



CALIFORNIA
High-Speed Rail Authority

California High-Speed Rail: Project Update

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Central Valley Update

Where We Are & Where We Are Going

Construction Management in 2024

- Completing project definition
 - » Executing major change orders to capture full project scope
 - Status Update: All major commercial issues identified in 2023 have been resolved**
- Completing right-of-way (ROW) acquisitions
 - » Improved ROW planning and management to exceed delivery forecasts
 - Status Update: 99% of parcels delivered to the Design-Builder**
- Advancing third-party utility relocation
 - » Increased executive engagement and focused efforts to resolve issues impacting utility relocations
 - Status Update: Already relocated 219 utilities**
- Updating design and construction activities
 - » Working with Design-Build Contractors to re-sequence work and mitigate schedule impacts
 - Status Update: Continuing towards establishing the Revised Baseline Schedule (RBS) for CP 2-3**



Construction Package 1



Central Valley Update

Construction Package 1


Central Avenue Grade Separation



- 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, 3 viaducts (a major river crossing over the San Joaquin River) and 2 trenches
- **Substantial Completion in 2026**

Central Valley Update

Construction Package 1

CP 1		
	Authority Approved Design Completed	100%
	Right-Of-Way Parcels Delivered to DB	99%
	Utility Relocation Complete/In-Progress	88%
	Structures Complete/In Progress	88%
	Miles of Guideway Complete/In Progress	63%
	Overall Contract	72%

Data Date: 9/30/2024



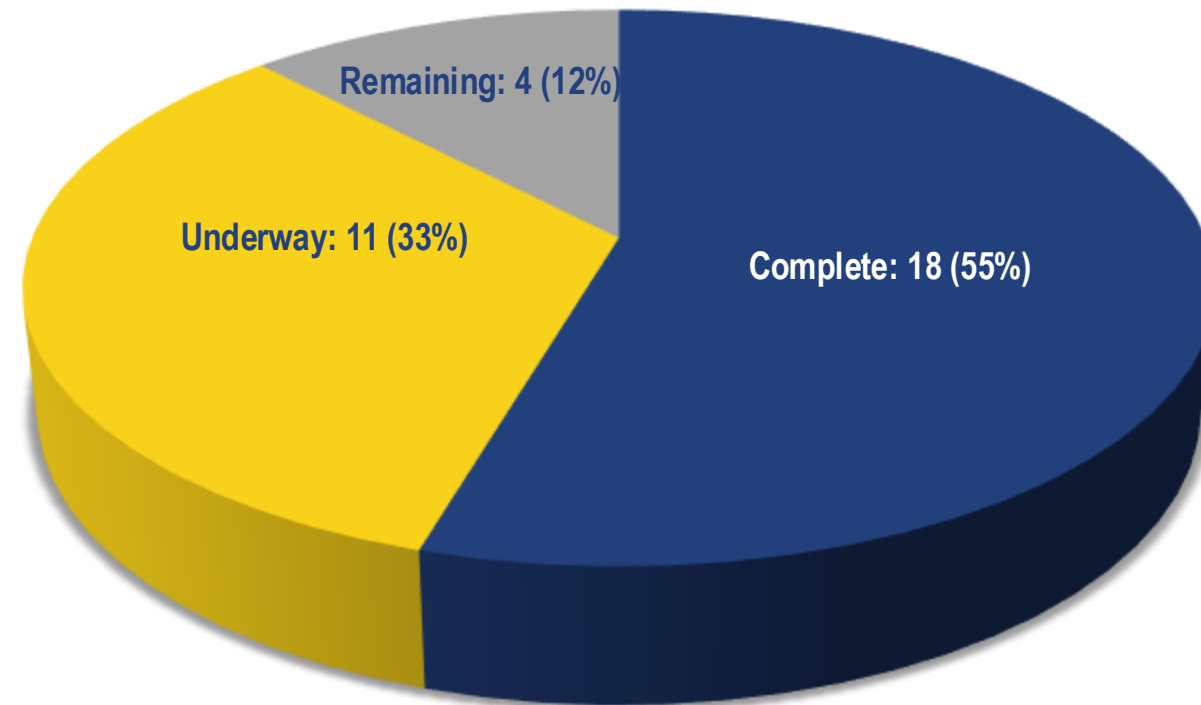
Central Valley Update

Construction Package 1

- **Number of Structures in Progress**

- » Total Structures: 33

- 2 structures (Road 26 and McKinley Avenue) began construction in 2024
- 4 remaining structures will begin in 2025



Structure completion is defined as all concrete work complete
Data Date: 9/30/2024

