



**CALIFORNIA**  
High-Speed Rail Authority

# California High-Speed Rail Construction Update

Garth Fernandez, Central Valley Regional Director

Ben Ruiz, Director of Infrastructure Delivery

# 119 Miles in Construction

## Construction Package 1

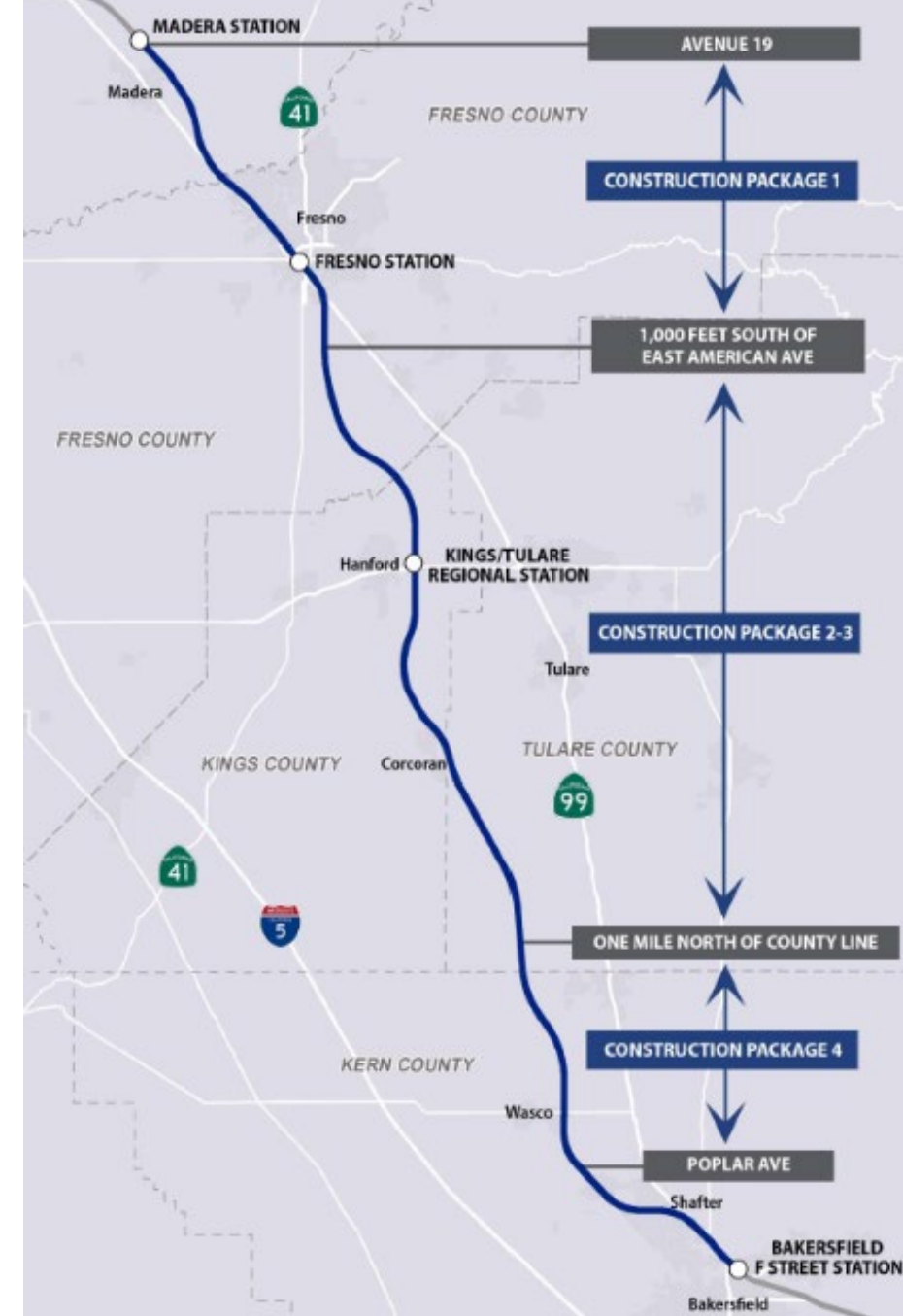
- Avenue 19 in Madera County to just south of American Avenue in Fresno County (32 miles)
- Tutor-Perini/Zachary-Parsons (TPZP)

