

August 27, 2026

Freight Planning at the Crossroads of the West: State Route Corridor Connecting to

Central California Regional Freight Forum



www.kerncog.org/goods-movement/
www.kerncog.org/kargo/

100 Years of the Mother Road



MOTEL

A Guide to the Route 66 Centennial
(1926 - 2026)

DIRECT DIAL
QUEEN BEDS
H.B.O. CABLE T.V.
LARGE FAMILY ROOMS
NO VACANCY

Did you know The Mother Road had 6 Daughters?

The 6 “Daughter Roads” of Route 66



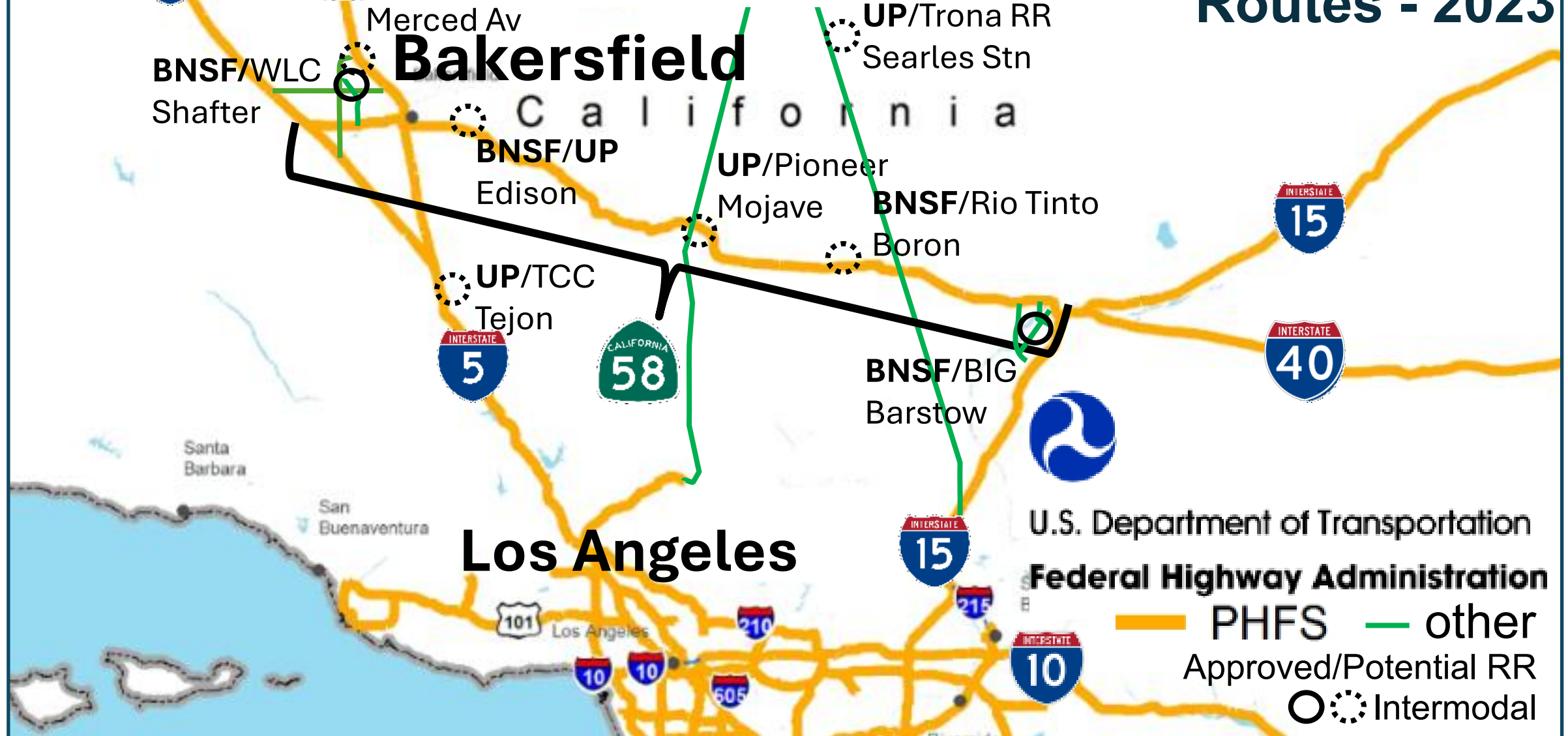
The Birth of U.S. 466

In 1933, the American Society of State Highway & Transportation Officials (AASHTO) Created US 466 from California's Proposed Route 64 that shared most of the same route as 66.

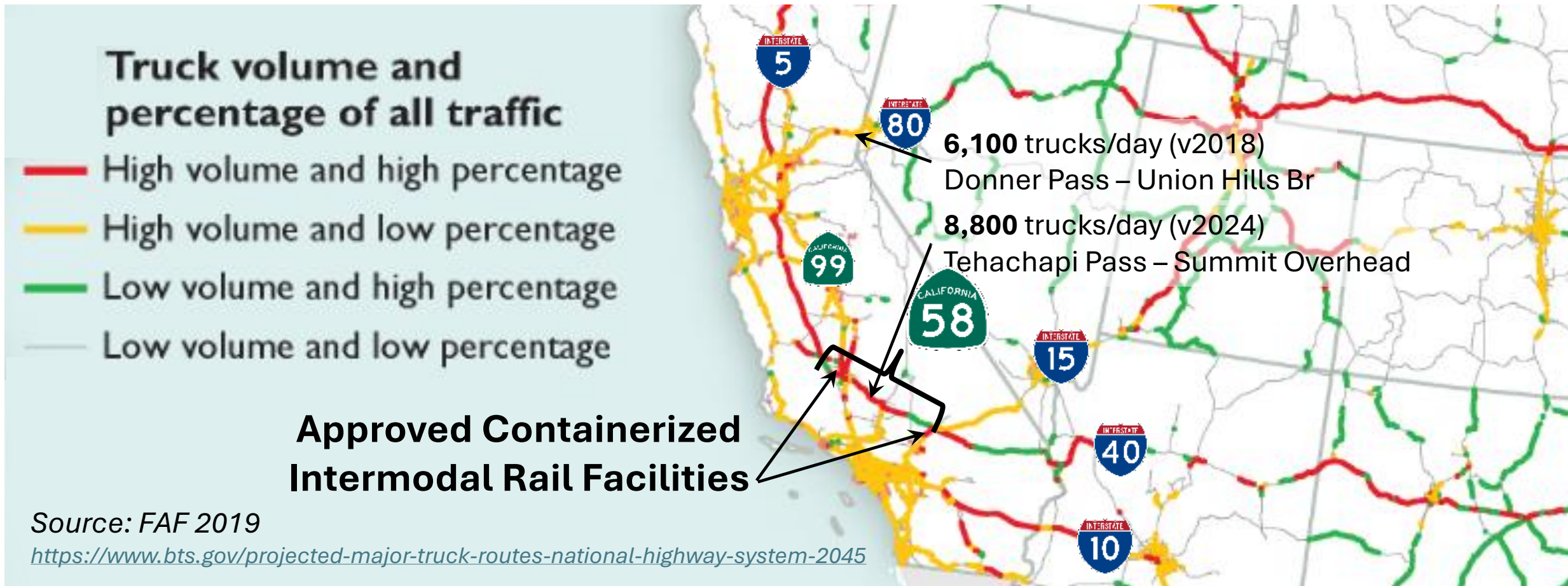
Parts of Route 466 in Nevada lasted to 1971.



National Highway Freight Network (NHFN) Primary Highway Freight System (PHFS) Routes - 2023

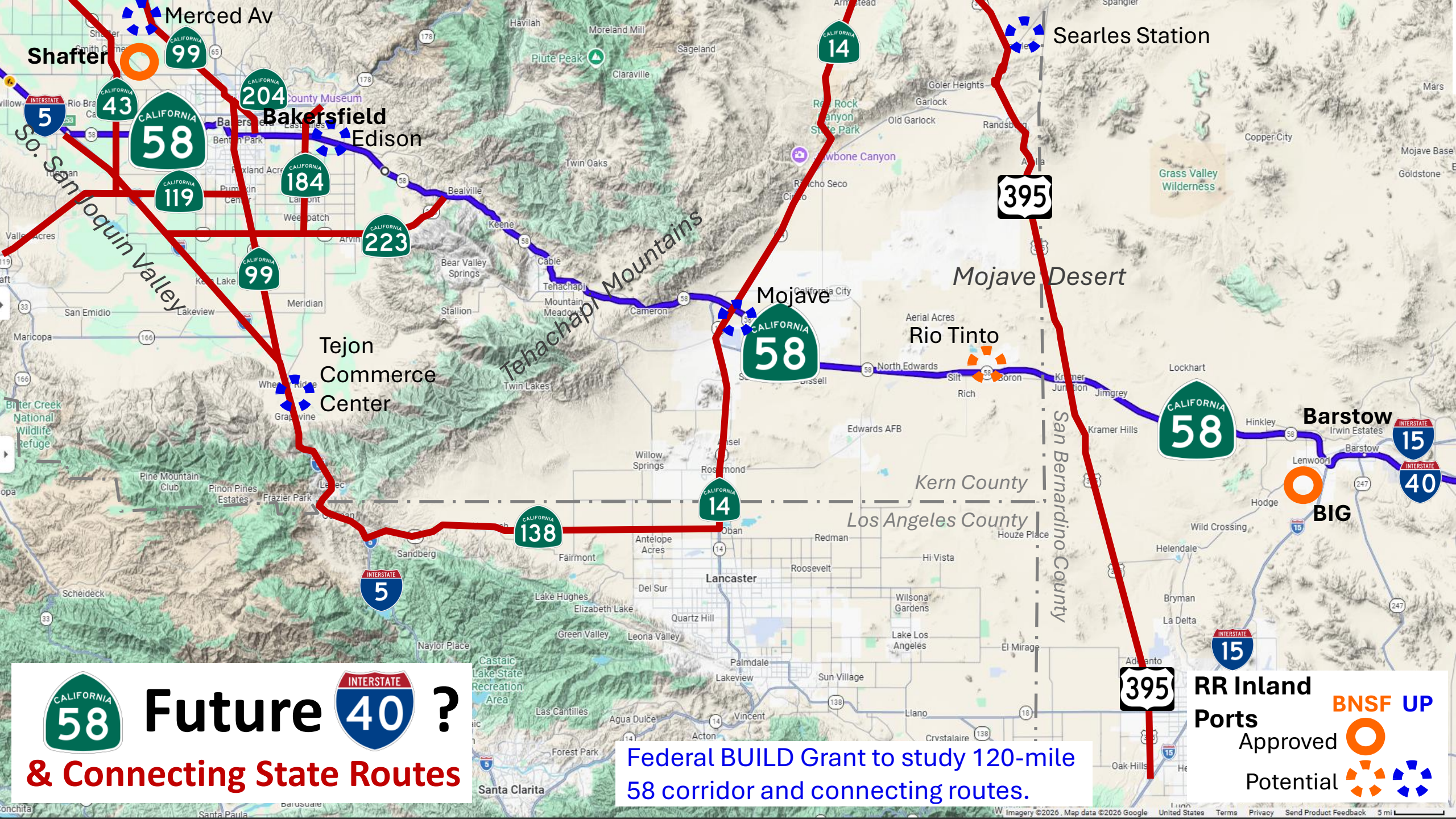


According to the 2023 CA Freight Mobility Plan:
*“SR 58 experienced an **almost four-thousand-trucks-per-day increase since 2011** and has **25% more truck traffic than I-80 Donner Pass**” p. 315 – **By 2024 this had grown to 44% higher!***



Source: FAF 2019

<https://www.bts.gov/projected-major-truck-routes-national-highway-system-2045>



 Future ?
& Connecting State Routes

Federal BUILD Grant to study 120-mile 58 corridor and connecting routes.

RR Inland Ports

BNSF UP

Approved 

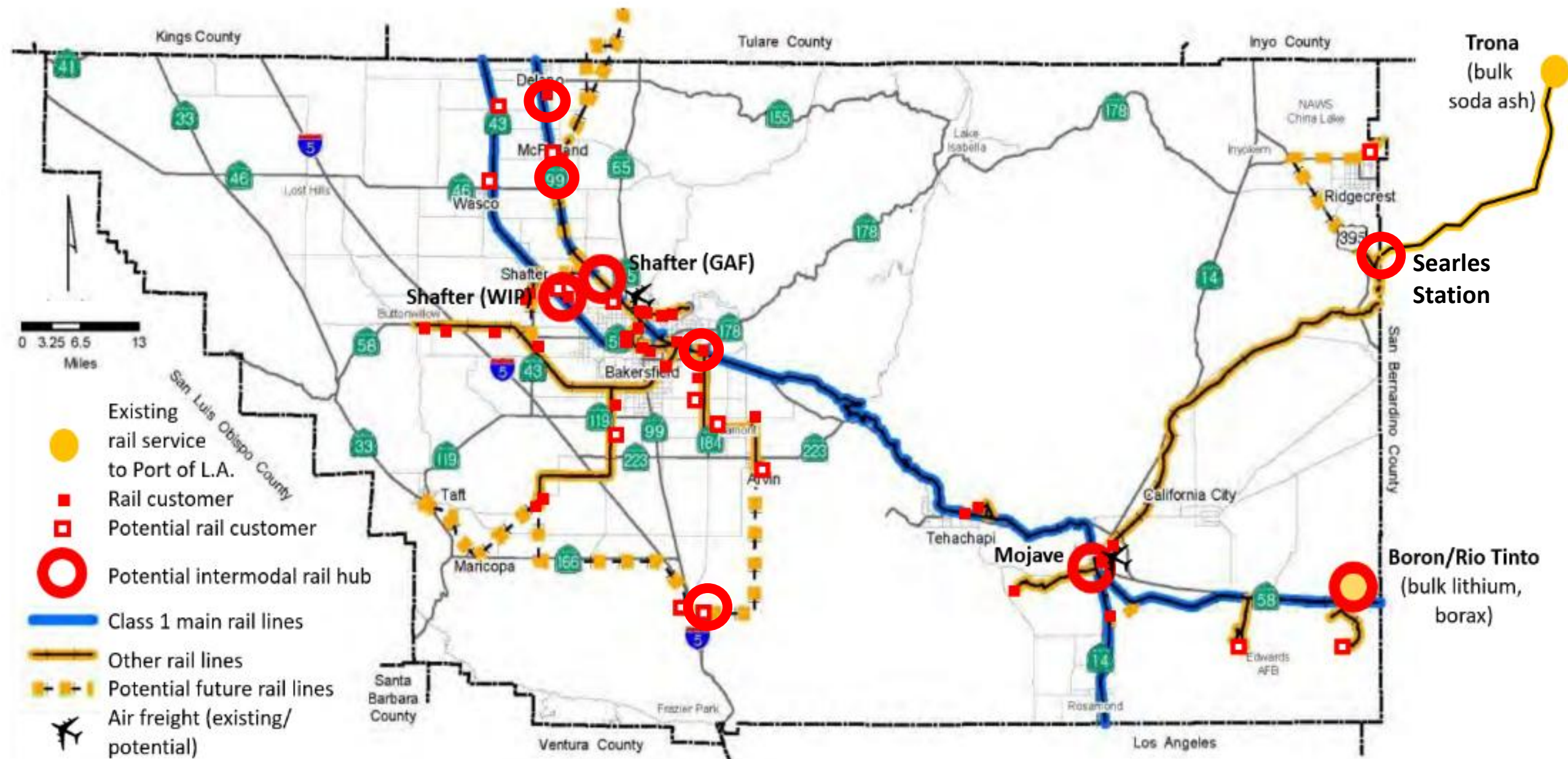
Potential 

Section 2

The Rail Corridor & Inland Ports

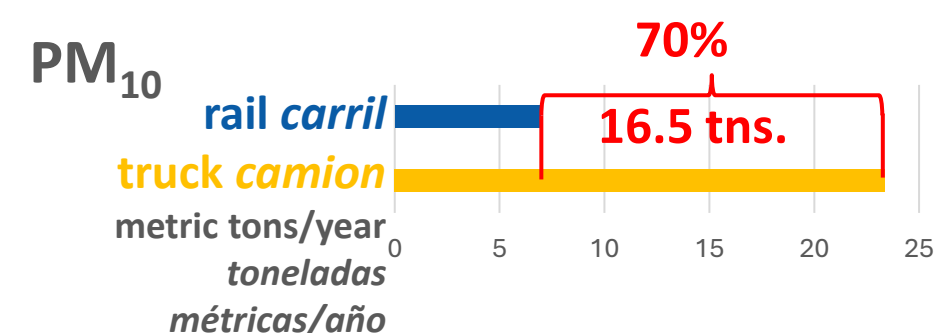
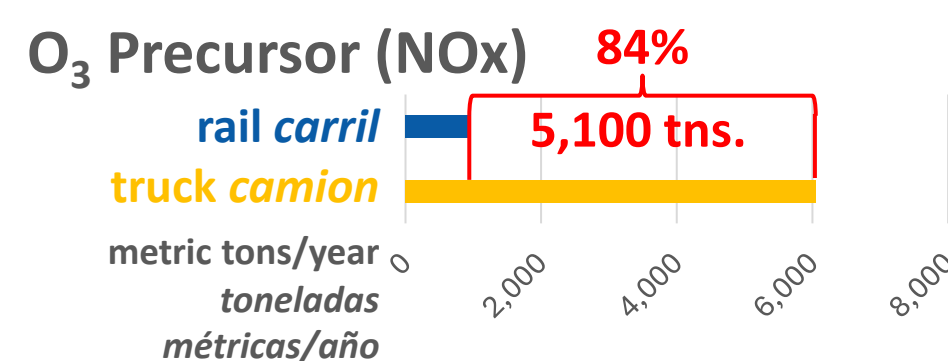
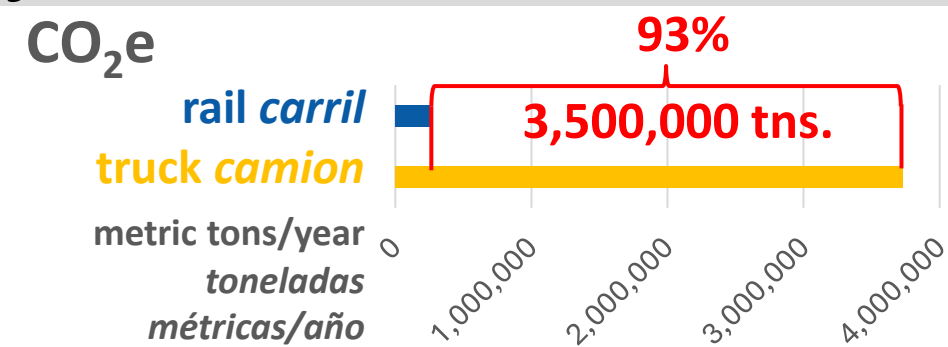


Figure 5-3: Kern Existing and Planned Rail Backbone Freight Network

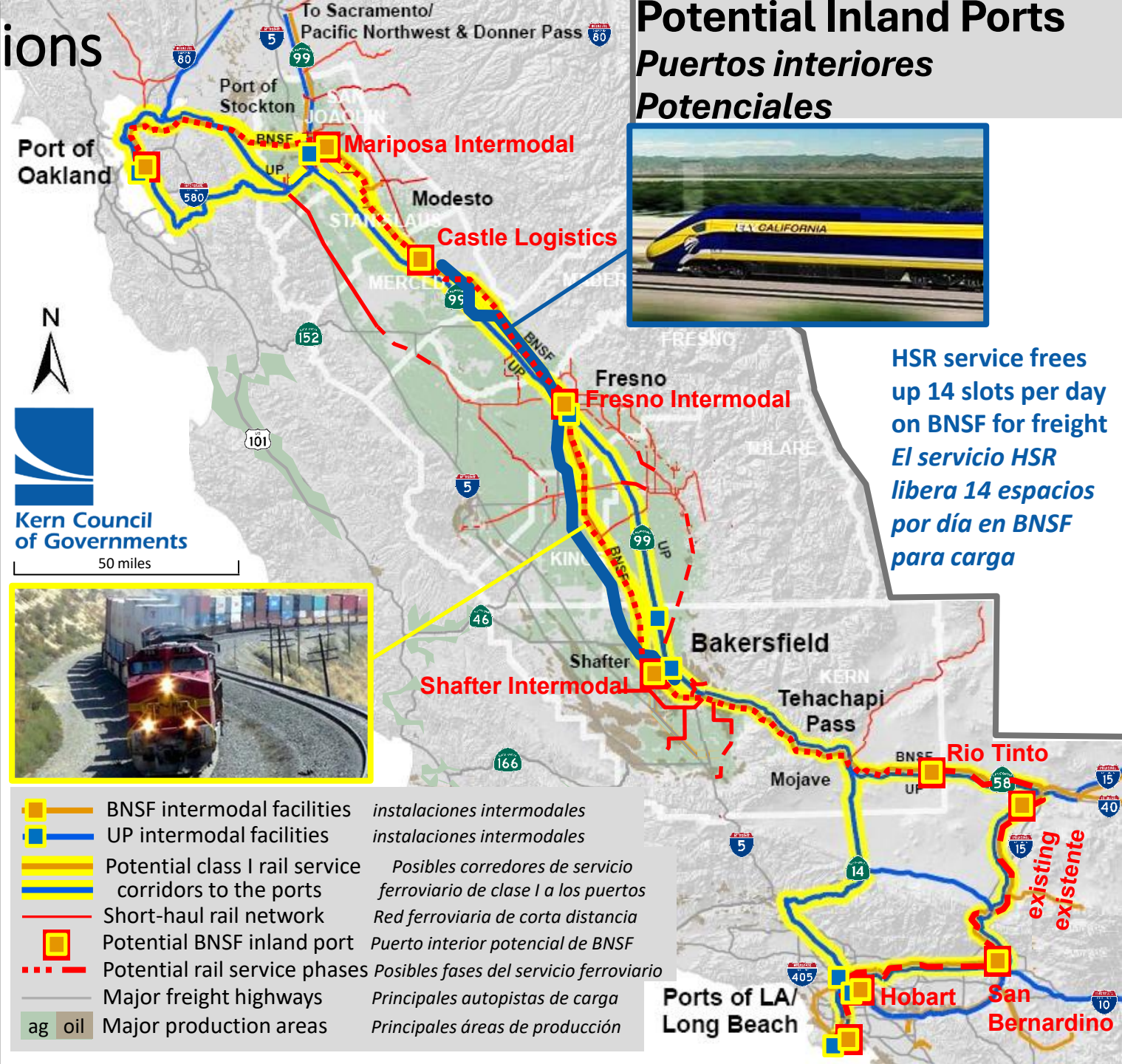


Rail vs. Truck Emission Reductions

Reducción de emisiones ferroviarias contra camiones



Source Fuente: California Inland Port Feasibility Study 2020



Shafter is halfway by rail to the Ports of Oakland & LA/LB



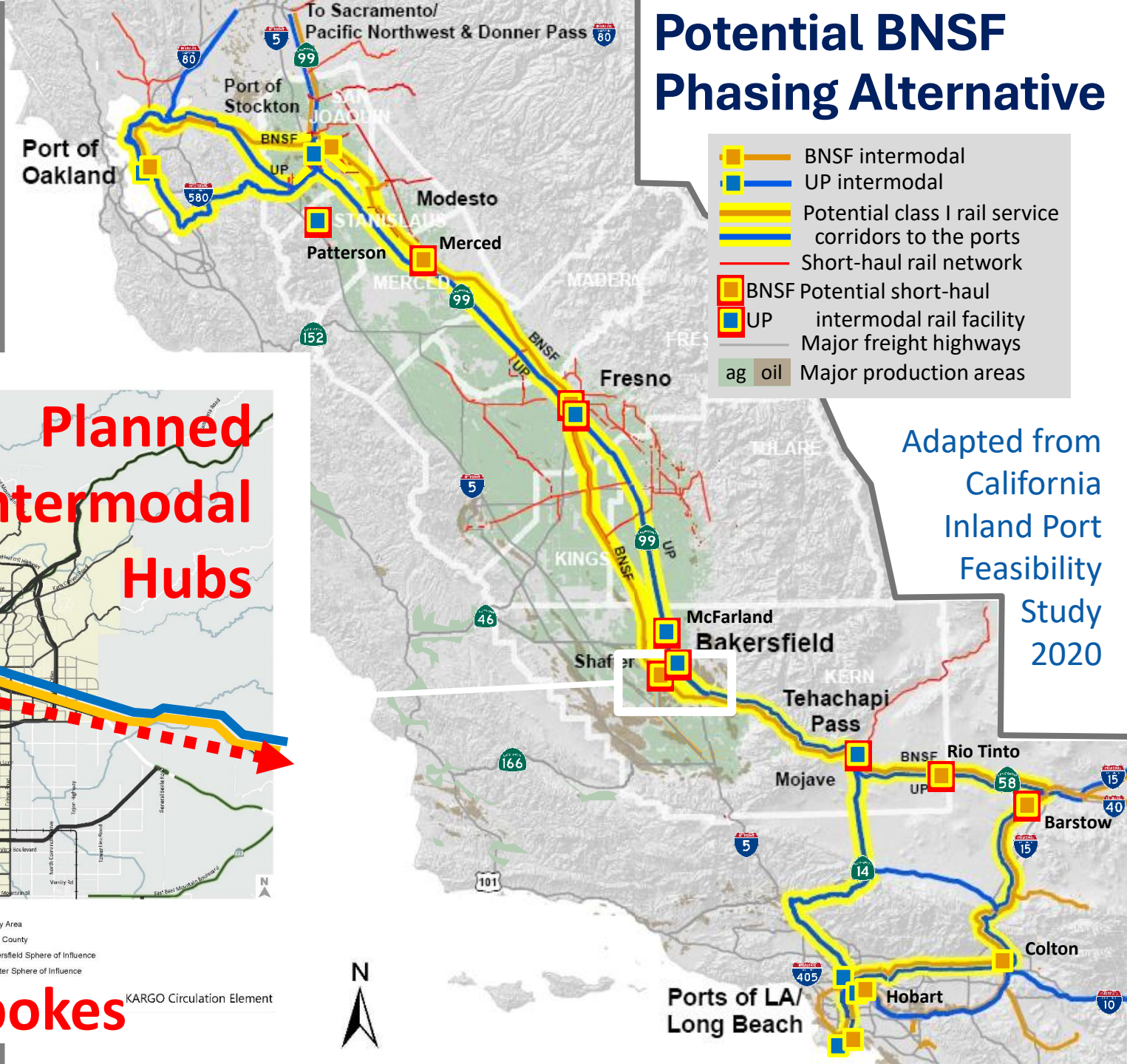
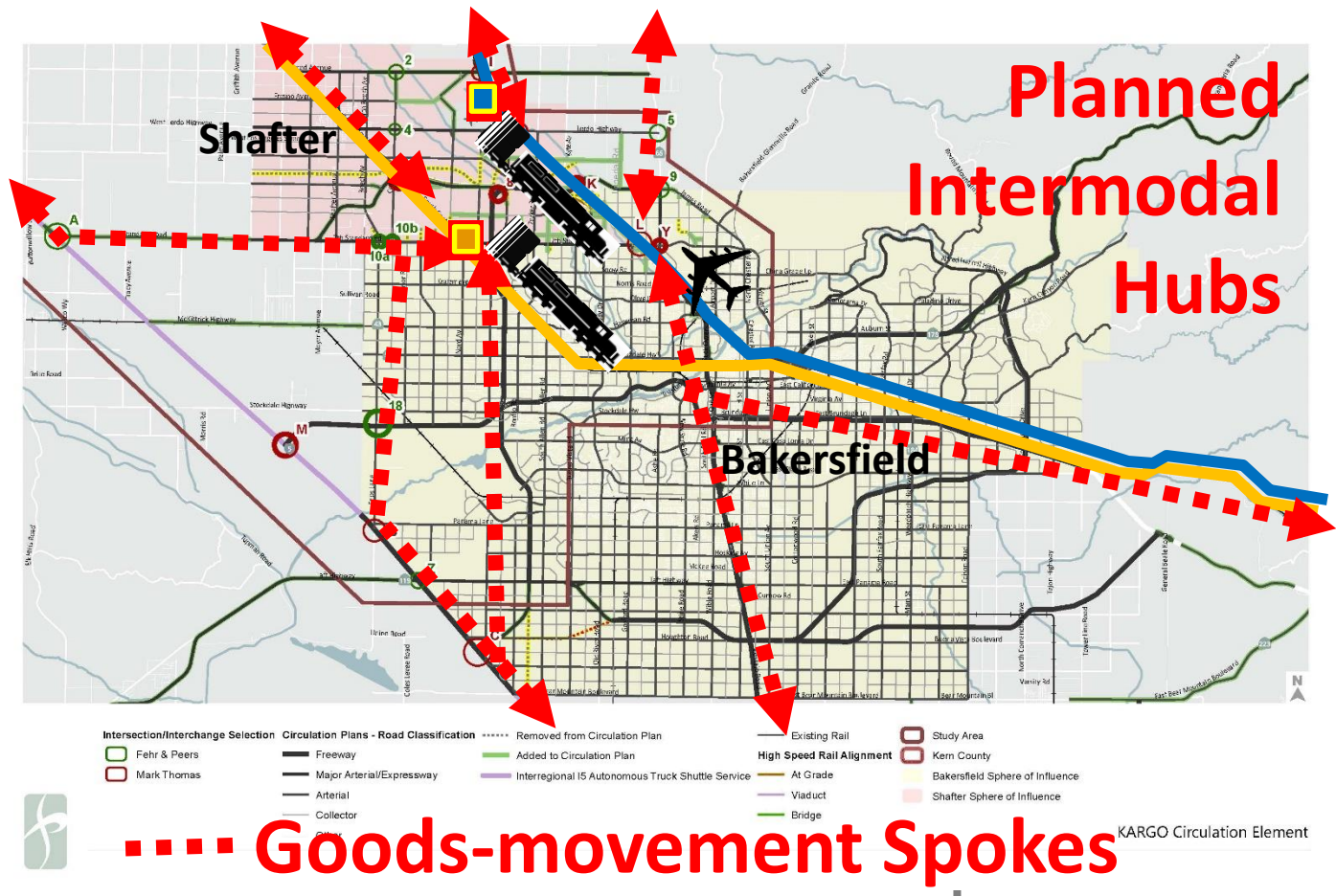
Wonderful
logistics center™