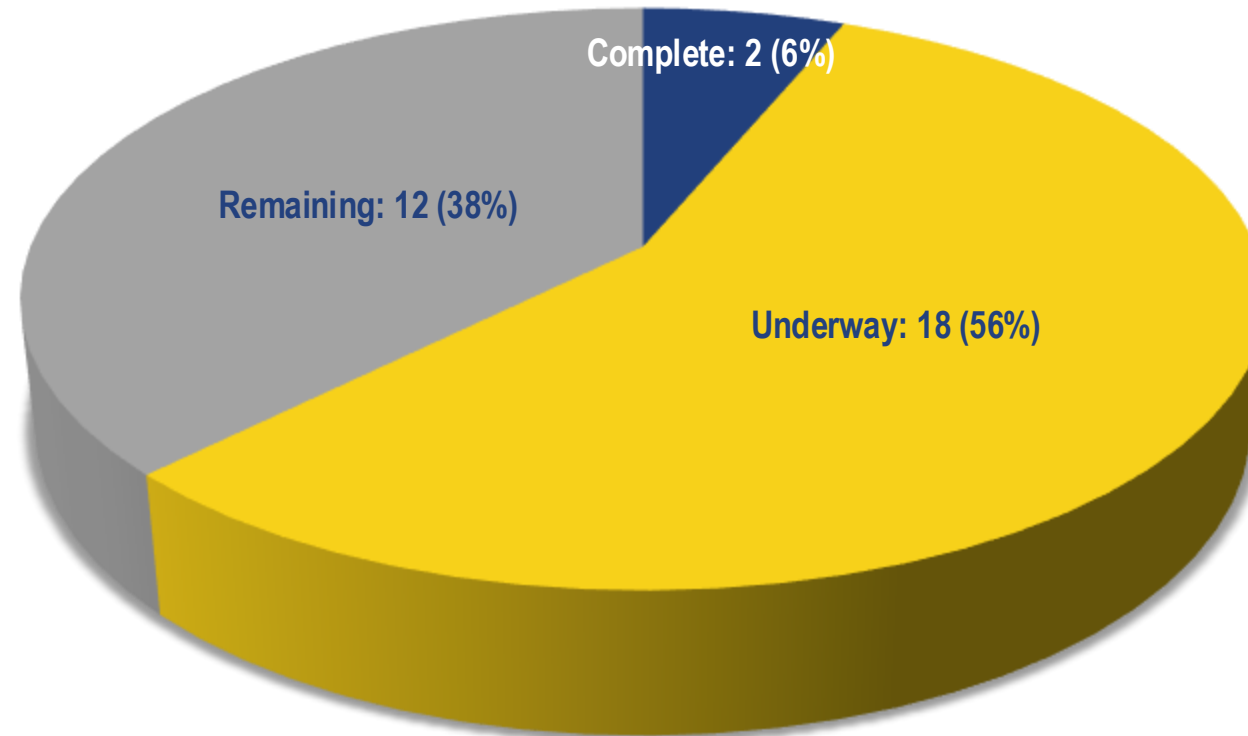
Central Valley Update

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



Guideway completion is defined as earthworks complete with rough grading.

Data Date: 9/30/2024

Central Valley Update

Construction Package 1

Primary Risks

1. Number of submittals (Crossing Applications, Work Plans, Design Packages) to be approved by Union Pacific Railroad (UPRR)
2. Approval of Herndon Design Package by the City of Fresno and UPRR

Risk Mitigations Underway

1. Increased efforts to improve submittal quality to all third parties by adopting an improved Quality Assurance, Inter-Disciplinary Reviews, and Over-the-Shoulder reviews
2. Continue collaborative joint meetings with the Authority, TPZP, UPRR, and the City of Fresno to facilitate comment resolution and expedite design approval
3. Leverage strong partnership with City of Fresno executives to resolve issues quickly



Construction Package 2-3



Central Valley Update

Construction Package 2-3



- 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 overpasses, and 26 grade separations in the counties of Fresno, Tulare, and Kings
- **Substantial completion in 2026**

Central Valley Update

Construction Package 2-3

CP 2-3		
	Authority Approved Design Completed	100%
	Right-Of-Way Parcels Delivered to DB	99%
	Utility Relocation Complete/In-Progress	89%
	Structures Complete/In Progress	90%
	Miles of Guideway Complete/In Progress	80%
	Overall Contract	79%

