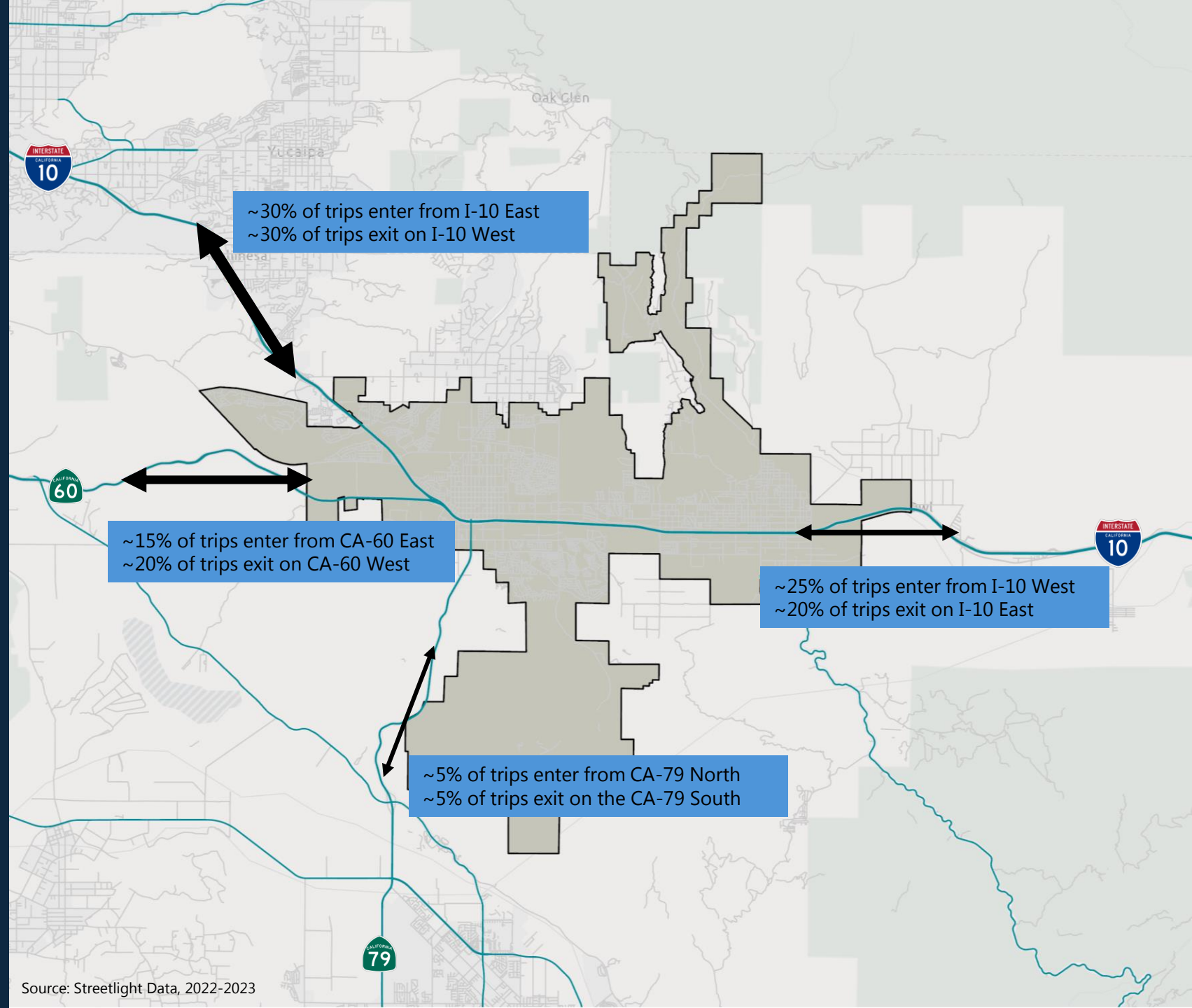
City of Beaumont
 Truck Priority Network