**PORT OF
OAKLAND**

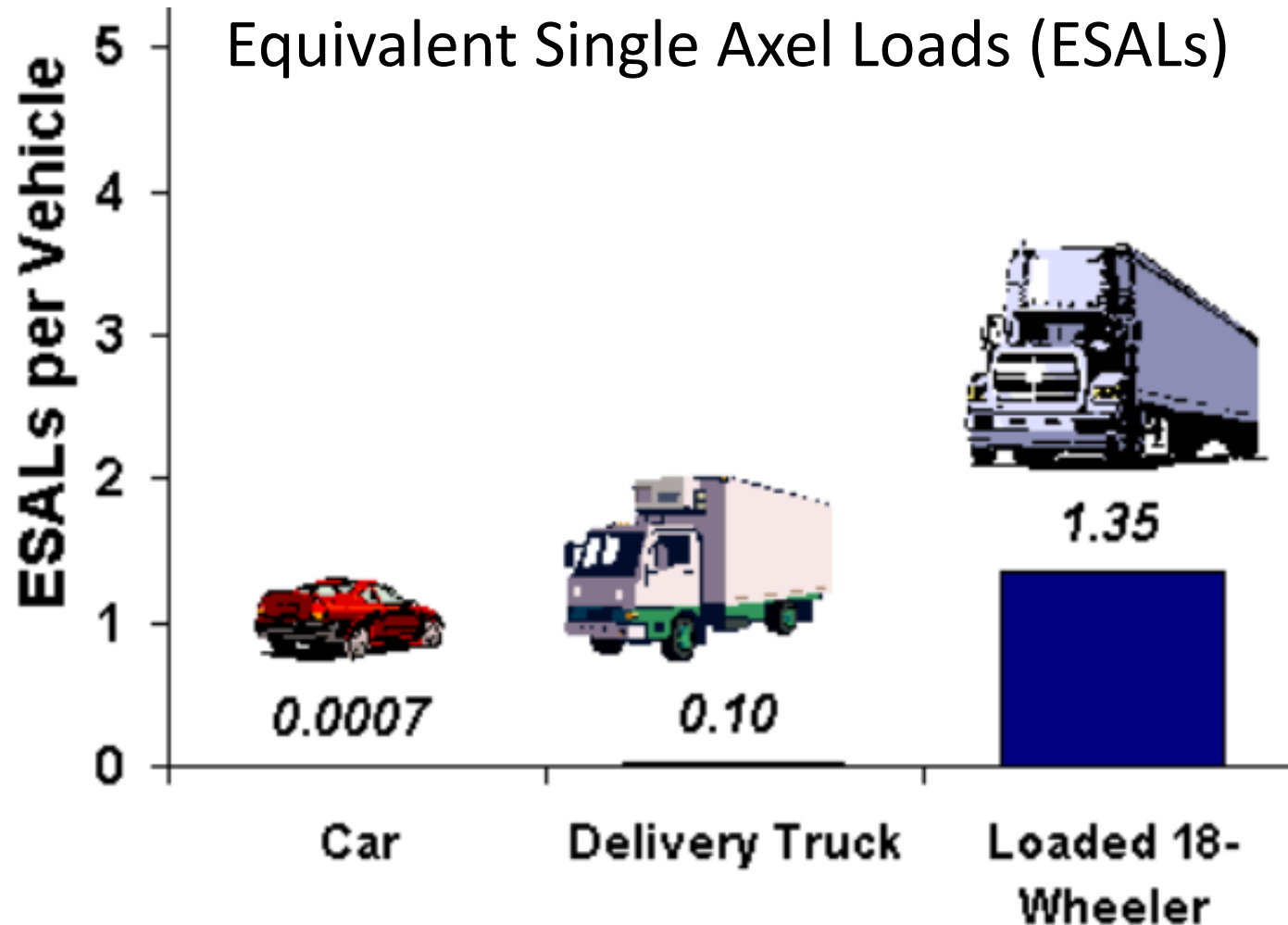
**PORTS OF
LONG ANGELES &
LONG BEACH**



Hub & spoke connectors / road maintenance needs



One Loaded 18-Wheeler = 3,000-10,000 cars of road-wear on the highways

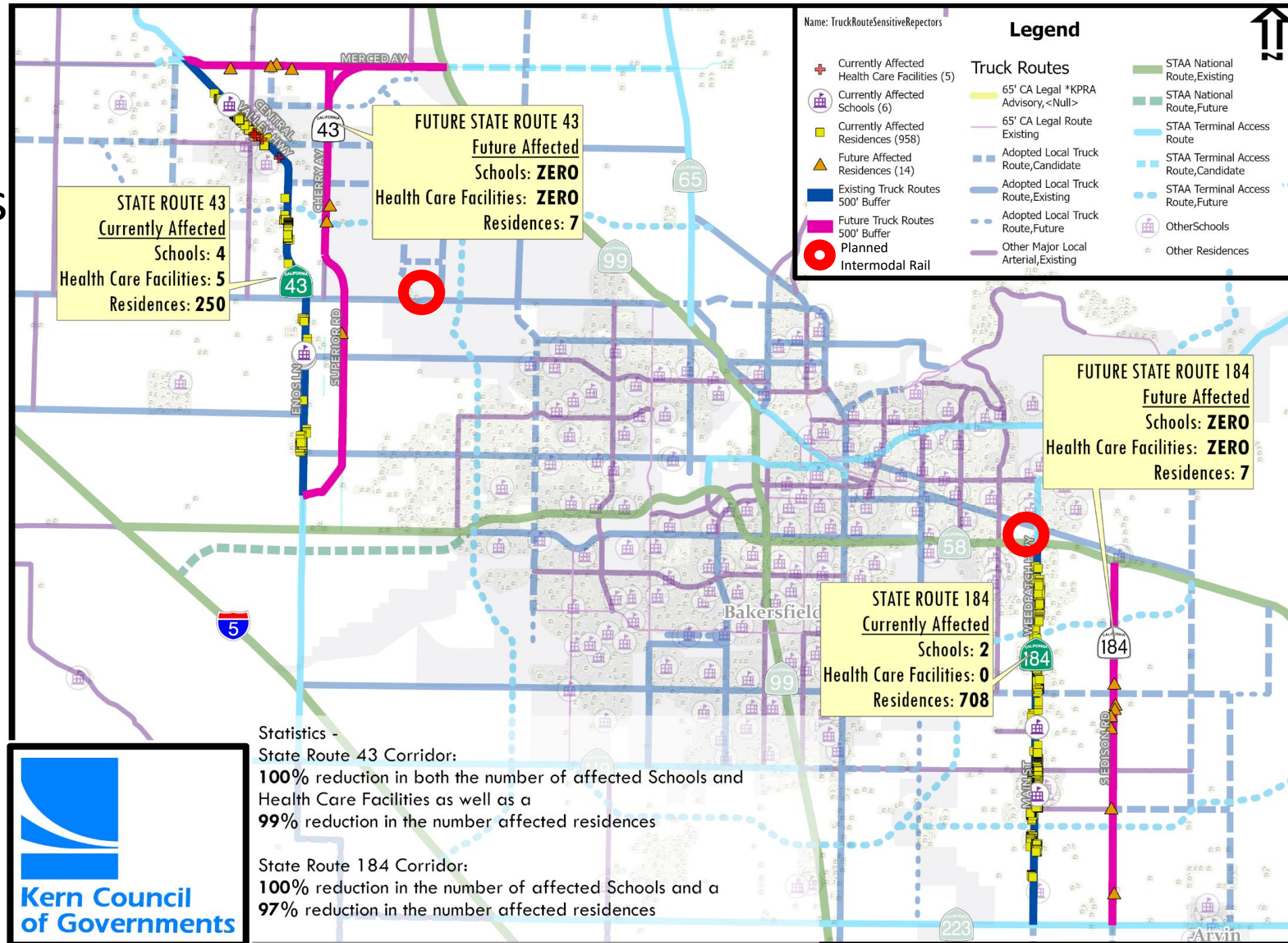


Note that a 5-axel truck typically pays 48 times what a passenger car pays in federal fuel taxes. Consumers see lower store prices because this apparent but disputed subsidy to trucking.

<https://cdllife.com/2021/ooida-ata-team-up-to-combat-deeply-concerning-truck-only-0-25-vmt-tax-plan/>

**“GREENPASS”
Spokes:**
Potential projects
to move truck
traffic away from
homes & schools
on State Routes
43 & 184,
providing spokes
to planned inter-
modal rail hubs.

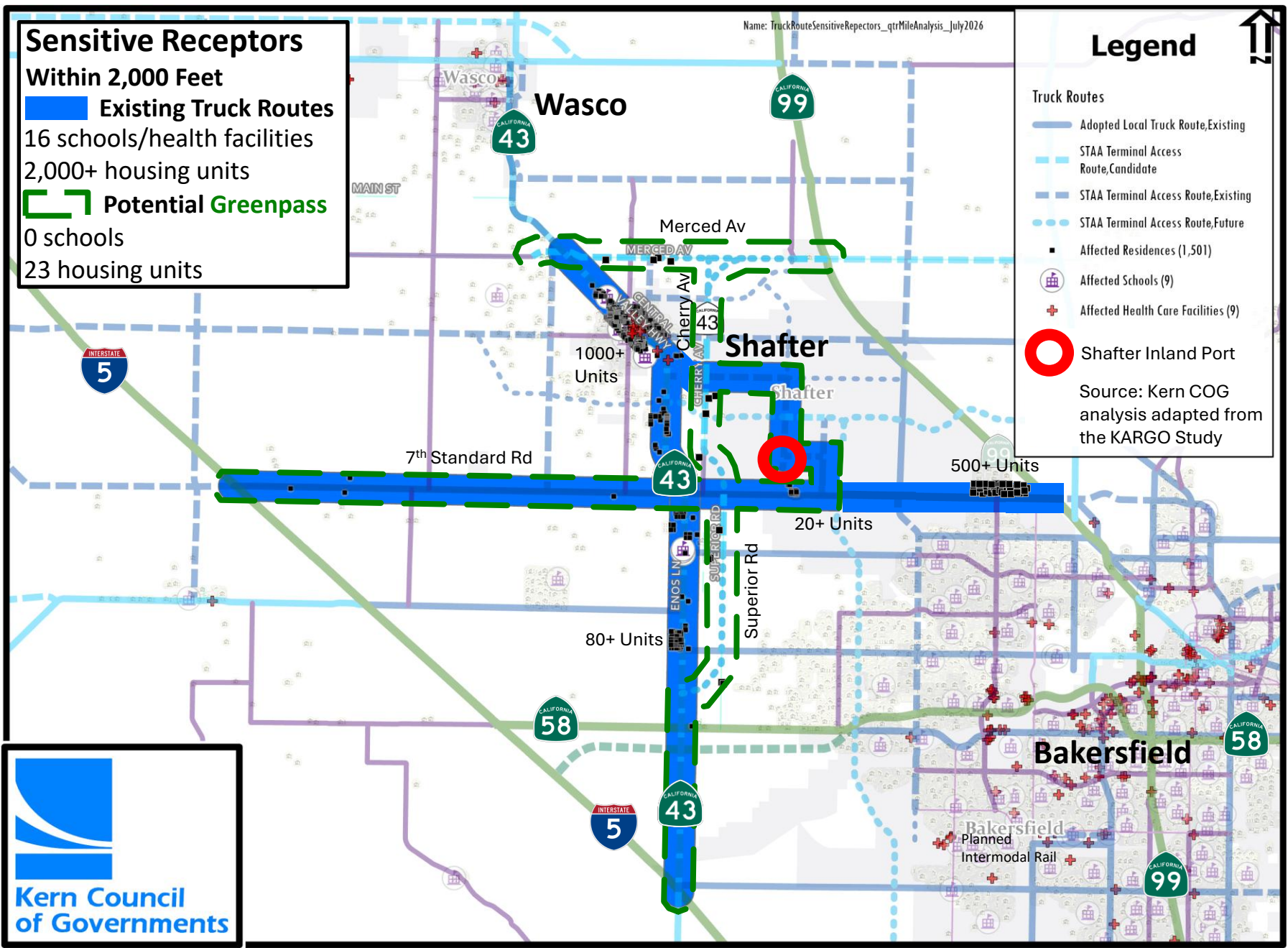
Source: KARGO
Sustainability Study
Phase II



Shafter GREENPASS

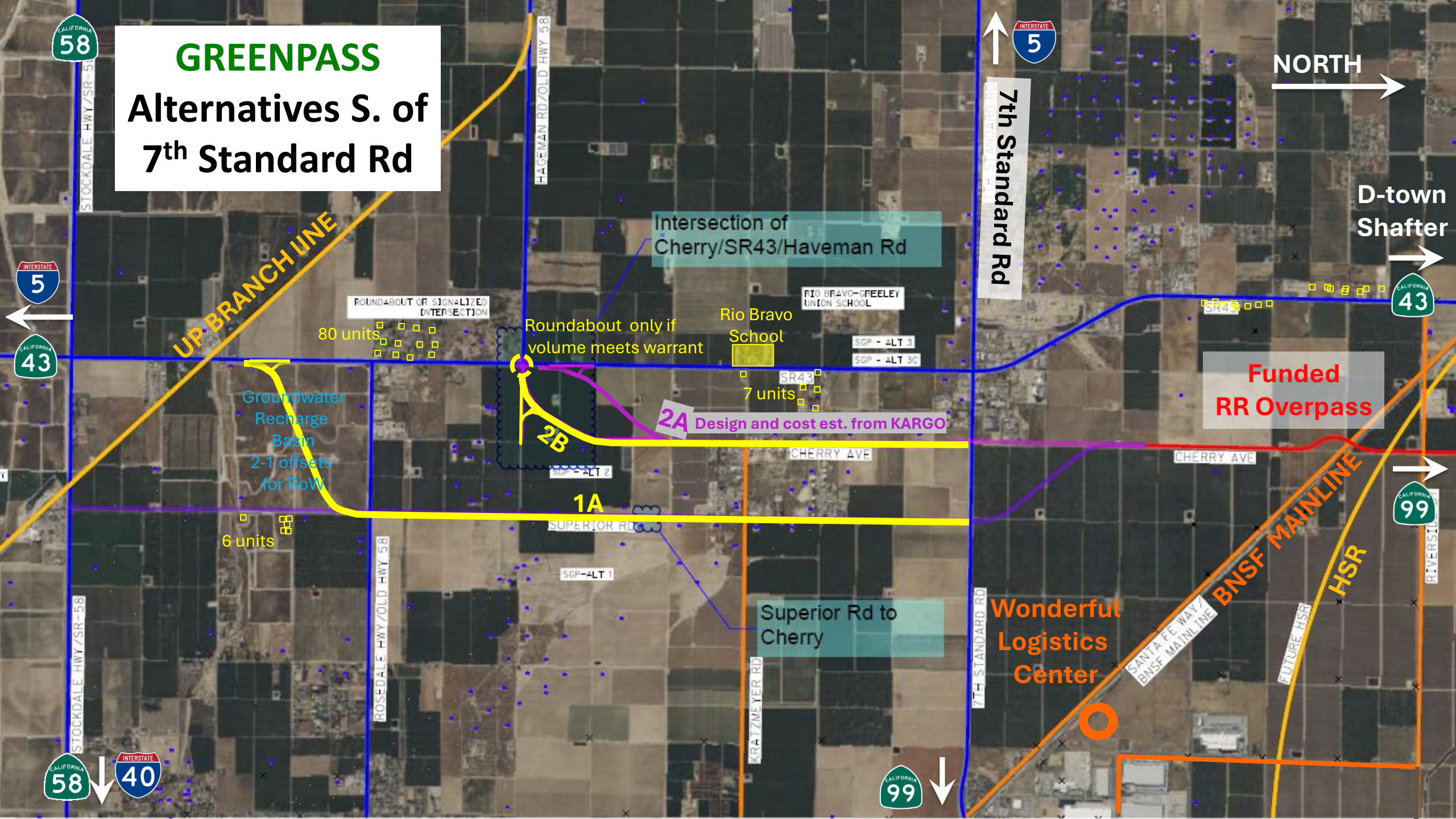
Proposed Truck Routes:

Blue lines show current major truck routes leading to the Shafter Inland Port. Lines outlined in **green dashes** re-route trucks away from nearly 2,000 houses, and 16 schools/health care facilities, that are within 2,000' of the existing truck routes. **The Greenpass only affects 23 rural houses, 0 (zero) schools/health facilities.**



GREENPASS

Alternatives S. of 7th Standard Rd



2011 Shafter West U.S. Freight Hub & Wonderful Logistics Ctr. (WLC)



2009

Target DC
2003

Hillman
Group DC
2004

Formica DC
2006

BNSF Mainline

To 5

To 99

Under Construction



2025 Shafter West U.S. Freight Hub & Wonderful Logistics Ctr. (WLC)

11 DCs/expansions > half in last 5 years*
8M sq. ft. exist./under con.

*Not including an additional 5 oilfield service companies

\$100M all private sector investment
Wonderful logistics center™

9 More Planned Warehouses

Rail Terminal 100+ Acres

Walmart Grocery DC
2019

Amazon Fulfillment DC (clothing)
2021

Ross DC annex 2
2018
Golden Bear DC
2022

Smuckers DC
2022

160 Container spaces
2016

FedX Ground
2016

Ross DC annex 3
2016

American Tire DC
2013

Formica DC
2006

Target DC
2003

Hillman Group DC
2004

2009

To 

To 

BNSF Mainline

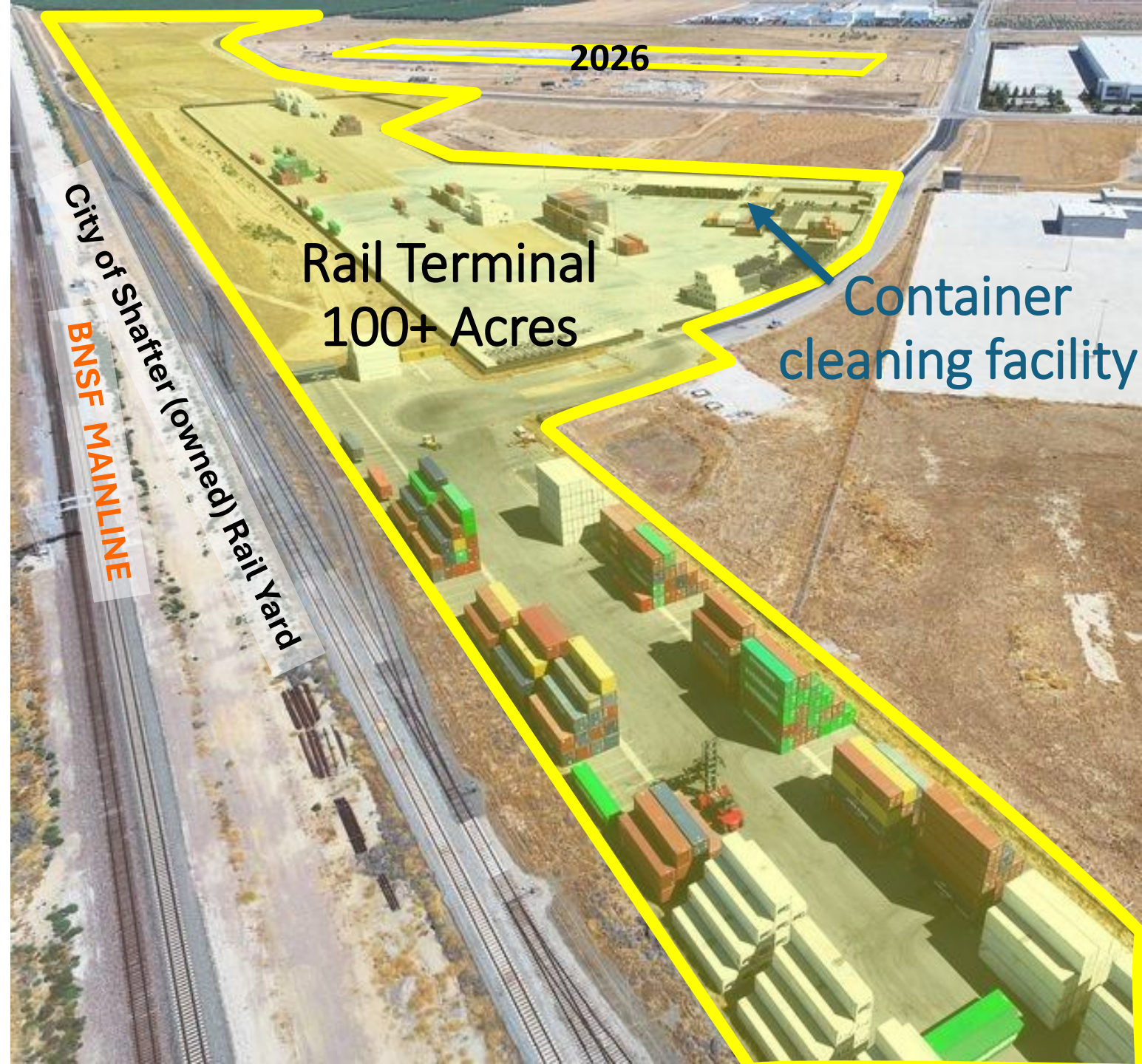
SANTA FE WAY

CITY OF SHAFTER RAIL TERMINAL

18

Wonderful Logistics Center (WLC) Intermodal Rail Yard Under Construction

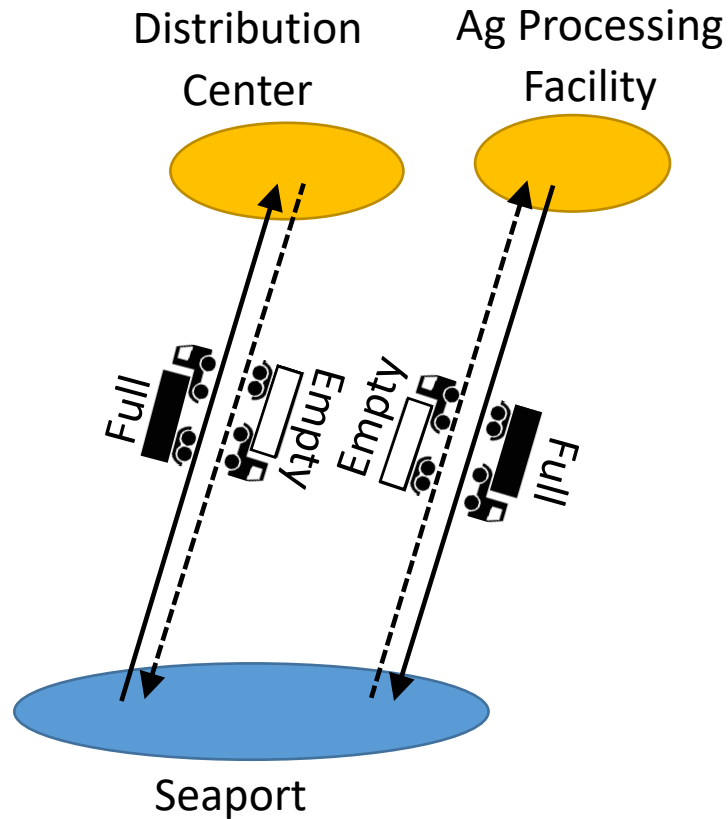
- Currently holding about 800 containers.
- Being used as a Container Depot for trucking “Street Turns” enabling containers to be shipped both directions full.
- Demonstrating the market for rail service to the Ports



Basic Concept: Minimize Empty Truck Trips

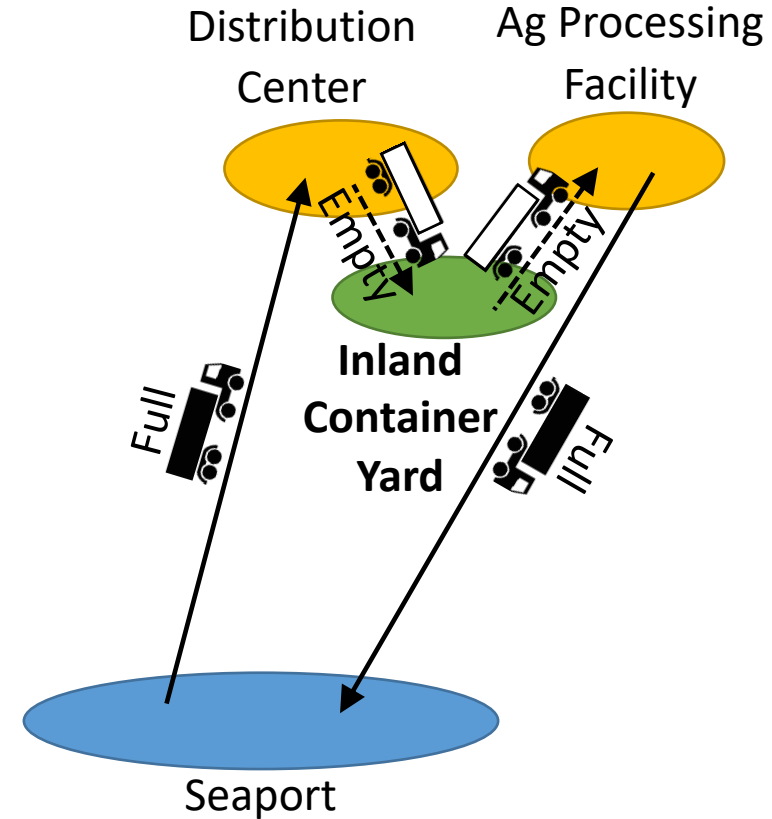
Goods Movement “Street-Turn” Strategy

Before Street-Turn Load Matching



Today – Empty containers passing each other on I-710, I-405 & I-5

Exchange Empty Container/Chassis for needed ocean carrier type, and/or for cleaning