## Construction Package 2-3

- South of Fresno to one-mile north of the Tulare/Kern County line (65 miles)
- Dragados-Flatiron JV (DFJV)

## Construction Package 4 (Substantially Complete)

- From one mile north of the Tulare/Kern County Line to Poplar Avenue (22 miles)
- California Rail Builders (CRB)





# Major Scope Elements



100+ Structures



1,800+ Utility Relocations



200+ Wildlife Crossings/Culvert Boxes



2 ½ Miles of Freeway Realignment



# Major Scope Elements



**4+ Miles of Railroad Realignment**



**24 Million CY of Earthwork (Guideway)**



**25 miles of Intrusion Protection Barrier**



**2,289 Right of Way Parcels**



# Construction Goals for 2025

## Structures:

All structures will be in construction

- CP 1 - Complete 6 structures (24/33)
- CP 2-3 - Complete 11 structures (34/49)

## Major Viaducts:

- CP 2-3 – Substantially complete 5 viaducts

## Guideway:

- 114 of 119 miles in construction or completed

## Public Safety Enhancements:

- CP 1 - 6 new grade separations will open to traffic
- CP 2-3 - 3 new grade separations will open to traffic



Belmont Avenue Grade Separation

# Construction Goals for 2025

## Schedule:

- Civil Infrastructure for the 119 miles will complete by December 2026

## Right of Way (ROW):

- Deliver all ROW parcels for the 119-mile segment (17 remaining of 2,289)

## Utility Relocations:

- 175 utility facilities will be relocated (299 remaining of 1,836)
  - CP 1 – 100 relocations
  - CP 2-3 – 75 relocations



Church Avenue Grade Separation





# Construction Package 1





# Construction Package 1

Avenue 17 Grade Separation in Madera County



- Construction Package 1 (CP 1) is the first construction contract executed on the Initial Operating Section
- Extends 32-miles between Avenue 19 in Madera County to East American Avenue in Fresno County
- Includes 19 grade separations, three viaducts (a major river crossing over the San Joaquin River) and two trenches
- **Substantial Completion in 2026**

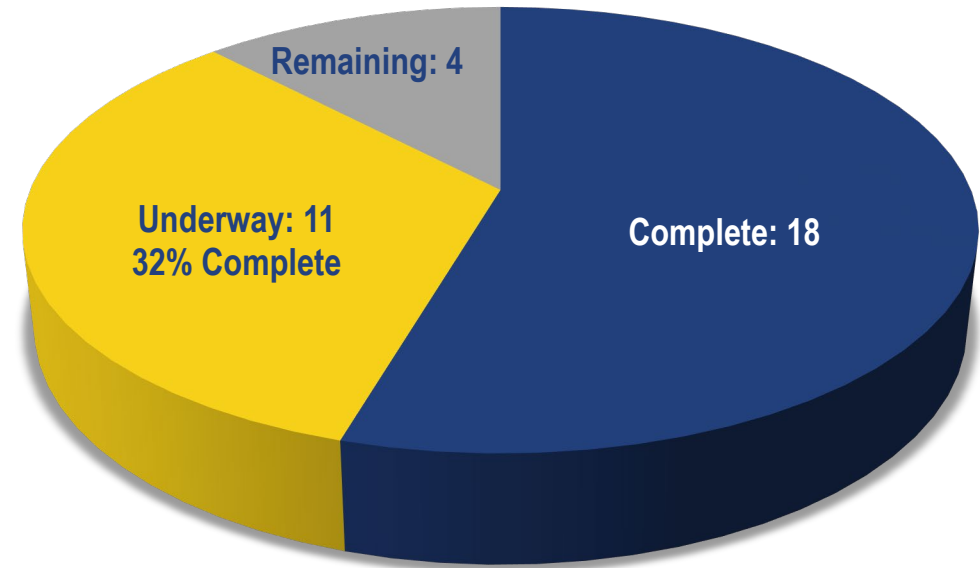


# Construction Package 1

- **Number of Structures in Progress**

- » Total Structures: 33

- 15 remaining structures to be completed



Structure Name - 2025	Completion
Central Avenue Overhead	Q2 2025
Belmont Avenue Overhead	Q2 2025
Ave 17 Overhead	Q3 2025
Tulare Street Underpass	Q3 2025
Cesar Chavez Blvd (Ventura Street) Underpass	Q4 2025
Road 26 Overhead	Q4 2025