Land Use
 Industrial
 General Commercial
 Neighborhood Commercial

Related Projects
 Industrial
 Commercial
 Residential



Existing Conditions: Truck Origins and Destinations





In Progress/ Complete Industrial Developme nt



ROLLING HILLS RANCH

- Location: W 4th St / Distribution Wy
- ~153 acres
- 3 MSF industrial

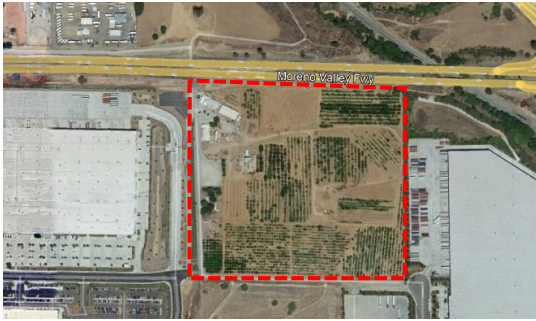


POTRERO LOGISTICS CENTER

- ← Location: W 4th St / Potrero Blvd
- ← ~32 acres
- ← 577 KSF industrial

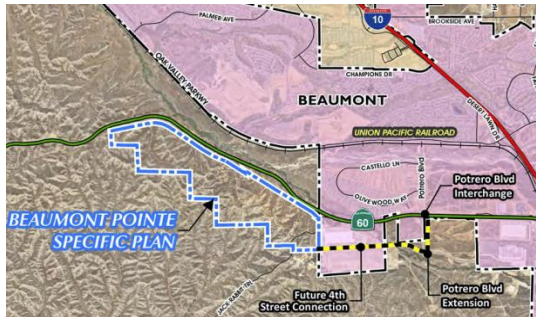


Proposed Industrial Development



ORCHARD LOGISTICS

- Location: Western Knolls Ave / Prosperity Wy
- ~31 acres
- 590 KSF industrial, 20 KSF office



BEAUMONT POINTE SP

- Location: W 4th St Corridor
- ~540 acres
- 5.3 MSF Total
 - ~5 MSF industrial



LEGACY HIGHLANDS

- Location: W 4th St / Distribution Wy
- ~1,415 acres
- up to ~20 MSF industrial
- up to ~145 KSF commercial



Proposed Industrial Developme nt in Banning



Sunset Crossroads

- Status: Proposed
- Bound by Highland Home Rd, I-10/RR ROW, Sunset Ave, and Bob Cat Rd
- ~534 acres
- Incl: ~5.545 MSF industrial, travel center

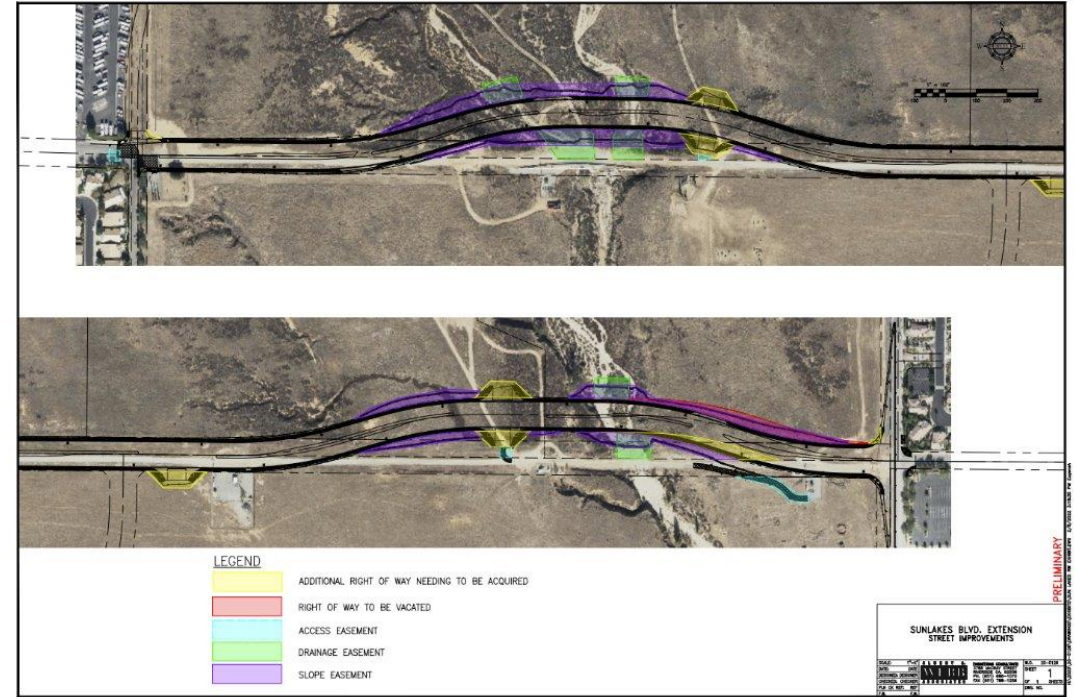


Sun Lake Village North

- Status: Proposed
- Location: Sun Lakes Bl at Country Club Dr
- ~47 acres
- ~620 KSF industrial