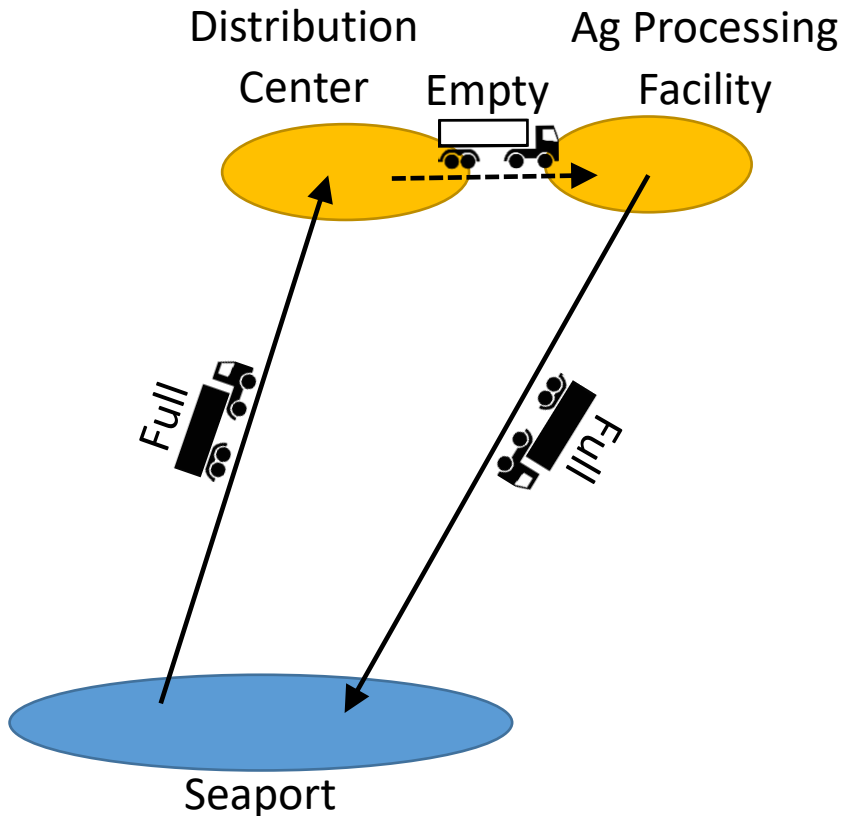


Save up to 40% in shipping costs, VMT, port congestion, road wear & tear, and emissions

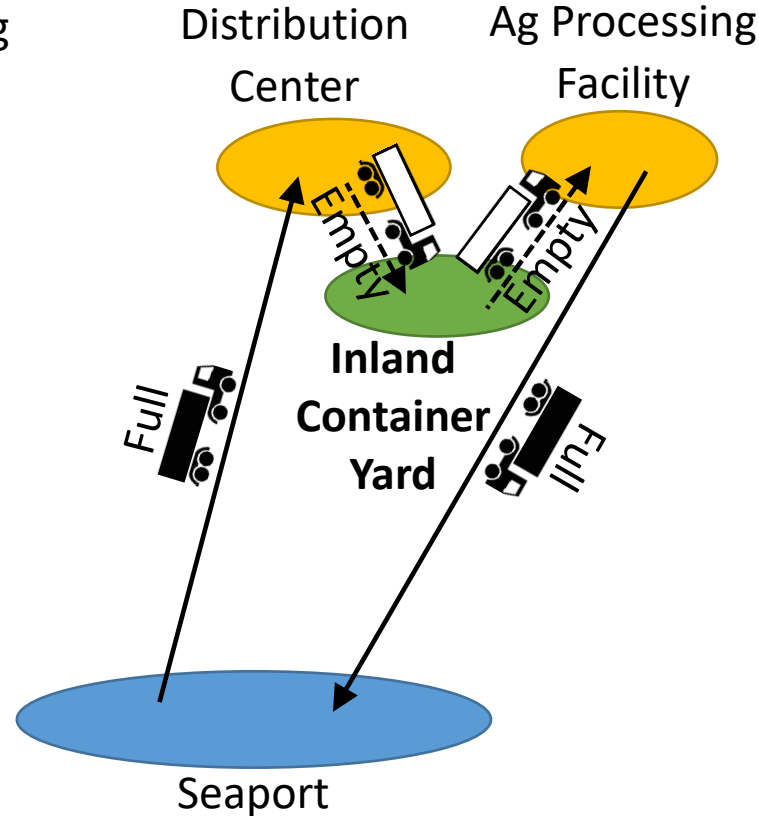
Phased Street-Turn Variations

A. Virtual Container Yard

(needs public cloud supply chain solutions and/or block chain solutions)

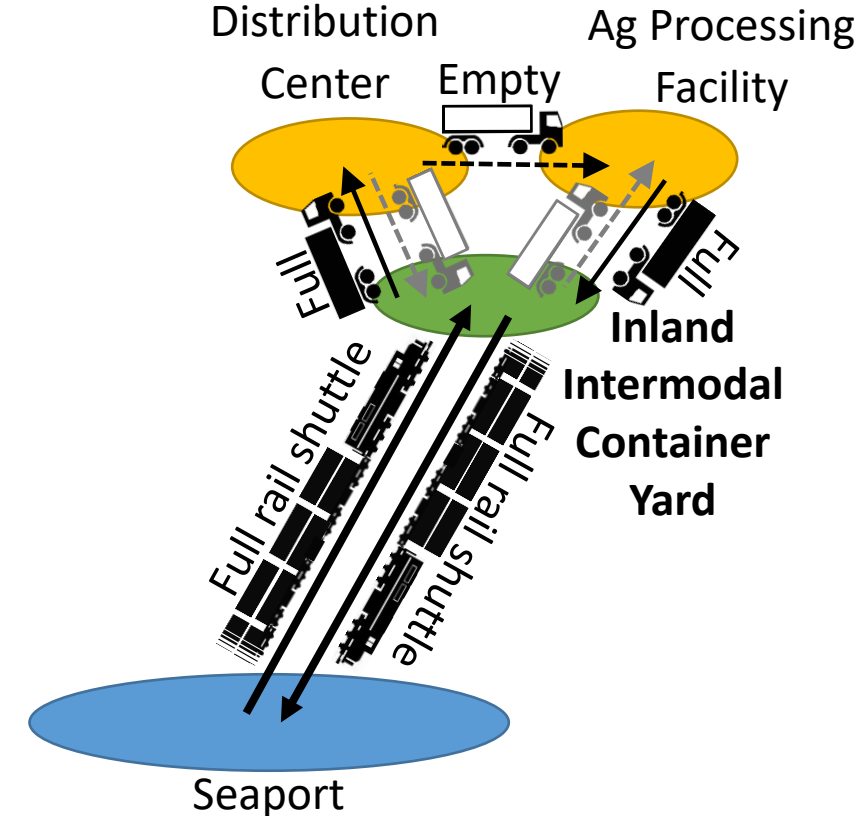


B. Exchange Empty Container/Chassis for needed ocean carrier type, and/or for cleaning



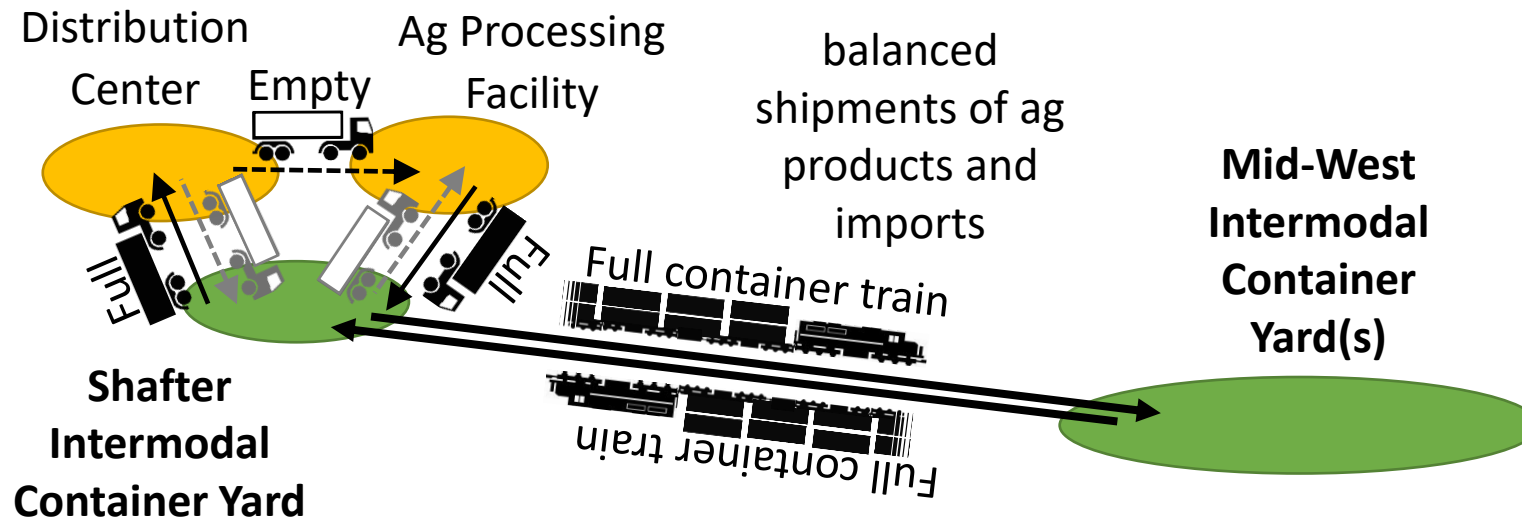
C. Rail Shuttle Concept ... Challenge

(Need 300 containers per ship headed to inland port and similar volume of exports going back with competitive pricing from a class 1 RR and/or additional government investment)



One More Interim Step Before Rail Shuttle to LA Port

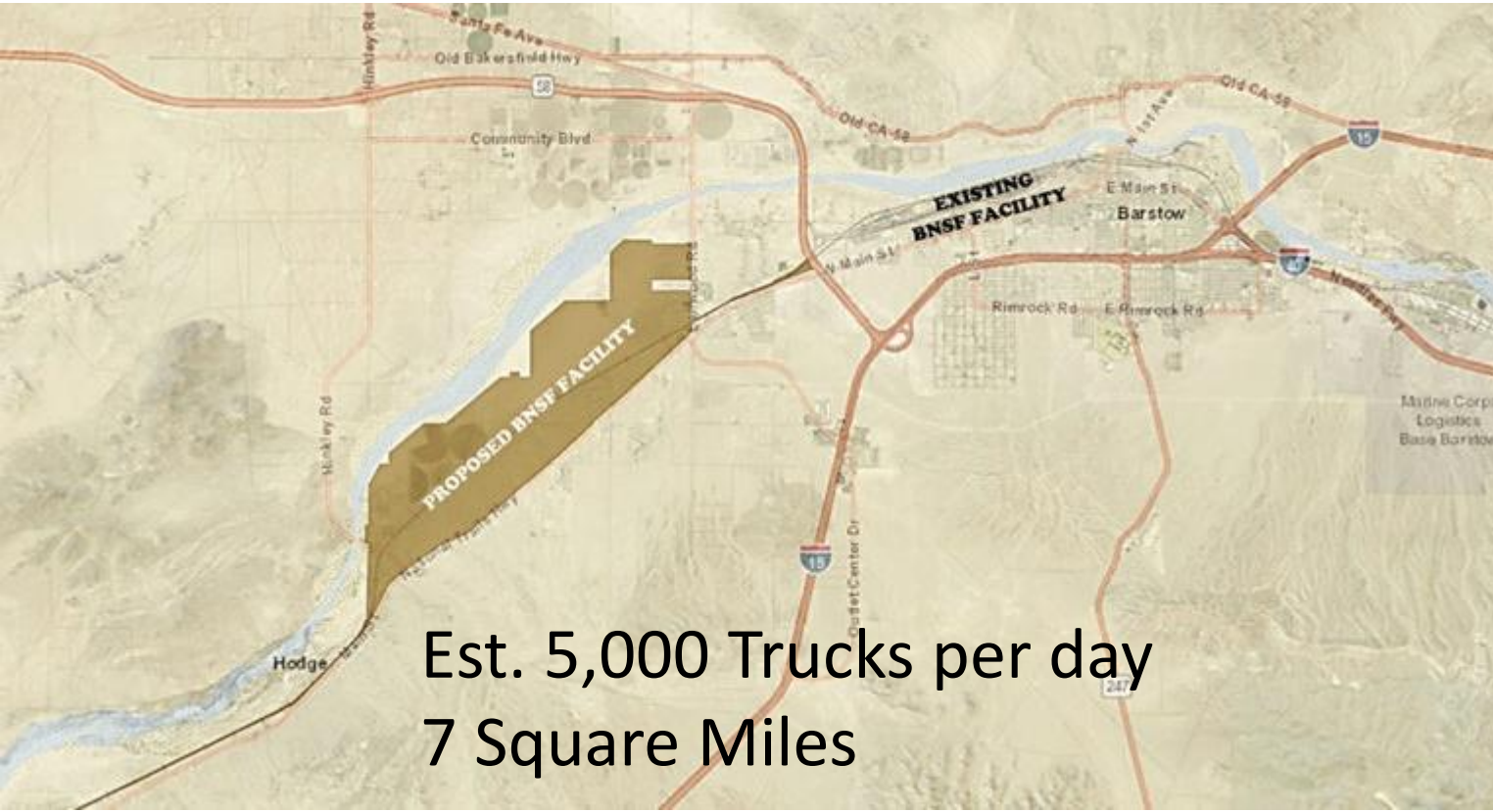
B2. Establish Intermodal Rail Service at Shafter



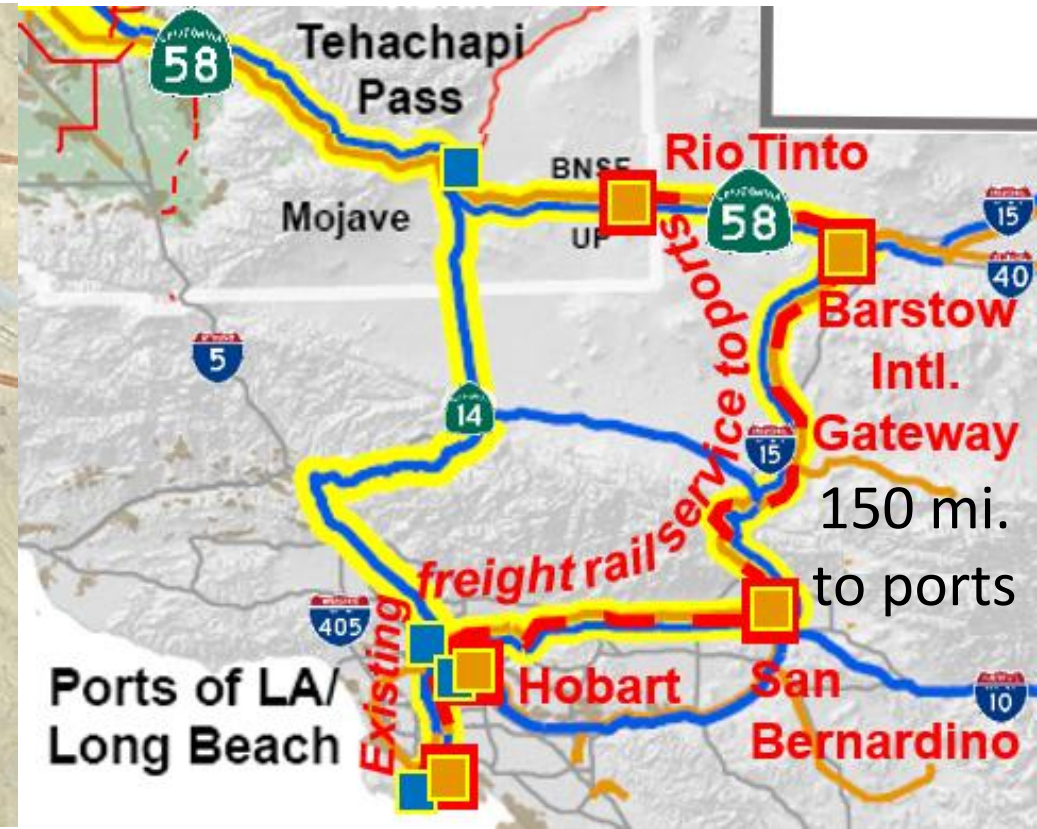
BNSF Barstow Intl. Gateway Inland Port

<https://www.bnsf.com/news-media/news-releases/newsrelease.page?relId=bnsf-to-build-new-integrated-rail-complex-in-barstow-to-increase-supply-chain-efficiency-nationwide>

\$1.5B Investment



Est. 5,000 Trucks per day
7 Square Miles





Section 3

What the Public Thinks



Inland Empire's Sales Tax Measures & Impact Fees May Have Been Too Little Too Late

The New York Times

California's Inland Empire Pushes Back on Booming Warehouse Construction

Several municipalities have halted new projects to study their impact on pollution and congestion.



By Kurtis Lee

Oct. 17, 2022

<https://www.nytimes.com/2022/10/17/us/california-inland-empire-warehouse-construction.html>

IE warehouse boom generates call for building moratorium

Letter from 60-plus groups: "We have a right to not be made sick by the air we breathe"

By **TRD Staff**

JAN 31, 2023, 6:33 PM

<https://therealdeal.com/la/2023/01/31/ie-warehouse-boom-generates-call-for-building-moratorium/>

In Kern, Only 1 in 7 Residents (13%) View New Distribution Centers Negatively for Past 5-Years

*Spring 2019 & 2024 statistically valid surveys**

1,200 people in Kern were asked if they agreed with this statement: *“The new warehouse facilities built in the last 3 years have caused more commercial truck traffic and are not worth the extra traffic, safety hazards and cost of additional road repairs.*

46% say they are worth the jobs, 28% had mixed opinions, 12% don't know.

**Surveys available online 2019-2024: <https://www.kerncog.org/quality-of-life-survey/>*



West U.S. Largest Small-Item Sortation Distribution Center (DC)
BFL Intl Airport – 4-story, 2.6M Sq. Ft. on .64M Sq. Ft. footprint



Corridor Project Reduces Travel between I-40/I-5/I-580 by an Average of 12 Mi. for 8000 Trucks Per Day by 2038

Distances based on Google Maps - March 2016
<https://www.google.com/maps/dir/California+58,+California/Interstate+580,+California/>



Central Cal Critical Crossroads



Ramp 7

2025 Under
Construction

Ramp 8

2026 TCEP



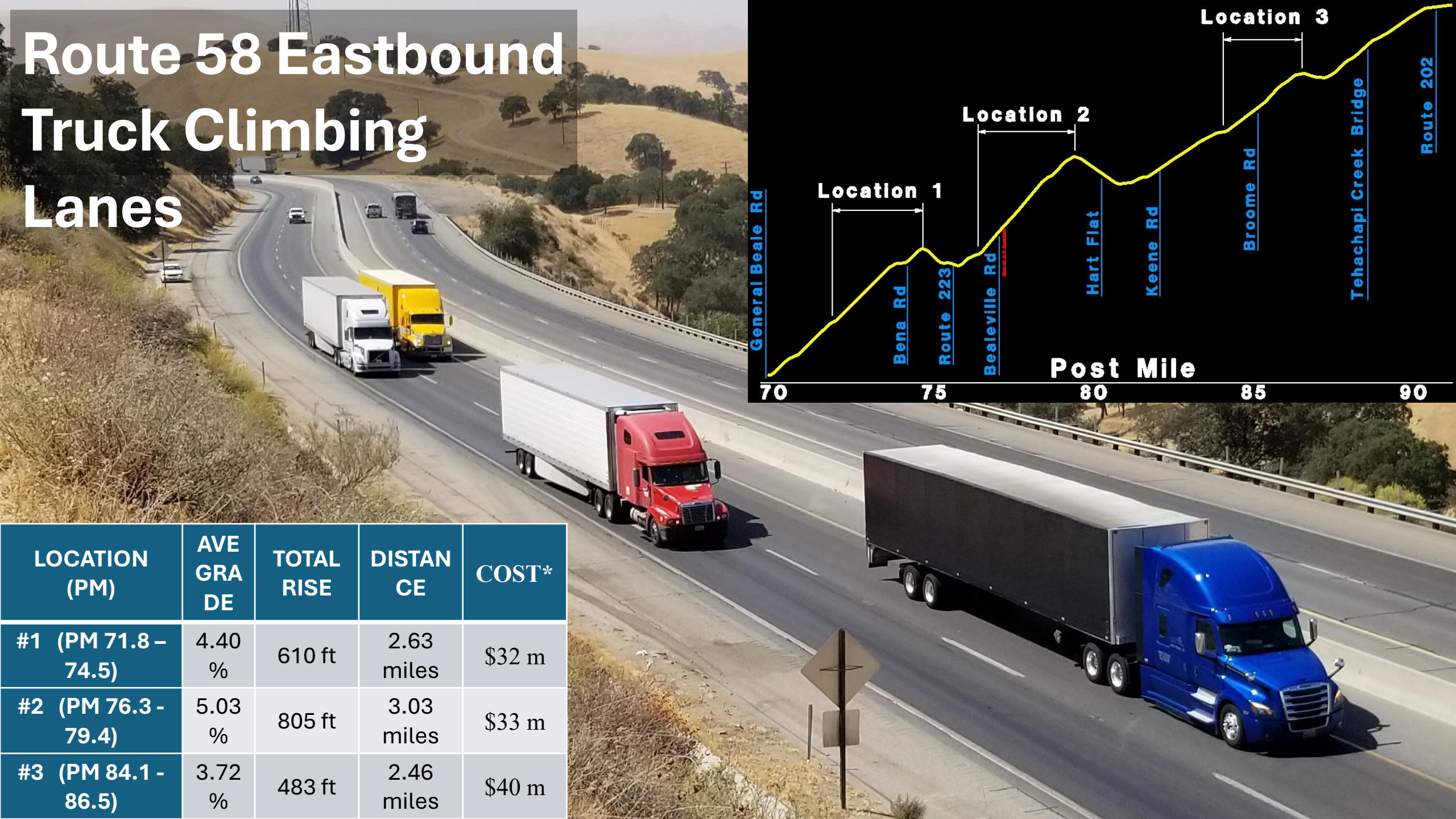
Kern Council
of Governments

Image
courtesy
City of
Bakersfield

Looking Southeast

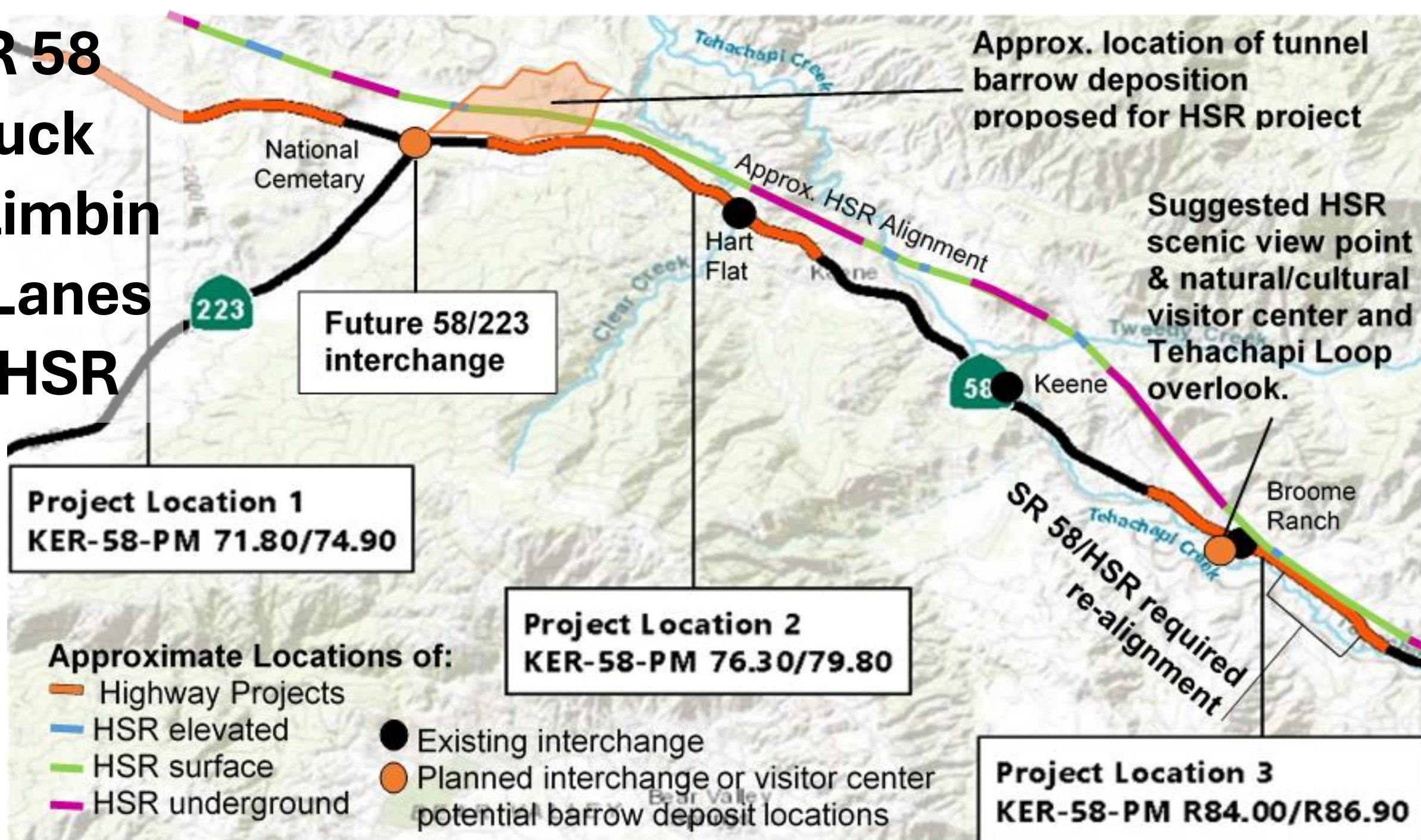


Route 58 Eastbound Truck Climbing Lanes



LOCATION (PM)	AVE GRA DE	TOTAL RISE	DISTAN CE	COST*
#1 (PM 71.8 – 74.5)	4.40 %	610 ft	2.63 miles	\$32 m
#2 (PM 76.3 - 79.4)	5.03 %	805 ft	3.03 miles	\$33 m
#3 (PM 84.1 - 86.5)	3.72 %	483 ft	2.46 miles	\$40 m

SR 58 Truck Climbin g Lanes & HSR



Section 4

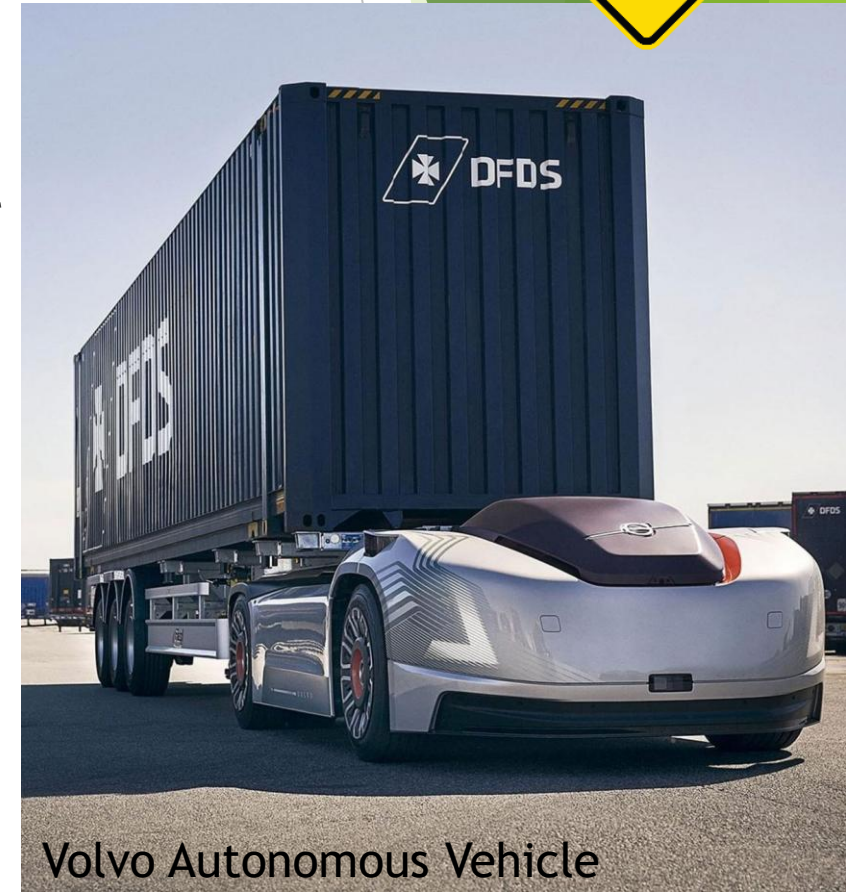
Emerging Tech to the Rescue?



