

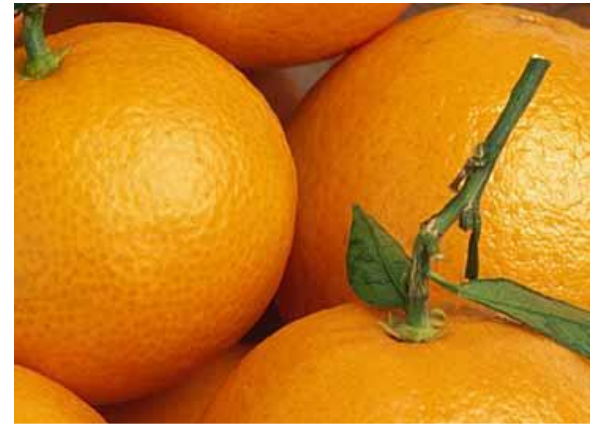
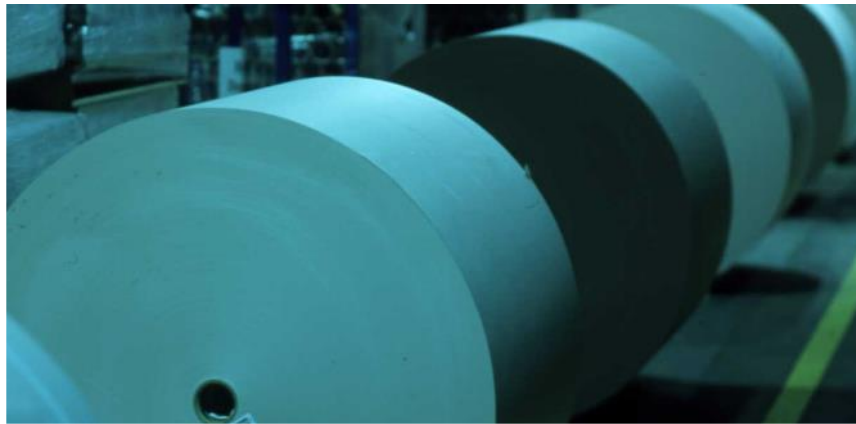
# Powering New Mexico's Economy