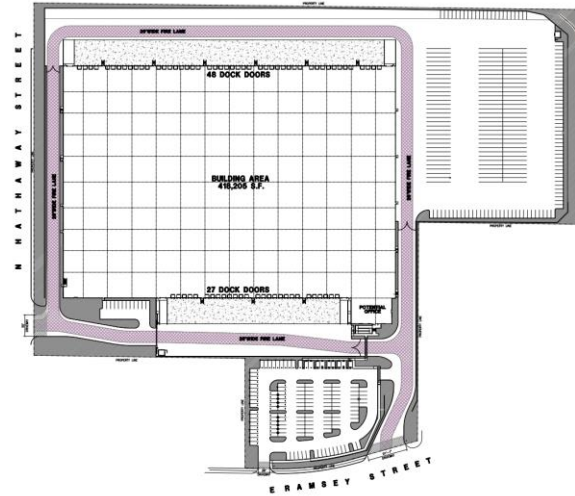


Sun Lake Village and Sunset Crossroads



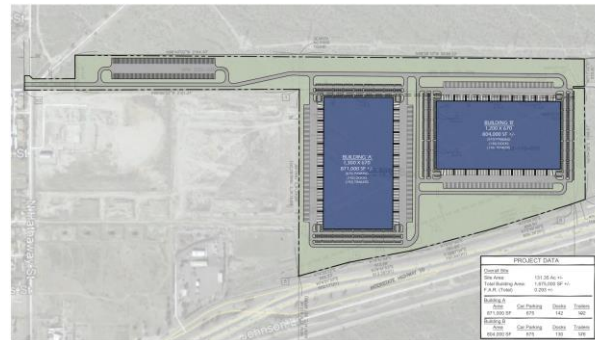


Proposed Industrial Development in Banning



Banning 25

- Status: Proposed
- Location: Ramsey St & Hathaway St
- ~25 acres
- ~418 KSF industrial