SAFETEC - Pilot Mobility Fee Program on Autonomous/ZEV Trucking Zone

- ▶ Trucking fleets already track their mileage and to pay the IFTA tax by state jurisdiction.
- ▶ Autonomous truck vendors are looking for a warehouse-to-warehouse haul in a rural area to test their new technology.
- ▶ Kern is an ideal location for testing this technology and potentially benefitting from high tech jobs.
- ▶ Many autonomous trucks use ZEV technology but do not pay diesel fuel tax.
- ▶ Autonomous technology easily collects mileage data
- ▶ KARGO phase I study proposed creation of a Safer Autonomous Freight Enhanced Testing Environmentally Clean (SAFETEC) Logistics Zone.

Potential Signage for
Autonomous Truck
Testing Routes



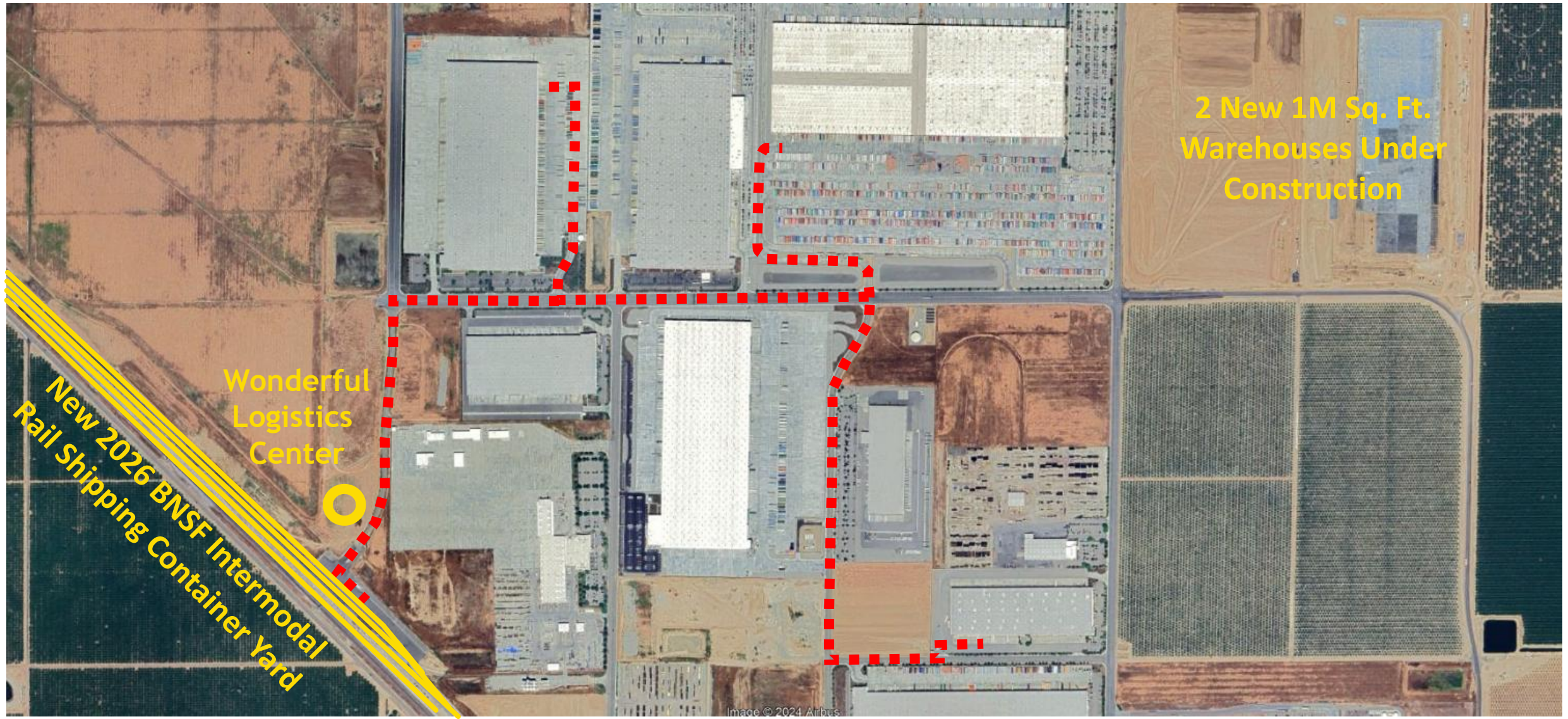
Volvo Autonomous Vehicle

<https://www.entrepreneur.com/business-news/sorry-truckers-volvos-autonomous-vehicles-can-handle-it/335385>



SAFETEC
Logistics
Zone

Potential Phase 1 - Warehouse to Warehouse Demo Zone - Wonderful Industrial Park, Shafter



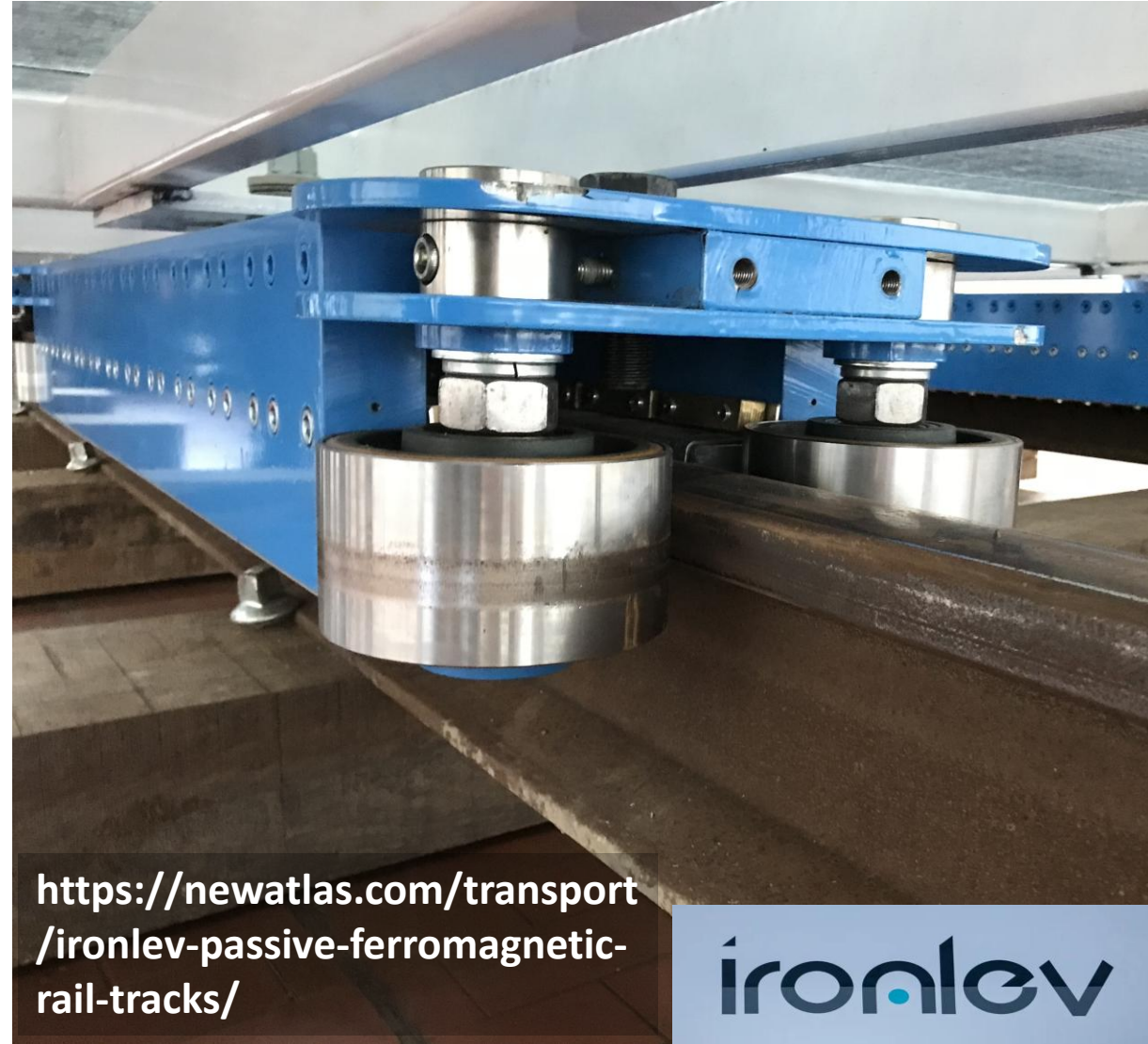
MagRail: Magnetic Levitation on Existing Rails

Successful tests show MagRail can operate on existing rail infrastructure

Low-cost passive maglev upgrade tested on regular rail tracks



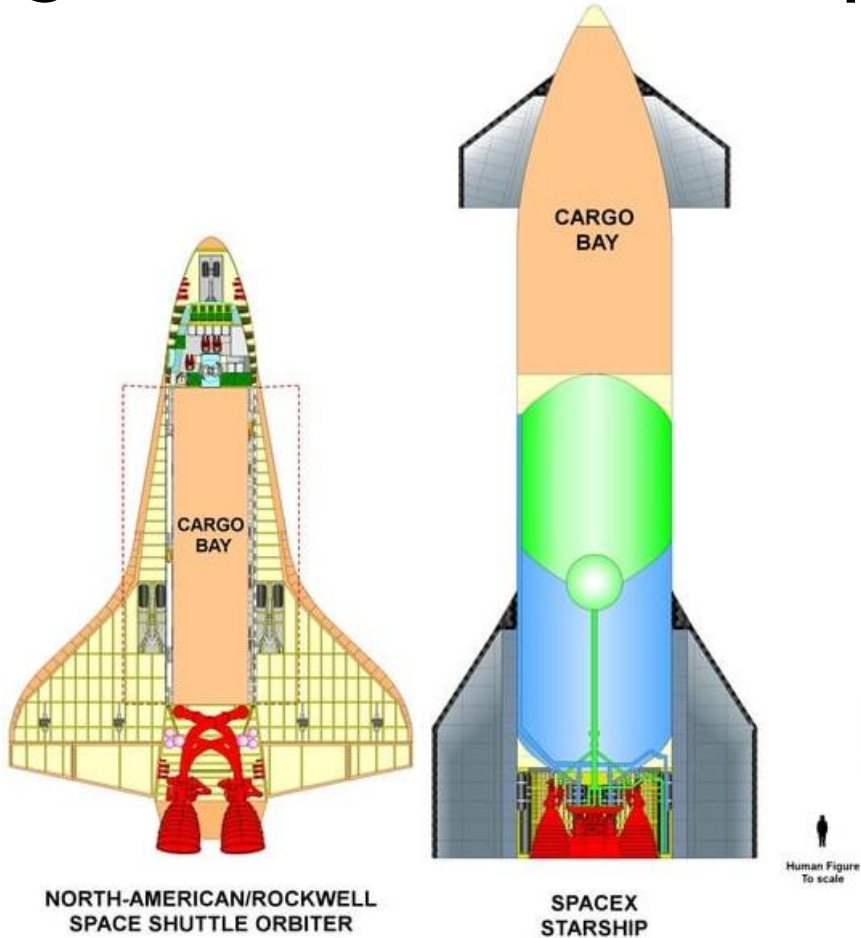
https://www.youtube.com/watch?v=g4cL9pre_g4



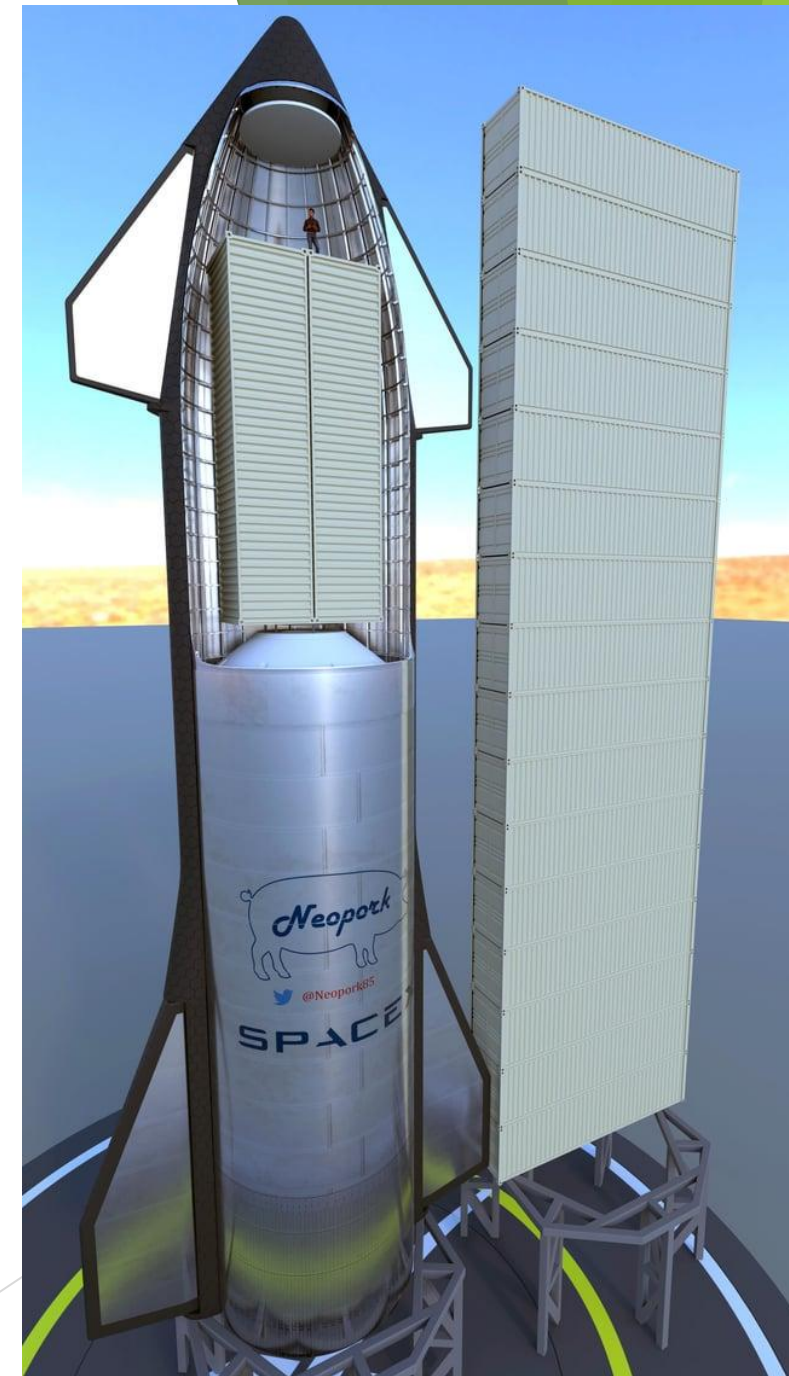
<https://newatlas.com/transport/ironlev-passive-ferromagnetic-rail-tracks/>

ironlev

Now We Need to Start Planning for Spokes to Future Freight/Passenger Hubs Flight 6 Tomorrow at 6pm PST



G. DE CHIARA ©

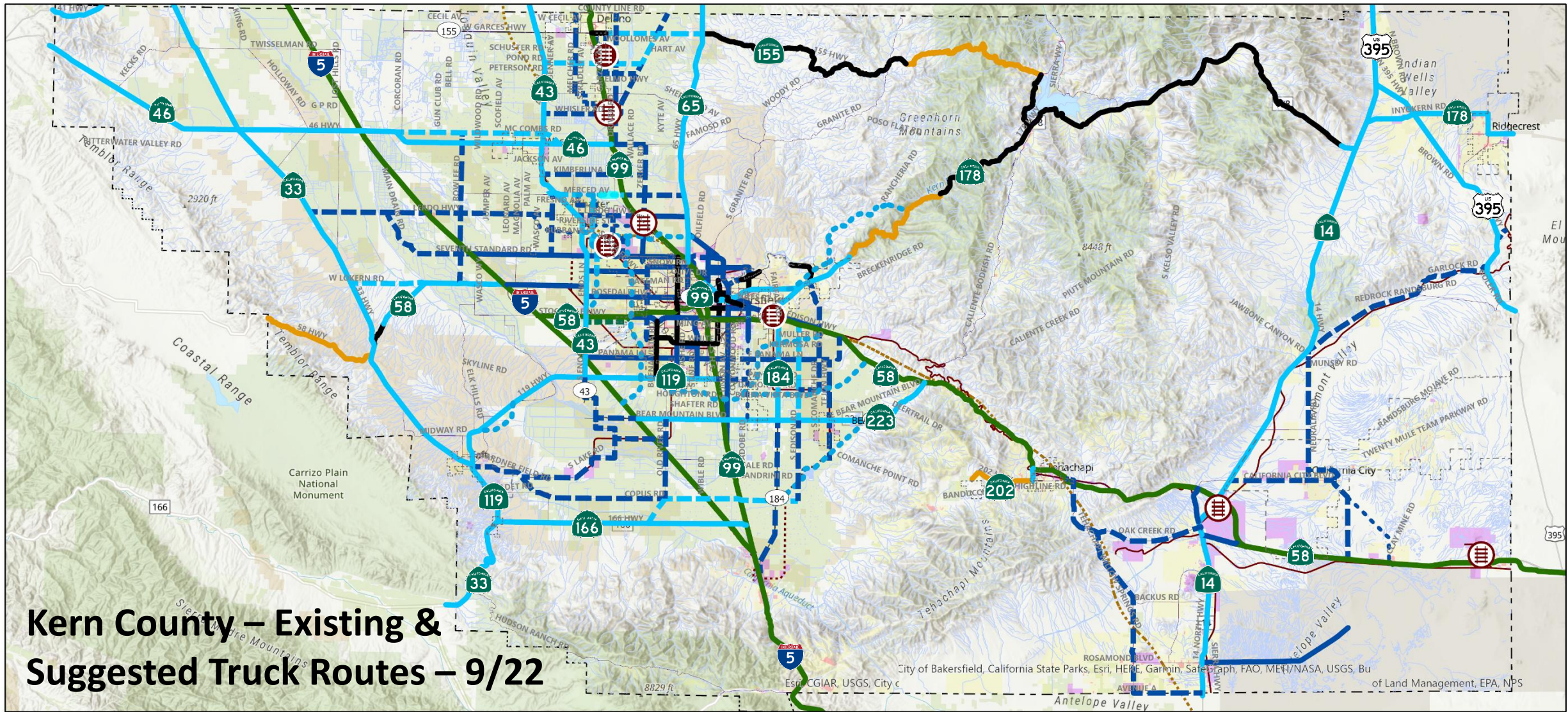




Section 5

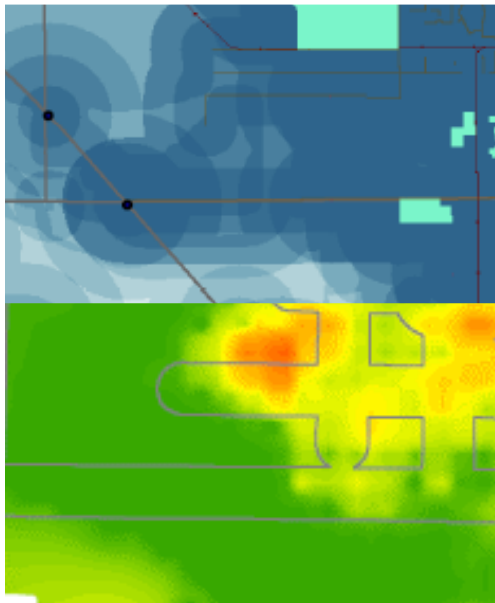
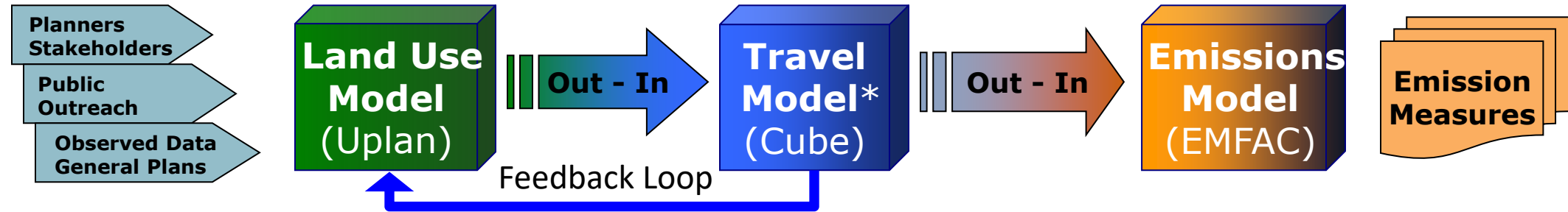
Modeling Trucks & Air Quality





2026 Kern COG Land Use/Travel Model Forecasting

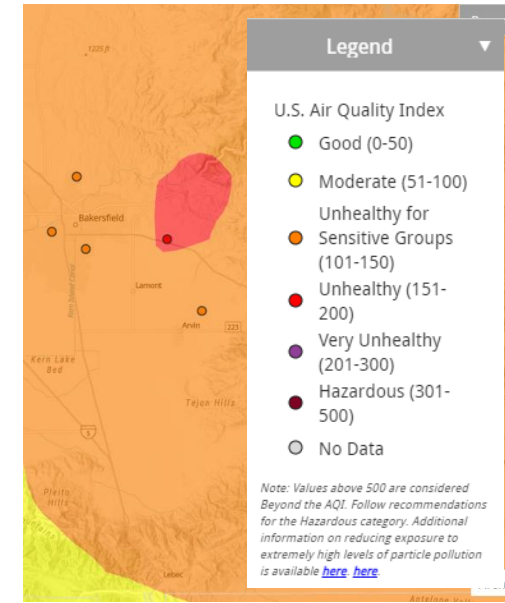
Modeling demonstrates that Kern's transportation projects will not delay attainment of any of the SIPs, & will meet State GHG Targets.



GP amendments, Tract maps, Infrastructure



Traffic counts, Travel surveys, Network changes



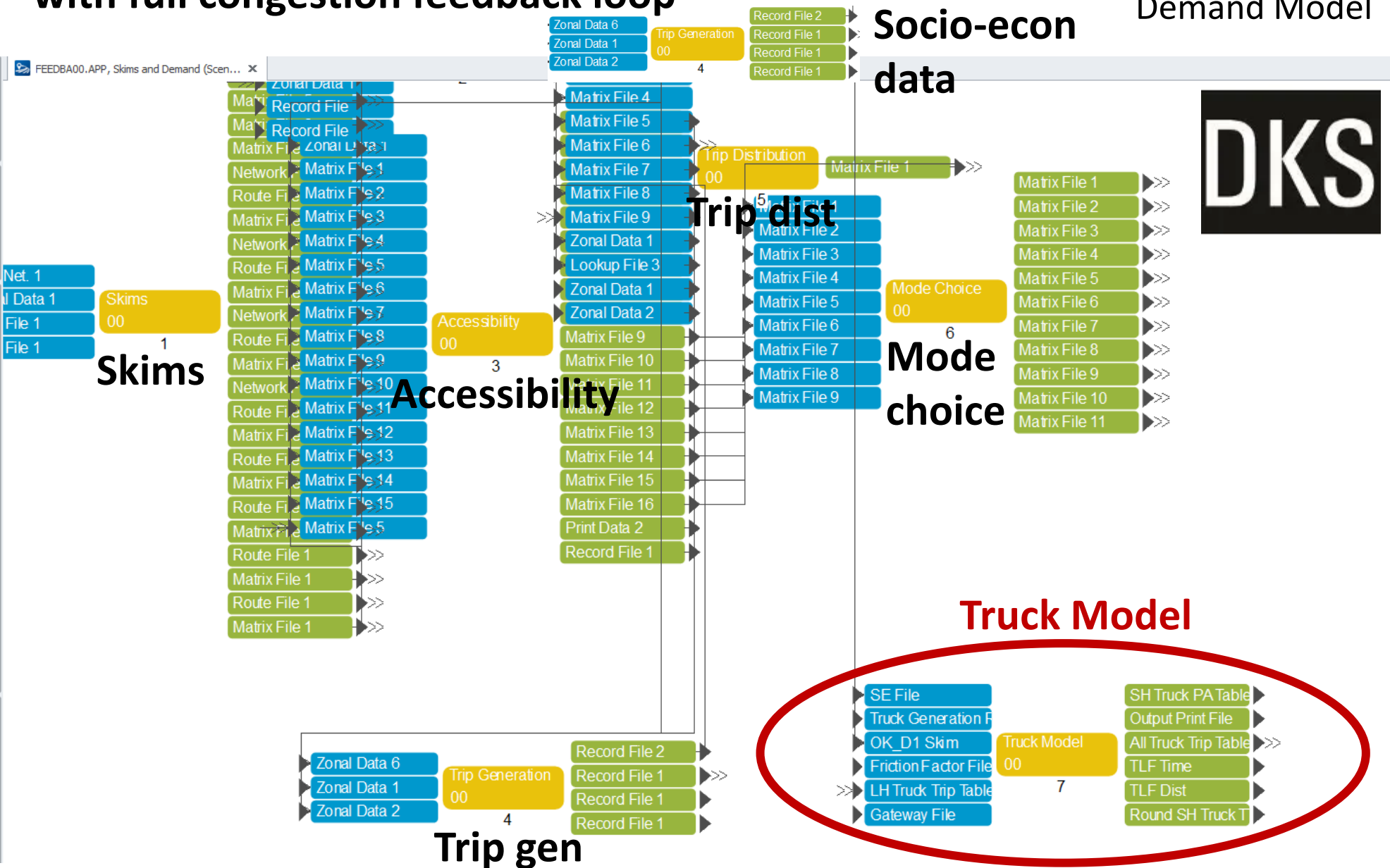
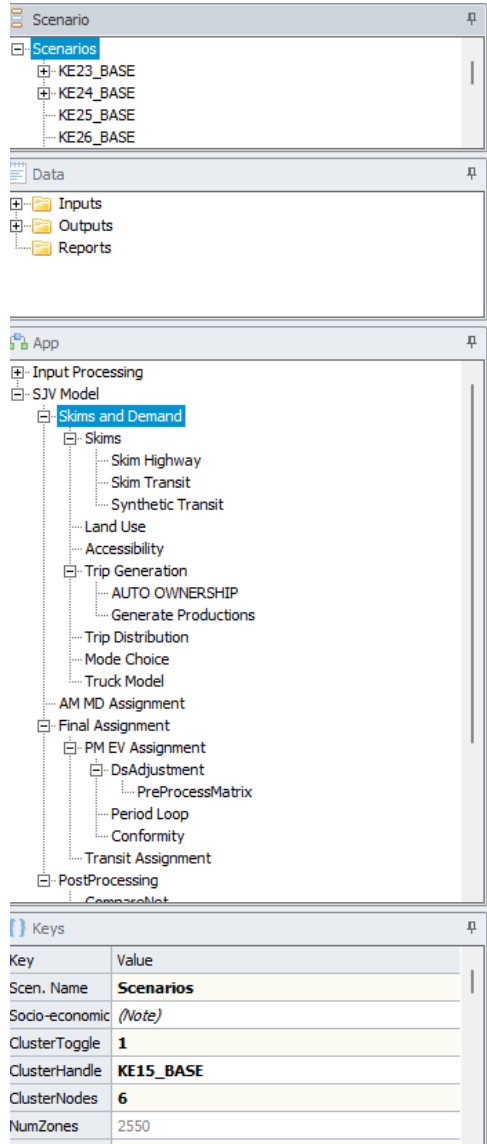
Air quality monitors, EMFAC updates

