

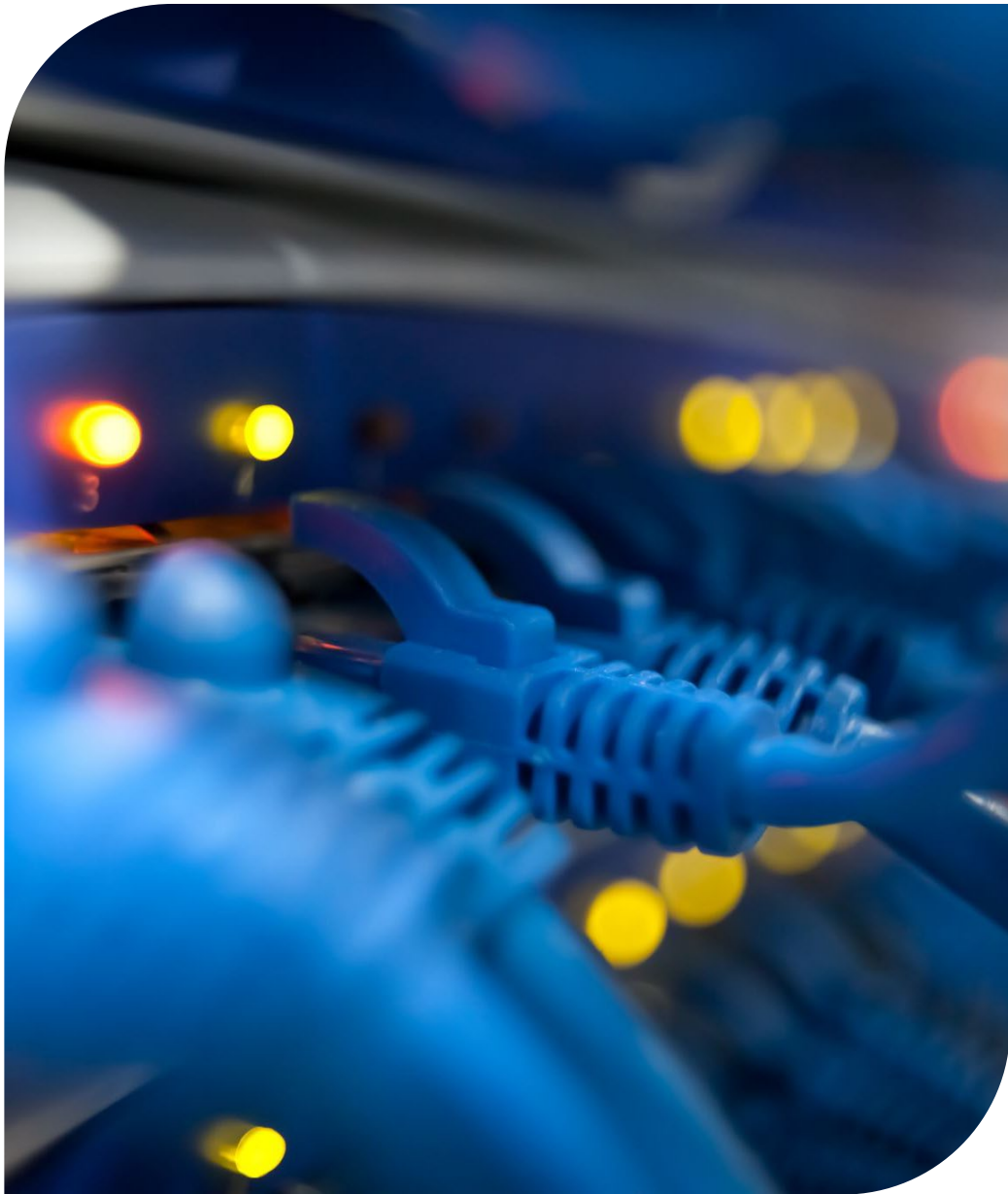


Middle-Mile Advisory Committee Meeting

January 16, 2026



Broadband for All



Agenda

Welcome & Introduction

Executive Report

CDT: Project Updates

Caltrans: Project Updates

GoldenStateNet: Project Updates

CPUC: Last-Mile Updates

Public Comments

Next Meeting Date and Adjourn



Jared Johnson

CHIEF DEPUTY DIRECTOR

California Department of Technology



Mark Monroe

DEPUTY DIRECTOR

Middle-Mile Broadband Initiative
California Department of Technology

CDT

Executive Report Out

Over 60%
of the network
permitted

Over 40%
of the network
constructed

First Community Served
in Q1 2026

Operations
RFP on schedule

Coordination with CPUC
ongoing for FFA
Ready-to-Connect

CDT Project Update

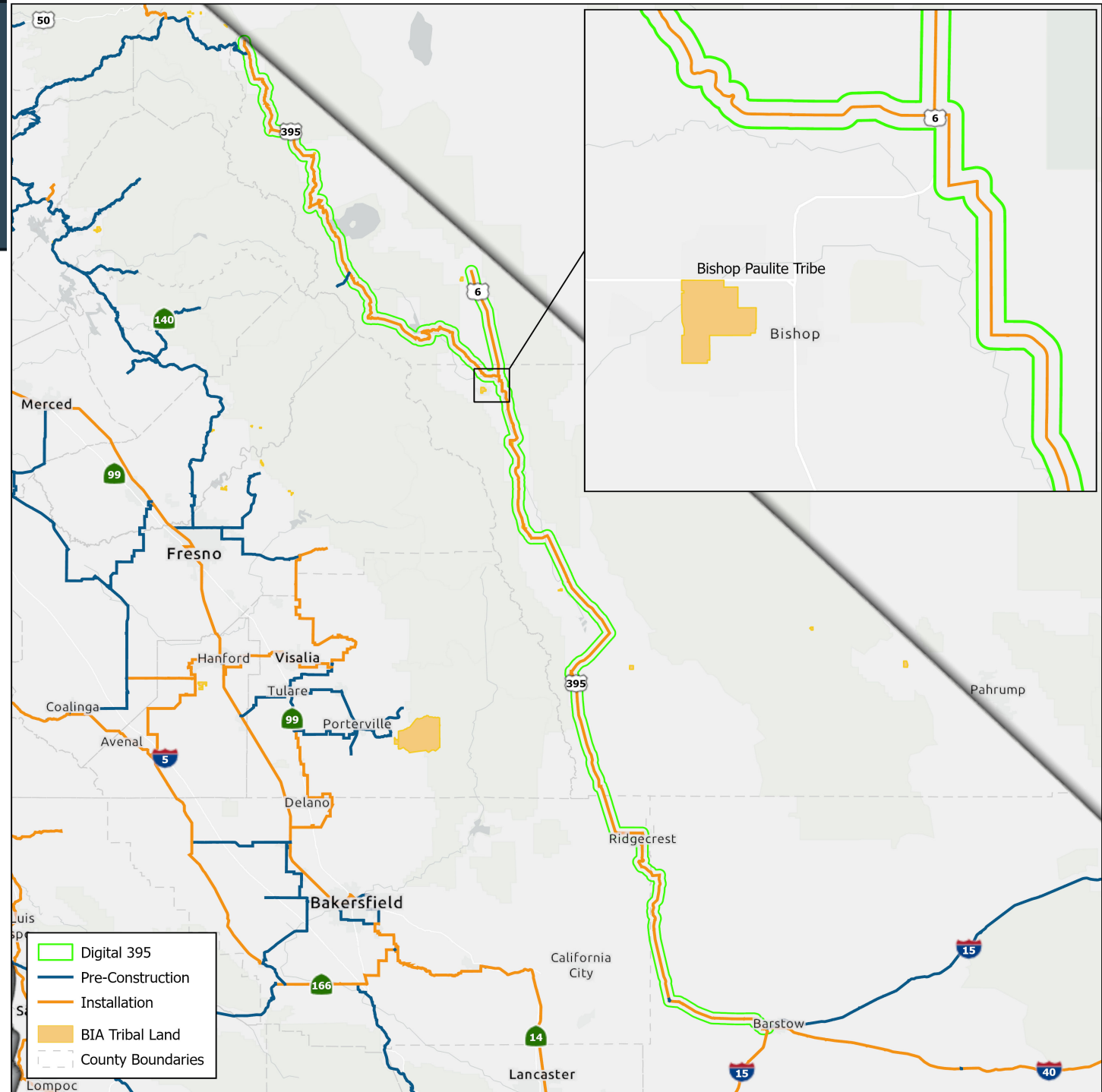


CDT: Project Update

Early Wins in Q1 2026

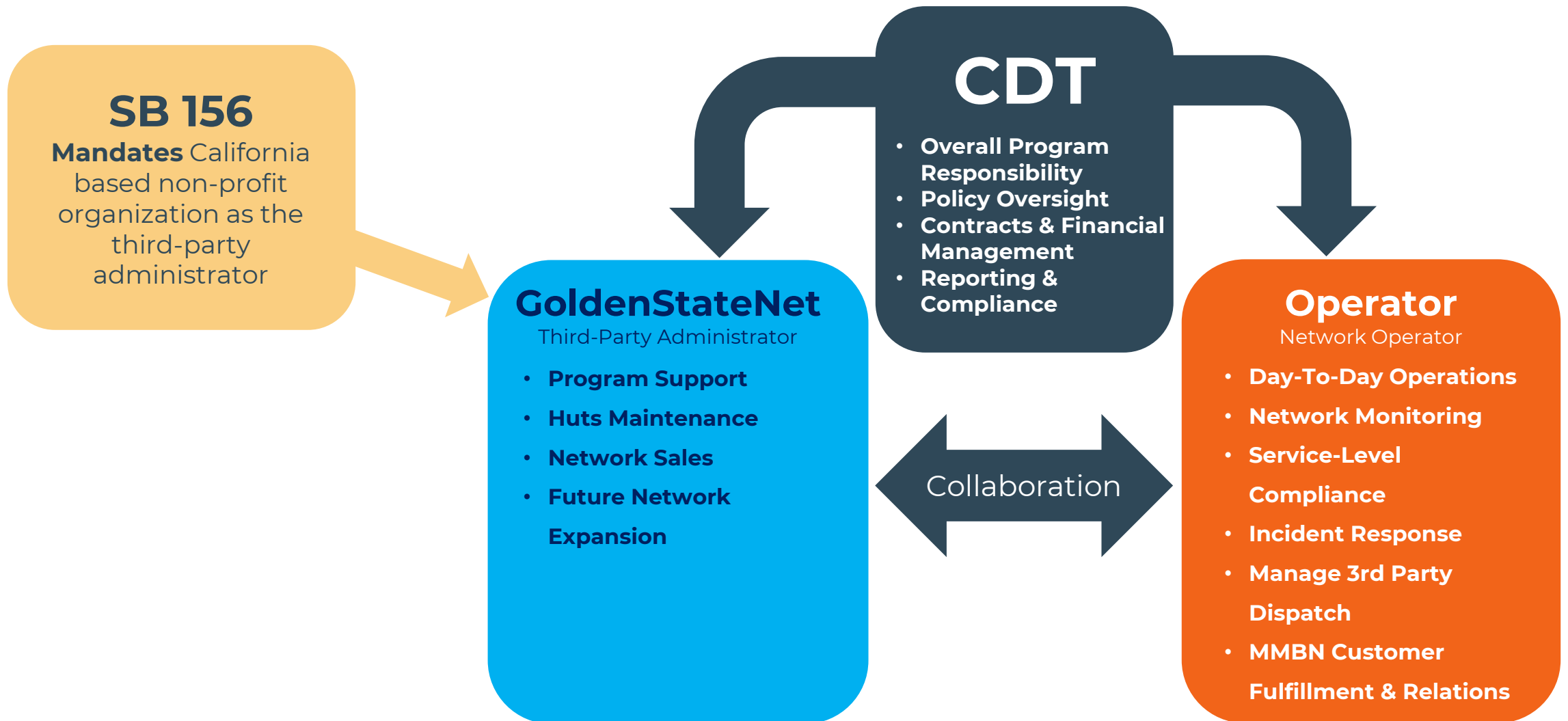
Digital 395

- **423** miles
- The first community to connect to the MMBN: **Bishop Paiute Tribe**
- **~10,000 Unserved and Underserved** Households