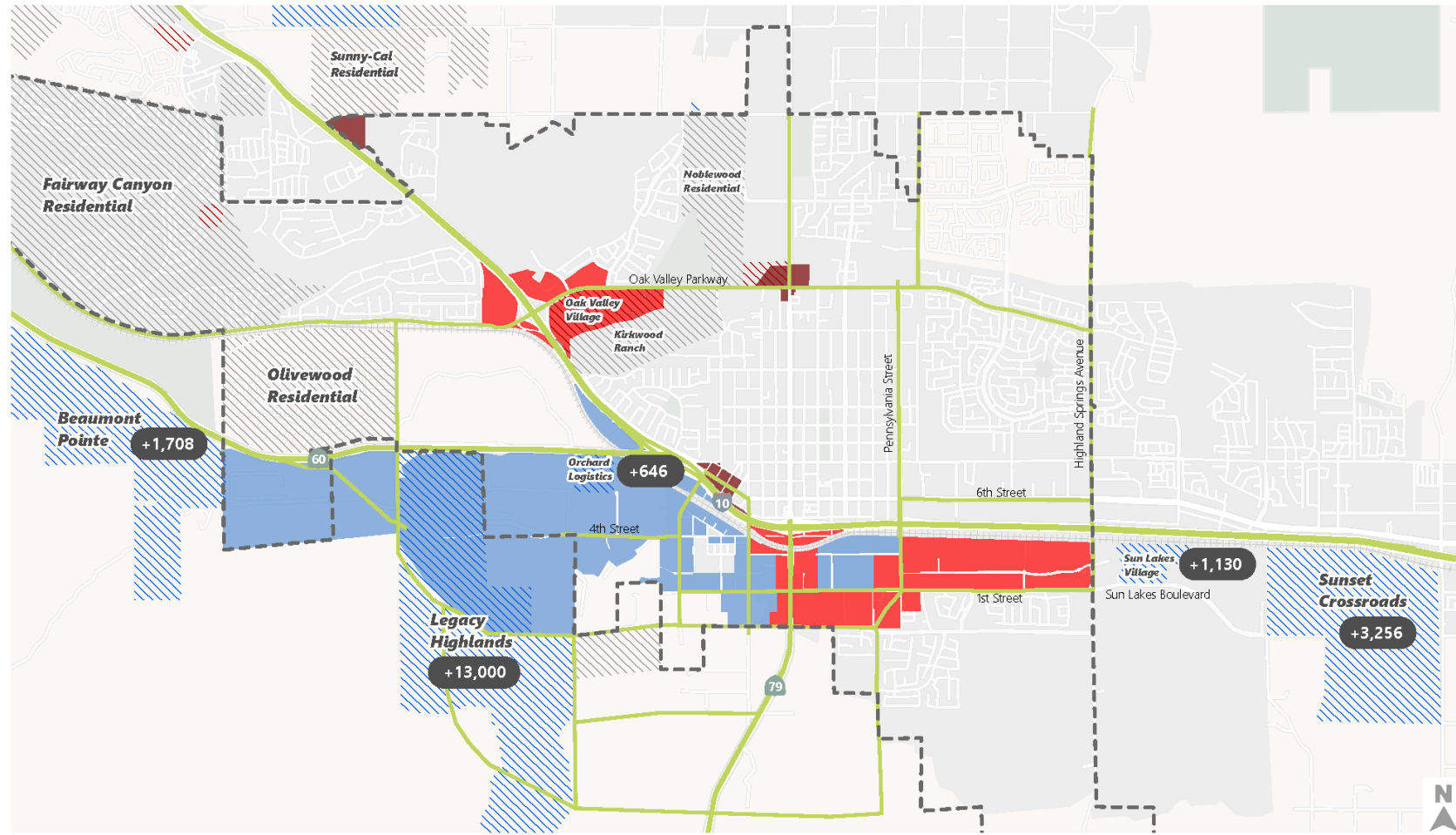


Banning Commerce Center

- Status: Proposed
- Location: N Hathaway St & Morongo Rd
- ← ~132 acres
- ← 1675 KSF industrial
- ← 368 Trailer Spaces
- ← 272 Docks