**Includes built-in 3-step truck model*

Kern COG 4-Step Travel Model

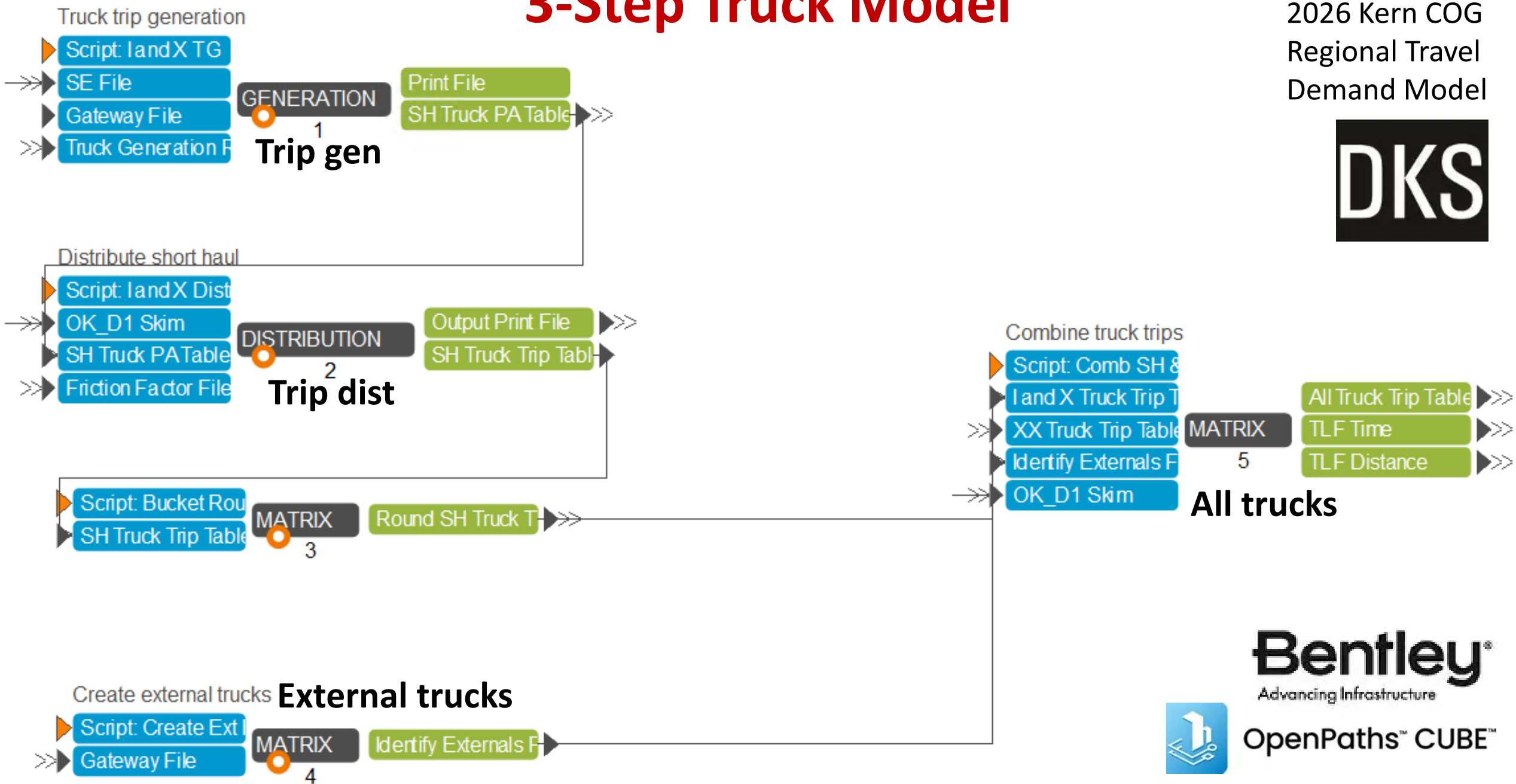
with full congestion feedback loop

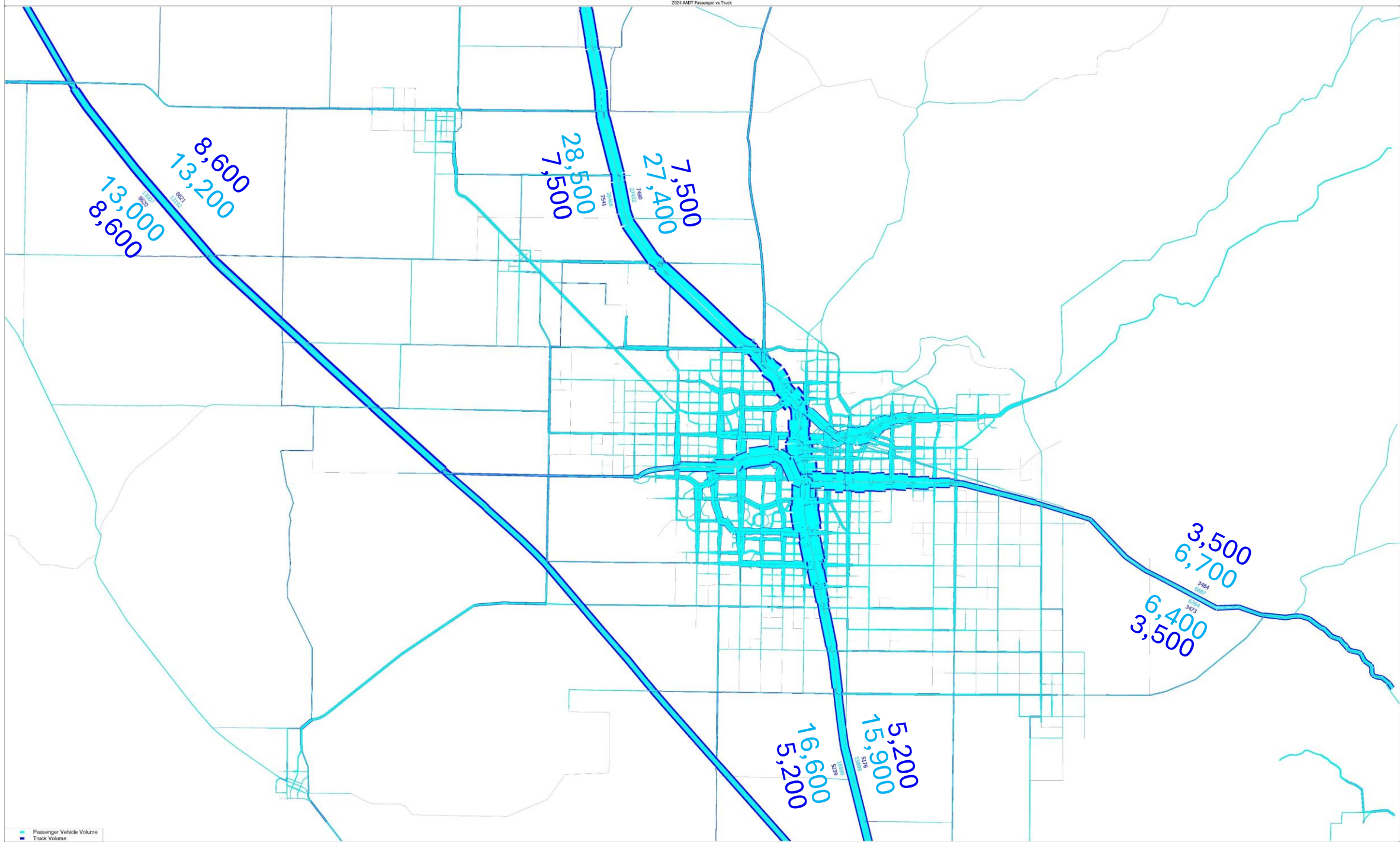
2026 Kern COG
Regional Travel
Demand Model

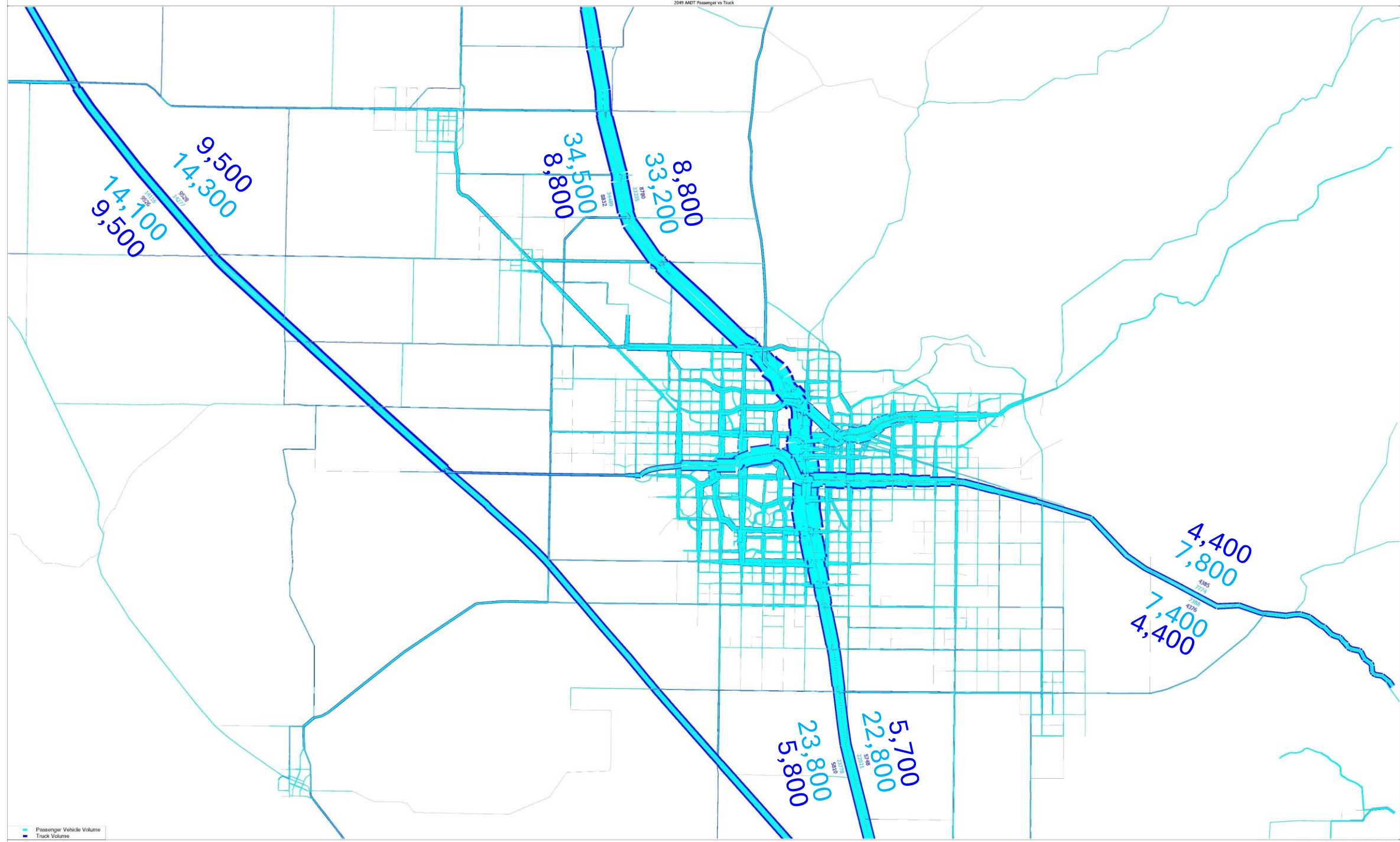


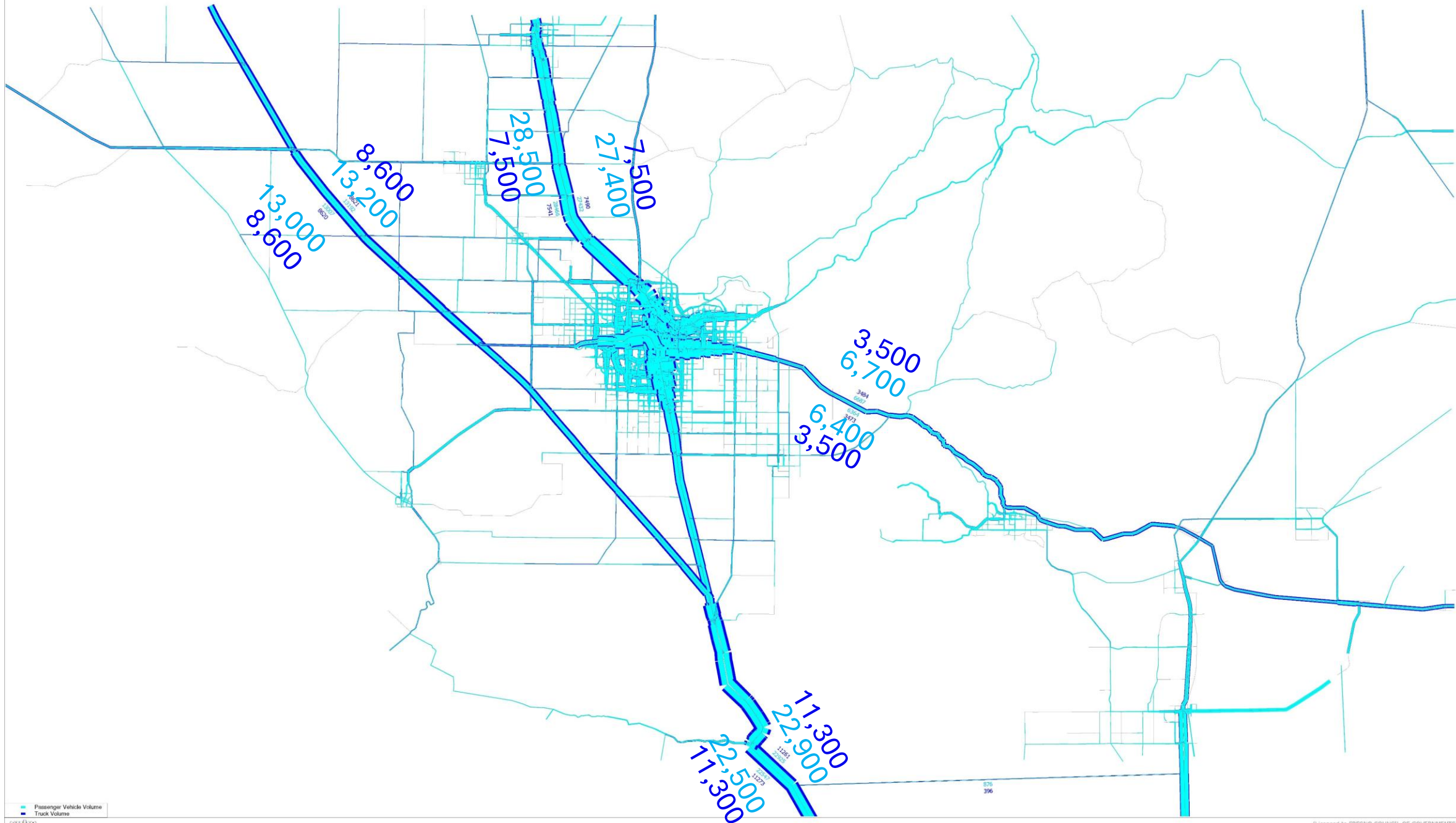
3-Step Truck Model

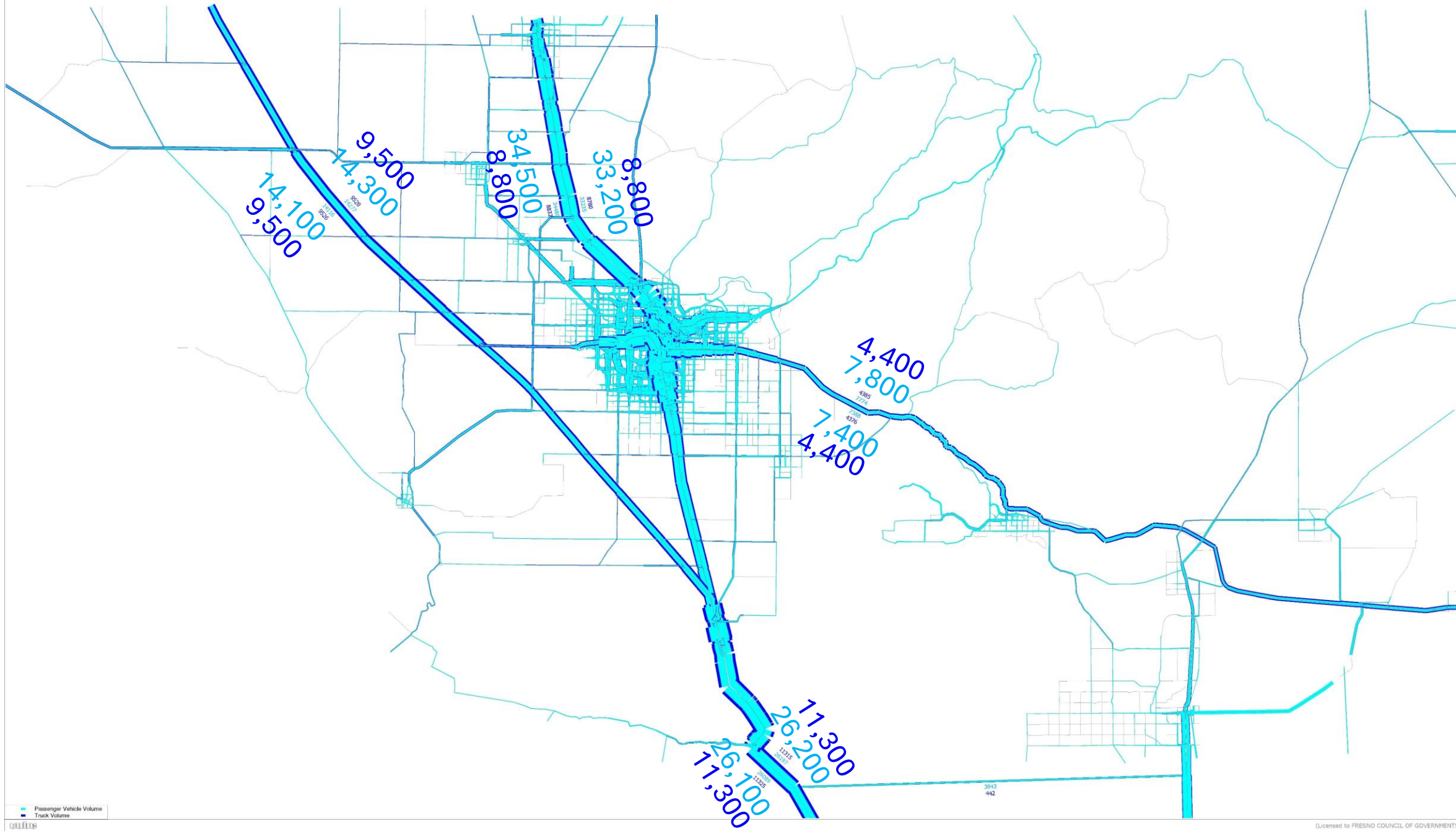
2026 Kern COG
Regional Travel
Demand Model



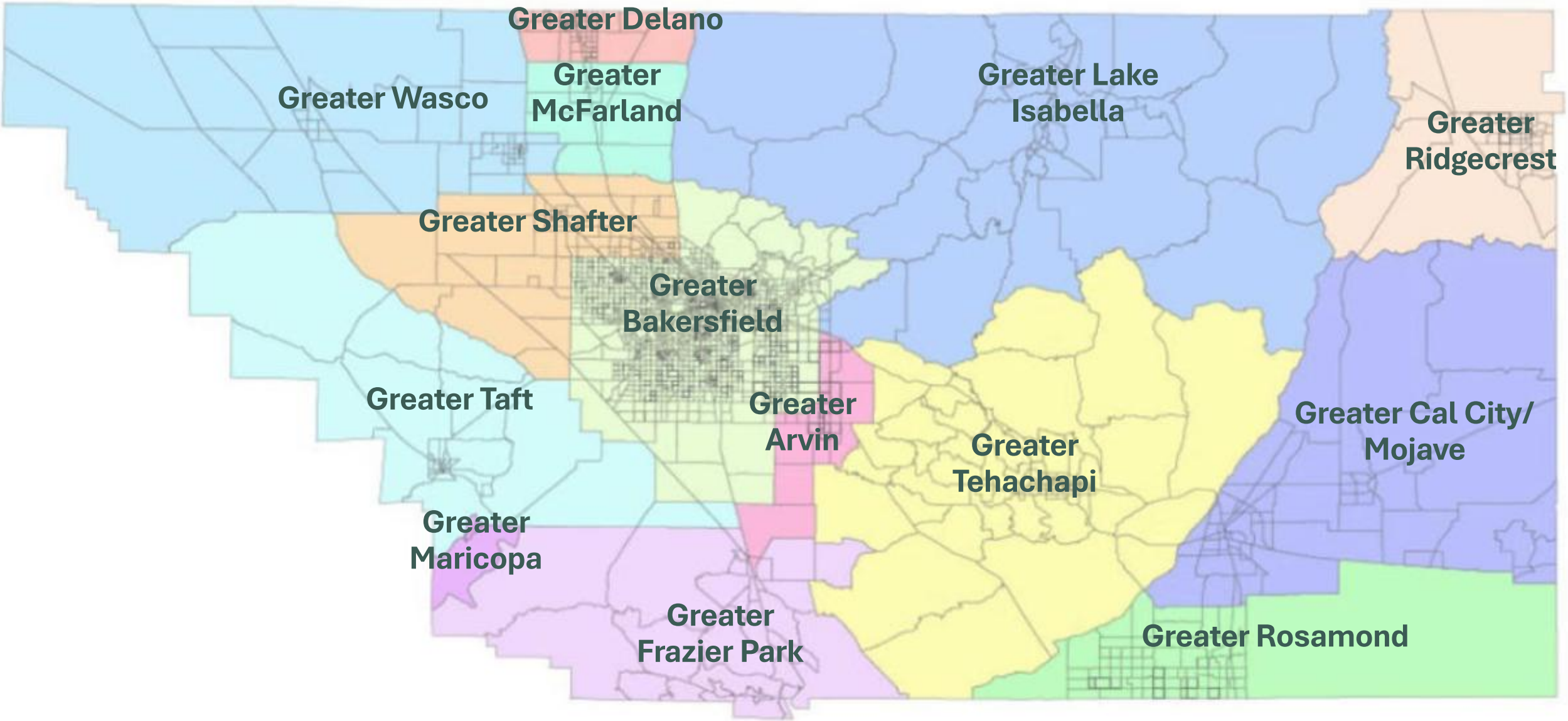




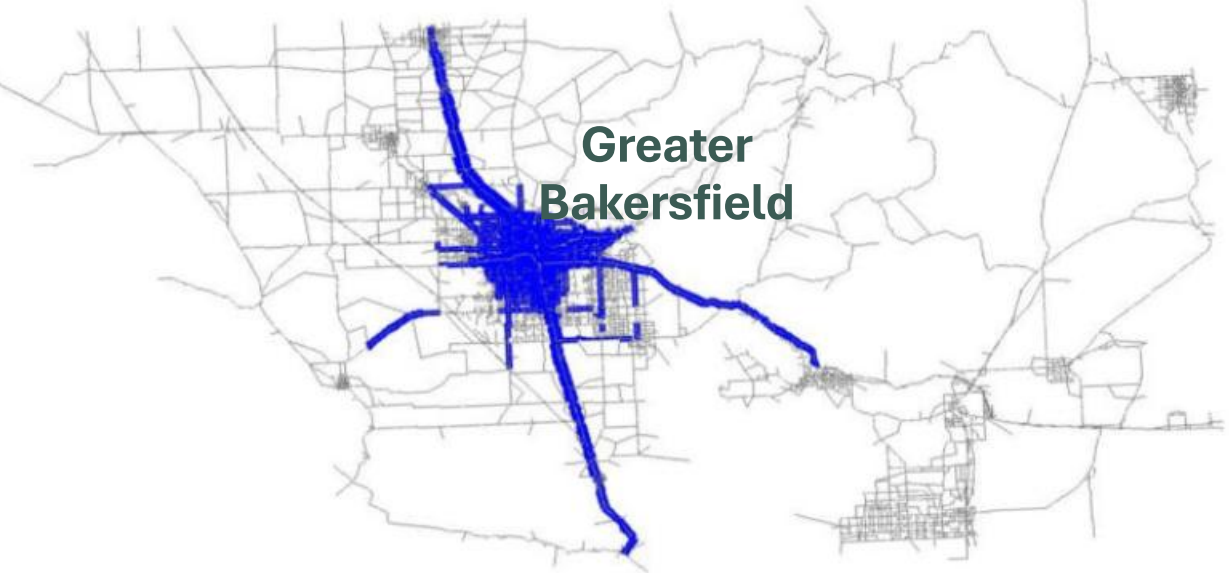




Modeling Sub Areas – How are our communities doing?