Data Date: 9/30/2024



Hanford Viaduct

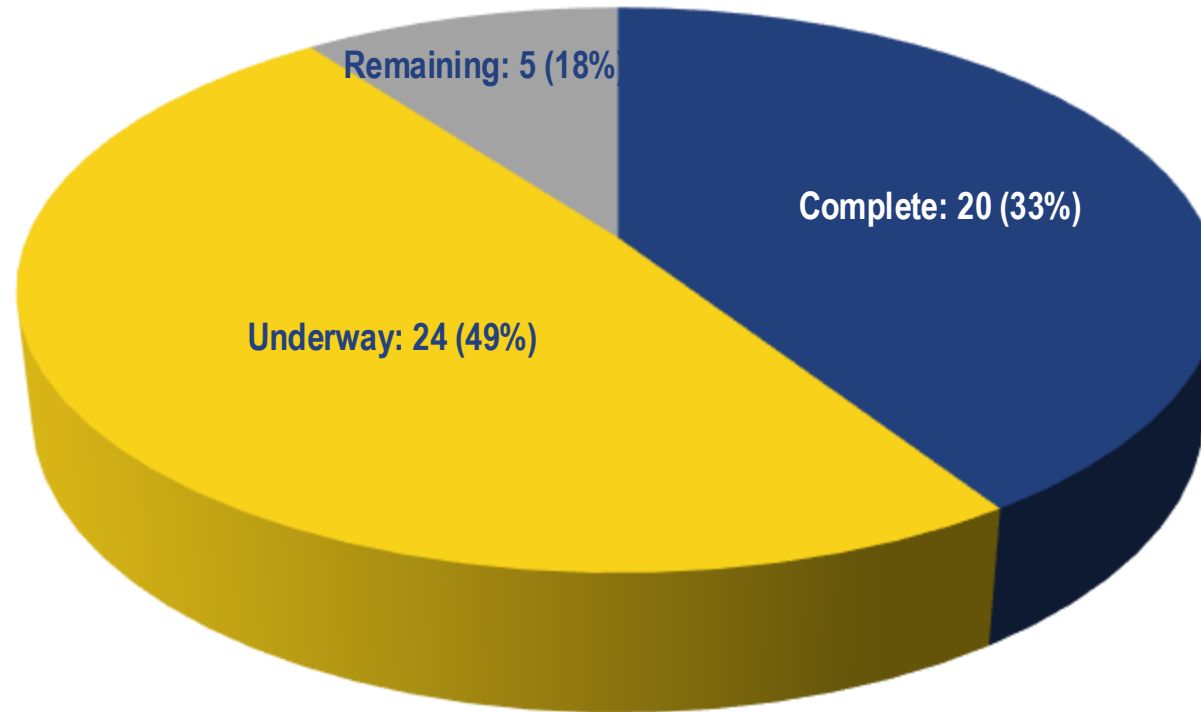
Central Valley Update

Construction Package 2-3

- **Number of Structures in Progress**

- » Total Structures: 49

- 1 additional structure (Alpaugh Bridge) is scheduled to begin construction by the end of 2024