Anticipated Truck Volumes



City of Beaumont

Truck Priority Network

+X,XXX Additional Daily Truck Trips

Land Use

Industrial

General Commercial

Neighborhood Commercial

Related Projects

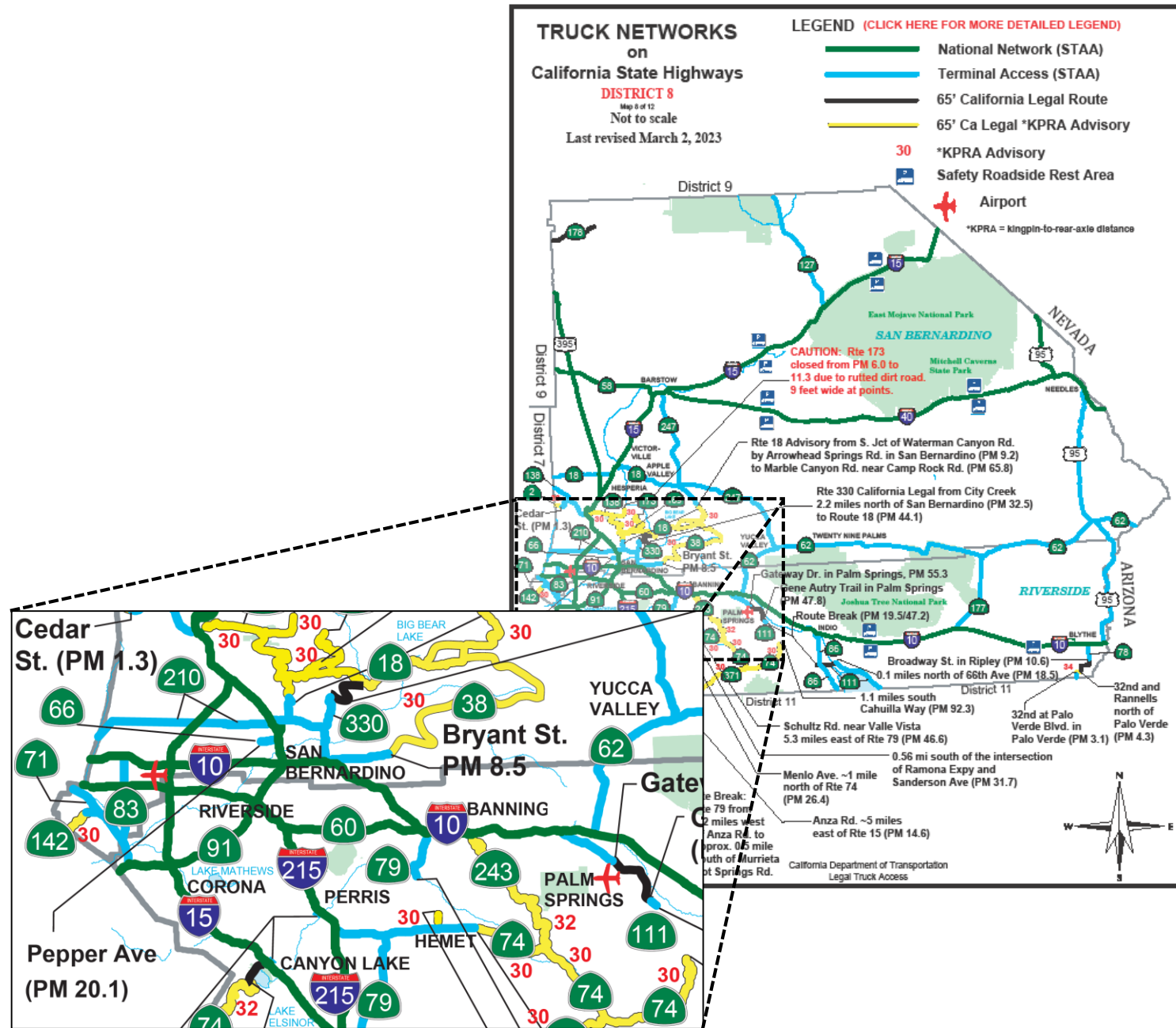