Structure Name - 2026	Completion
Church Avenue Overhead	Q1 2026
McKinley Avenue Overhead	Q1 2026
Fresno Street Underpass*	Q2 2026
Olive Avenue Overhead	Q2 2026
Fresno Trench	Q4 2026
Jensen Trench*	Q4 2026
Herndon HST*	Q4 2026
Herndon UPRR*	Q4 2026
Shaw Avenue Overhead	Q4 2026

Structure completion is defined as all concrete work complete

Data Date: 12/31/2024

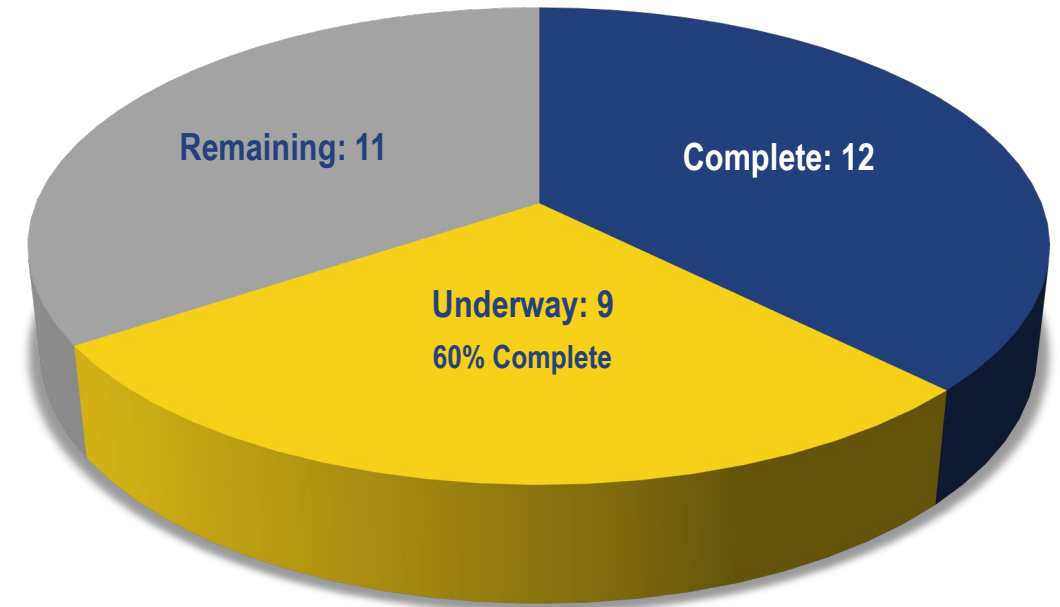
# Construction Package 1

- **Miles of Guideway in Progress**

- » Total Guideway Miles: 32

- Guideway is the riding surface that will support and physically guide the high-speed train

Remaining Locations not started	Miles	Planned Start
Road 26 to Ave 17	2.5	Q2 2025
San Joaquin River Viaduct to Ashlan Ave	4.5	Q2 2026
Clinton Ave Connector to Fresno Trench	1	Q3 2025
Fresno Street to SR 41	2	Q4 2025
Church & Jensen Trench	1	Q4 2025



Guideway completion is defined as earthworks complete with rough grading.

Data Date: 12/31/2024



# Construction Package 1

## Primary Risks

1. Delays with timely submittal approvals to Union Pacific Railroad (UPRR) (i.e., crossing applications /work plans/design packages).
2. Delays to start of Herndon construction due to outstanding design approvals for UPRR and City of Fresno.

## Risk Mitigations Underway

1. Continuous improvement of submittal quality and executive engagement, including new Statewide Regional Director, with UPRR to enhance relationships, outline project priorities, and completion schedule.
2. Focused meetings with the Authority, TPZP, UPRR and the City of Fresno to facilitate comment resolution to secure design approval.