Data Date: 9/30/2024

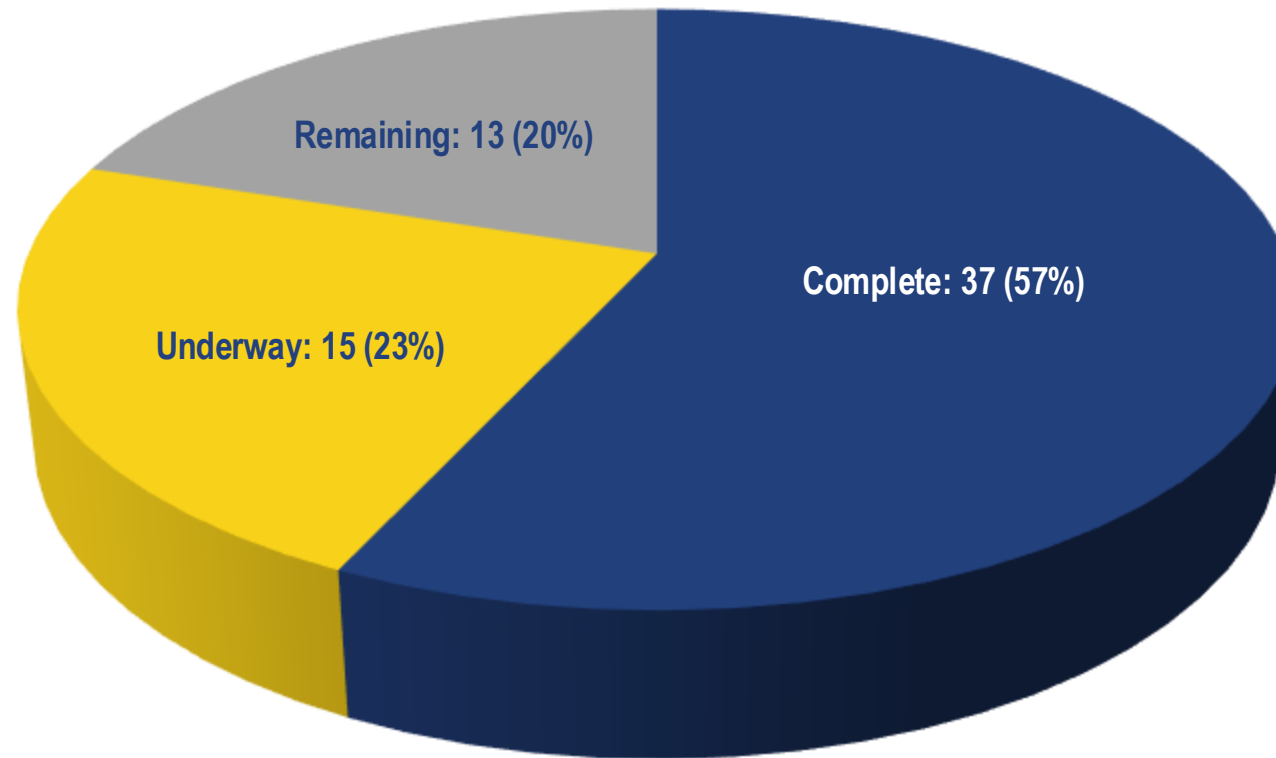
Central Valley Update

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



Data Date: 9/30/2024

Central Valley Update

Construction Package 2-3

Primary Risks

1. Further delays in reaching an agreement with DFJV on a Revised Baseline Schedule
2. Kings County not approving concurrent road closures at Houston Avenue and Hanford Armona

Risk Mitigations Underway

1. Continue conducting monthly partnering meetings with DFJV to identify, manage, and agree on a Revised Baseline Schedule
2. Mitigation measures being discussed to construct a temporary bypass for Hanford Armona