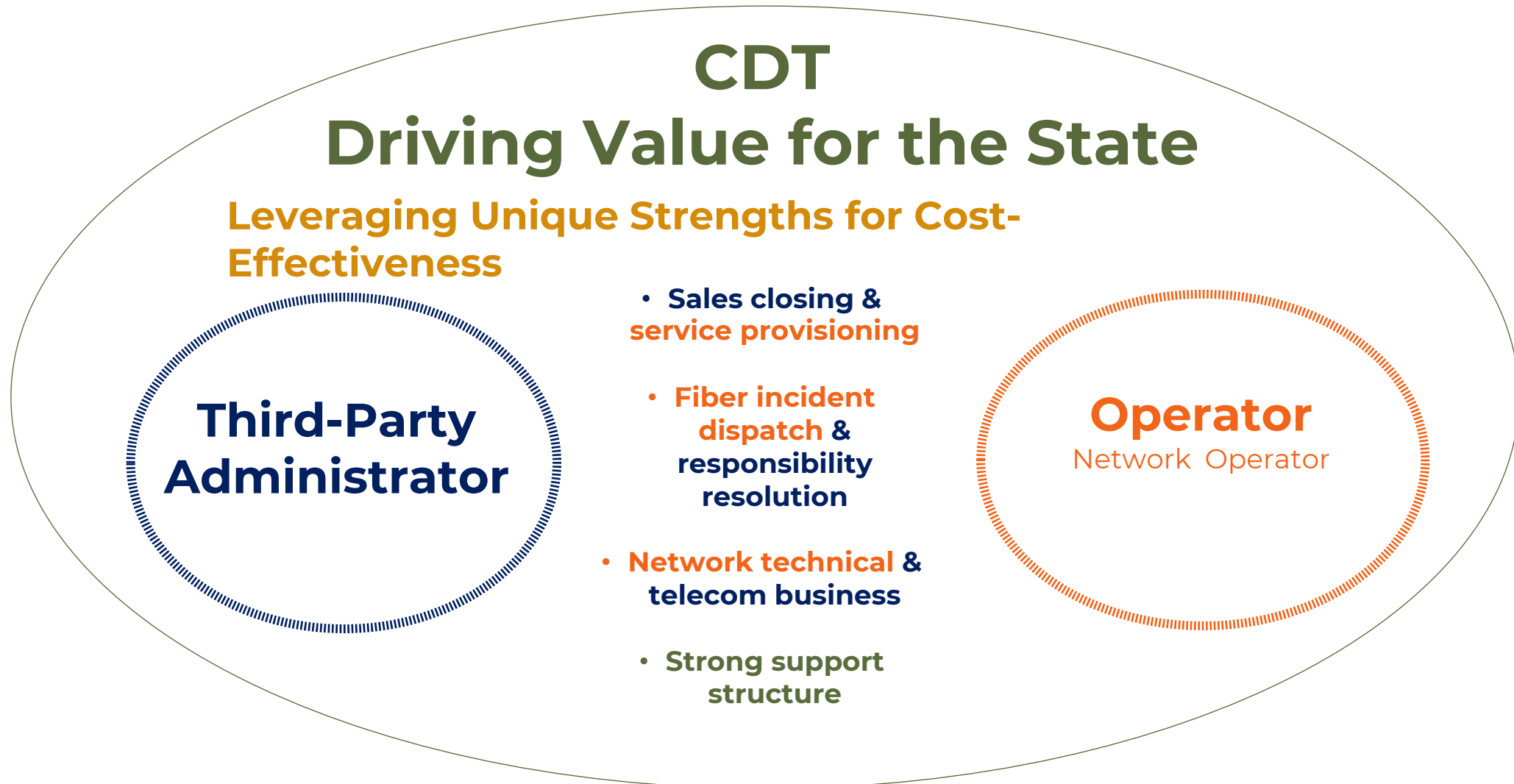


CDT: Project Update

Operation Model: Components

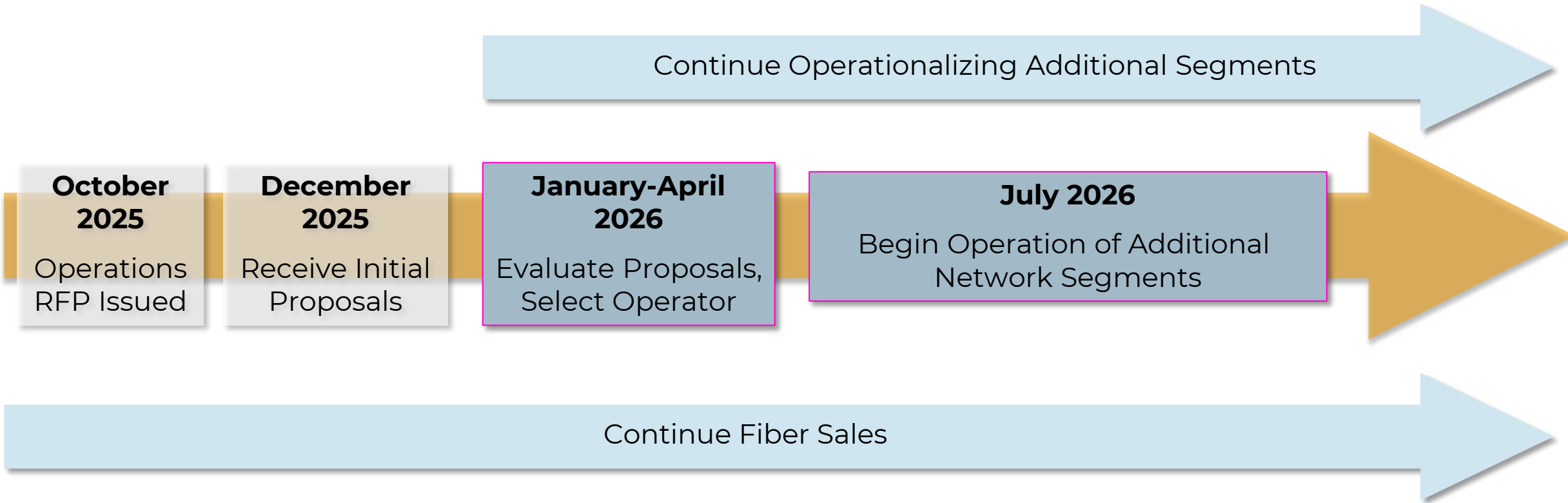


Operation Model: Value



CDT: Project Update

Operations Look Ahead





Shannon Martin-Guzman

PROJECT DELIVERY MANAGER

Middle-Mile Broadband Initiative
California Department of Technology

CDT: Project Update

Installation Updates



- **5,279 Miles** have been permitted.
- **5,141 Miles** have gone to installation.
- **3,389 Miles** of fiber installation completed.

As of 1/13/26	Total Miles	%	Permitted	%	Constructed	%
On Caltrans ROW	4,086	50%	1,734	42%	1,138	28%
Off Caltrans ROW	4,051	50%	3,545	88%	2,251	56%
Total MMBI Miles	8,137	100%	5,279	65%	3,389	42%



On the Ground Realities

- Public Safety
- Diverse Geography
- Authorities Having Jurisdiction
- Public and Private Collaboration
- Building California



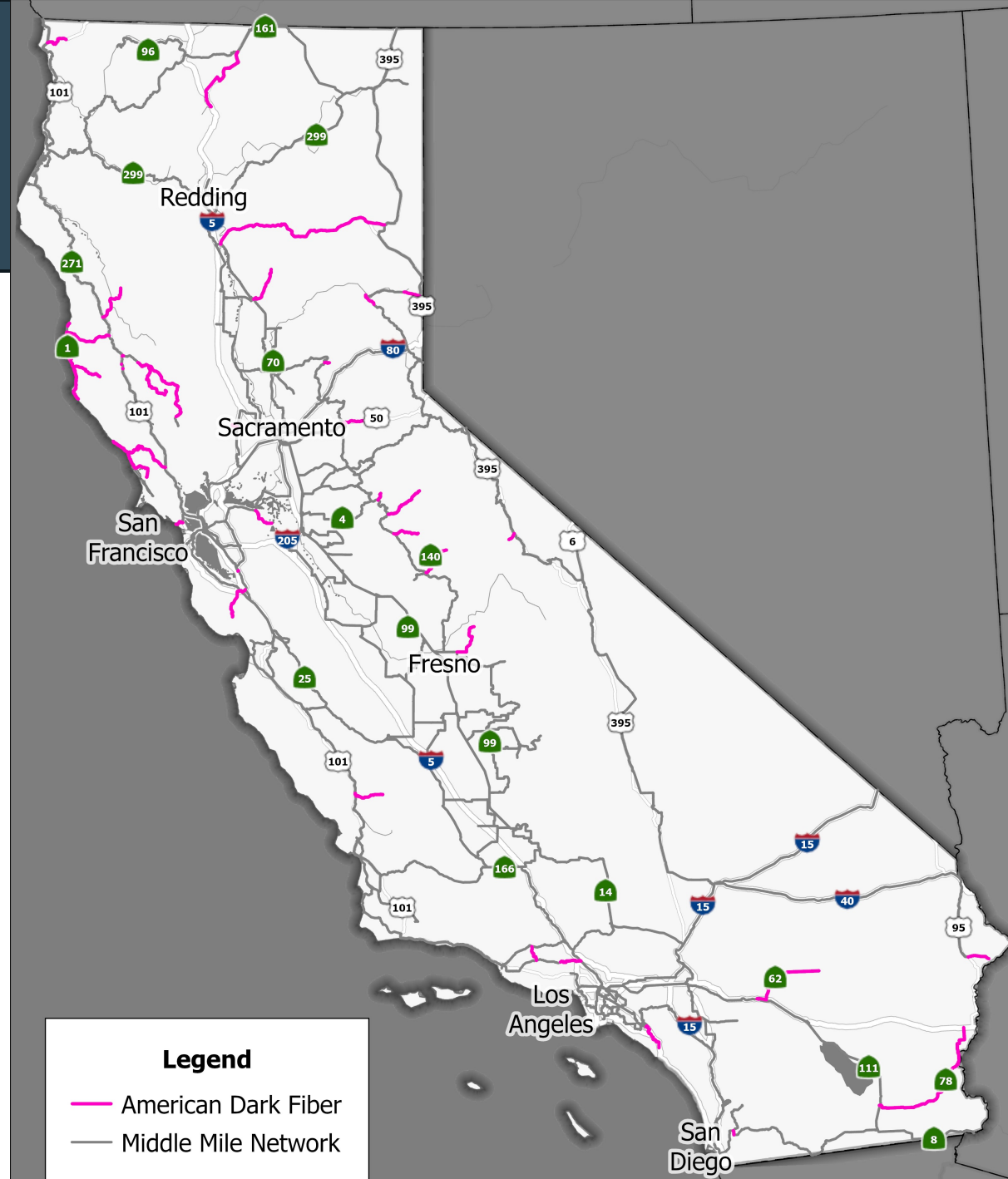
CDT: Project Update

Installation Partner

American Dark Fiber

Joint Build

- **901 Miles**
- Preconstruction: **352** miles
- In Construction: **415** miles
- Construction Complete: **134** miles



CDT: Project Update

Installation Partner

Arcadian Joint-Build

- **1,004 Miles**
- Preconstruction: **818** miles
- In Construction: **186** miles
- Construction Complete: **20** miles



CDT: Project Update

Installation Partner

Lumen

Joint-Build & IRU/Lease - **1,880** Miles

- **IRU/Lease 699 miles**
- **Joint-Build 1,181 miles**
- Preconstruction: **24** miles
- In Construction: **343** miles
- Construction Complete: **1,513** miles