2024 Travel Volumes By Sub Area



Vehicle Travel Per Person Is Dropping – Shafter & Delano

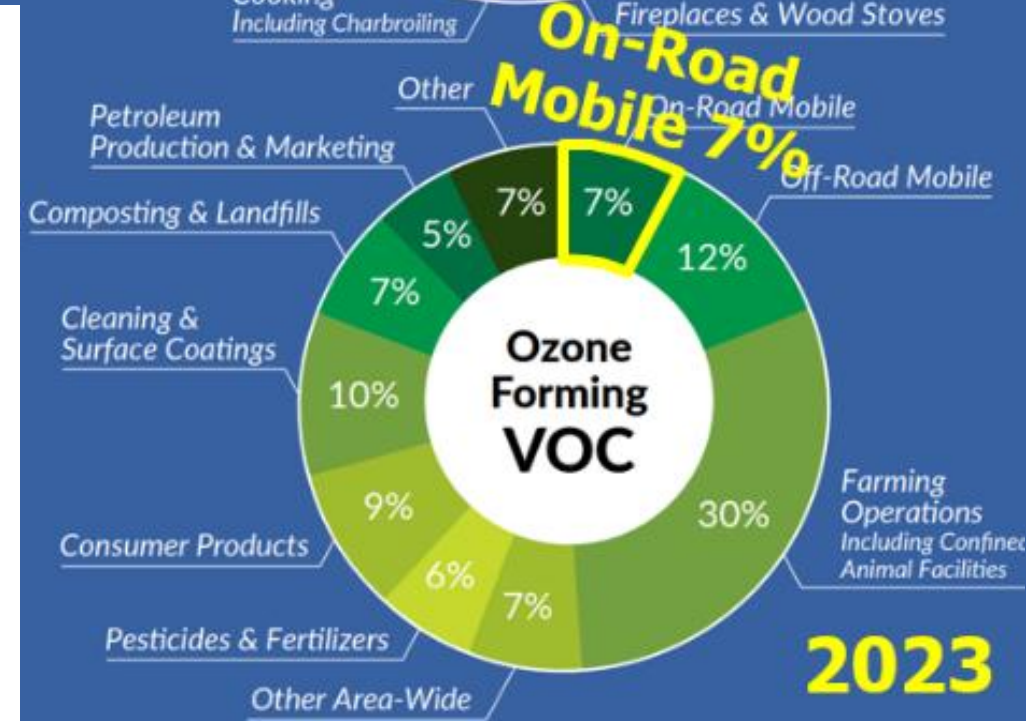
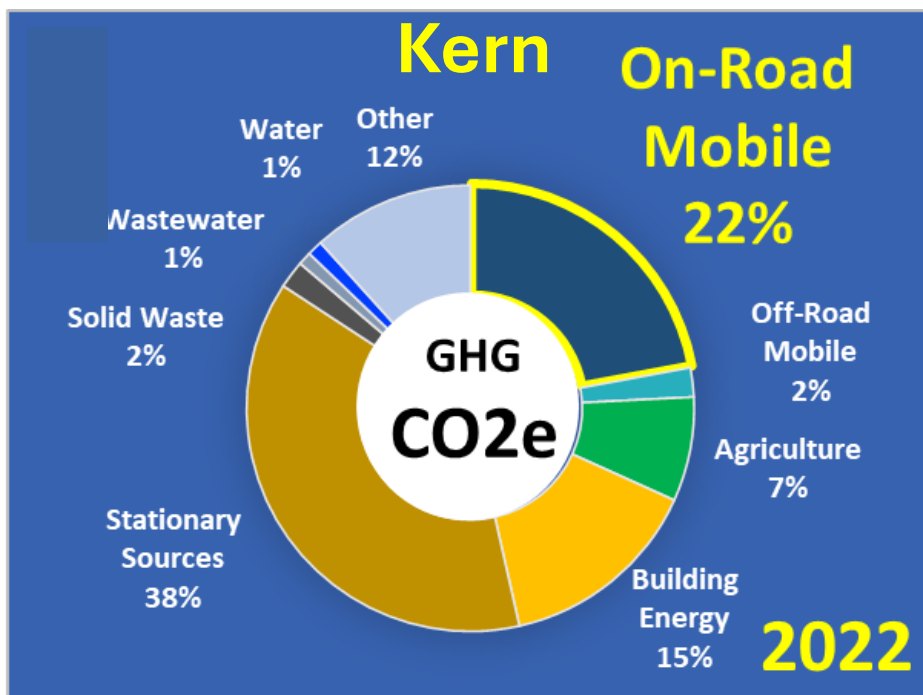
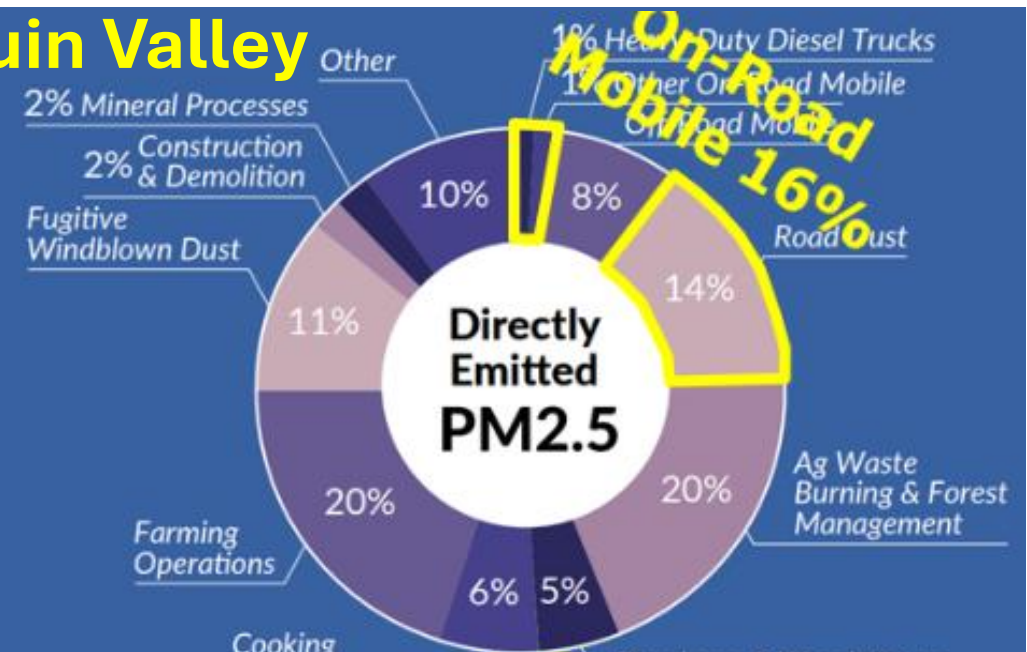
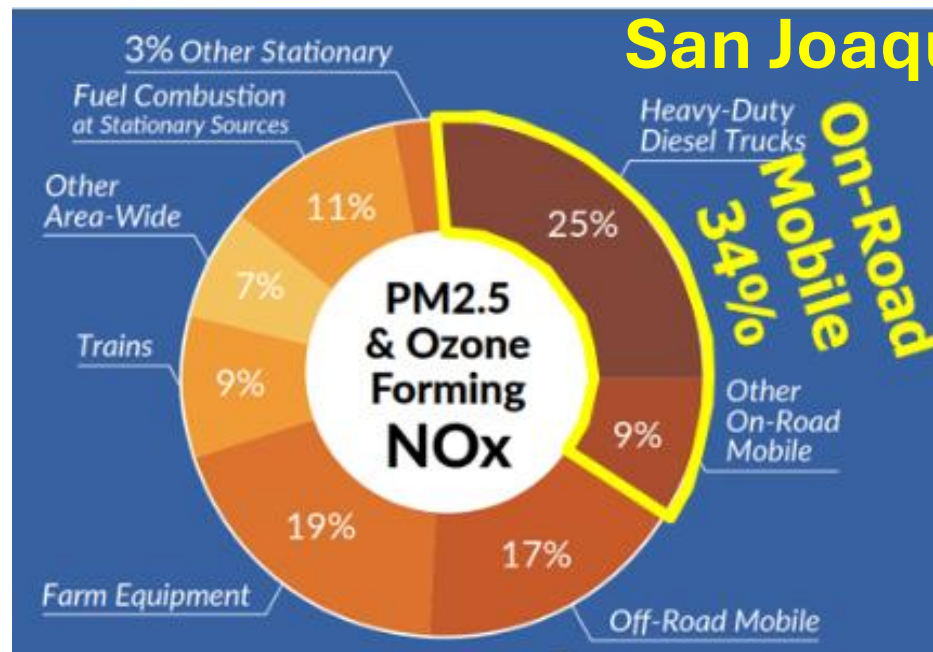
Data Source: 2026 RTP Modeling		RSA Vehicle Miles Traveled (VMT)			Persons = Hhold. Pop. + Emps. (by place of work)			VMT Per Person (pop. + emps.)			% Change from Base 2024		Progress Compar- ed to Old Plan
Regional Statistical Areas (RSA)		2024	2049 Old Plan	2049 Plan	2024	2049 Old Plan	2049 Plan	2024	2049 Old Plan	2049 Plan	2024 & 2049 Old Plan	2024 & 2049 Plan	
		(miles x 1,000)			(persons)			(miles/person)			(percent)		
1	Greater Taft	1,098	1,206	1,185	27,769	31,786	30,185	39.53	37.93	39.27	-4.1%	-0.7%	3.4%
2	Greater McFarland	875	981	1,074	19,018	21,701	24,373	46.00	45.22	44.08	-1.7%	-4.2%	-2.5%
3	Greater Wasco	1,503	1,643	1,558	39,123	46,682	45,221	38.41	35.20	34.44	-8.4%	-10.3%	-2.0%
4	Greater Tehachapi	1,276	1,437	1,357	41,812	47,322	46,301	30.51	30.36	29.32	-0.5%	-3.9%	-3.4%
5	Greater Bakersfield	13,711	15,120	14,730	822,222	912,274	912,203	16.68	16.57	16.15	-0.6%	-3.2%	-2.6%
6	Greater Cal City/Mojave	1,182	1,470	1,145	26,711	35,160	28,451	44.26	41.80	40.24	-5.6%	-9.1%	-3.5%
7	Greater Lake Isabella	738	717	673	20,492	21,298	20,098	36.04	33.66	33.51	-6.6%	-7.0%	-0.4%
8	Greater Ridgecrest	1,197	1,246	1,183	48,540	52,196	51,537	24.66	23.88	22.95	-3.2%	-7.0%	-3.8%
9	Greater Frazier Park	1,051	2,682	2,692	18,820	57,727	60,323	55.84	46.46	44.63	-16.8%	-20.1%	-3.3%
10	Greater Shafter	2,064	2,701	2,676	49,165	70,034	74,963	41.97	38.56	35.70	-8.1%	-14.9%	-6.8%
11	Greater Arvin	782	876	881	23,391	25,844	26,806	33.41	33.88	32.85	1.4%	-1.7%	-3.1%
12	Greater Delano	1,882	2,033	2,036	53,533	56,031	58,535	35.15	36.29	34.77	3.2%	-1.1%	-4.3%
13	Greater Maricopa	49	47	45	1,548	1,519	1,496	31.65	30.77	30.15	-2.8%	-4.7%	-2.0%
14	Greater Rosamond	1,875	2,064	1,946	37,153	42,524	41,606	50.47	48.54	46.76	-3.8%	-7.4%	-3.5%
Countywide total/average		29,282	34,222	33,182	1,229,296	1,422,099	1,422,100	23.82	24.06	23.33	1.0%	-2.0%	-3.1%
Gateways		29,570	32,762	32,451									
All Travel		58,852	66,984	65,632									

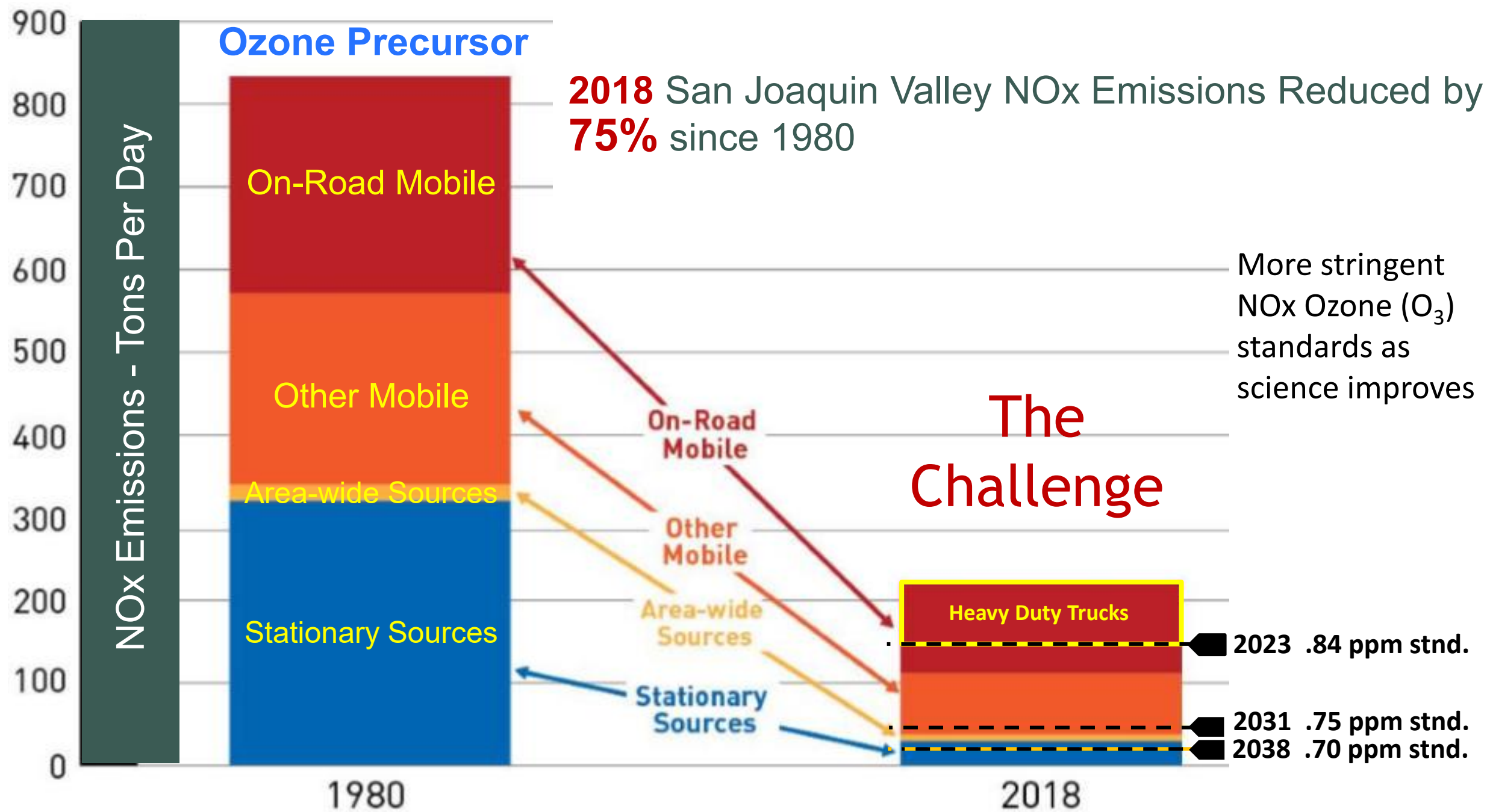
Travel Per Person is 3.1% lower than Prior Plan

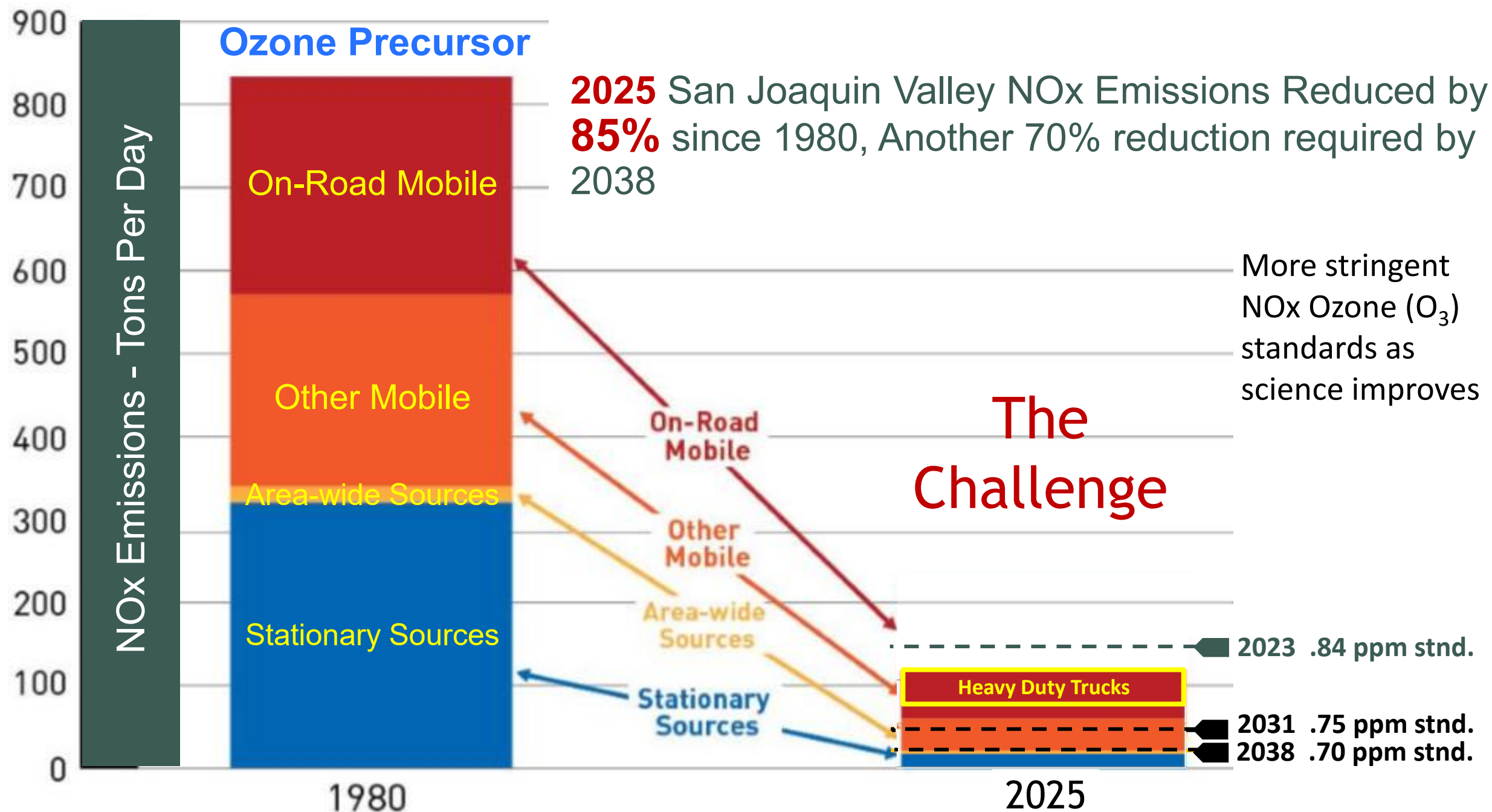
Bad Air Sources:

NOx can help form Ozone and Particulate Matter (PM).

Diesel Trucks make up 25% of NOx sources.





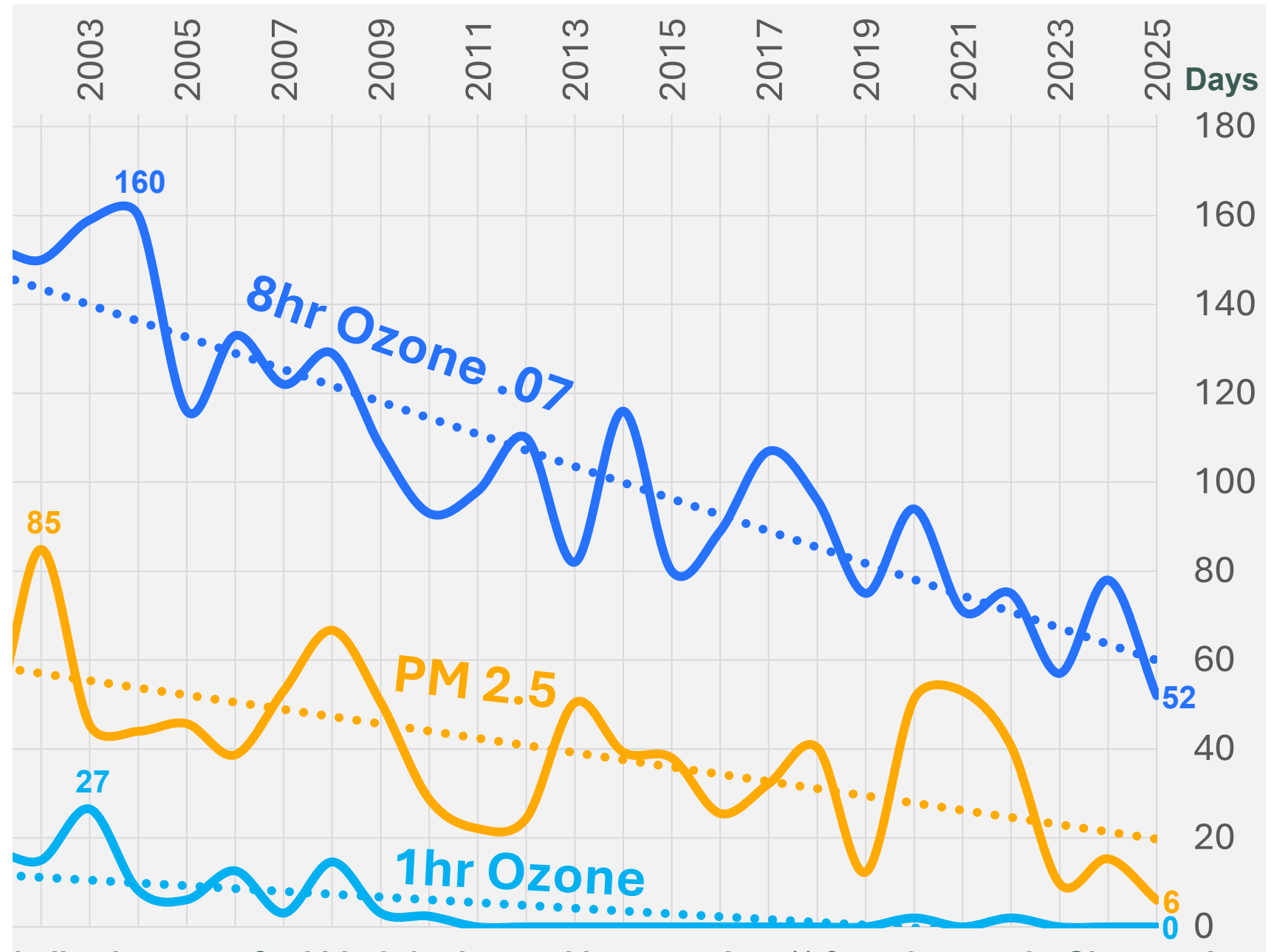


SJ Valley Bad Air Days

***8 hr. Ozone - 67%
drop in bad air
days from 160 to
52, 2004-2025***

***PM2.5 - 93% drop
in bad air days
from 85 to 6, 2002-
2025***

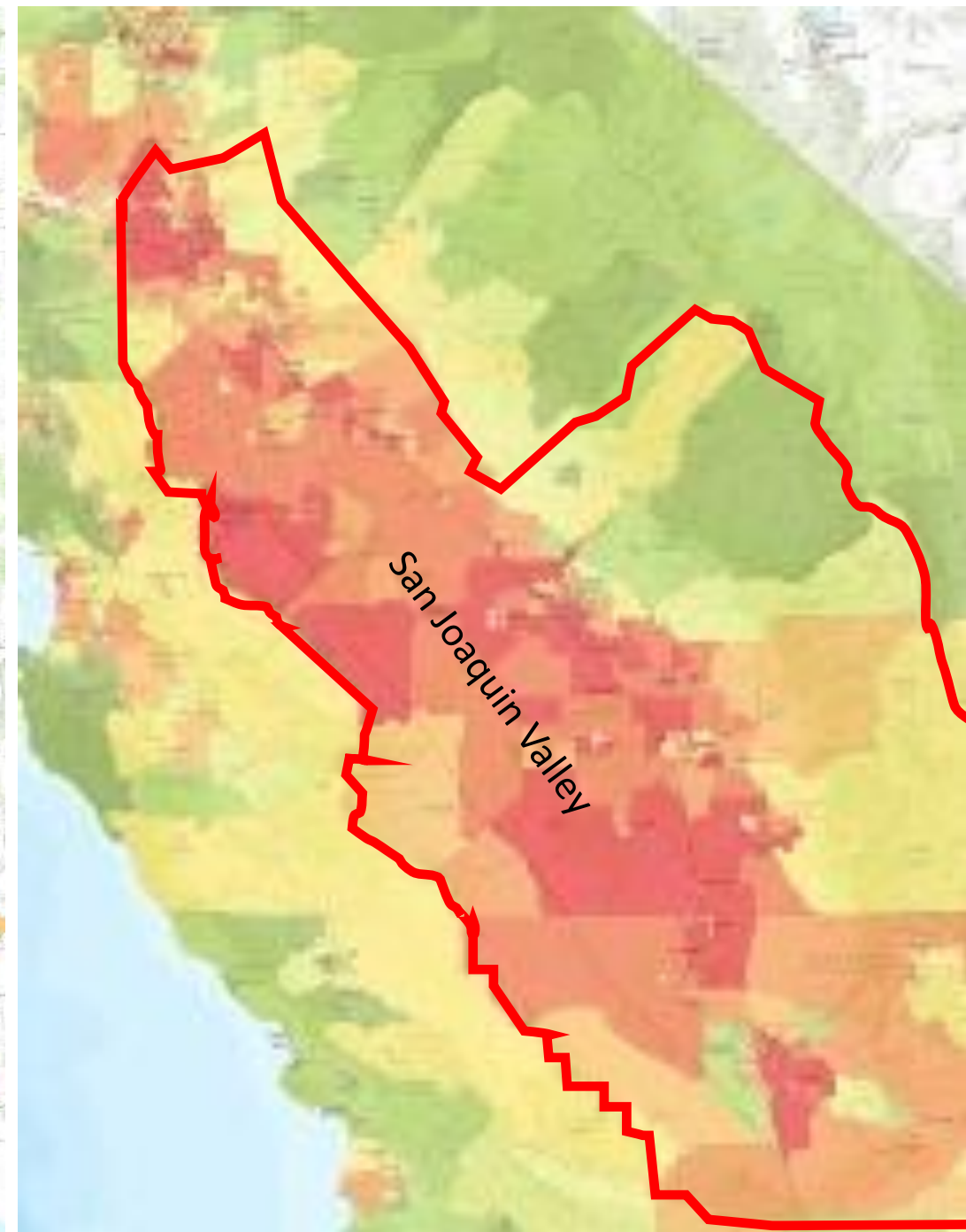
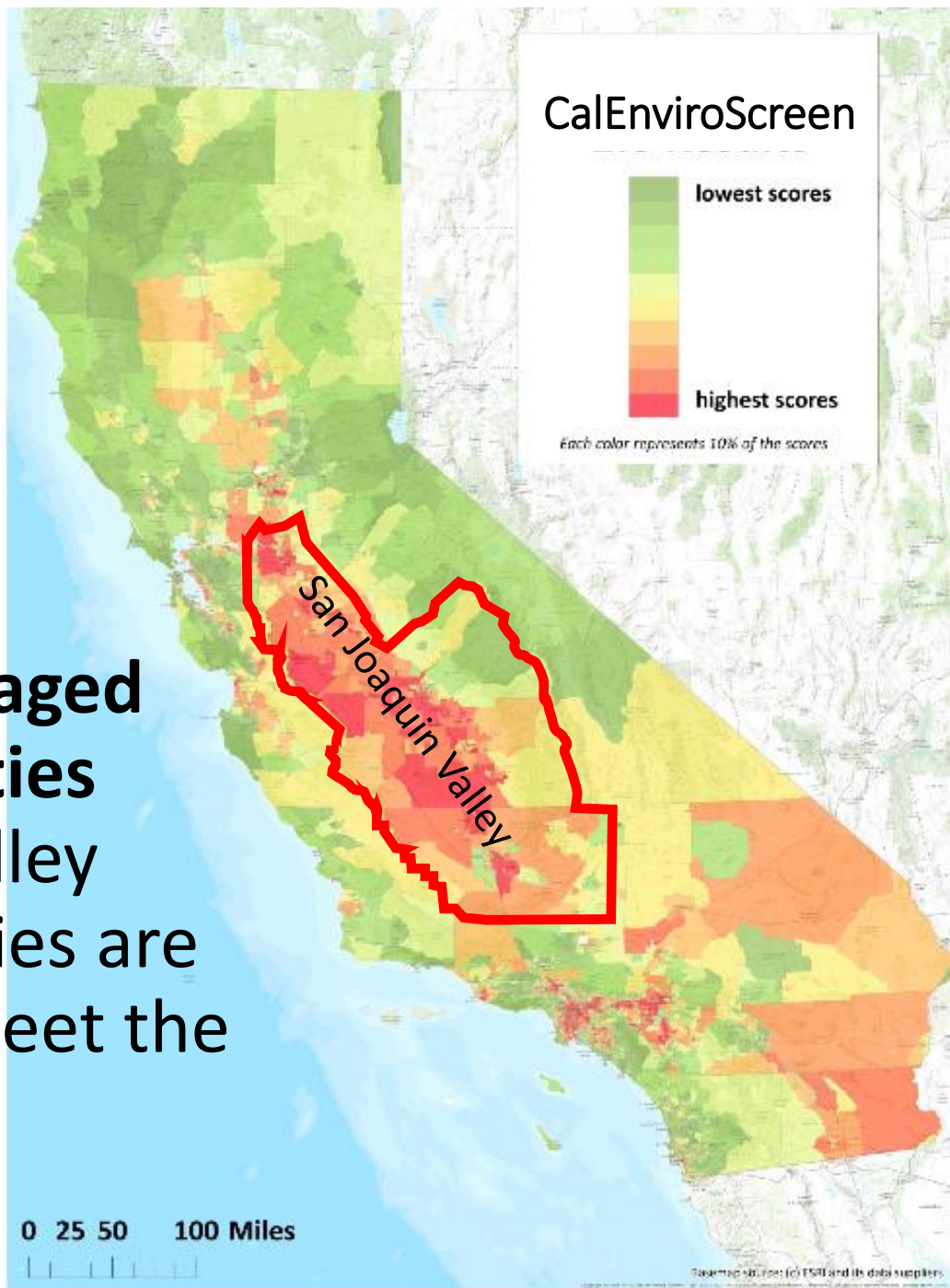
***1 hr. Ozone-100%
drop from 27 to 0***



Note: From 2014-24, Kern Asthma hospitalization rates for kids 0-17 dropped by more than ½ from 9.4 to 4.2. Cleaner air may account for part. Other factors: better medical treatment techniques, reduced 2nd hand smoke, change in methodology.