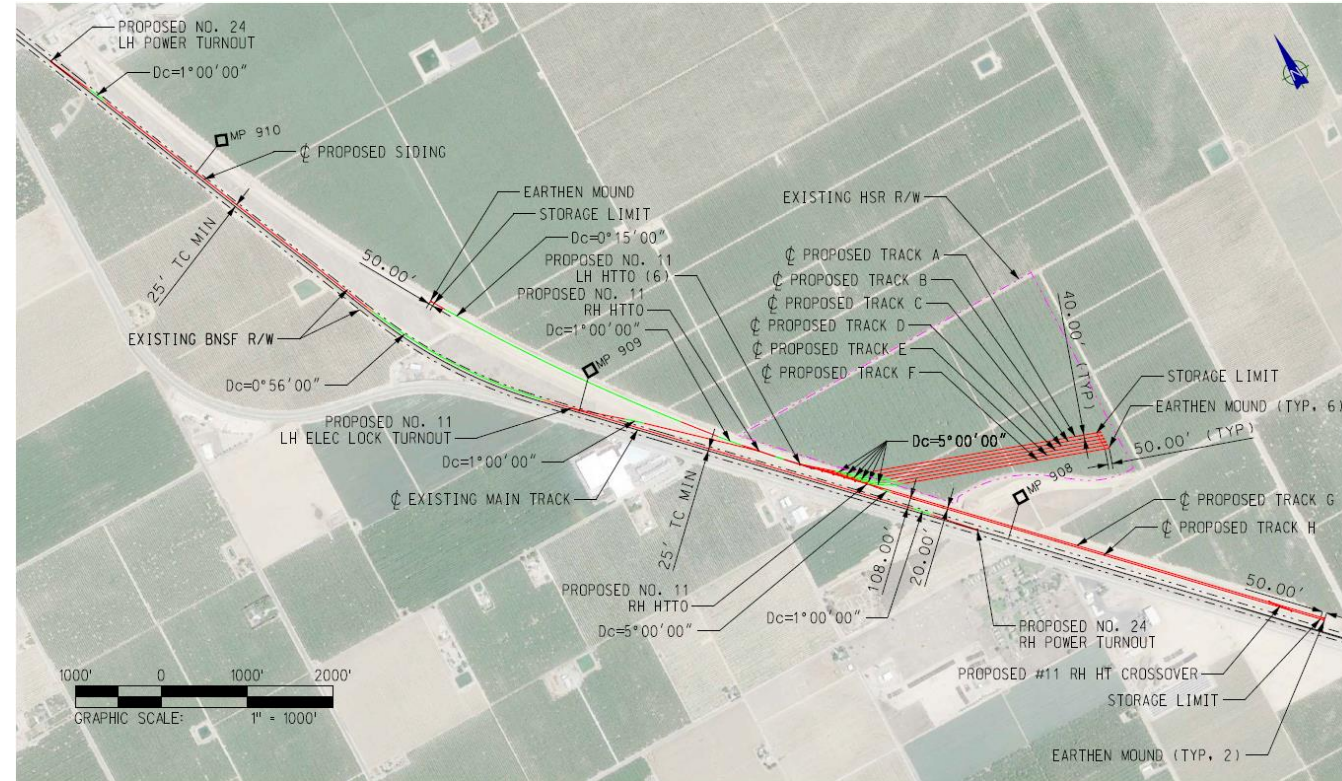


Railhead Construction



CP 4 Railhead

- Railhead design completed in July 2024
- BNSF selected Ragnar Benson Construction, LLC as the civil contractor
- Preconstruction biological surveys conducted in October 2024
- Construction scheduled to begin in November 2024
- Construction completion scheduled for July 2025