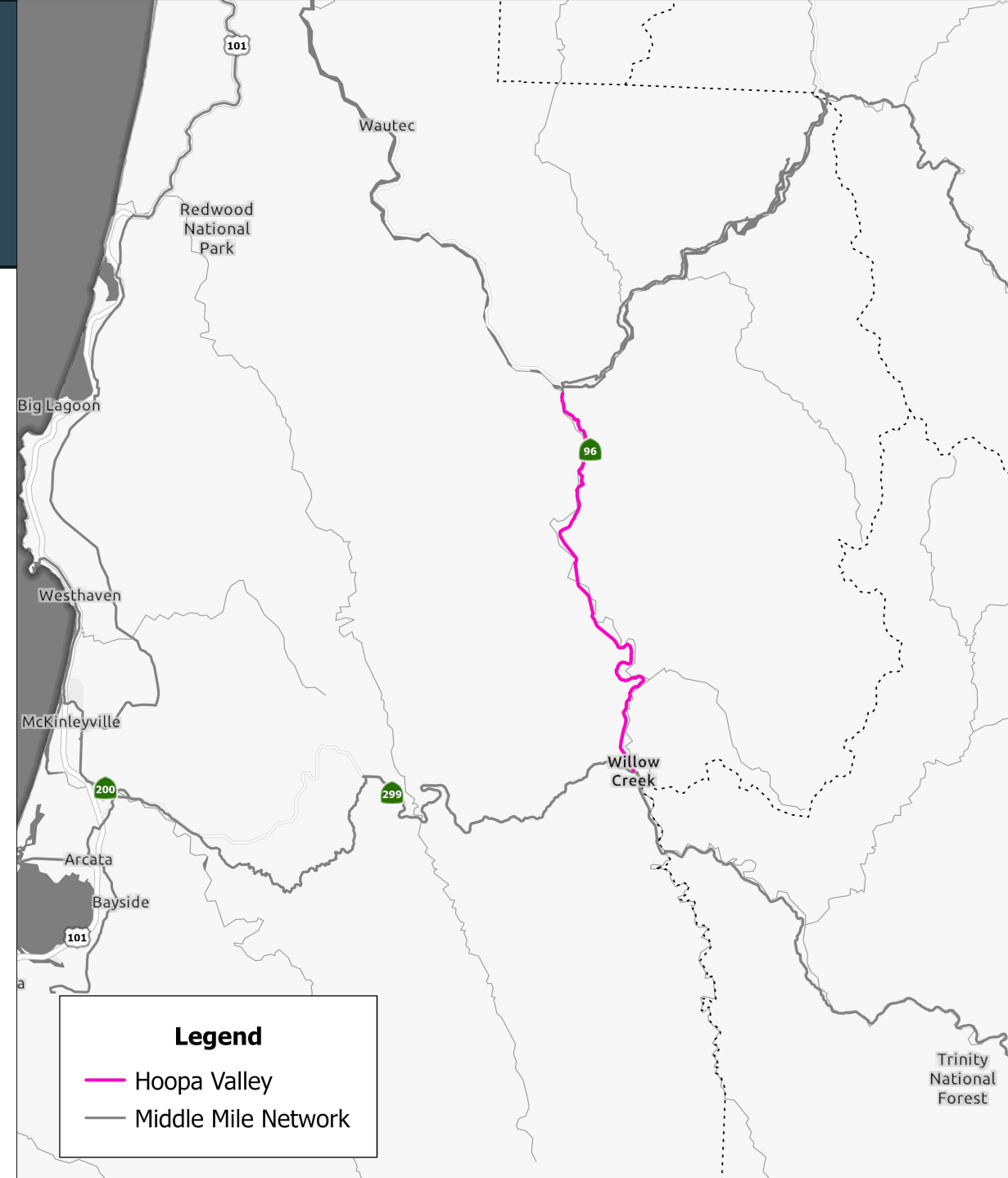
CDT: Project Update

Installation Partner

Hoopa Valley

Joint-Build

- **23 Miles**
- Preconstruction: Completed
- In Construction: **14** miles
- Construction Complete: **9** miles



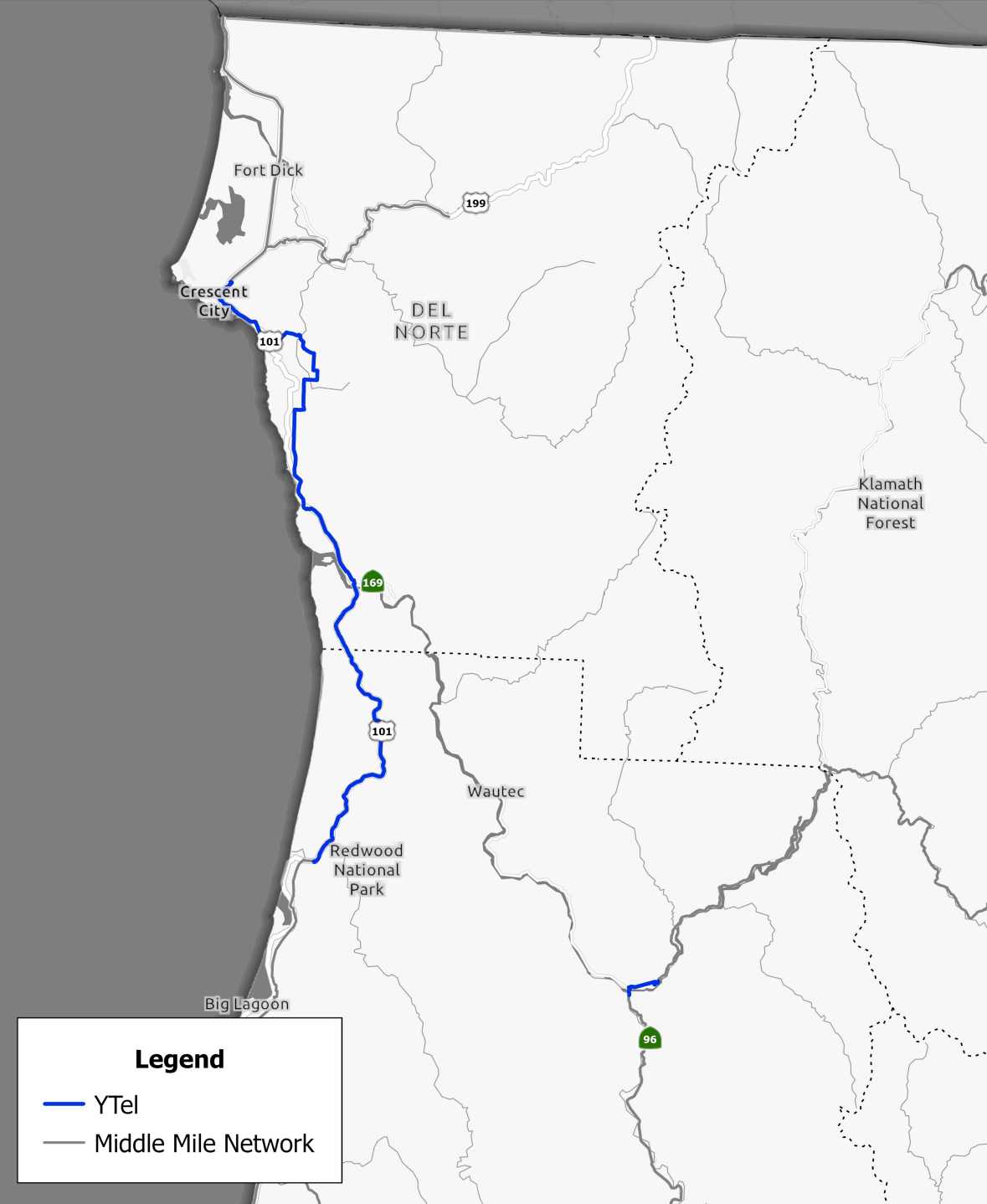
CDT: Project Update

Installation Partner

Y-Tel

IRU/Lease

- **50 Miles**
- Preconstruction: **22** miles
- In Construction: **21** miles
- Construction Complete: **7** miles



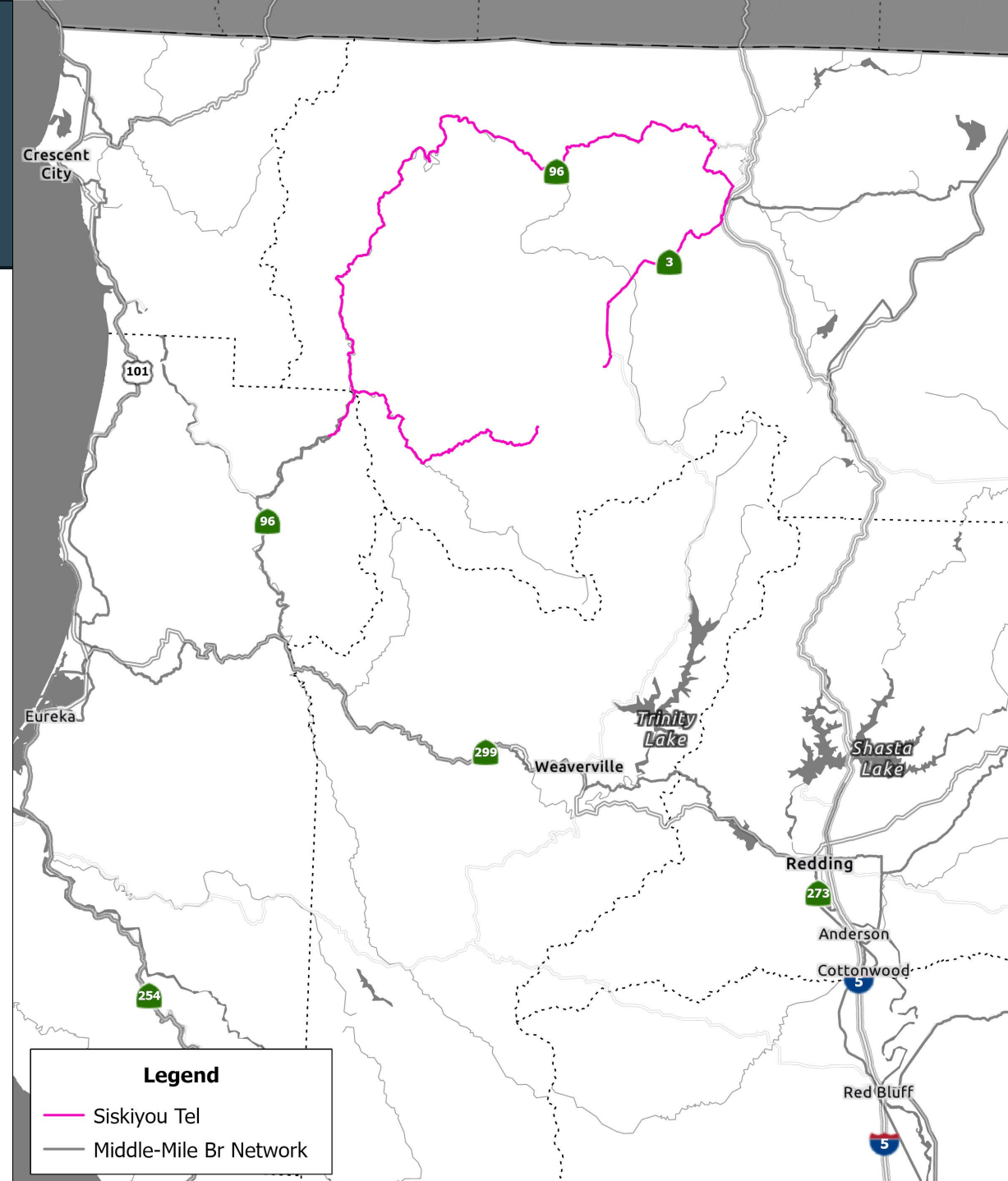
CDT: Project Update

Installation Partner

Siskiyou Tel

Joint-Build

- **163 Miles**
- Preconstruction: **89** miles
- In Construction: **6** miles
- Construction Complete: **68** miles