**Disadvantaged
Communities**
Central Valley
communities are
rising to meet the
challenges





A Robert Wood Johnson Foundation program

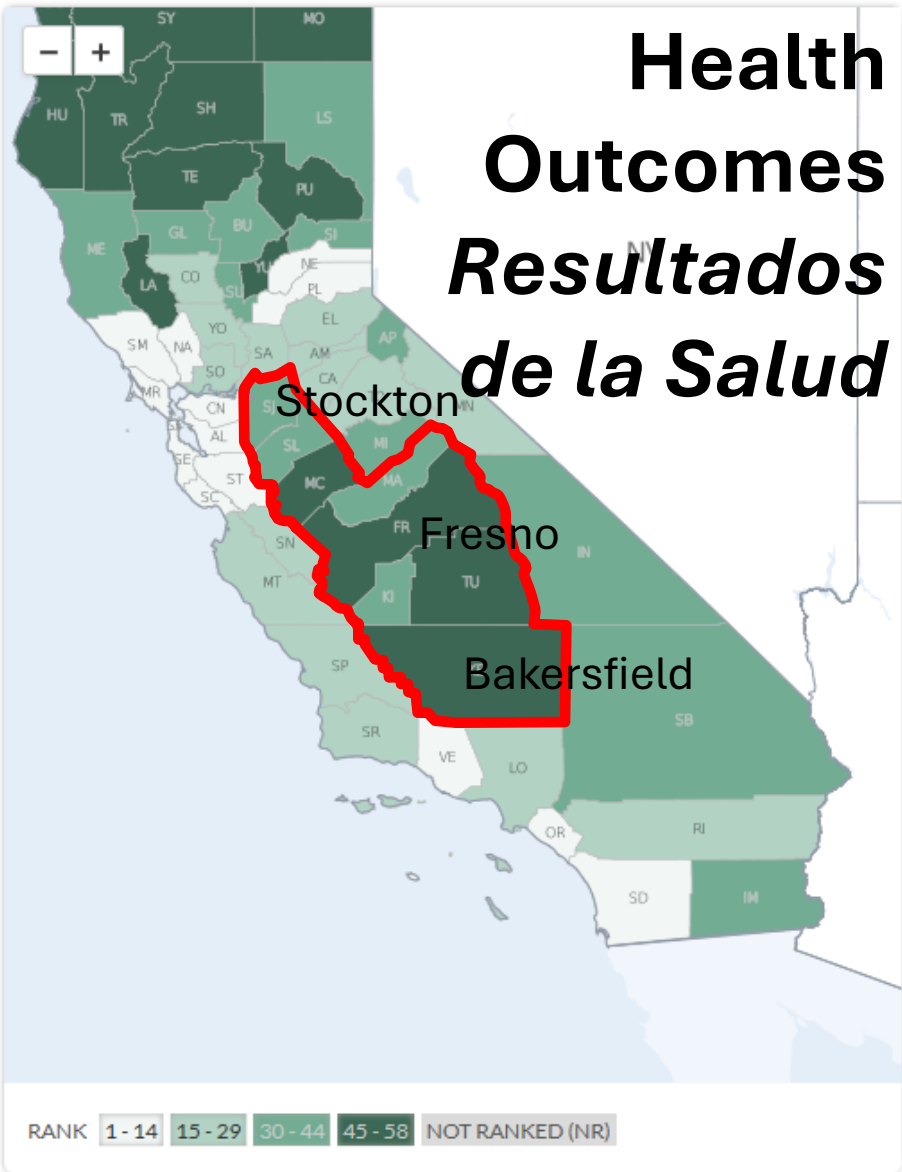
RWJ COUNTY HEALTH RANKINGS:

To improve under this health ranking method, **we need a balanced approach** to improve the environment and economy. **Roughly half their factors are economic.**

CLASIFICACIONES DE SALUD DE CONDADO DE RWJ:

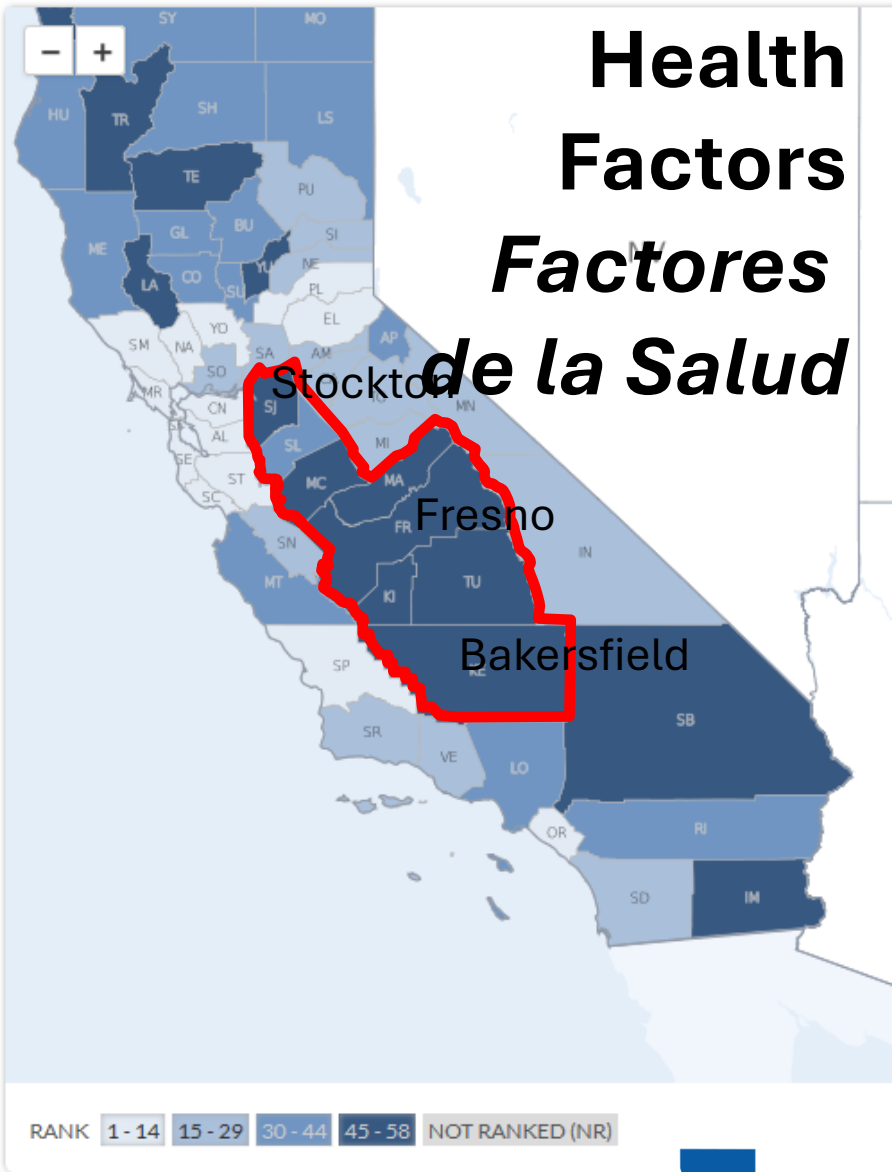
Para mejorar bajo este método de clasificación de la salud, **necesitamos un enfoque equilibrado** para mejorar el medio ambiente y la economía. **Aproximadamente la mitad de sus factores son económicos.**

Overall Rankings in Health Outcomes ⓘ



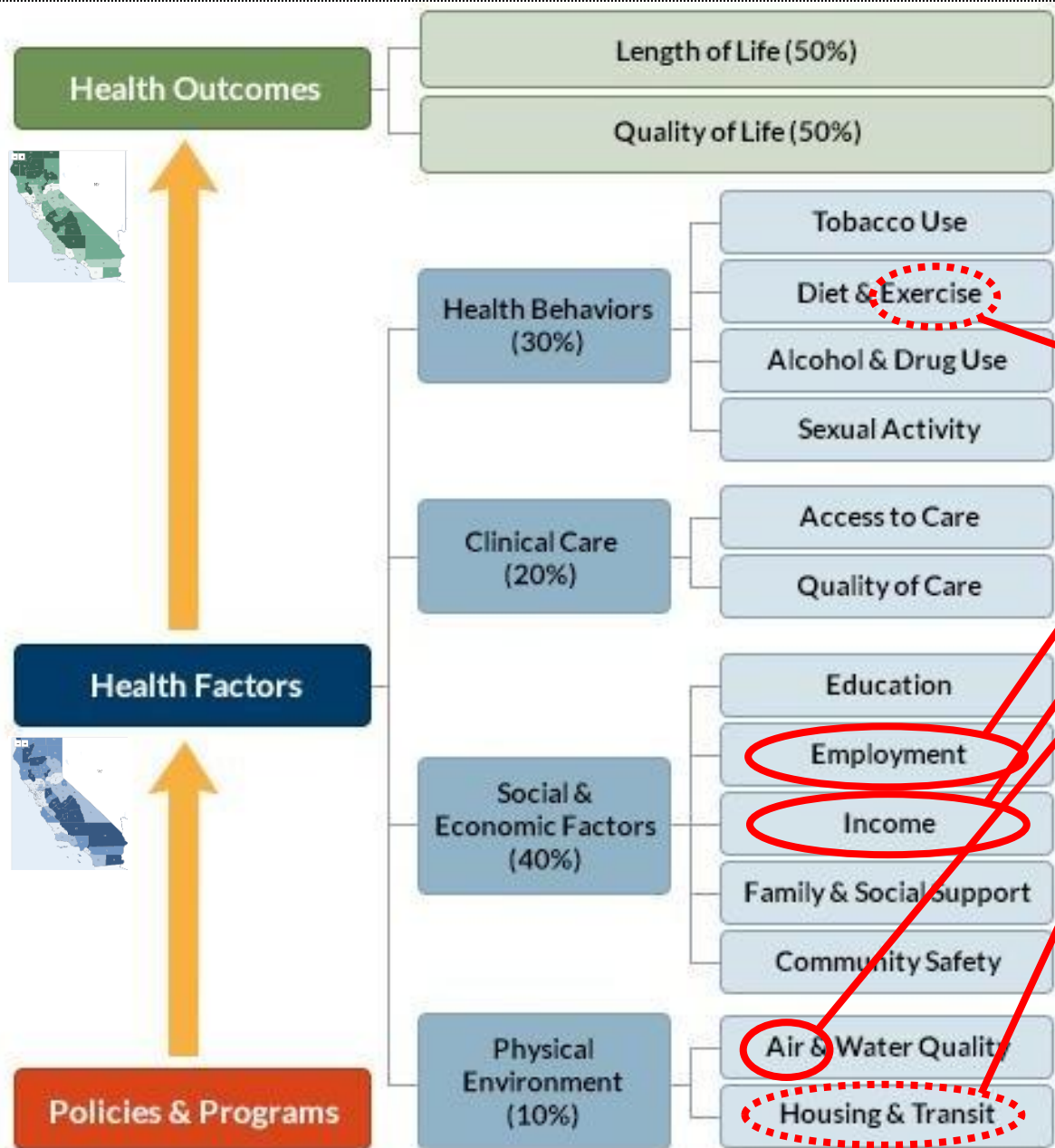
<http://www.countyhealthrankings.org/explore-health-rankings/our-methods>

Overall Rankings in Health Factors ⓘ



RWJ County Health Ranking Methodology

2.5% of Valley Counties' Poor Health Ranking Due to the Air, 16% Due to the Economy!



Estimated Weights of Transportation Related Factors on Health Ranking:

- 4% - Exercise (walking, biking)
- 8% - Employment (economic growth)
- 8% - Income (economic growth)
- 2.5% - Air (vehicle emissions)
- 5% - Housing & Transit (job access, walking)

Transportation Related Factors Affect Less than 30% of the region's health ranking and more than half (16%) are economic growth related.

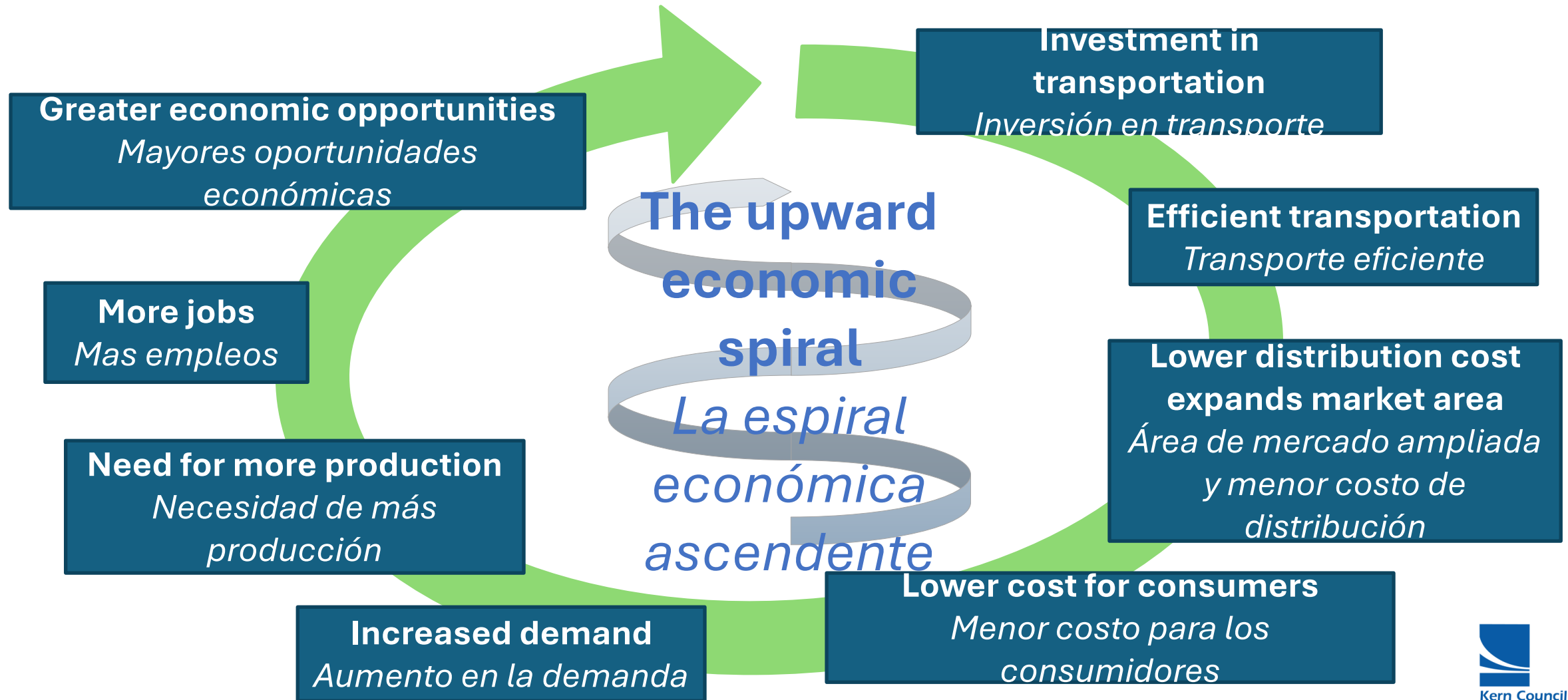
County Health Rankings & Roadmaps
Building a Culture of Health, County by County

A Robert Wood Johnson Foundation program

<http://www.countyhealthrankings.org/explore-health-rankings/our-methods>

Transportation Investment in Goods Movement Helps Drive the Economy

La inversión en transporte en el movimiento de mercancías ayuda a impulsar la economía



3 Electric Vehicle Charging Blueprints in 6-Years: Kern 13% EV Sales Surpass Adoption Tipping Point



Kern County Electric Vehicle
Charging Station Blueprint 2019

2025 Passenger Electric Vehicle Charging Station (EVCS) Blueprint Update – New Goal: By 2035, 4,426-12,745 EV charging spaces. Kern is at 10-15% tipping point for rapid EV growth in 2025. [https://www.kerncog.org/wp-content/uploads/2026/01/EVCS Blueprint Update 2025.pdf](https://www.kerncog.org/wp-content/uploads/2026/01/EVCS_Blueprint_Update_2025.pdf)

2023 Medium/Heavy Duty TRUCK ZEV Blueprint – Identifies 5 major ZEV Truck Stops. [https://www.kerncog.org/wp-content/uploads/2023/04/2023 MD-HD ZEV Infrastructure Blueprint.pdf](https://www.kerncog.org/wp-content/uploads/2023/04/2023_MD-HD_ZEV_Infrastructure_Blueprint.pdf)

2019 Passenger Vehicle EVCS Blueprint – Goal: By 2035, 4,426 Electric Vehicle Charging spaces, 83% installed by 2025. [https://www.kerncog.org/wp-content/uploads/2019/06/EV Blueprint 2019.pdf](https://www.kerncog.org/wp-content/uploads/2019/06/EV_Blueprint_2019.pdf)



New Strategy

Planned HD Truck Zero Emission Vehicles (ZEVs) Are Part of the Solution



264-475
kWh



475
kWh



653
kWh



900
kWh



396
kWh



753
kWh



220+
kWh

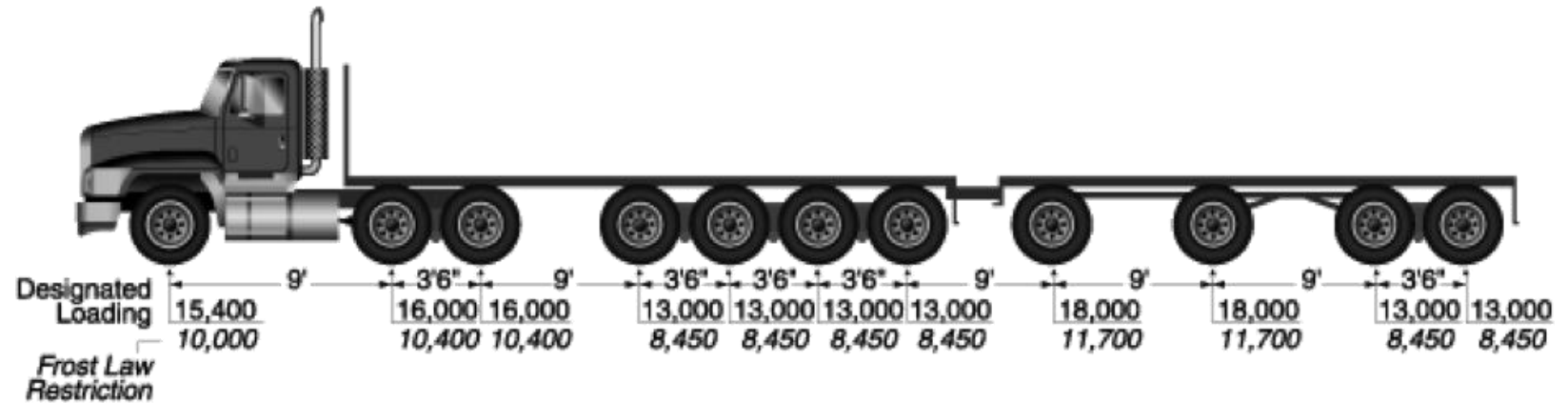
Figure 8.3 Kern High Priority Medium- and Heavy-Duty ZEV Infrastructure Projects



40 Truck Charging Units at WattEV Solar
Battery Electric Off-Grid Truck Stop

Heavier Loads + Even More Tires = Less Weight/Tire = Fewer Trucks, Better Air, Less Wear and Tear on Roads, Savings on Road Maintenance to Re-invest in Capacity

Reduce Truck Tire Weight (Michigan 160k lb. Max. Axel Spacing Diagram)



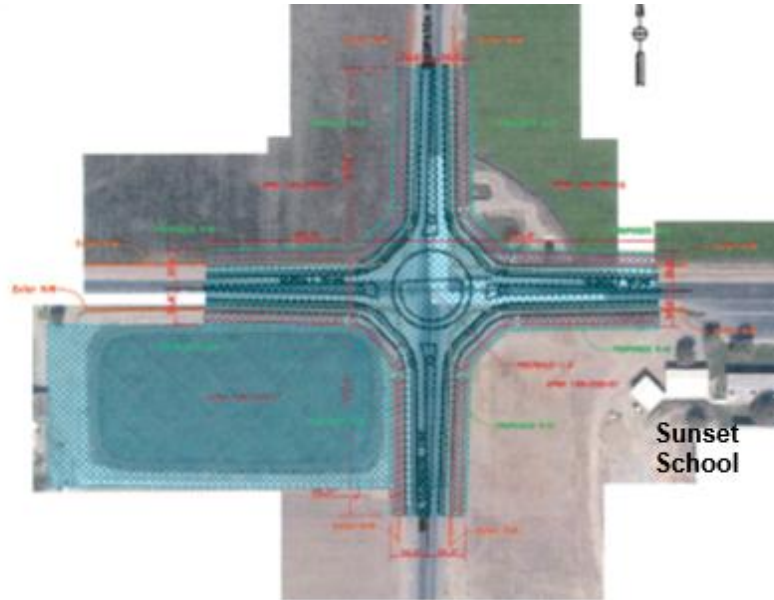
Truck tolling is discussed in a report by the Information Technology and Innovation Foundation presented to Congress in 2013 <http://www2.itif.org/2013-oct-house-testimony-atkinson.pdf>.

Nine Rural Roundabouts In/Near Communities of Arvin, Delano, Shafter, Wasco and Weedpatch

- 5 roundabouts on rural state routes including 43/58, 155, 184, and 223
- 4 more under design/construction on 43 near Shafter and in Wasco
- Projects smooth traffic flow reduce queuing and complete stops at stop signs/signals, reducing emissions, and fatal “T-bone” crashes

COST OF PROJECTS: \$3-\$10 million each

YEAR OF CONSTRUCTION: 2019-2030



New Strategy



Section 6

What is Attracting Growth to Central California

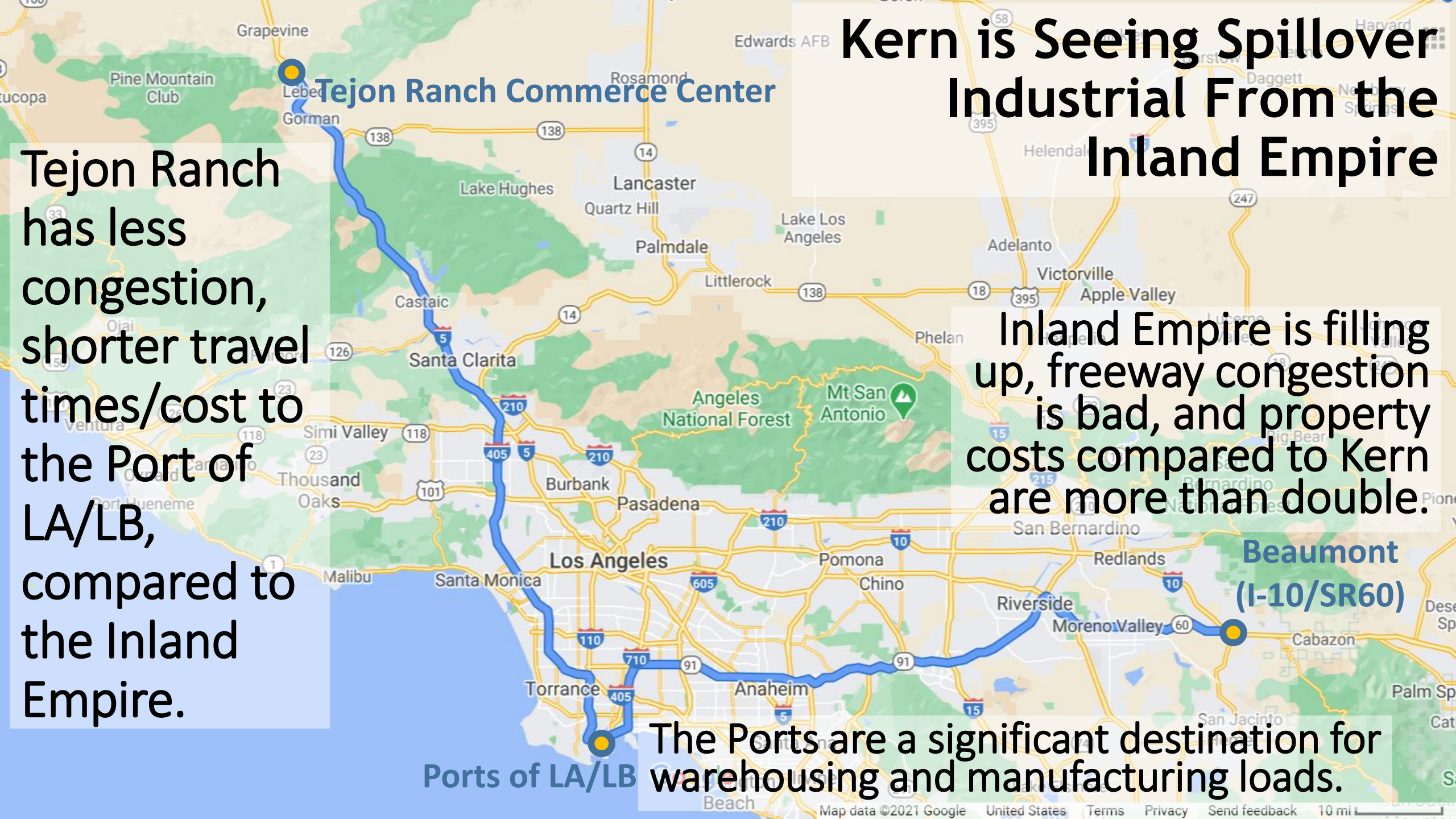


Kern is Seeing Spillover Industrial From the Inland Empire

Tejon Ranch has less congestion, shorter travel times/cost to the Port of LA/LB, compared to the Inland Empire.

Inland Empire is filling up, freeway congestion is bad, and property costs compared to Kern are more than double.

The Ports are a significant destination for warehousing and manufacturing loads.



Tejon Ranch Commerce Center Federal Foreign Trade Zone (Duty Free)

2014-2018 Observed
Trucks Per Day (TPD)*
www.kerncog.org/traffic-counts

8 Distribution Centers (DCs), half in last 6 years
4.5M Square Feet - 2019
2,500 Jobs - 2015
Nestles Ice Cream Plant
(under const.) 2025

Caterpillar Parts DC
Camping World DC/IKEA
2013
L'Oreal DC/
Dollar General
2017
2019

Famous
Footware DC
2011

Truck
Stop

500 - 1,500 TPD

Tejon Outlets
2013

Truck
Stop

1,250 - 1,800 TPD

Truck
Parking

Vision Media/
IKEA DC 2005

Dollar General DC
2012

IKEA DC
2003

17,000 Avg. Annual TPD
Grapevine
To L.A.