Industrial

Commercial

Residential

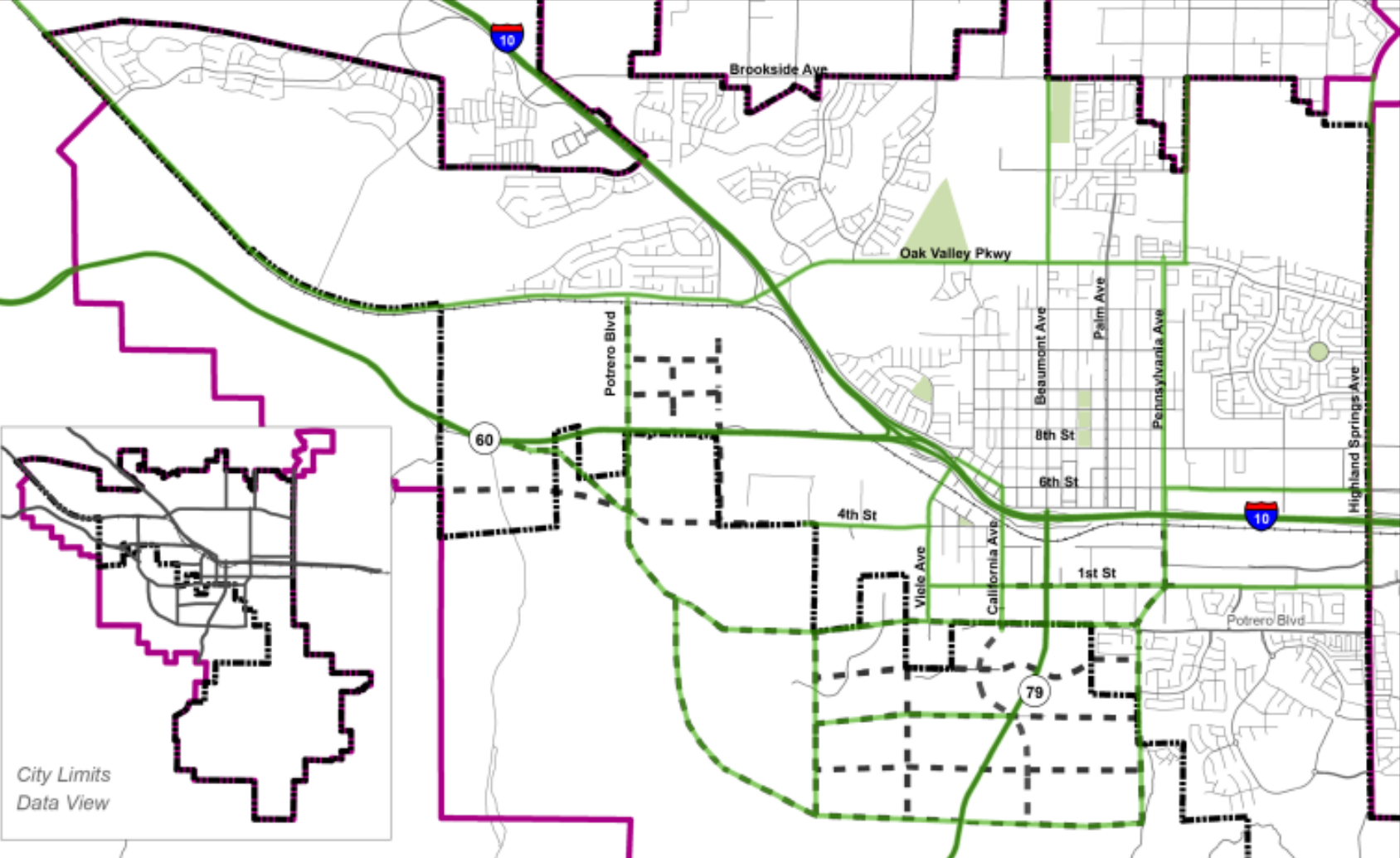


Caltrans District 8 Truck Routes

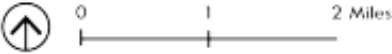




Truck Priority Network (Beaumont GP)