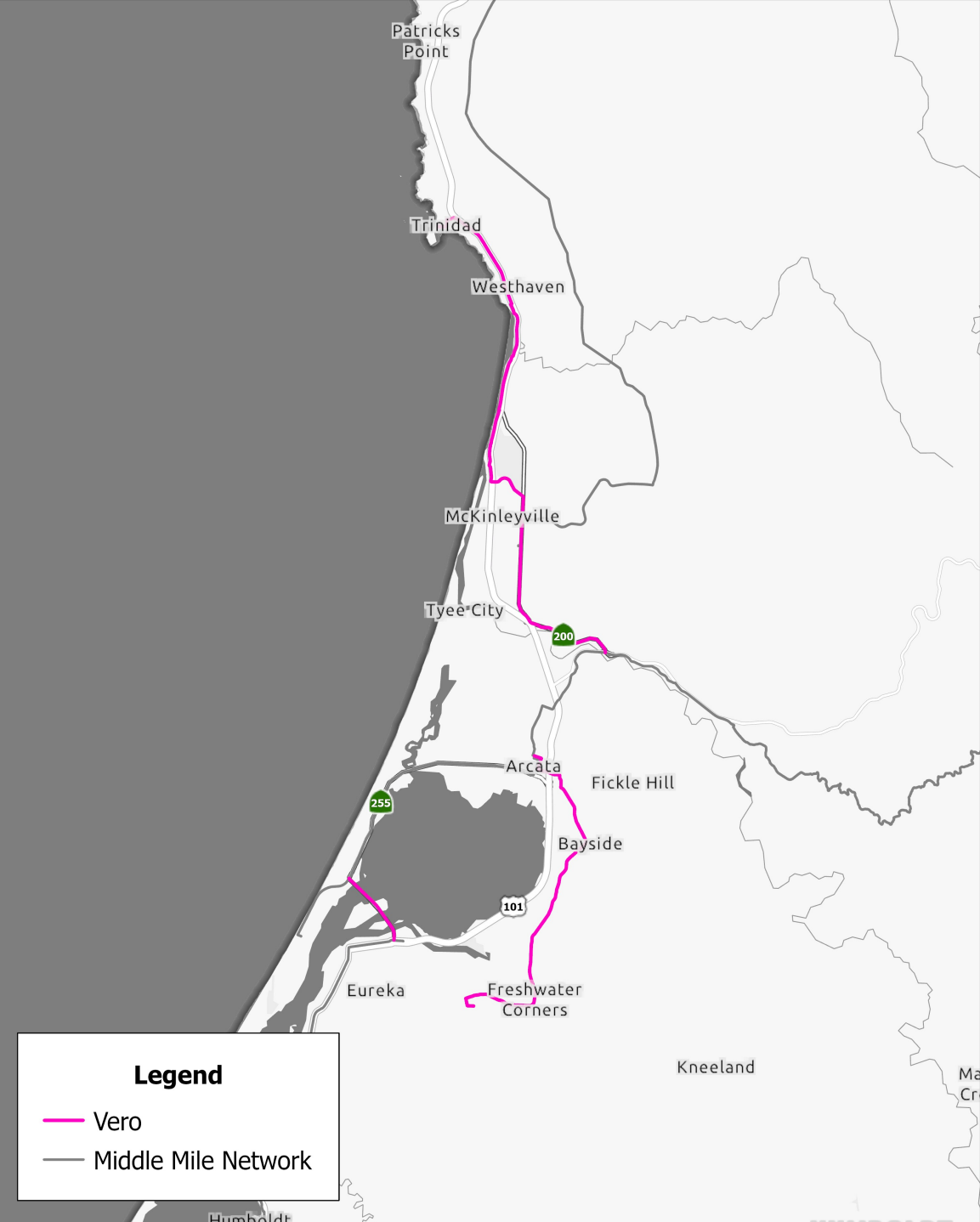
CDT: Project Update

Installation Partner

Vero

Joint-Build

- **26 Miles**
- Preconstruction: **0** miles
- In Construction: **2** miles
- Construction Complete: **24** miles



CDT: Project Update

Installation Partner

CVIN

IRU/Lease

- **2,672 Miles**
- Preconstruction: **1,363** miles
- In Construction: **686** miles
- Construction Complete: **623** miles



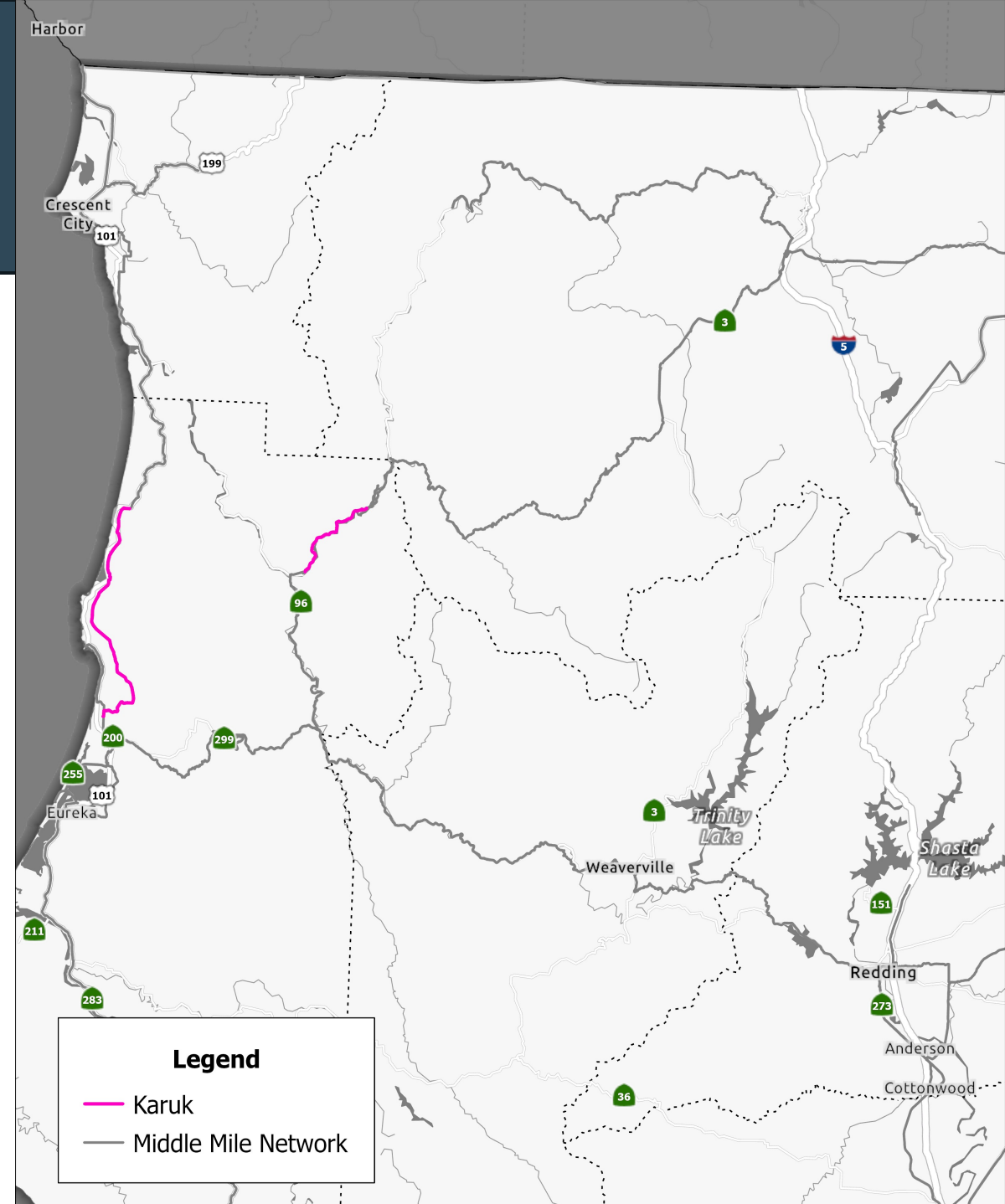
CDT: Project Update

Installation Partner

Karuk

Joint-Build

- **45 Miles**
- Preconstruction: **15** miles
- In Construction: **30** miles
- Construction Complete: **0** miles



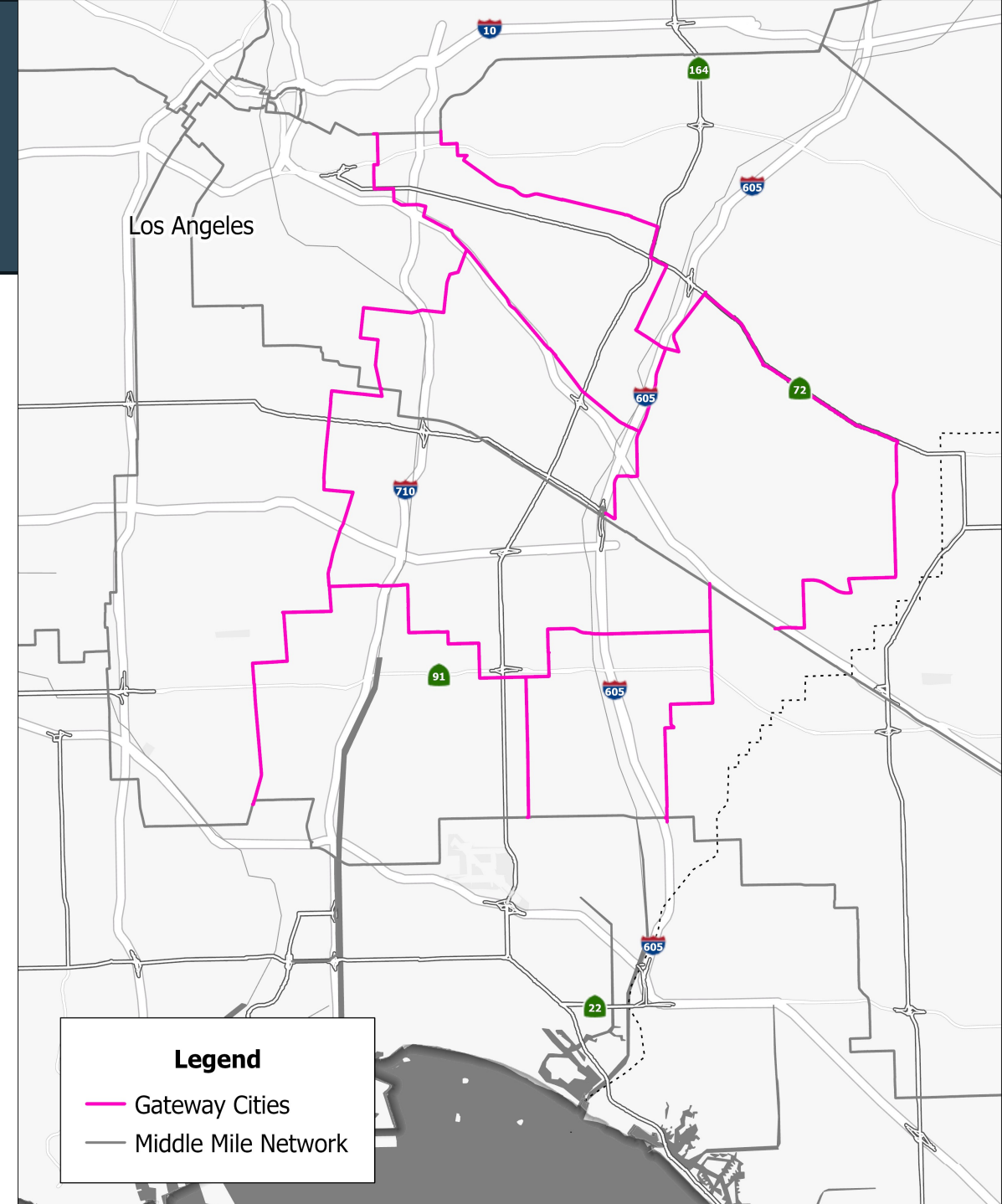
CDT: Project Update

Installation Partner

Gateway Cities Council of Governments

Joint-Build

- **74 Miles**
- Preconstruction: **67** miles
- In Construction: **7** miles
- Construction Complete: **0** miles