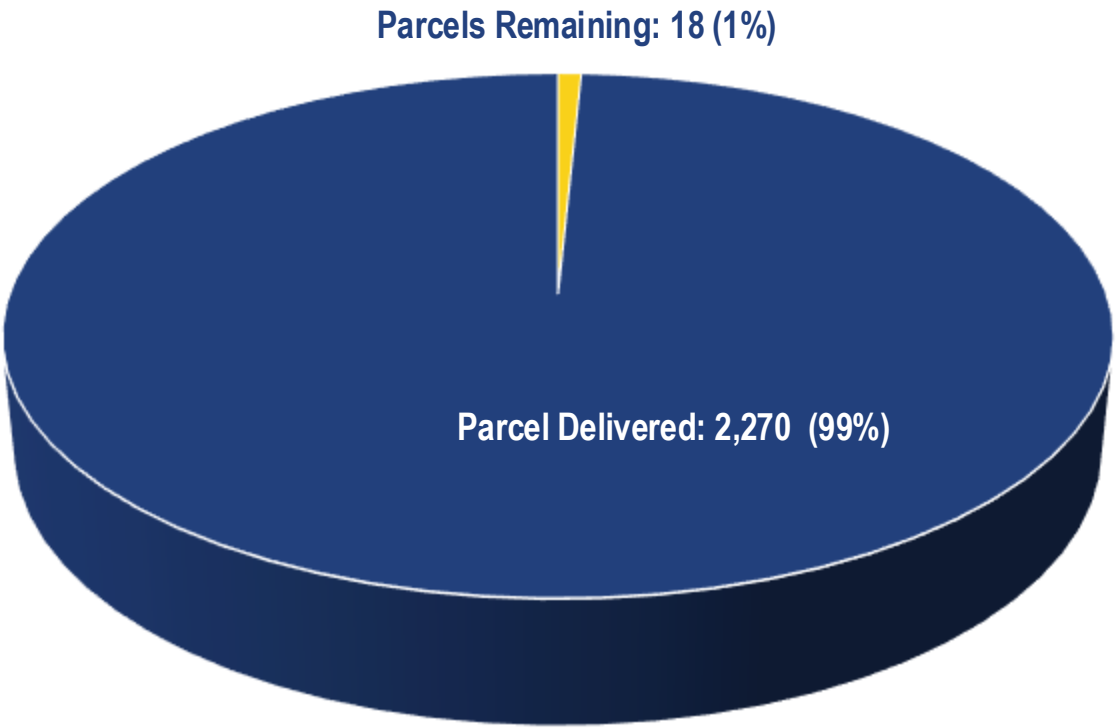
Right-of-Way & Third Party Update



Central Valley Update

Central Valley Right-of-Way

Parcels Required 2,288

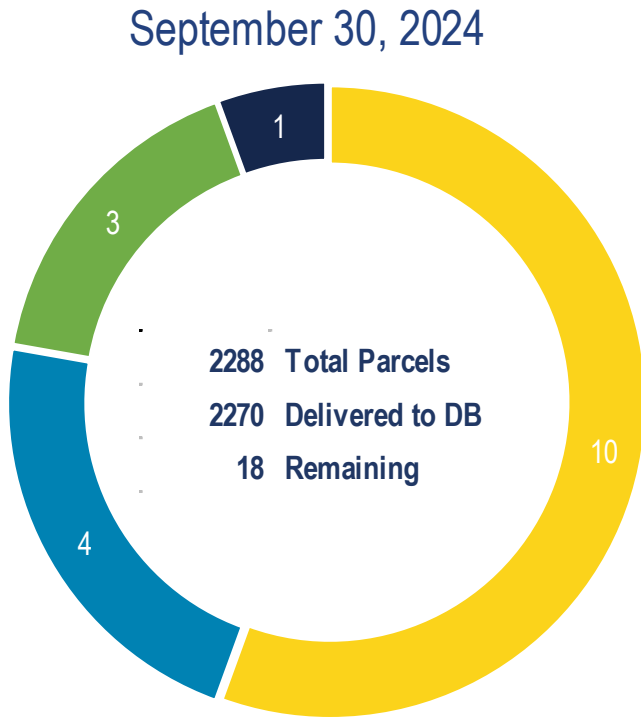
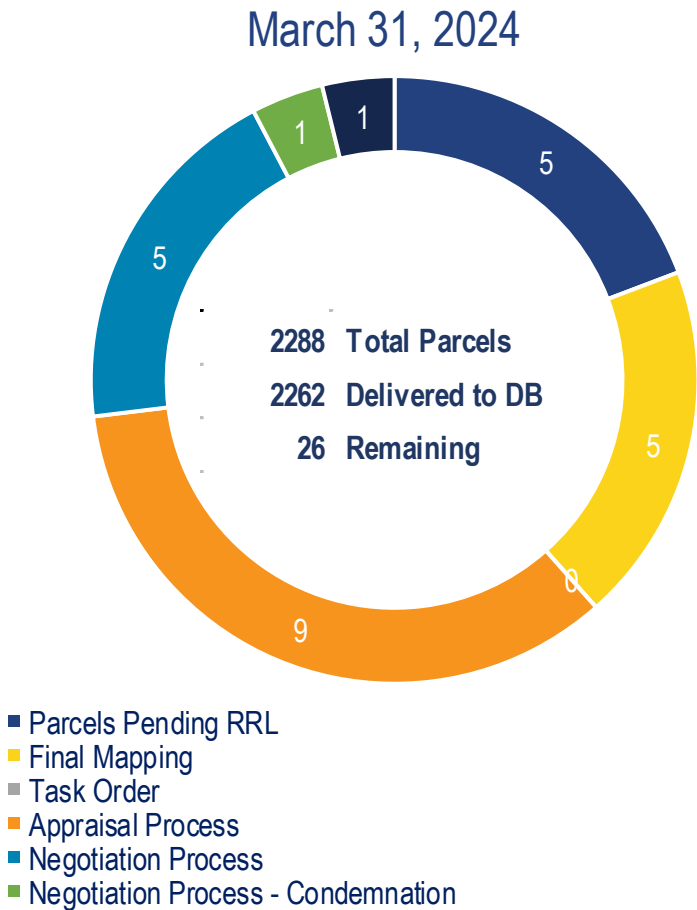