# Construction Package 2-3





# Construction Package 2-3

Conejo Viaduct in Fresno County

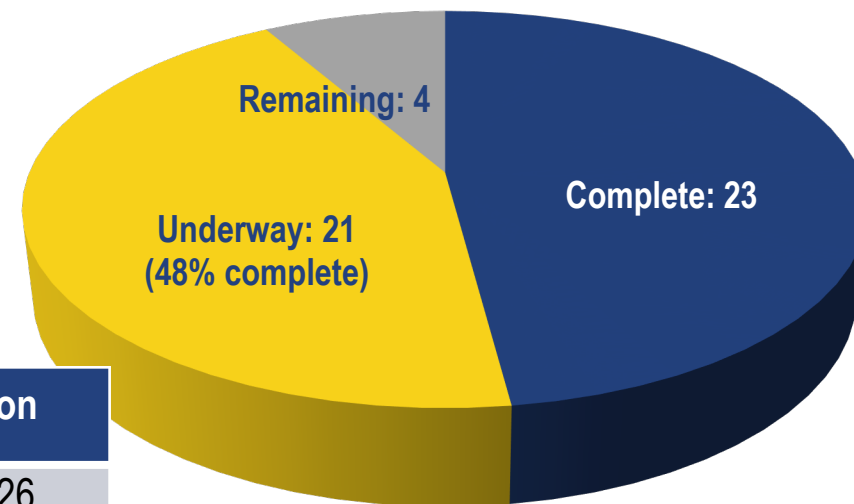


- Construction Package 2-3 is the second significant construction contract executed on the Initial Operating Section
- Extends 65 miles from the terminus of Construction Package 1 at East American Avenue in Fresno to one mile north of the Tulare-Kern County line
- Includes viaducts, underpasses and overhead structures
- **Substantial completion in 2026**

# Construction Package 2-3

## • Number of Structures in Progress

- » Total Structures: 48
  - 25 Remaining structures to be completed



Structure Name – 2025	Completion
Conejo Avenue	Q3 2025
Tied Arch (SR-43)	Q3 2025
Kings River Structure	Q2 2025
Hanford Viaduct	Q4 2025
Hanford Armona	Q4 2025
Lansing Avenue	Q3 2025
Cross Creek	Q2 2025
Avenue 156	Q3 2025
Tule River Viaduct	Q4 2025
Avenue 136	Q3 2025
Deer Creek Viaduct	Q4 2025

Structure Name – 2026	Completion
Manning Avenue	Q1 2026
Access Road	Q1 2026
Dutch John Cut	Q1 2026
Jersey/SR43	Q1 2026
Lakeland Bridge	Q1 2026
Stoil Spur	Q1 2026
Alpaugh Bridge	Q1 2026
SR43 Curved Bridge	Q2 2026
Cole Slough	Q2 2026
Corcoran Highway	Q3 2026
Avenue 120	Q3 2026
Nebraska Avenue	Q4 2026
Grangeville Boulevard	Q4 2026
Houston Avenue	Q4 2026

Data Date: 12/31/2024

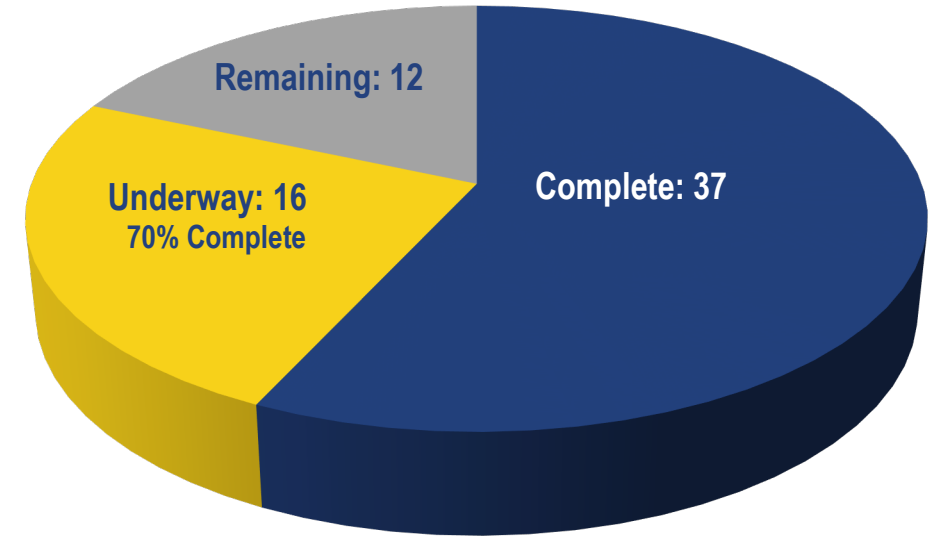


# Construction Package 2-3

- **Miles of Guideway in Progress**

- » Total Guideway Miles: 65

- Guideway is the riding surface that will support and physically guide the high-speed train