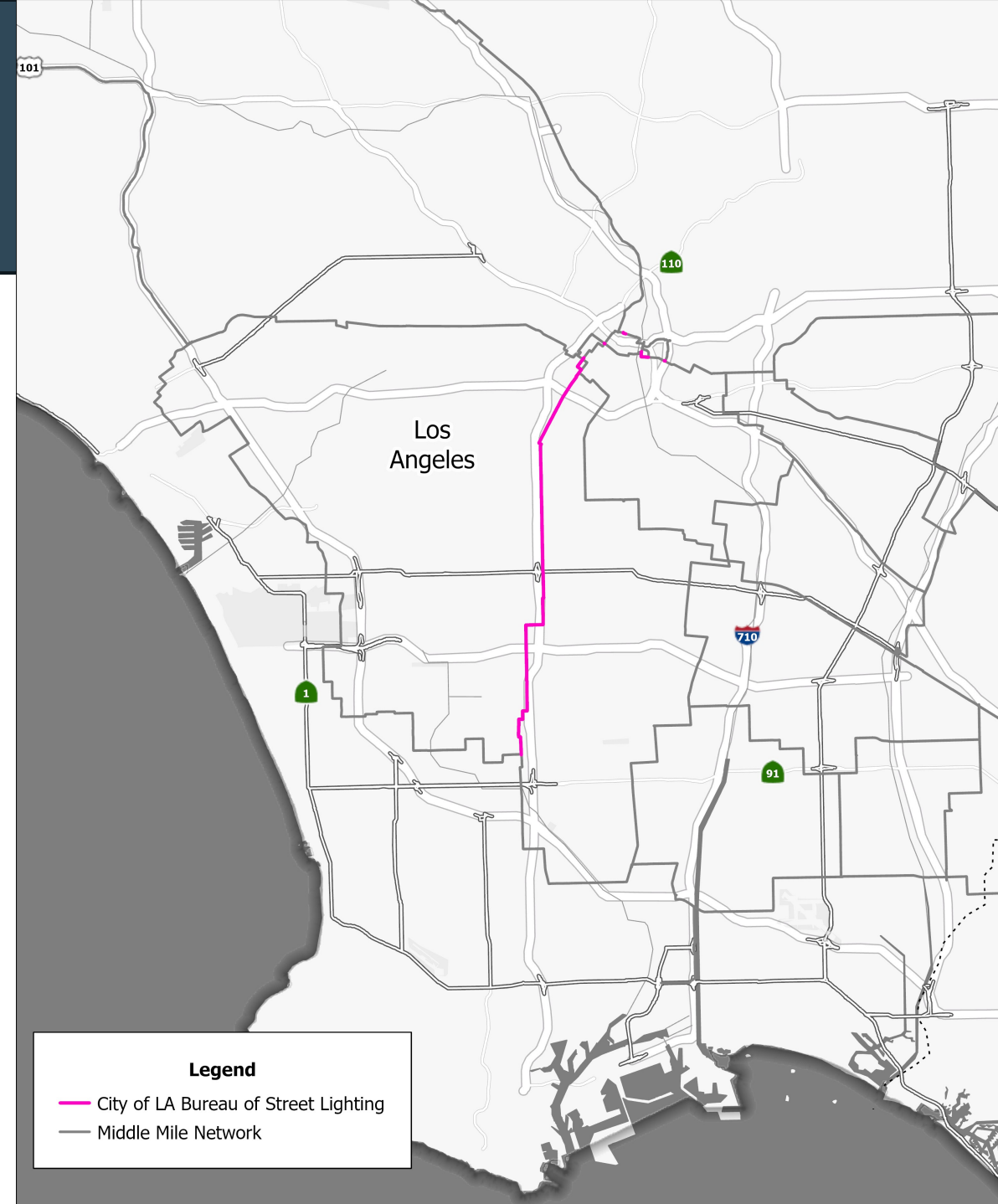


CDT: Project Update

Installation Partner

City of Los Angeles Bureau of Street Lighting Joint-Build

- **13 Miles**
- Preconstruction: **1** miles
- In Construction: **11** miles
- Construction Complete: **1** miles



CDT: Project Update

Installation Partner

Fort Bragg

Joint-Build

- **4 Miles**
- Preconstruction: Completed
- In Construction: **4** miles
- Construction Complete: **0** miles



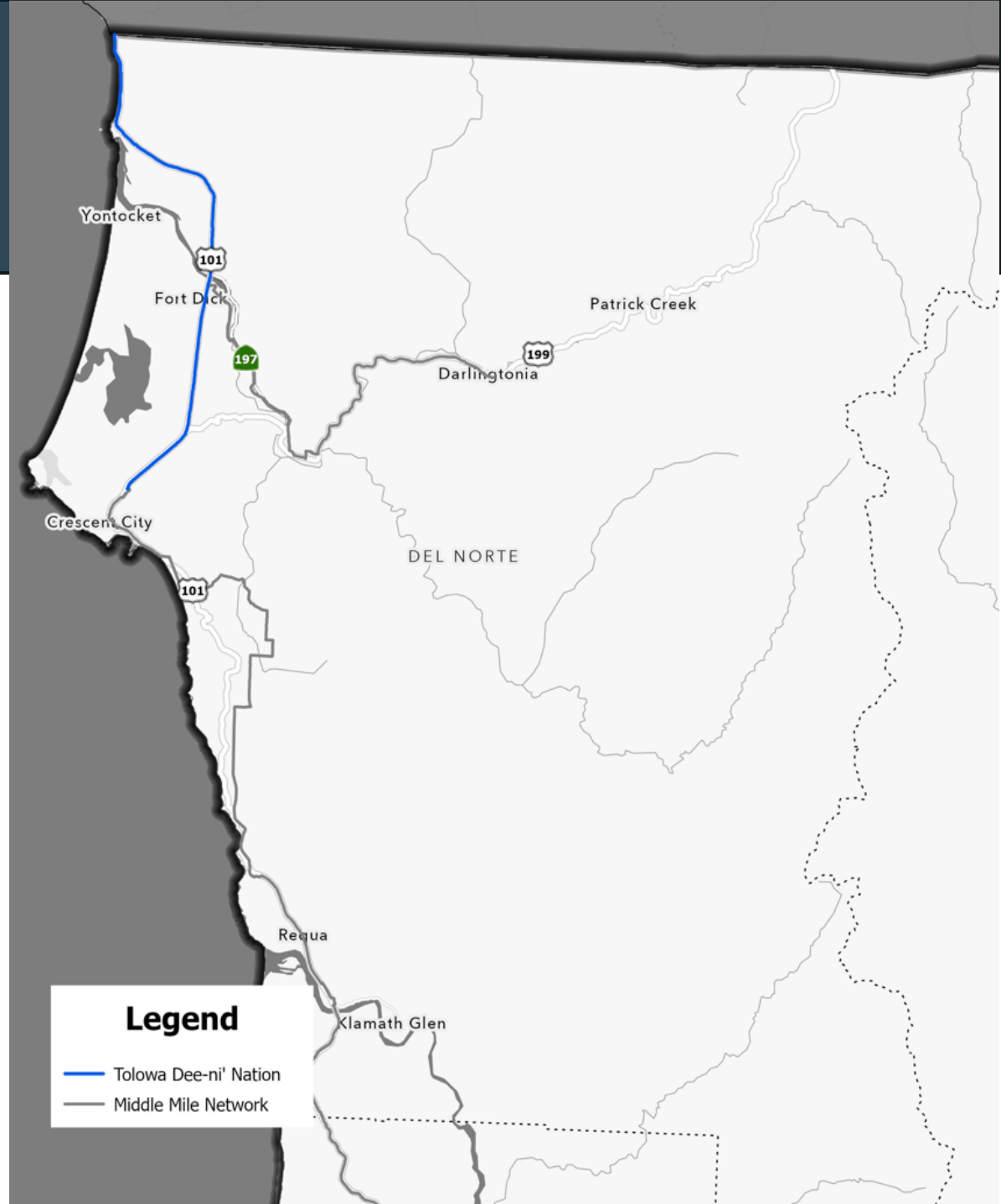
CDT: Project Update

Installation Partner

Tolowa Dee-ni' Nation

IRU/Lease

- **19 Miles**
- Preconstruction: **19** miles
- In Construction: **0** miles
- Construction Complete: **0** miles