Data Date: 9/30/2024

Central Valley Update

Central Valley Right-of-Way

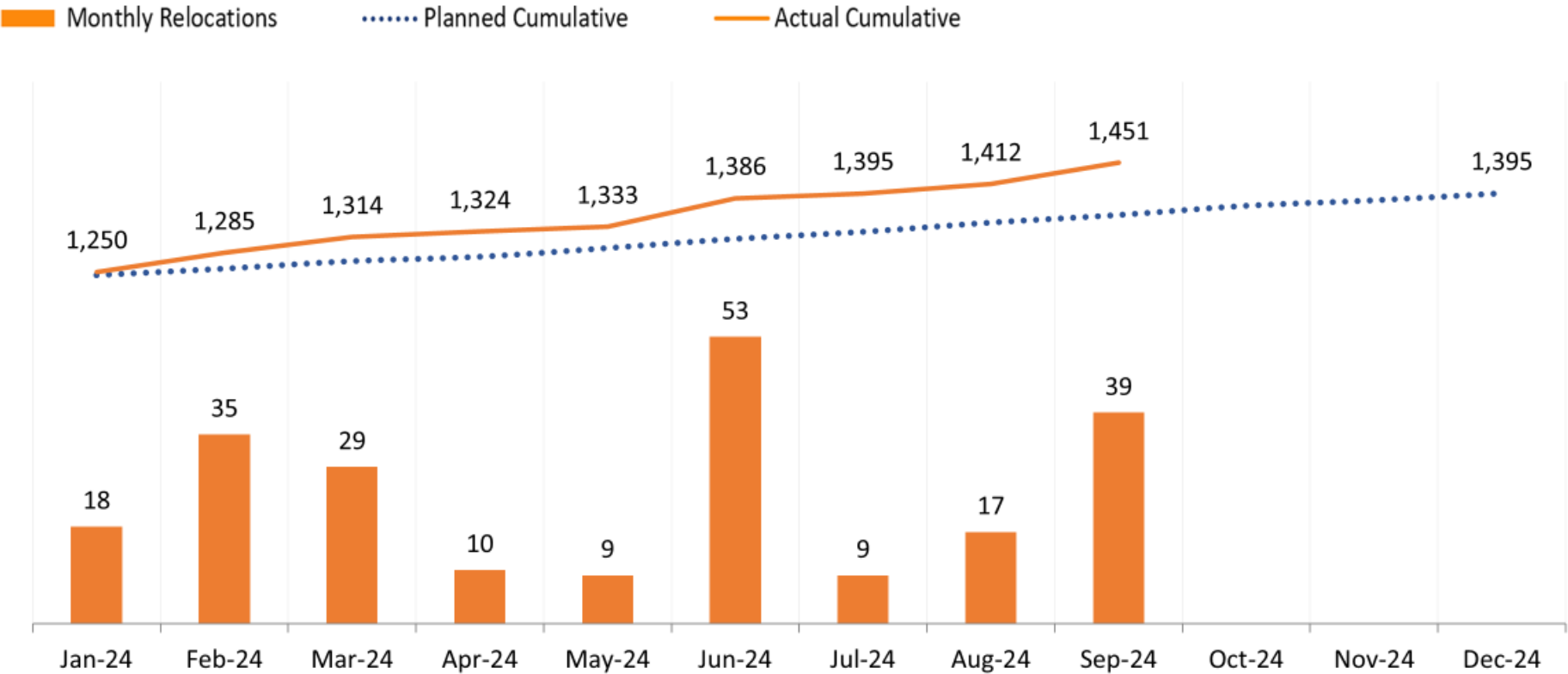
Right of Way Production Graphs



Central Valley Update

Central Valley Third Party Utility Relocation

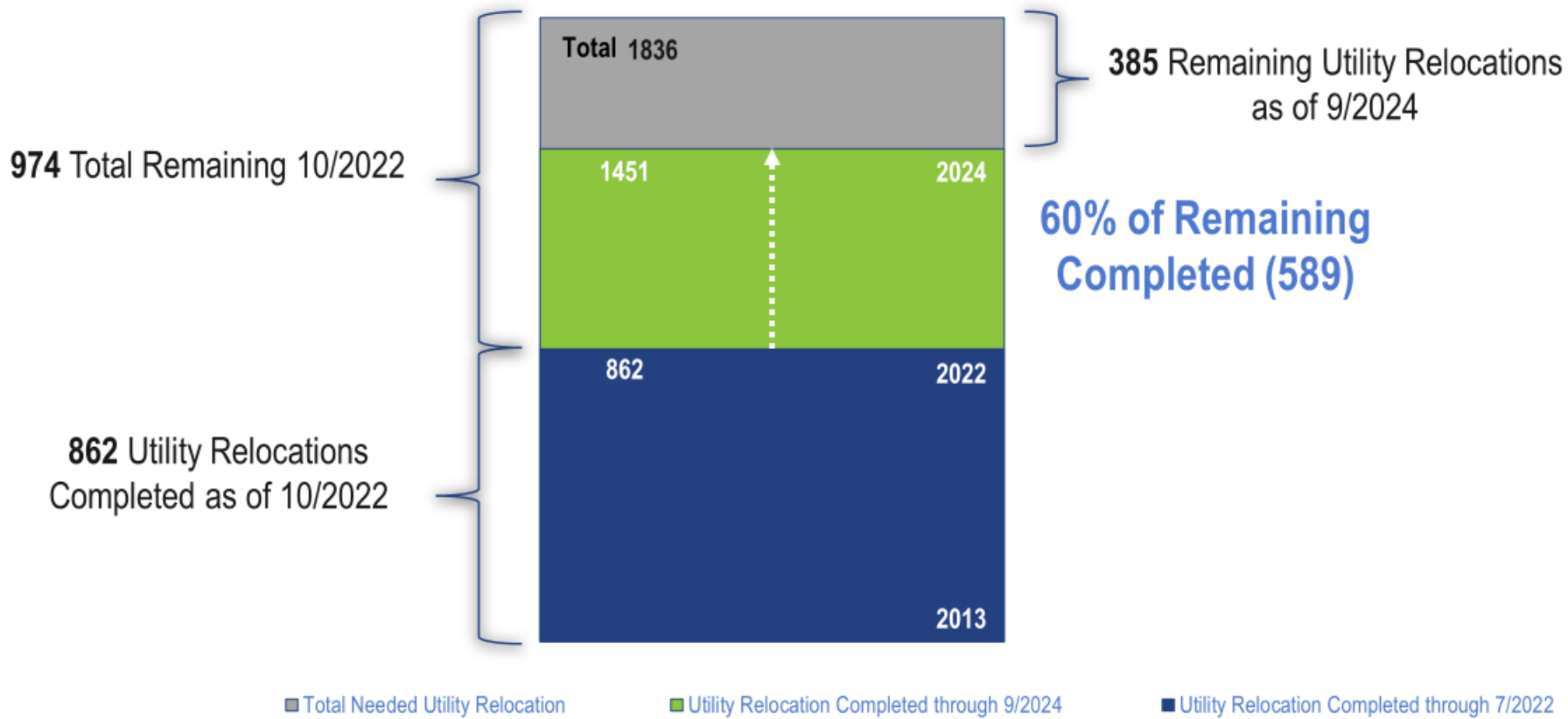
Construction Package	Total Relocations Sep 30, 2024	Total Utilities Relocated to Date Sep 30, 2024	Remaining Utility Relocations Sep 30, 2024
CP 1	992	753	239
CP 2-3	701	565	136
CP 4	143	133	10
Total	1,836	1,451	385