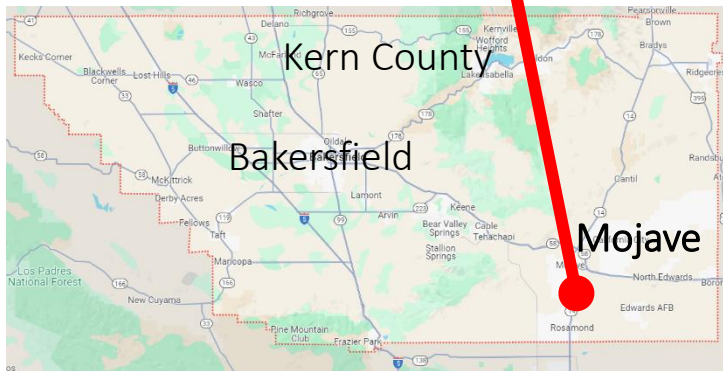


* Truck counts on local roadways are from the Kern COG regional traffic count program, taken at different times of the year and not adjusted for seasonal variation. TPD counts are non-annualized, weekday, 24-hour counts using multiple hoses to classify observed trucks. TPD counts shown are of combination (combo) trucks with at least one trailer and 4+ axels. Same for all

Reshoring Manufacturing Trend

First new steel mill
in CA in over 50
years to make rebar
from scrap steel.

Project



EIR for proposed steel micro mill near Mojave with 400 jobs expected Nov. 17, 2023

By CLAUDIA ELLIOTT For Tehachapi News Nov 7, 2023



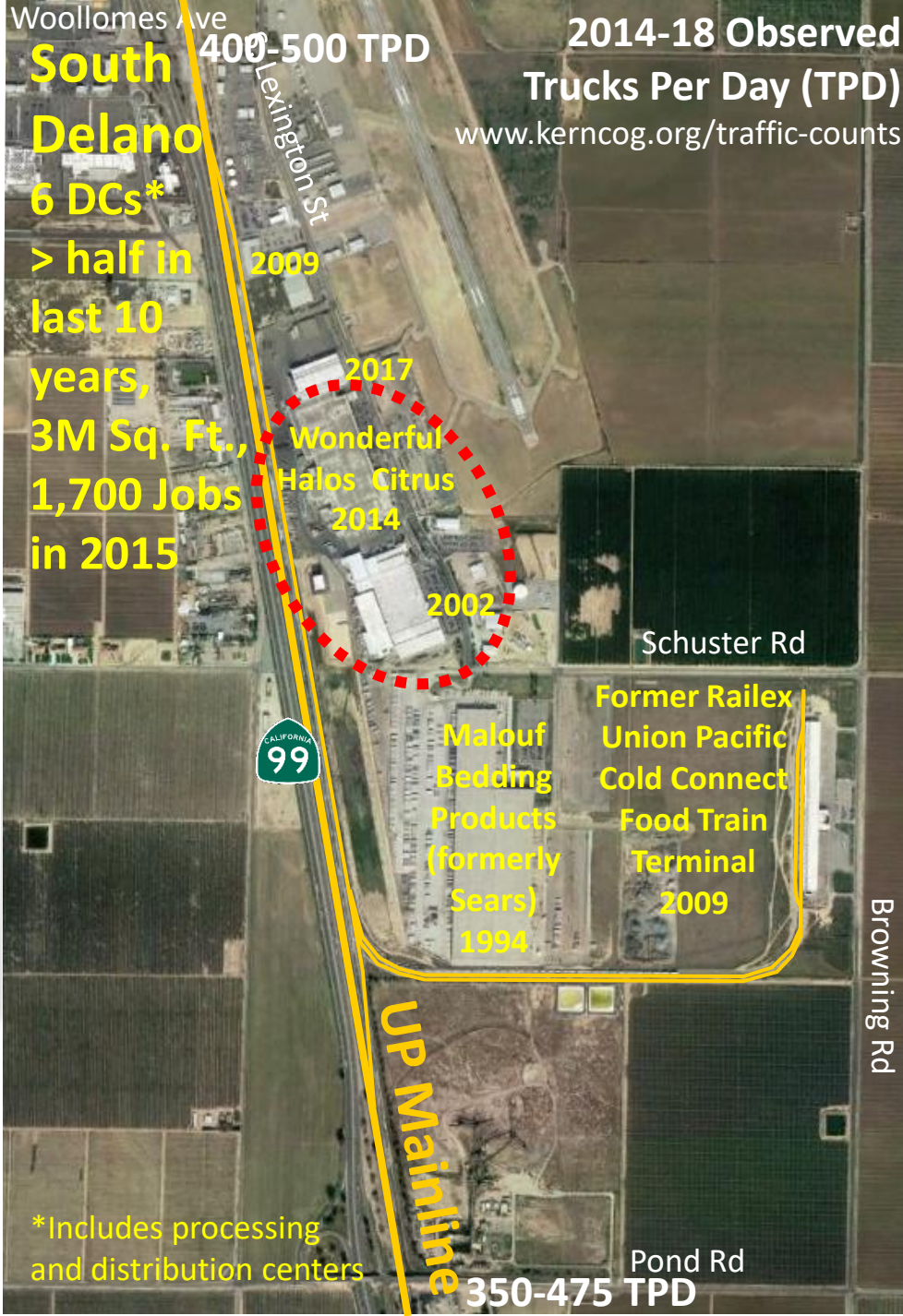
Pacific Steel Group has proposed a micro mill to produce steel rebar to be built near Mojave.

Courtesy of Pacific Steel Group

South Delano – Wonderful Halos/Citrus

World's Largest Citrus Processing Facility

Top 3 Ag Producing Counties in U.S. - Kern, Fresno, Tulare
Export produce from all over CA (CV, Salinas, Imperial)



California's Emerging Trucking Center

California Logistics Distribution Center Cluster

Over 450 Distribution Centers Located within 50 Miles of State Center of Population

Located in Kern County in the immediate vicinity of the City of Shafter, the geographic center of population is the weighted single point that is closest to all people in California. It is the location with the lowest shipping cost and carbon footprint for facilities designed to ship to consumers statewide. It is also a hub for shipping goods throughout the West.

51 Selected Distribution Centers & Manufacturing Facilities By Size¹

MSF ²	Dist. Center (DC), Manufacturing (MFG)	MSF DC/MFG	MSF DC/MFG		
2.60	Amazon Small Sort DC -Intl Airport(BFL)	0.50	IKEA Annex DC - T	0.24	Men's Wearhouse DC - B
2.00	Ross Dress4Less DC - Shafter (S)	0.50	L'Oreal Cosmtcs/Rectorseal DC - T	0.23	JLL/Dedeaux Prop. (spec bldg) - T
1.80	Target DC - S	0.50	Camping World DC/Transformco - T	0.22	Cotterman, Destiny Pkng. - B
1.70	IKEA DC - Tejon Commerce Center (T)	0.40	Sunrise Brands DC - S	0.21	GAF Roofing Tiles Plant MFG - S
1.20	Malof Fine Linens DC - Delano (D)	0.40	Essendant Wholesale Supplies DC -S	0.20	FedX Ground DC - S
1.13	Walmart DC - Porterville	0.40	Caterpillar DC - T	0.20	UP Cold Connect Intrmdl. Rail DC - D
1.10	Amazon DC - S	0.40	Pactiv MFG - BFL	0.19	PFG Customized Distribution DC - S
1.10	Wonderful Co. (spec. bldg.) - S	0.37	U.S. Cold Storage DC - Bakersfield(B)	0.17	Camping World DC - BFL
1.00	Amazon Soft Goods DC - S	0.35	Famous Footware DC - T	0.16	KW Plastics MFG - BFL
1.00	Ross Dress4Less Annex 2 DC - S	0.35	Ross Dress4Less Annex 3 DC - S	0.15	Georae Fischer Harvel Plstcs. MFG -B
1.00	American Tire DC - S	0.31	GAF DC - S	0.15	Prime Valley Warehouse DC - B
1.00	Smuckers DC - S	0.30	Hillman DC - S	0.15	Sigler Wholesale Distributors DC - B
0.70	Nestle/Automated Facility MFG/DC - T	0.30	Formica DC - S	0.14	CarQuest Auto Parts DC - BFL
0.60	Walmart Refrigerated Grocery DC - S	0.30	Plant Prefab (housing mfg) - T	0.12	GAF Materials Corp MFG - S
0.60	Dollar General DC - T	0.28	Aptco - D	0.10	California Paper Products MFG - S
0.54	Drvers Ice Cream Plant MFG/DC - B	0.25	Hadco Metal Trading MFG/DC - BFL	0.03	Bakersfield QDC Intermodal DC - S
0.50	Dollar General/Vision Media DC - T	0.25	PPG Aerospace - Mojave	0.01	BNSF/Pac Trmnl Svcs Co Inland Port-S
¹ Excludes another 30+ MSF of ag & energy related distribution/processing facilities.				27.42	² Million Square Feet (MSF) Total

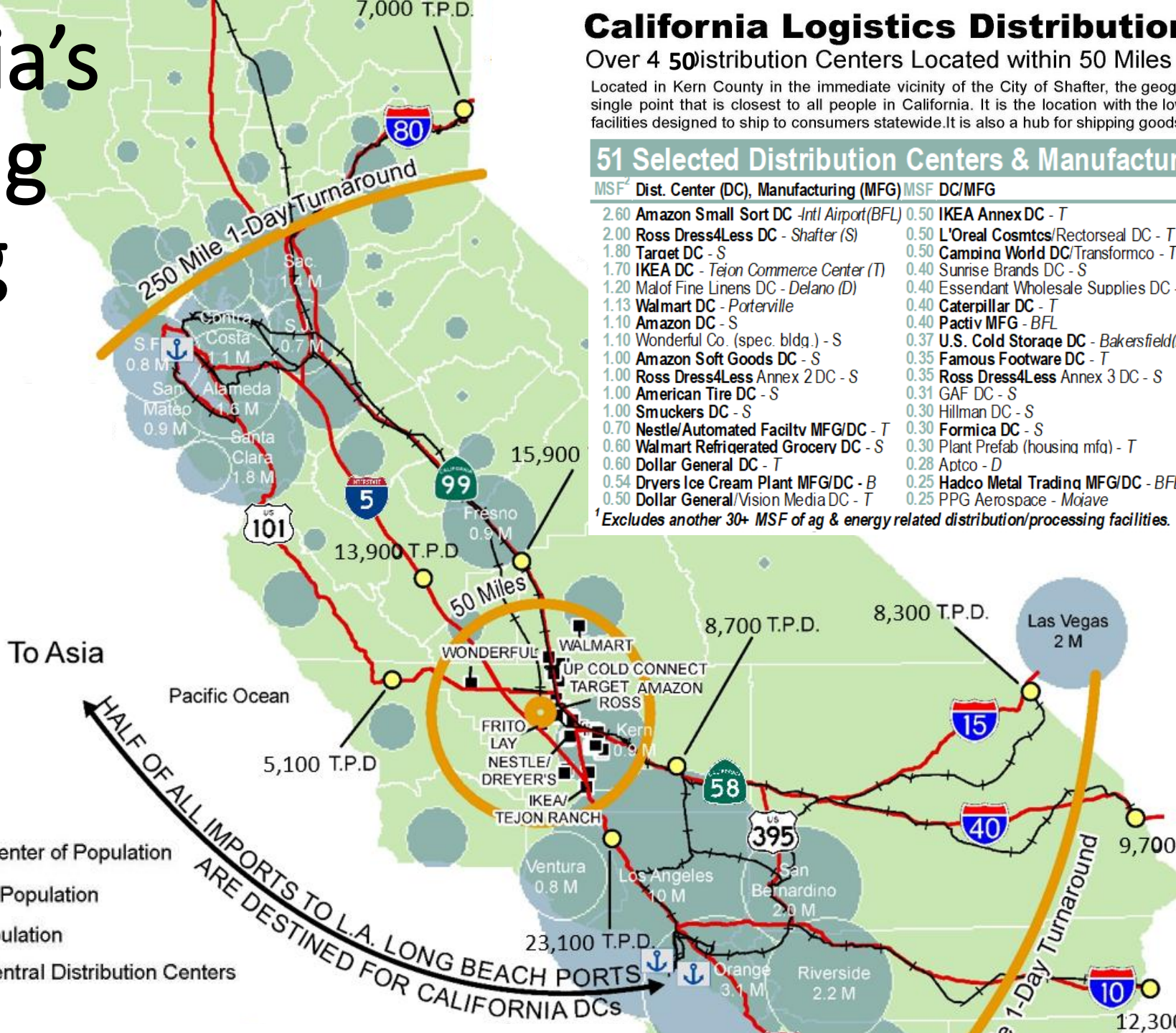
0 15 30 60 90 120 Miles

December 2017
www.kerncog.org
Kern Council of Governments

- Major Container Ports
- Distribution Centers
- California Geographic Center of Population
- Distance from Center of Population
- County Proportional Population

Major Route Used by Central Distribution Centers

Major Rail Routes



2024 Inventory found 186 Large and Medium Large DCs, manufacturing, and processing facilities totaling over 50 million square feet.

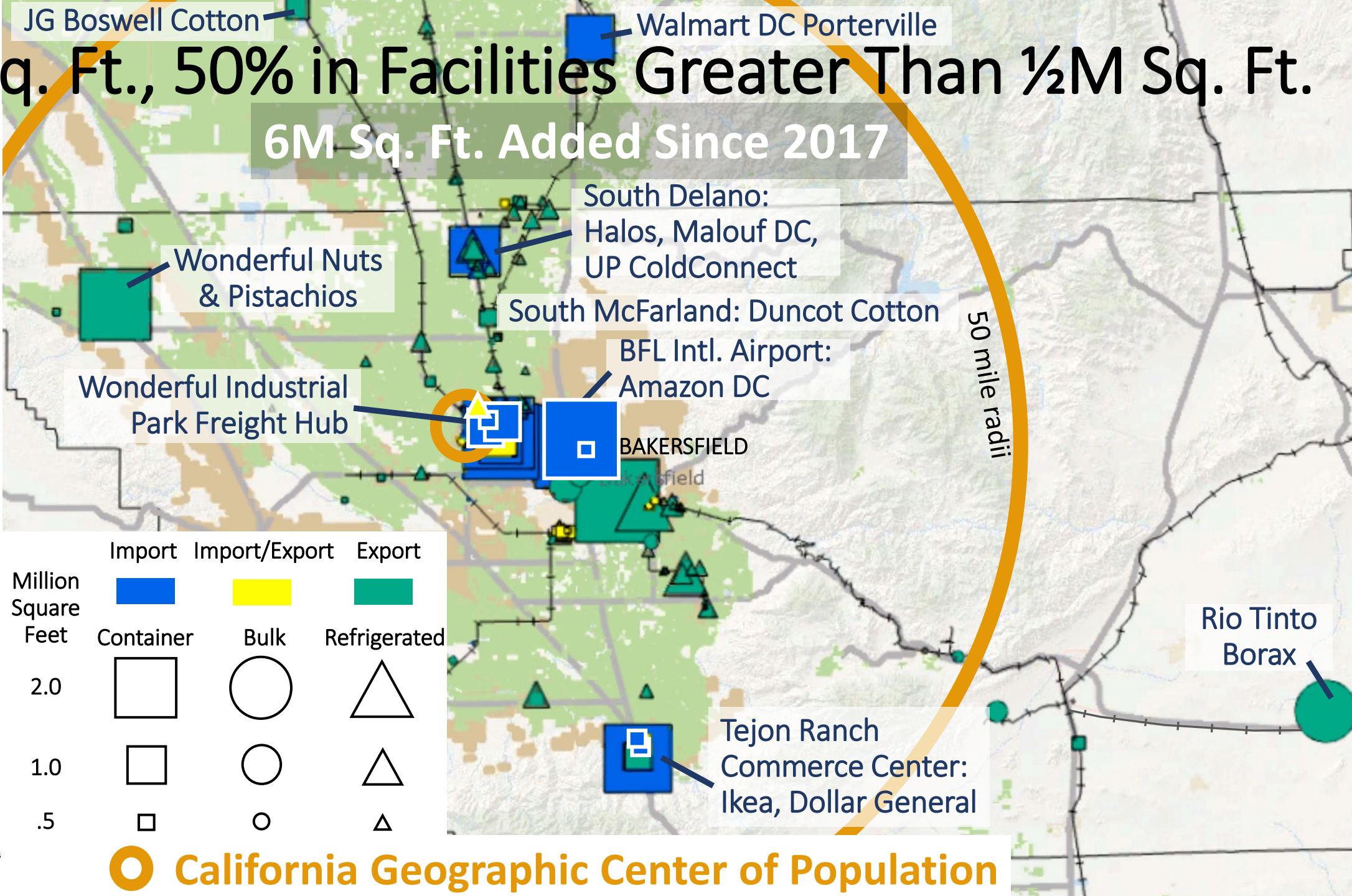
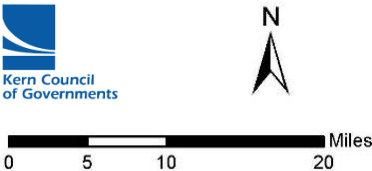
52M Sq. Ft., 50% in Facilities Greater Than ½M Sq. Ft.

Symbol sizes are proportional to the square footage at that major, large & medium facilities.

Green = Exporter
Blue = Importer
Yellow = Both

Square footage data is for distribution centers, warehouses, processing, mining and energy facilities using Google Earth 2019.

Green areas are predominantly agriculture. Tan areas are predominantly oil production.

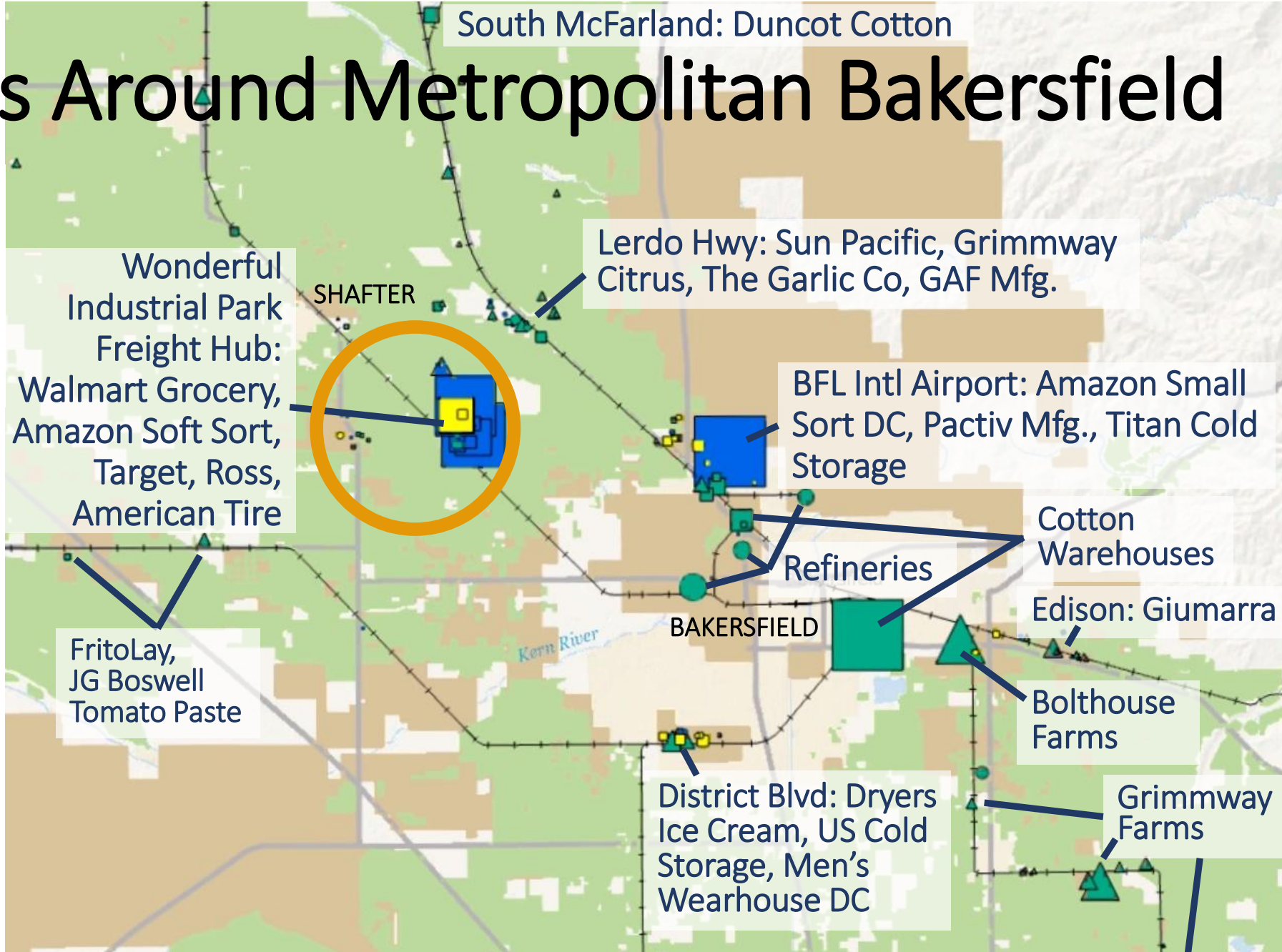
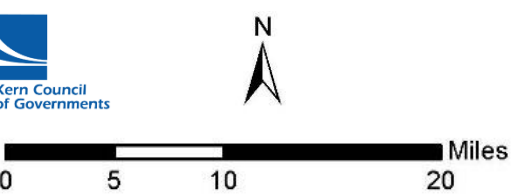
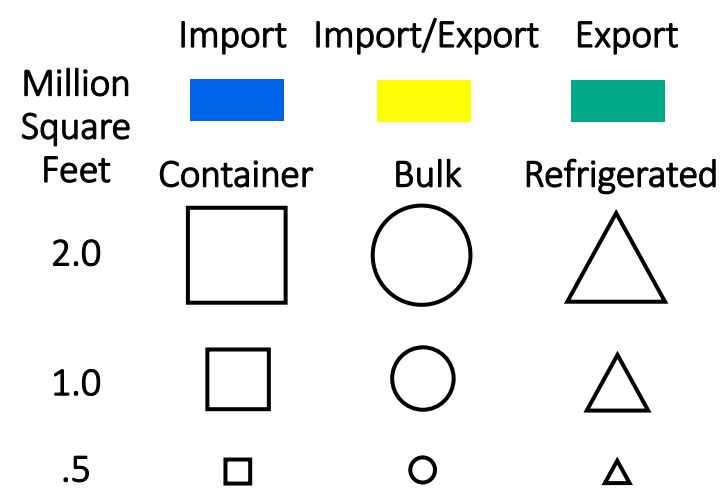


Major Facilities Around Metropolitan Bakersfield

Symbol sizes are proportional to the square footage at that facility.

Square footage data is for distribution centers, warehouses, processing, mining and energy facilities using Google Earth 2019.

Green areas are predominantly agriculture. Tan areas are predominantly oil production.



Automated Warehousing/Manufacturing Jobs - High Tech/Good Pay & Benefits

One of 3 New Automated Perishable Grocery Distribution Centers in the U.S.



West U.S. Largest Perishable Grocery DC
Shafter, CA/BNSF – 5-story, .6M Sq. Ft.

Tall vertical automated rack system in a 100' tall building will be able to pick products 40% faster than a conventional forklift accessed rack system

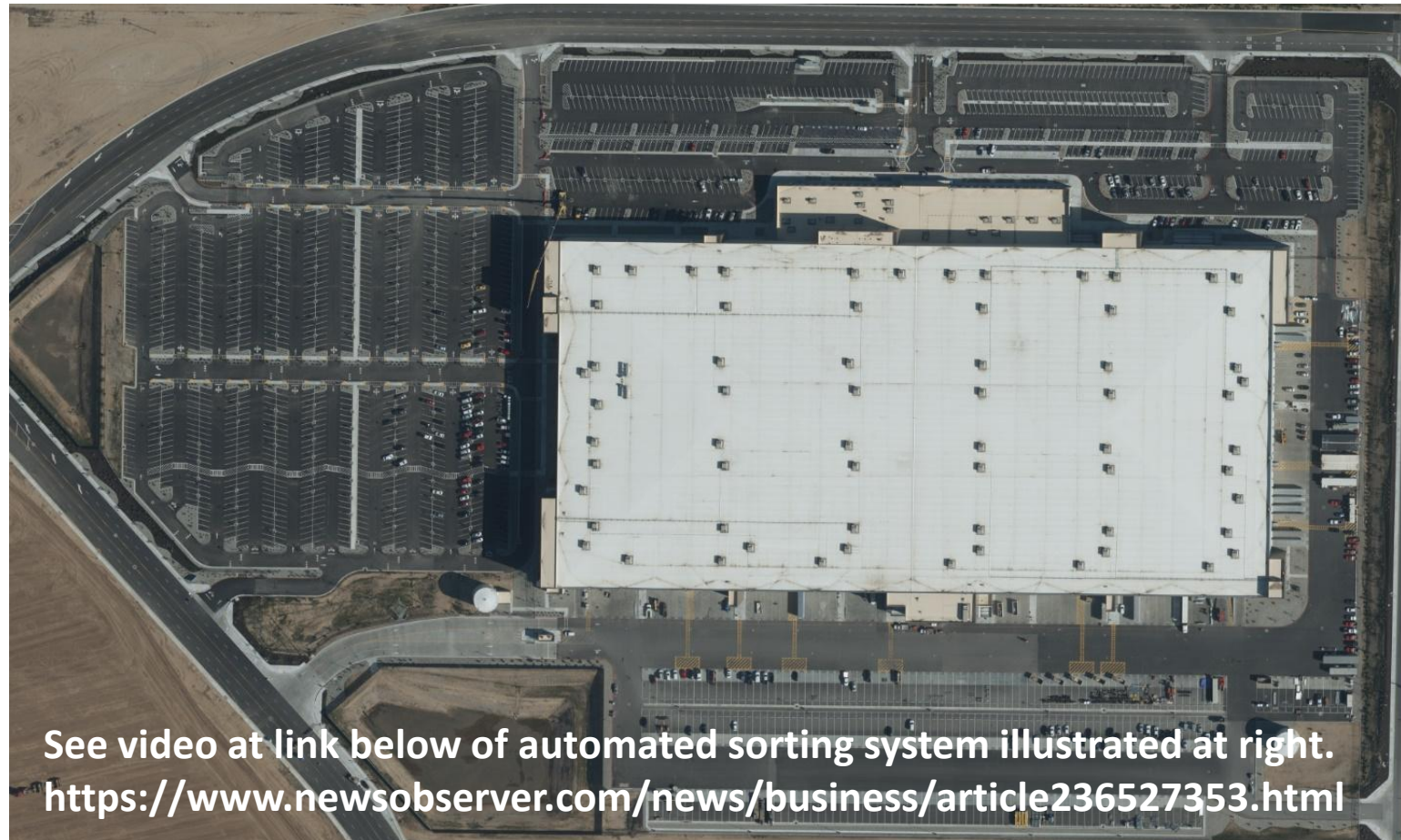


See video link of automated rack system <https://youtu.be/cUHj2qff1Ds>

Inside New Amazon DC - BFL Airport



One of four, Multi-story Distribution Centers Outside Major U.S. Urban Areas



See video at link below of automated sorting system illustrated at right.
<https://www.newsobserver.com/news/business/article236527353.html>



Testing of robot sorting system in sister facility near Raleigh, North Carolina.

The 3 Newest Walmart Automated Perishable Grocery DCs





Thank you!
kerncog.org

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rball@kerncog.org