City Limits
Data View

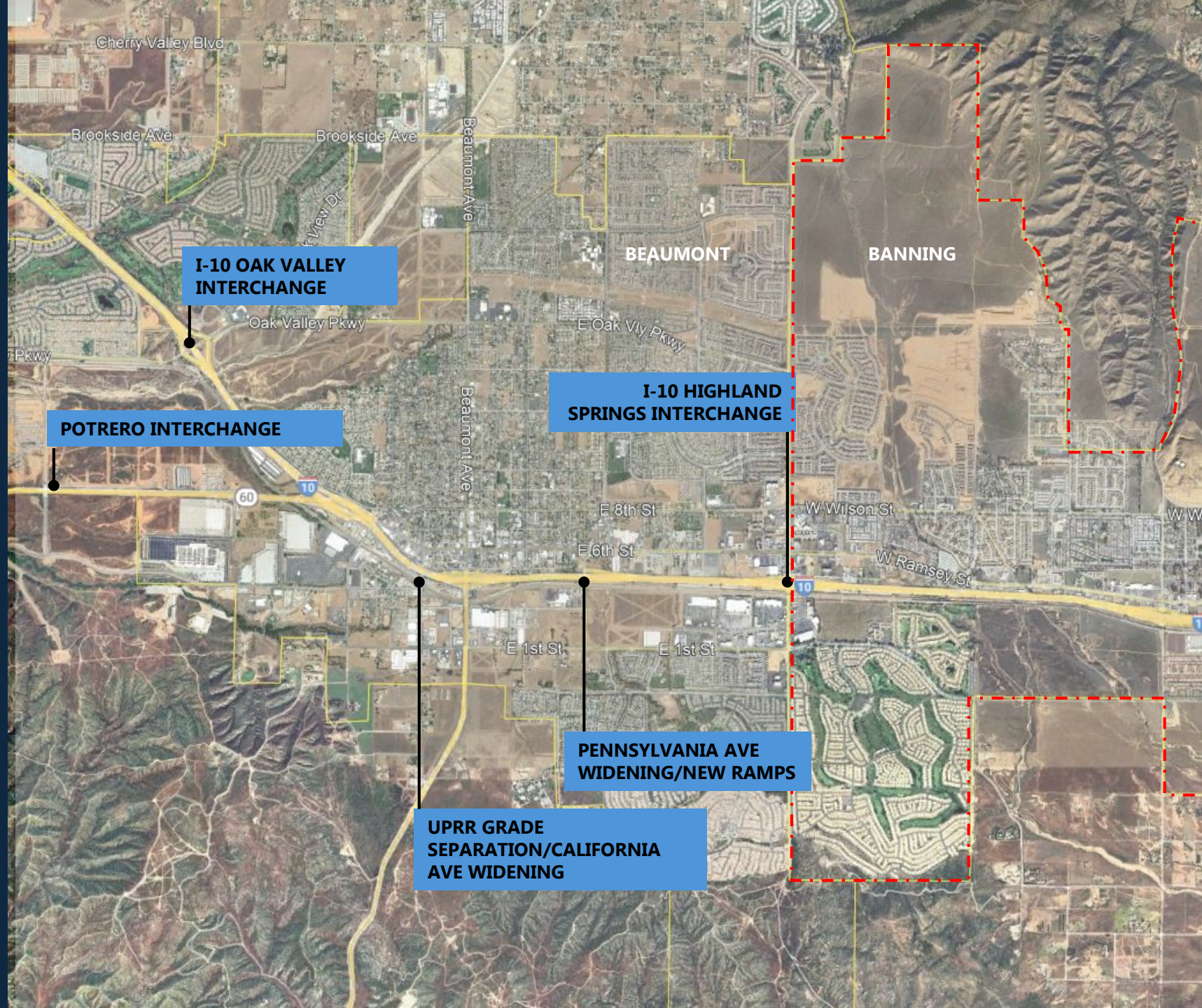


- City Boundary
- Truck Priority
- Sphere of Influence
- Potential Roadways





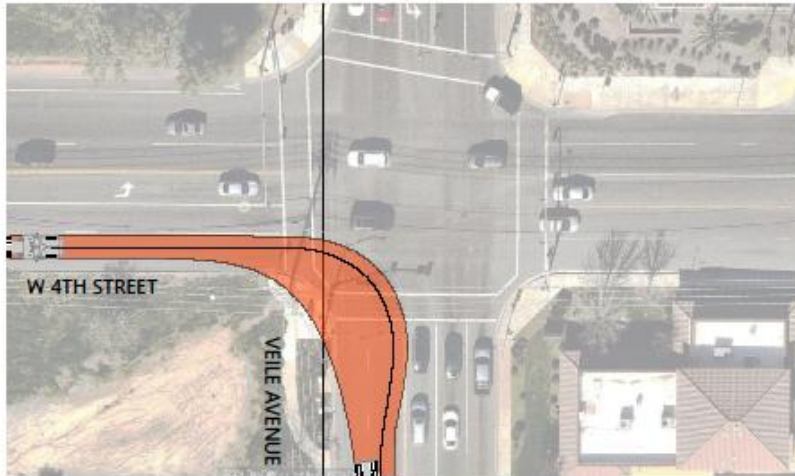
Infrastructure Projects



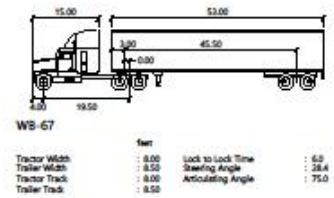
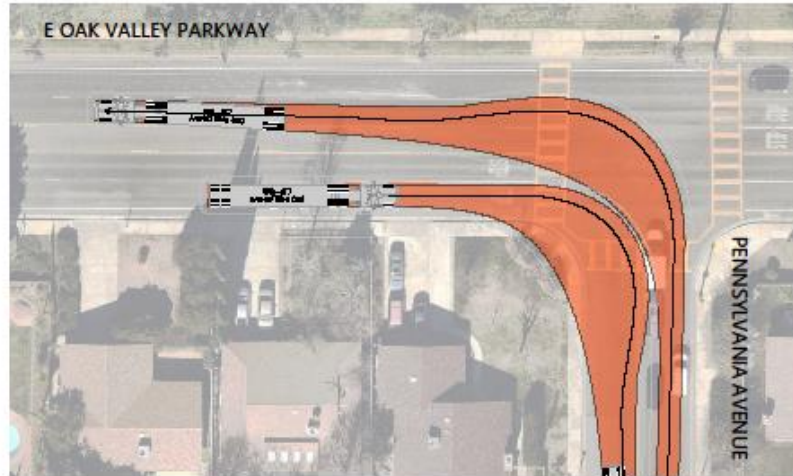