Raquel Espinoza, Senior Director - Public Affairs

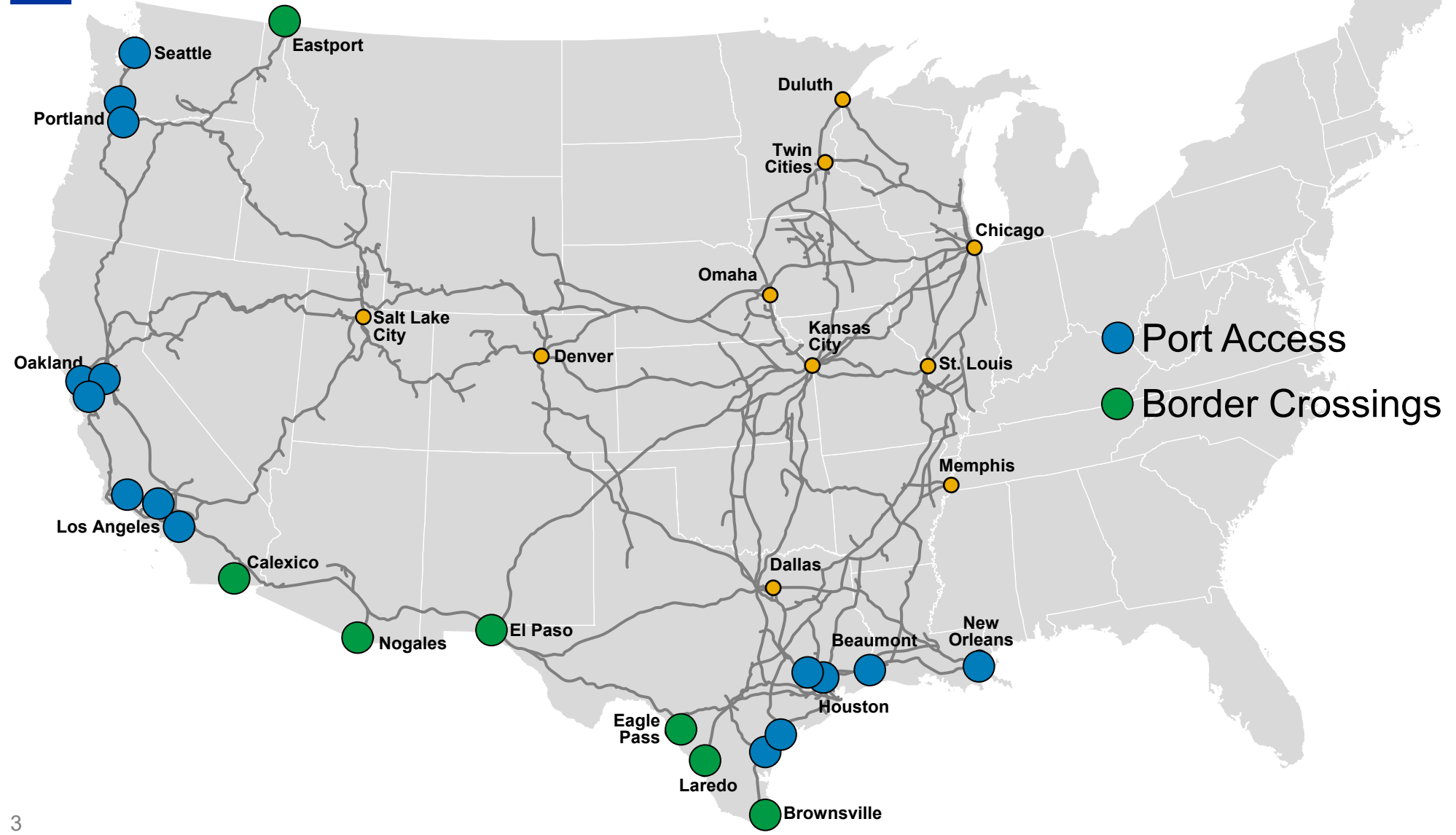




# Union Pacific Hauls . . .



# Union Pacific Railroad



# Union Pacific in New Mexico



2024 FAST FACTS	
Miles of Track	618
Annual Payroll	\$55 million
In-State Purchase	\$1.4 million
Capital Investment	\$32 million

## RAIL CARS IN NEW MEXICO

Year	Originated	Terminated
2020	60,162	58,458
2021	40,799	39,299
2022	40,389	35,260
2023	40,751	43,793
2024	40,537	47,697

## TOP FIVE COMMODITIES IN 2024\*

Shipped	Received
1. Intermodal-Wholesale	1. Intermodal-Wholesale
2. Auto Parts	2. Auto Parts
3. Coal	3. Assembled Autos
4. Metallic Minerals	4. Petroleum Products
5. Renewables	5. Steel

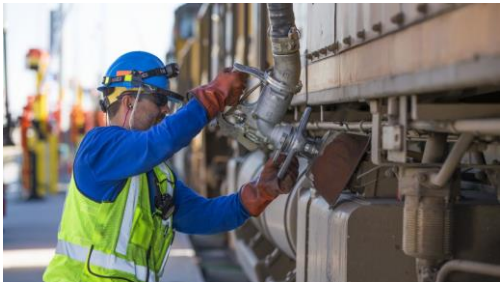
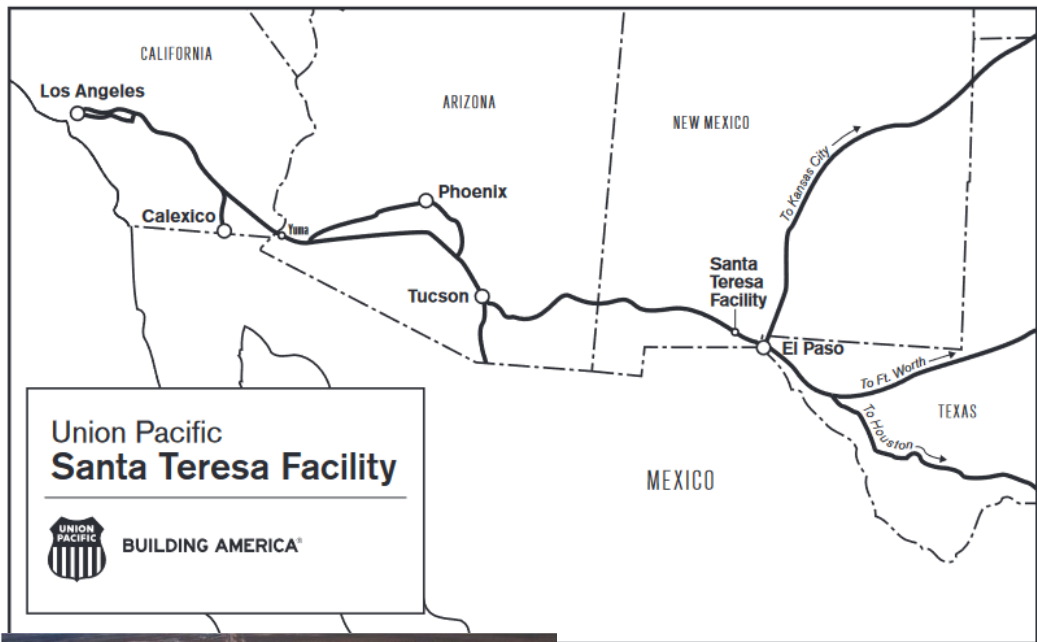
\* By volume