CDT: Project Update

Installation Partner

Digital 395

Purchase

- **423 Miles**
- Purchase Finalized: October 2024
- Ready to Connect: Q1 2026



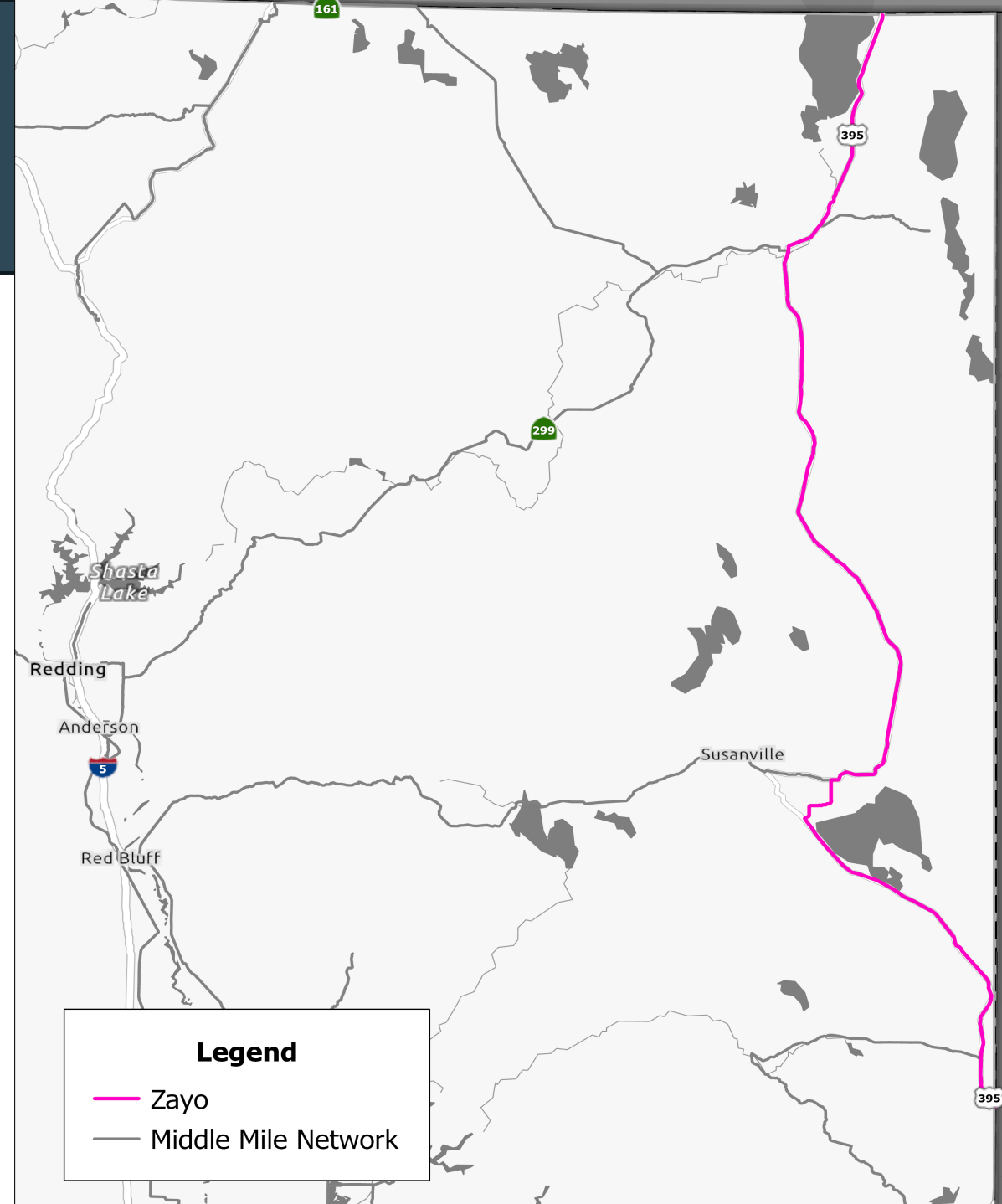
CDT: Project Update

Installation Partner

Zayo

Joint Build

- **194 Miles**
- Completed construction October 2025



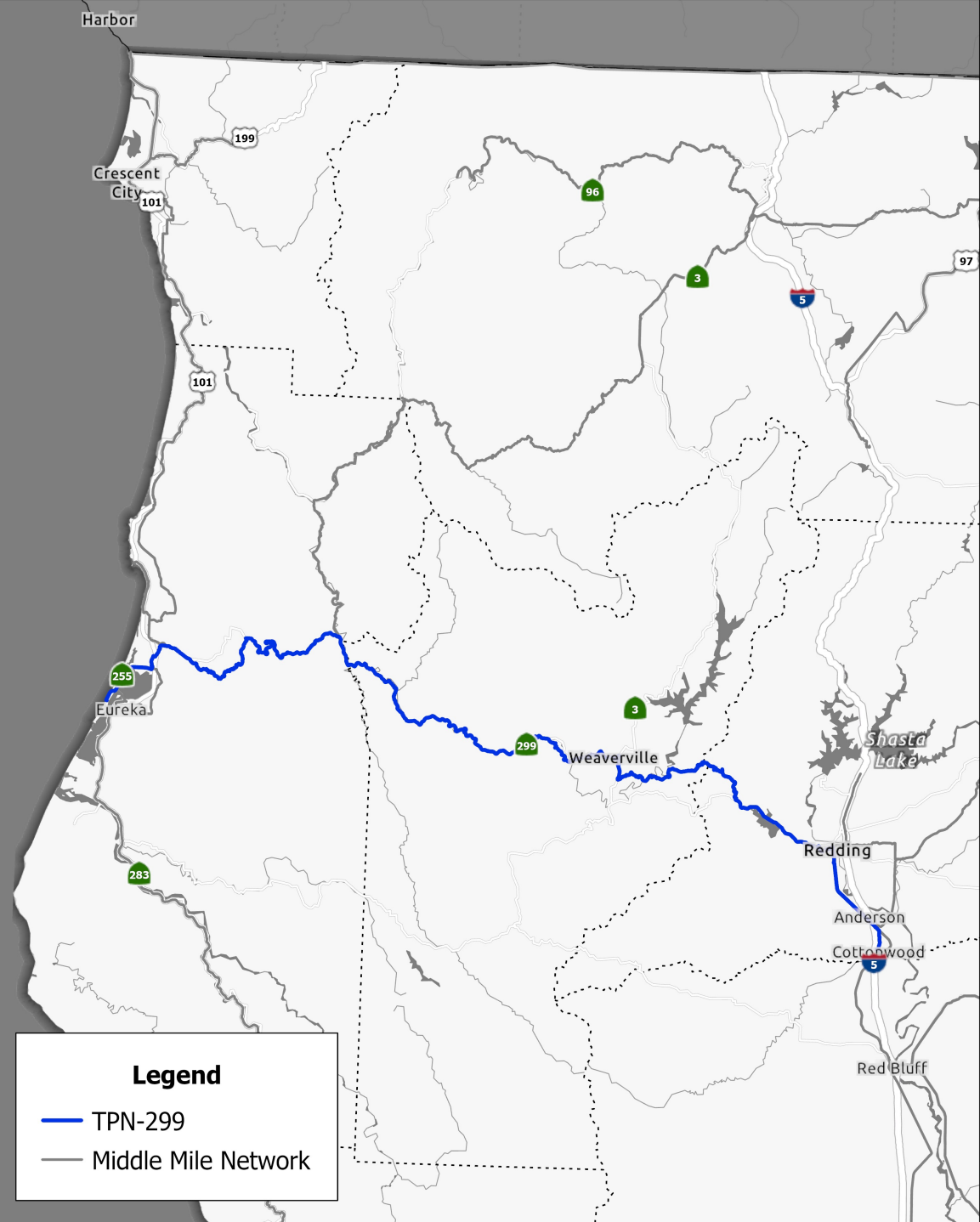
CDT: Project Update

Installation Partner

TPN-299

IRU/Lease

- **171 Miles**
- Completed construction May 2025

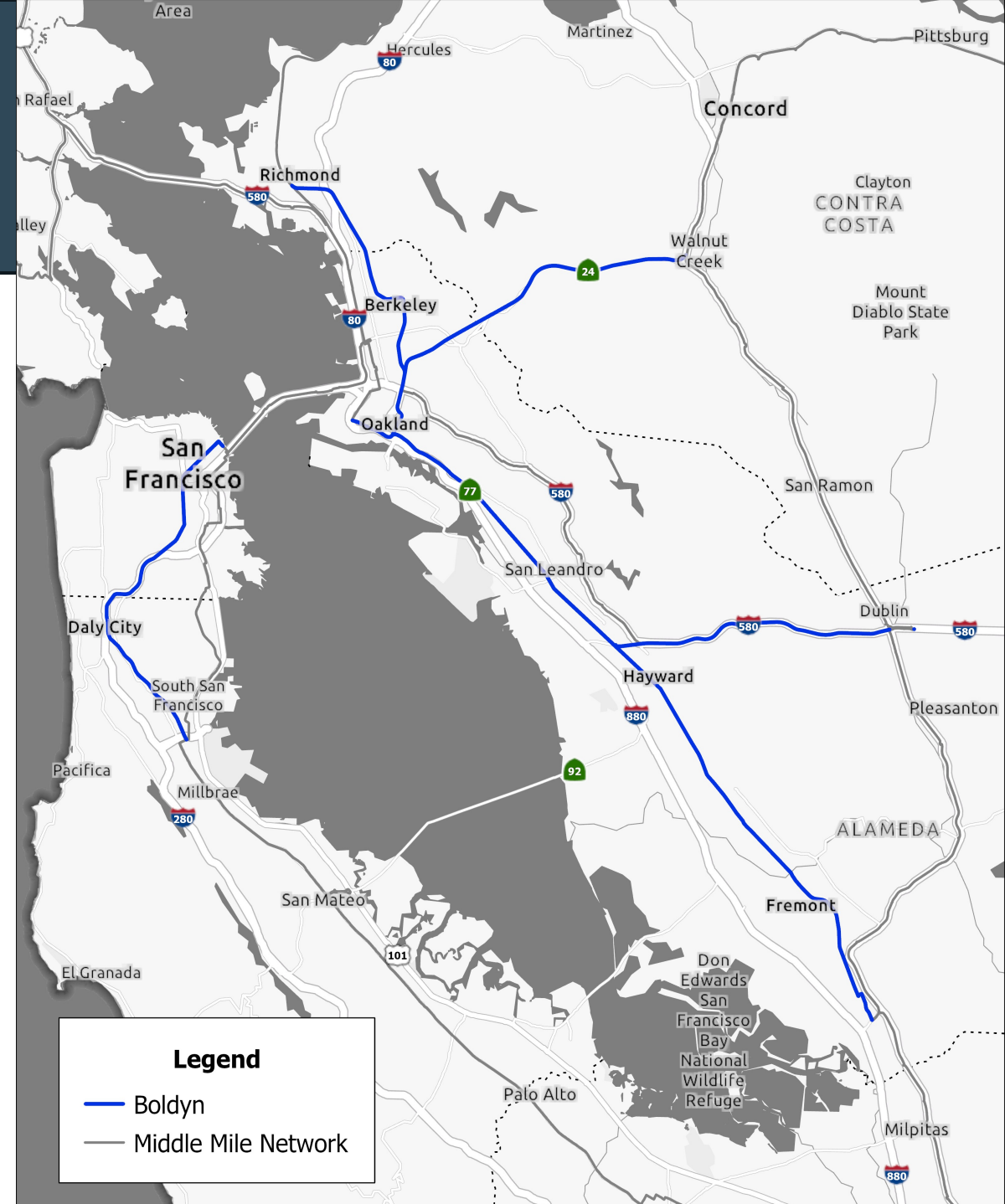


CDT: Project Update

Installation Partner

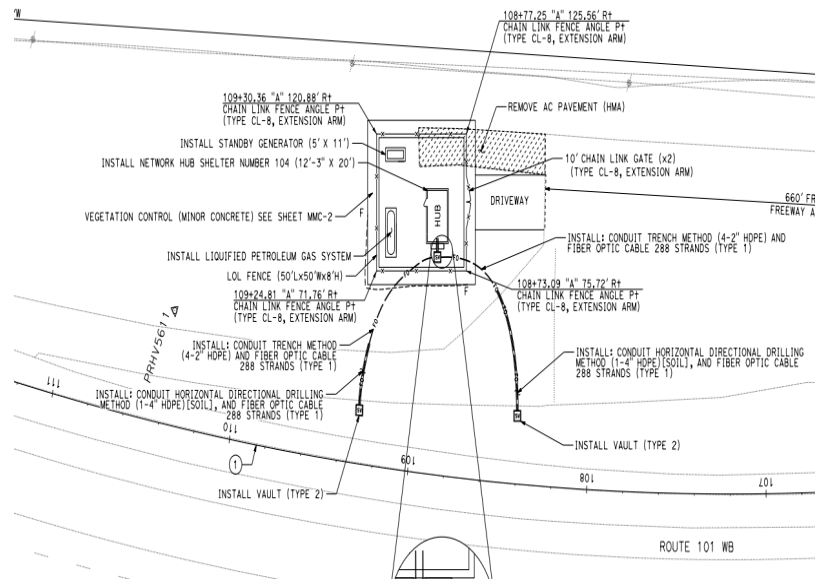
Boldyn
IRU/Lease

- **81 Miles**
- Completed construction June 2025



CDT: Project Update

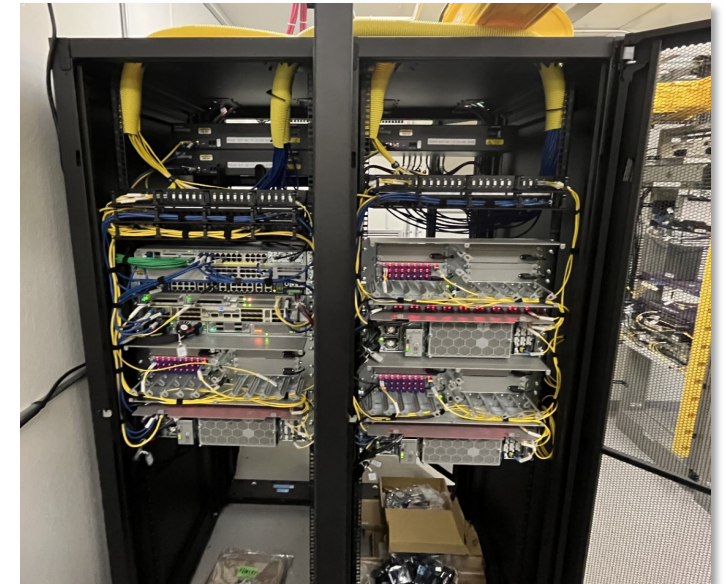
MMBN Hub Progress: From Design to Ready-to-Connect



Preconstruction



Construction



Electronics Installation

CDT: Project Update

MMBN Hub Progress: In Numbers

Total: 139 hubs

Complete: **11**

In Active Construction: **5**

Starting Construction Q1 2026: **52**





Monica Hernandez

DEPUTY DIRECTOR

Communications & Stakeholder Relations
California Department of Technology

CDT: Project Update

2026 MMBI Stakeholder Engagement Schedule

Virtual Meetings

10:00-11:00 a.m.