Turning Movements for WB-67

**Eastbound W 4th St
to Southbound Veile Ave**



E Oak Valley Pkwy / Pennsylvania Ave



**Eastbound E 1st St
to Northbound Pennsylvania Ave**

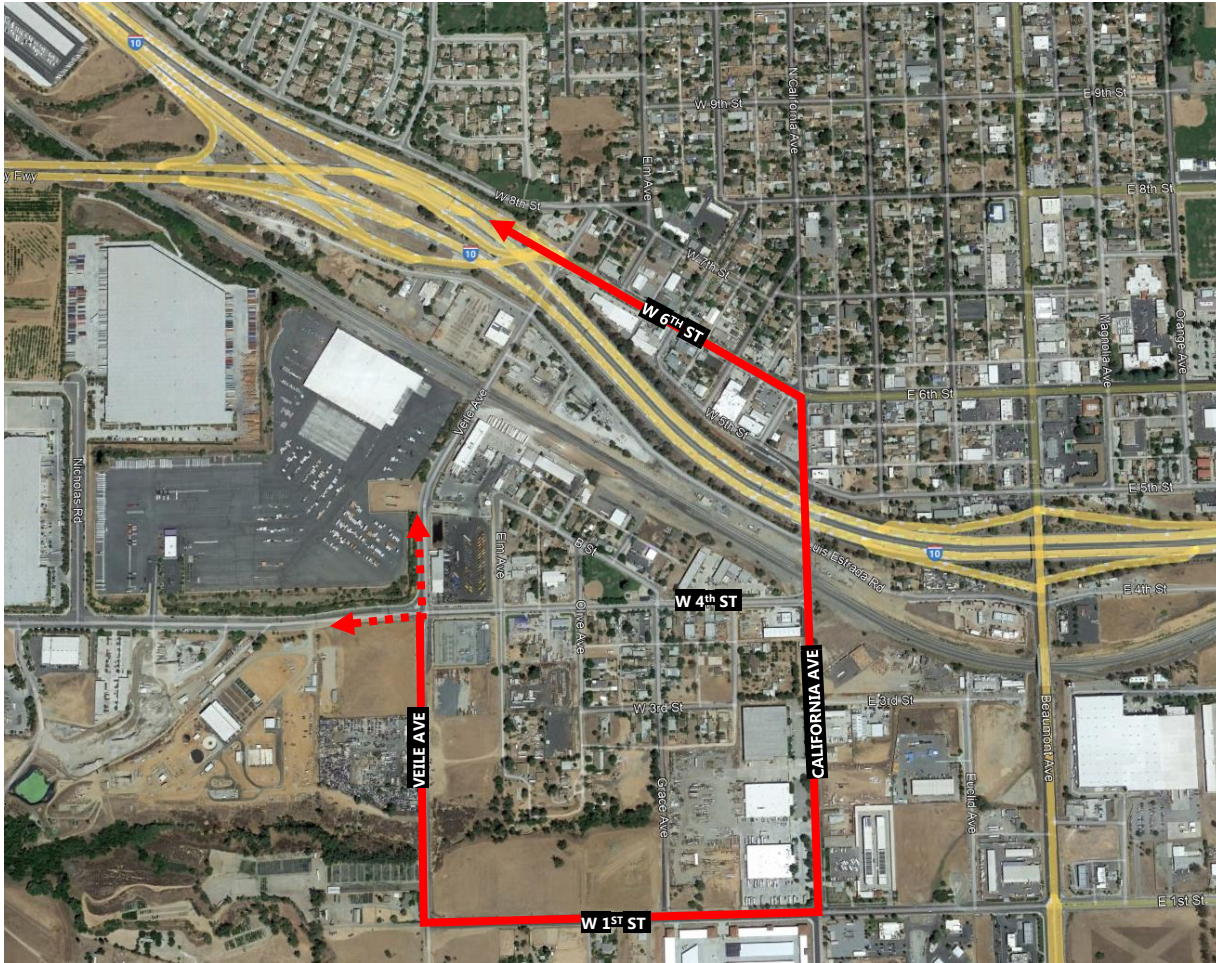


**Northeastbound Veile Ave
to Southeastbound Luis Estrada Rd**

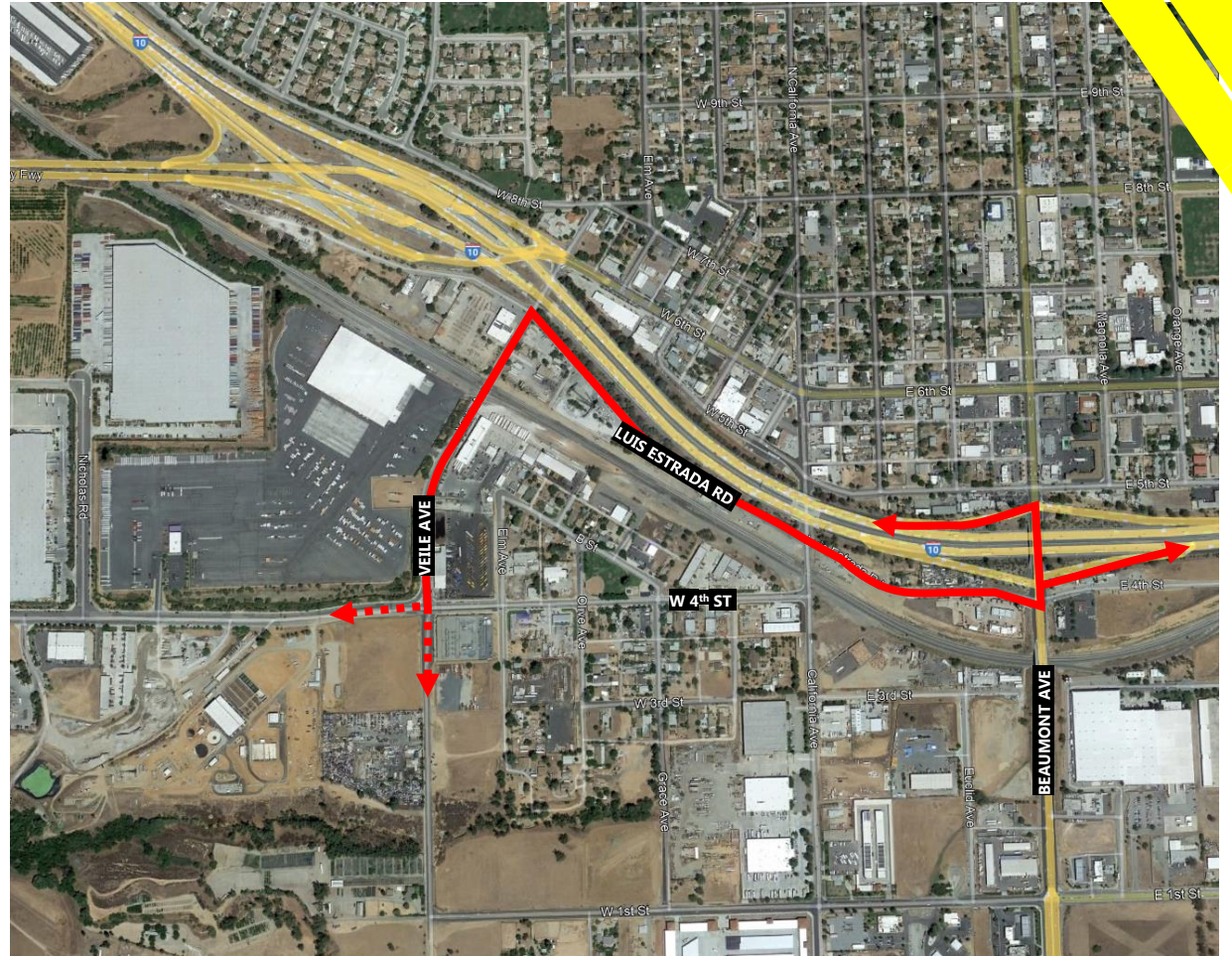




Route Alternatives



Elevate Beaumont 2040



Alternative Route - via Luis Estrada Rd



Thank You