# Bienvenidos a Santa Teresa

- East - West Intermodal Trains
  - Refuel and recrew trains between stops
- Locomotive Fuel Tax Deduction granted in 2013
  - El Paso refueling and recrew facility closed
  - \$400 million Santa Teresa Intermodal Terminal opened in 2014





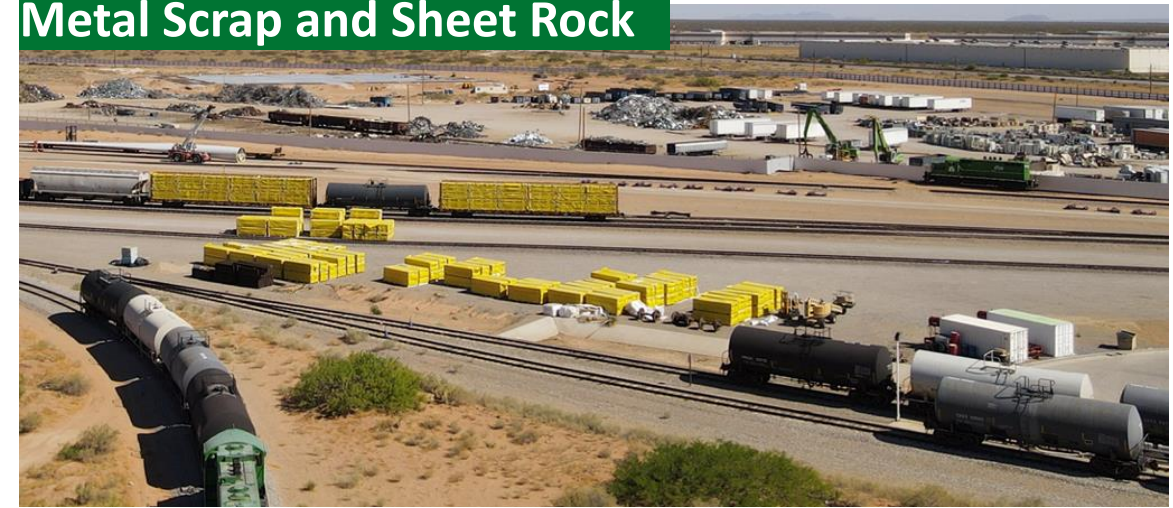
# SANTA TERESA SOUTHERN RAILROAD



## New Mexico's Premiere Shortline

- Union Pacific Network Connection
- Transloading operations diversify Southern New Mexico's economy
- Railroad partnership attracts new business to Santa Teresa

## Metal Scrap and Sheet Rock



## Wind Turbine Blades



## Food Grade Sweetener





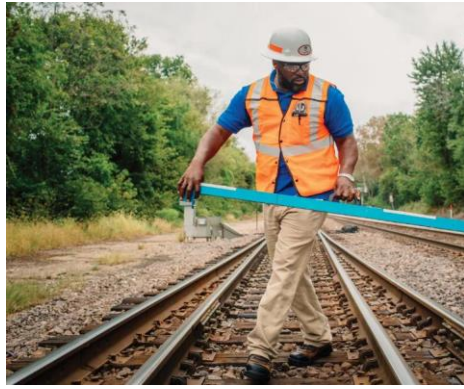
# The Power Behind Santa Teresa's Success