Central Valley Update

CP1-4 Significant Utility Relocation Progress

60% (589/974) of Remaining Utility Relocations completed in the past twenty-seven months (7/2022–9/2024)





Risk Management & Project Controls Update



Risk - Owner Controlled Insurance Program (OCIP)

- Current Practice:
 - » All construction contractors are required to procure a minimum \$200M in Commercial General Liability (CGL) insurance coverage to satisfy specific requirements in railroad agreements.
 - \$200M CGL limit required for all construction contracts, regardless of contract size.
 - Not necessarily consistent with risk for contracted work.
 - Places strain on insurance market, which is already in a “hard market” state.
- Future Practice:
 - » OCIP – the Authority creates an insurance program where all future construction contractors are provided with CGL coverage under one umbrella policy procured by the Authority.
 - Efficiently meeting requirements of railroad agreements.
 - Reduces strain on insurance market.
 - Estimated 20%-40% in CGL insurance cost reduction for future construction contracts.



Strategic Communications Update



Small Business Diversity and Resources Fair



Connects diverse and small businesses with Prime Contractors and Resource Partners from the California High-Speed Rail Authority. It aims to provide opportunities for collaboration and growth within the small business community.

- » Annual event hosted by the Small Business Team in collaboration with Capitol Procurements, Strategic Comms and Regional Staff
- » Held at the Conference Center at UC Merced

- Resource Fair Included:

- » 22 Prime Exhibitors
 - DFJV, AECOM, Foster + Partners, etc.
- » 9 Resource Partners
 - DGS, Caltrans, PNC Bank, etc.

- More than 200 attendees



Small Business Diversity and Resources Fair

- Matchmaking:
 - » DVBE and disadvantaged businesses allowed to engage in 7-minute one-on-one meetings with Authority prime contractors with available contract opportunities
 - » Aimed to facilitate partnerships and enhance access to contracting opportunities for these businesses
- I Will Ride Student Presentation:
 - » Presentations from three Authority contractors to discuss career opportunities on High-Speed Rail
 - » Shared internship and entry level opportunities



Upcoming Industry Forum

- Invitation to industry partners to meet with CEO Ian Choudri
- Opportunity to engage with industry experts and gather feedback on next phases of the program
- Industry Forum Details:
 - » Date: January 30 & 31, 2025
 - » Location: Sacramento
 - May Lee Complex
651 Bannon St
Sacramento, CA 95811

California High-Speed Rail Authority

Industry Forum

SAVE THE DATE

January 30-31, 2025

May Lee Complex

651 Bannon St, Sacramento, CA 95811

The California High-Speed Rail Authority (Authority) is pleased to invite you to a two-day industry event in Sacramento, CA. Join the Authority's new CEO Ian Choudri, select members of the Board of Directors and staff to hear the vision for the next phase of this historic program.

More information to follow.

Have questions for High-Speed Rail leadership? Email your questions to info@hsr.ca.gov and members from our executive team will answer as many as they can at the meeting.



Questions?



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