Remaining Locations Not Started	Miles	Planned Start
Nebraska Ave to Mt. View	1	Q4 2025
Davis Ave to Dutch John Cut	1	Q2 2025
Lansing to Corcoran Hwy	5	Q2 2025
SR 43 Tule River to Stoil Spur	5	Q3 2025

Data Date: 12/31/2024

# Construction Package 2-3

## Primary Risks

1. Further delays in reaching an agreement with DFJV on a Revised Baseline Schedule

## Risk Mitigations Underway

1. Continue conducting partnering meetings and focus schedule workshops with DFJV to identify, manage, and agree on a Revised Baseline Schedule



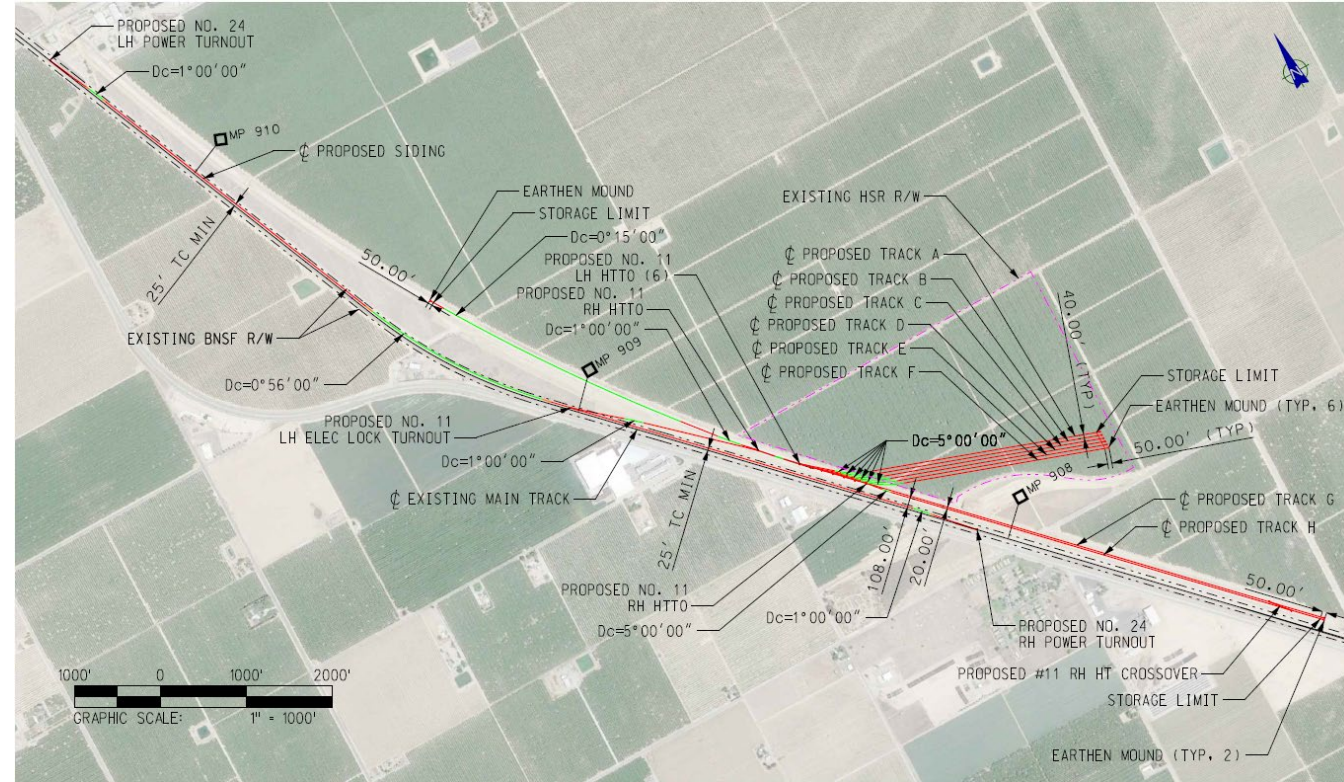


# Railhead Construction



# Southern Valley Railhead

- Railhead design completed in July 2024
- BNSF selected Ragnar Benson Construction, LLC as the civil contractor
- Preconstruction biological surveys conducted in December 2024
- Construction started in January 2025
- Railhead track installation by BNSF completion scheduled for Fall 2025





# Questions?



## Headquarters

California High-Speed Rail Authority

770 L Street, Suite 800

Sacramento, CA 95814

[www.hsr.ca.gov](http://www.hsr.ca.gov)