Friday, January 30

Friday, May 1

Friday, July 31

Friday, October 30



CDT: Project Update

Last Stakeholder Meeting Summary

Oct. 31, 2025

107 Invites

35 Registrations

34 Attendees

4 Evaluation Responses





Sarah McCormick

Housing & Economic Development Manager

City of Fort Bragg



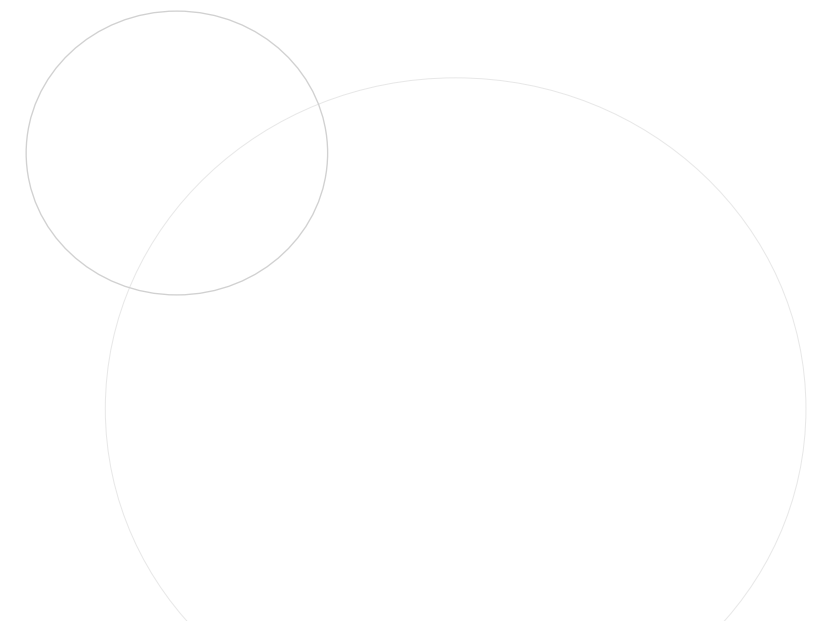
0-30-02

1"=1800'

GP-FT. BRAGG SPOT

CITY OF FORT BRAGG BROADBAND UTILITY

MIDDLE MILE ADVISORY COMMITTEE PRESENTATION



THANK YOU CPUC



\$479,000 of Local Agency Technical Assistance (LATA) Program funds allowed the City to bring desktop designs and cost estimates of *the 2019 Fort Bragg Digital Infrastructure Plan* to construction-level detail.

\$10,300,000 of Federal Funding Account (FFA) Program funds are covering half of the City's costs to construct a city-wide, FTTP last-mile network that will offer a minimum of 1 Gbps to every premise.

MMBI Joint Build Partnership facilitated the construction of a 4-mile segment that would have otherwise been removed from the MMBI build.





CDT / CITY OF FORT BRAGG JOINT BUILD UNDERWAY!

A Four-Mile Segment along CA Hwy 1



**LAST-MILE NETWORK
DESIGNED WITH 15 DISTRIBUTION
AREAS FEEDING INTO CENTRALIZED
DATA CENTER HUT**

**FTTP
UNDERGROUND
CITYWIDE**

**DESIGNED, CONSTRUCTED,
OPERATED AND MAINTAINED AS
PUBLIC INFRASTRUCTURE**





ISP: MENDOCINO COMMUNITY NETWORK (MCN) MOVED FROM SCHOOL DISTRICT TO CITY HALL

The City acquired MCN from the Mendocino Unified School District on July 1, 2025, welcoming ten new employees to the team.

Under the leadership of our newly hired, Director of Municipal Broadband – Sage Statham, MCN will oversee the installation of fiber, take the lead to provide individual service drops, ongoing customer service, as well as the management and maintenance of digital infrastructure.





A PUBLIC UTILITY FOR THE PUBLIC BENEFIT

Our intent is not simply to provide broadband connectivity, but to ensure our community has the tools it needs to use it effectively. Plans are in motion to collaborate with local community organizations, schools, and healthcare providers to provide the resources needed to improve community access to telehealth, cyber-security, professional development opportunities, educational resources, and the internet of things.



Thank you for your leadership, Middle Mile Advisory Committee.



Chairman Steven Orihuela

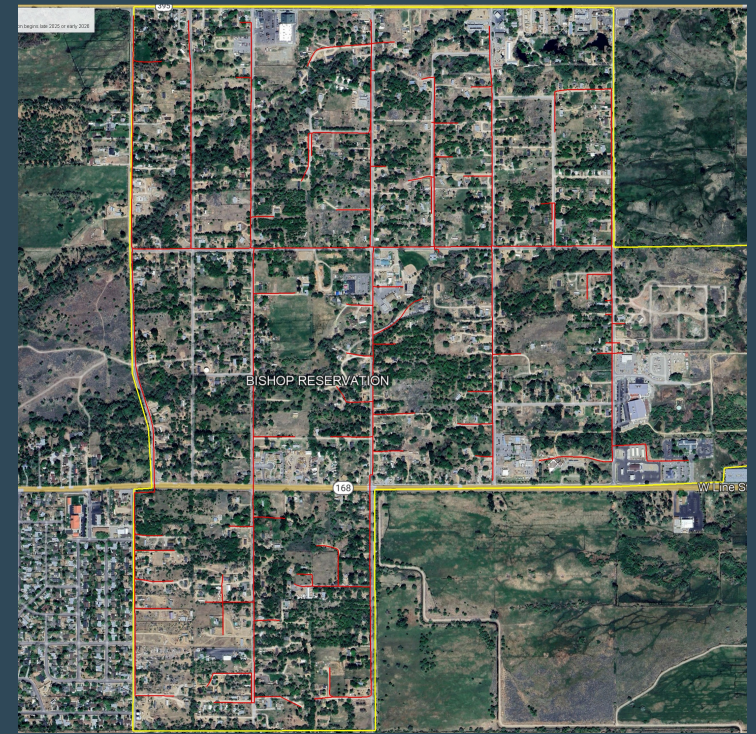
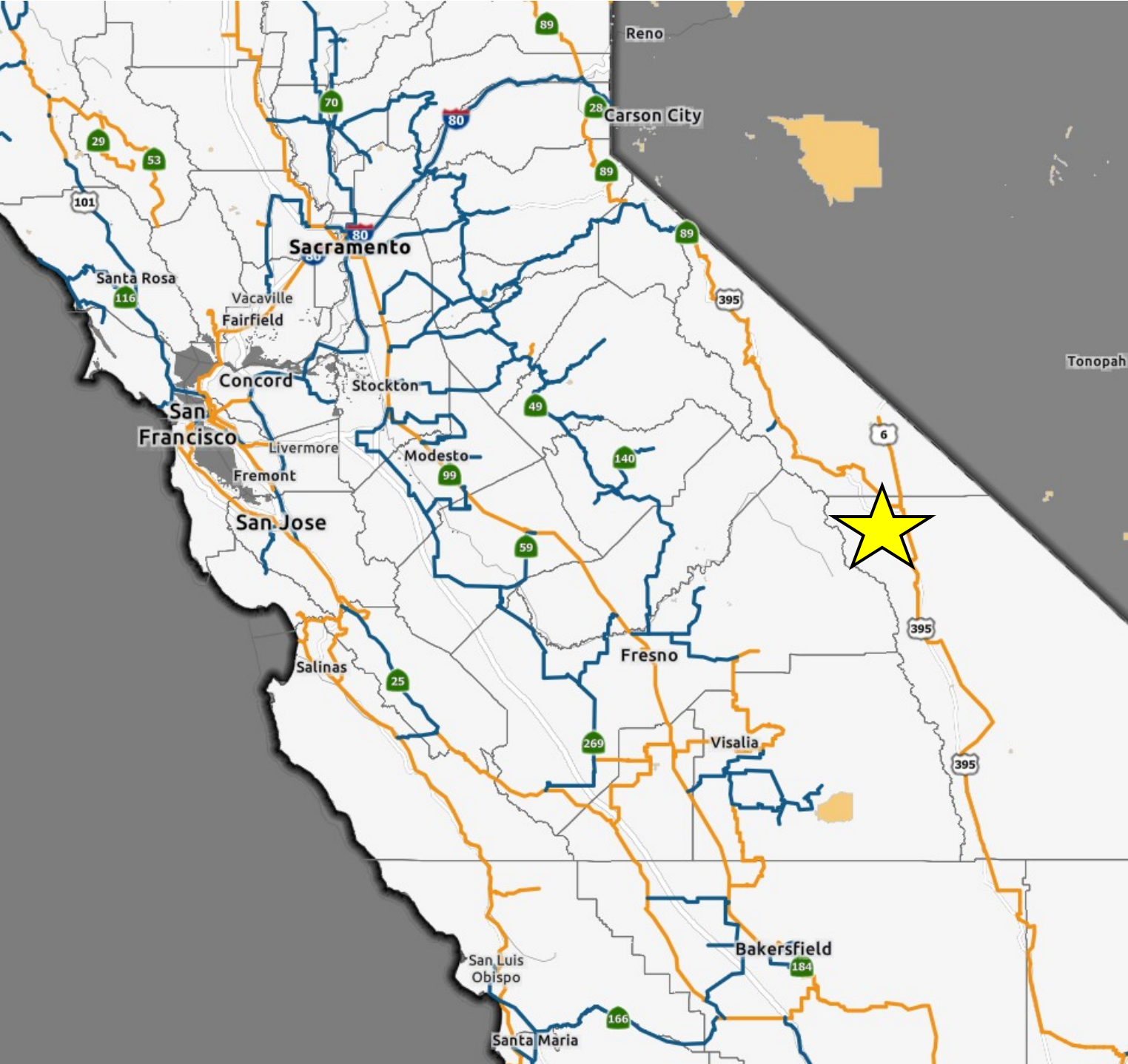
Chairman
Bishop Paiute Tribe

BISHOP PAIUTE TRIBE

MIDDLE MILE BROADBAND CONNECTIVITY

Steven Orihuela – Tribal Chairman





- 5 miles from middle mile connection point
- Current connection publicly funded but privately owned
- Requires cooperation and coordination between Tribe, County, State, and Private



MANAHOBÜ

THANK YOU

Steven Orihuela, Tribal Chairman
steven.orihuela@bishoppaiute.gov



Elias Karam

PROGRAM DIRECTOR

Middle-Mile Broadband Initiative
California Department of Transportation

Caltrans Update



Caltrans Build



**Partner Builds:
Encroachment Permits**

Caltrans Update



Caltrans Build



Partner Builds:
Encroachment Permits



Caltrans Build

Fiber Miles

Construction Status Based on 305-mile Caltrans Build

Ready to Construct	305 miles
In Construction	178 miles
Dig Smart Opportunities	7 miles
Construction Complete	120 miles

*Data as of 01/09/2026



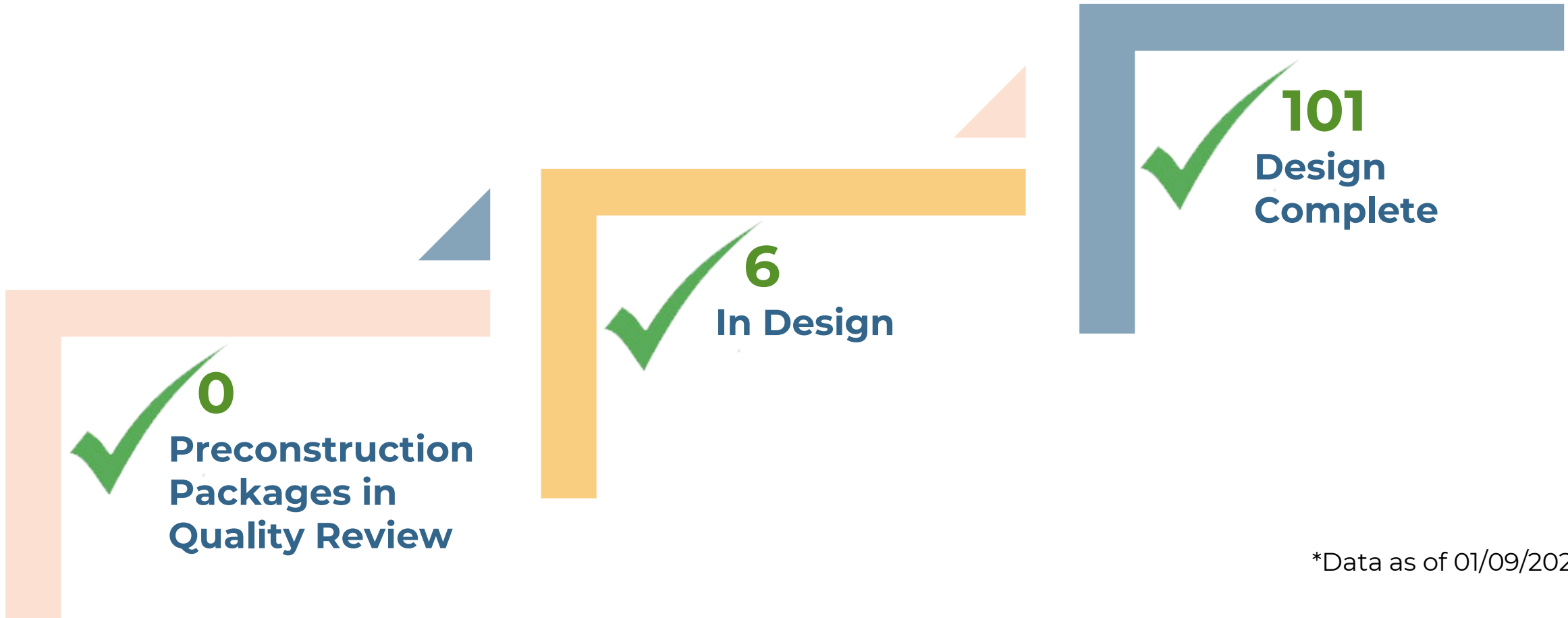
Legend

- Lease, Joint Build, Purchase
- Caltrans Build



Network Hubs

Caltrans Responsibility: Design of **107 Network Hubs**



*Data as of 01/09/2025



Aung Maung

Deputy Director

MMBN Joint Build Permit Liaison
Maintenance & Operations
California Department of Transportation