# Next-Level Rail Safety Through Technology

- Certified track inspectors examine track conditions daily
- High-tech inspection vehicles identify issues before accidents occur
- Positive Train Control and other rail-developed technologies improve safety



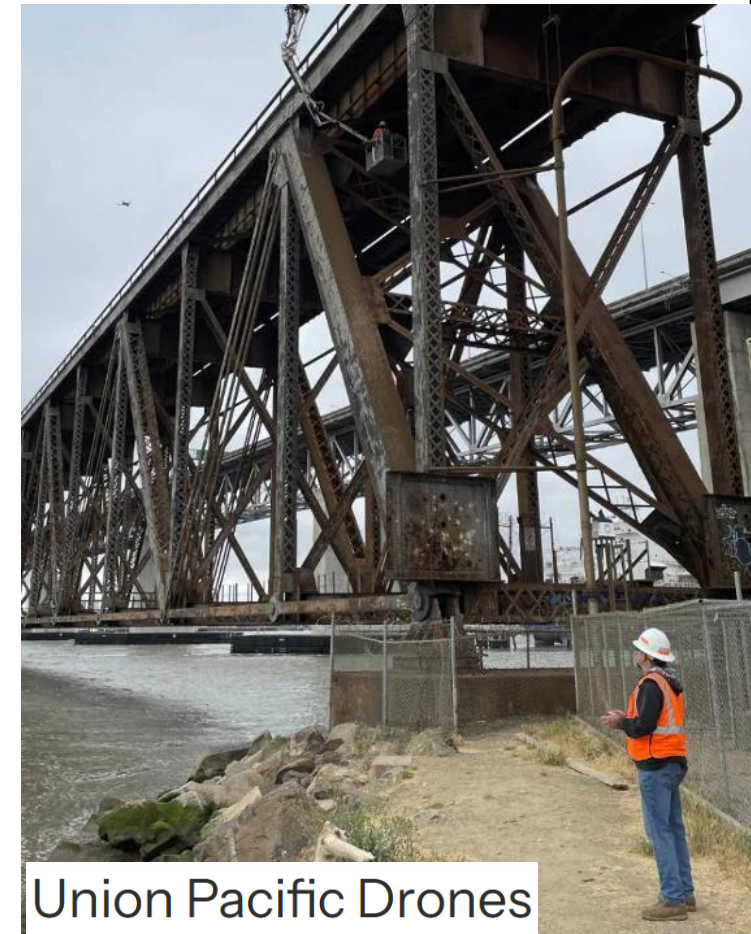
Machine Vision Track Inspection



Rail Test Truck



EC-5 Geometry Car



Union Pacific Drones



# Keeping Communities Safe

More than 7,000 wayside detection devices monitor the condition of freight cars and locomotives in real time.



## Hot Box Detectors

measure bearing temperatures.



## Wheel Temperature Detectors

measure the temperature of the wheel plate.



## Acoustic Bearing Detectors

record bearing sound signatures.



## Wheel Impact Detectors

measure force exerted by an out-of-round wheel.



## Wheel Profile Detectors

measure wheel shapes with lasers to determine wear.



## Machine Vision Systems

analyze captured images to identify defects.



Wayside detectors generate more than 16M data points that send immediate alerts, allowing Union Pacific to:

STOP TRAIN IMMEDIATELY

REPAIR AT NEXT PLANNED MAINTENANCE VISIT

REPAIR AT NEXT LOCATION



# HAZMAT Safety – Prevention and Preparedness

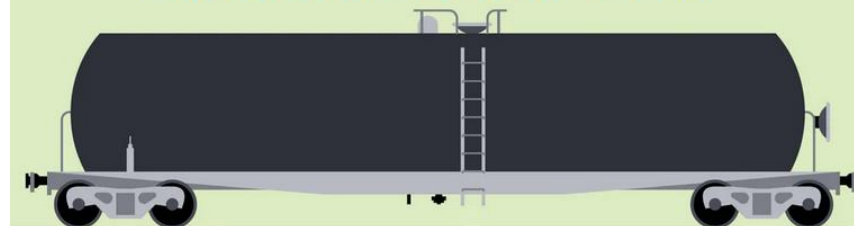


## Emergency Responder Partnerships

- Free hands-on HAZMAT training
- AskRail app and 24/7 access to emergency response operators
- Training sessions hosted in Demming, Lordsburg and El Paso
- **Emergency Response Center  
1-888-877-7267**



**99.99% OF THE HAZMAT SHIPMENTS MOVED BY U.S. FREIGHT RAILROADS ARRIVE SAFELY.**





# Blocked Crossings



It's possible to have a strong industrial economy **AND** mobility across rail lines.





# Prioritizing Public Infrastructure Investments

## Feds award \$37.1 million for Santa Teresa railroad crossing project

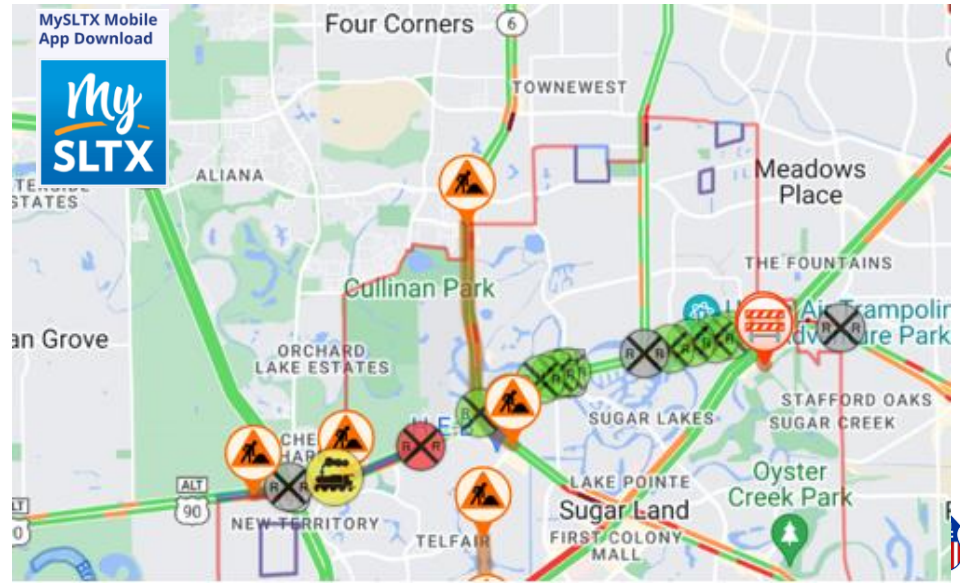
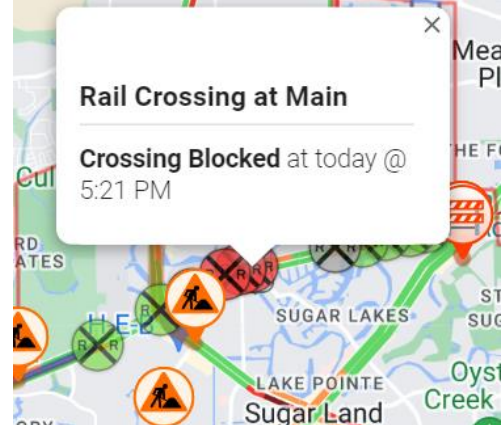
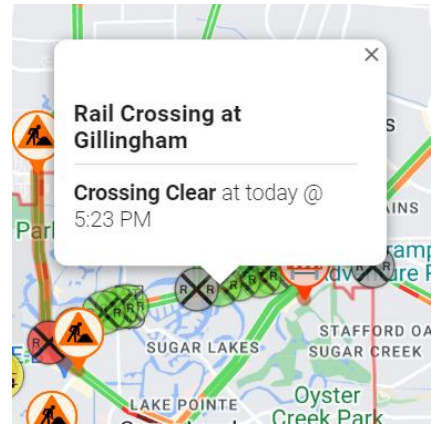


## Blocked Crossing Solutions

- Public infrastructure funding for grade separations
  - Close redundant crossings
- Leverage technology
- Rail safety education is key



## Texas puts \$250M in a grant program to fund railroad grade separation projects





# Yellow on the Outside

## Green Inside



- One train takes several hundred trucks off congested highways
- Rail is three to four times more fuel efficient than trucks



- Union Pacific can move one ton of freight nearly 500 miles on one gallon of diesel



# Thank You

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