Caltrans Update



Caltrans Build



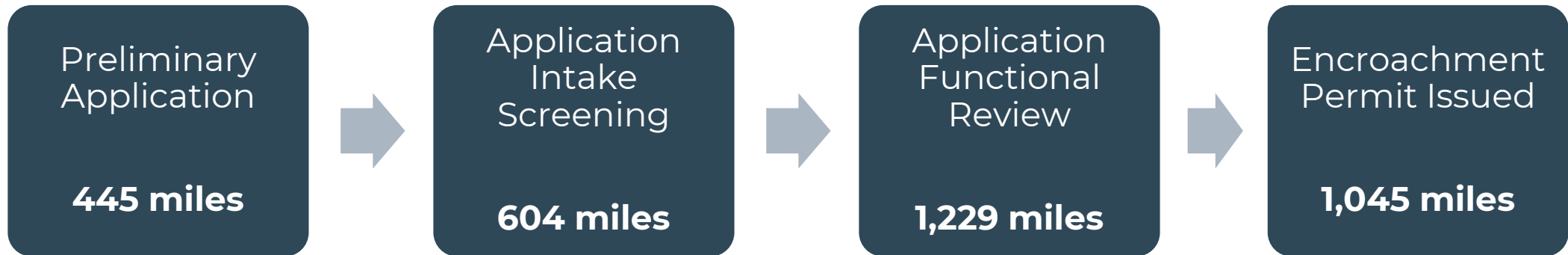
**Partner Builds:
Encroachment Permits**



Partner Builds: Caltrans Encroachment Permits

MMBN Encroachment Permits Status

**CDT Partners Submitted Applications for
2,878 miles (of a total estimated 3,337 miles)**



Note 1: Data as of 1/13/2026

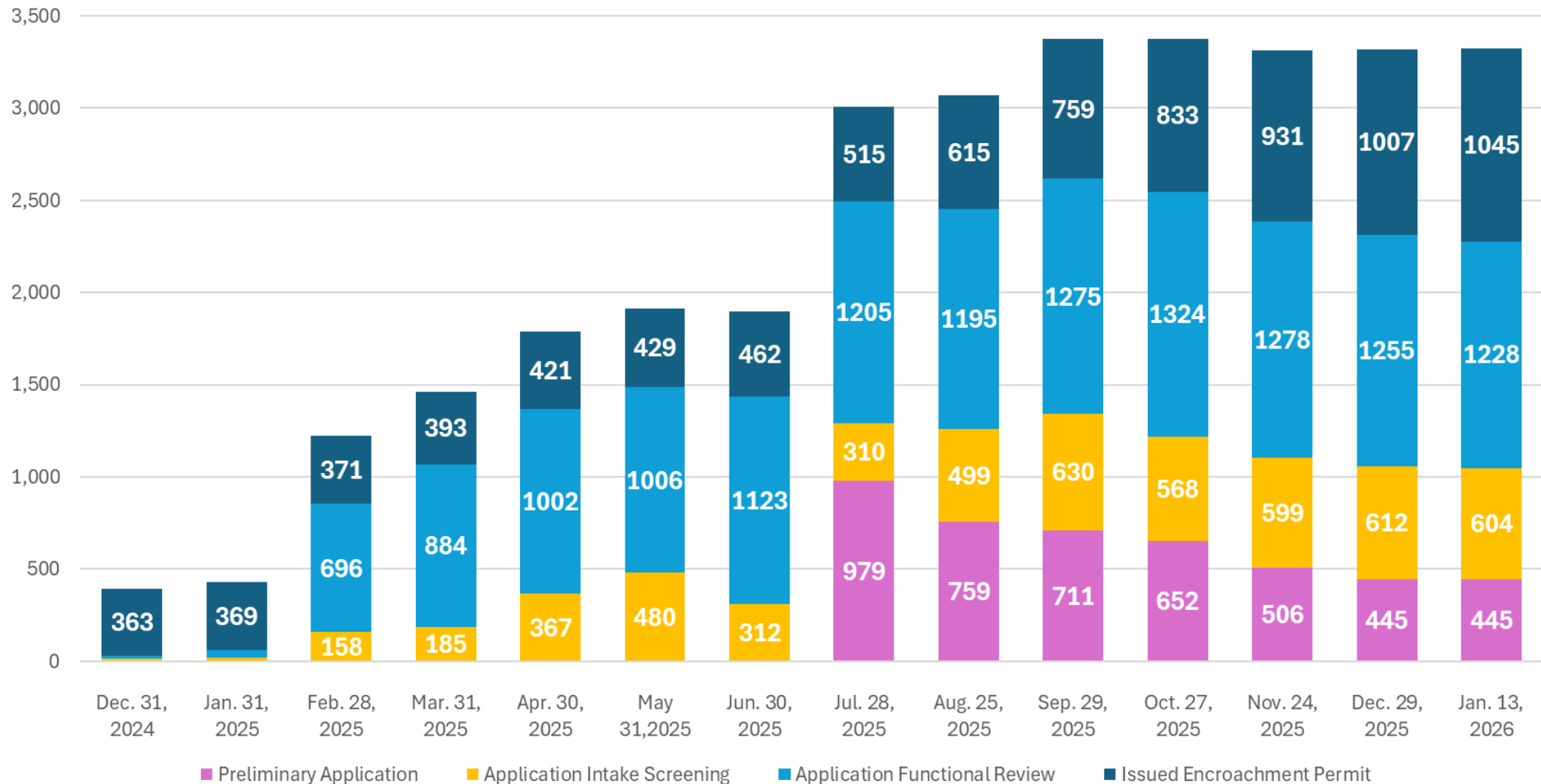
Note 2: Miles reported in the Caltrans Encroachment Permit System (CEPS) are different from the CDT estimate as CDT partners are refining project scope.



Partner Builds: Caltrans Encroachment Permits

MMBN Encroachment Permits Status

Encroachment Permit (Build Miles) by Month



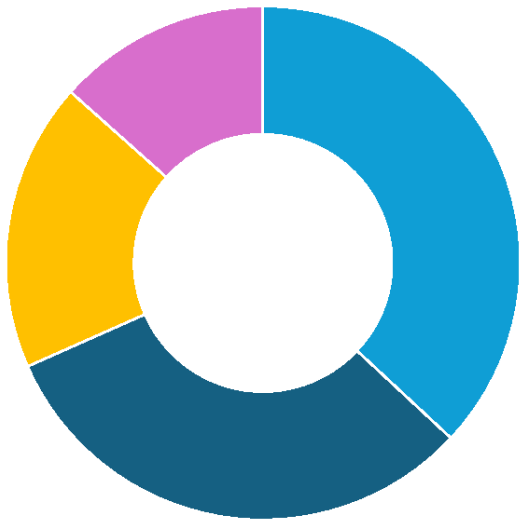


Partner Builds: Caltrans Encroachment Permits

Miles by Partner

■ Preliminary Application ■ Application Intake Screening ■ Application Functional Review ■ Issued Encroachment Permit

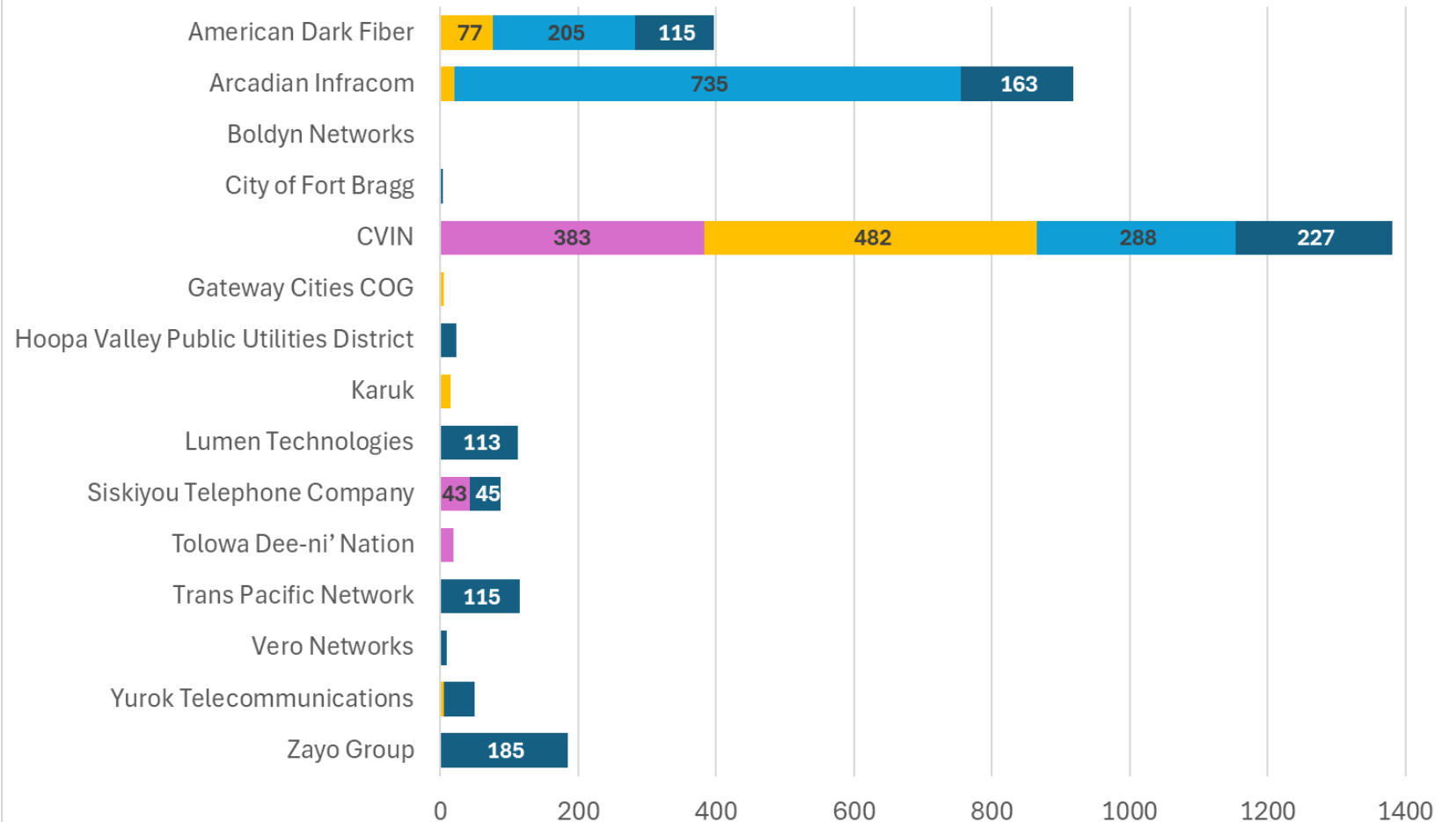
Permit by Mile



Status	Miles
Preliminary Application	445
App Intake Screening	604
App Functional Review	1,228
Issued Encroachment Permit	1,045
Total	3,322

* Total excludes Digital 395, which preceded MMBI

Miles by Partner & Status





Partner Builds: Caltrans Encroachment Permits

Application Count by Partner

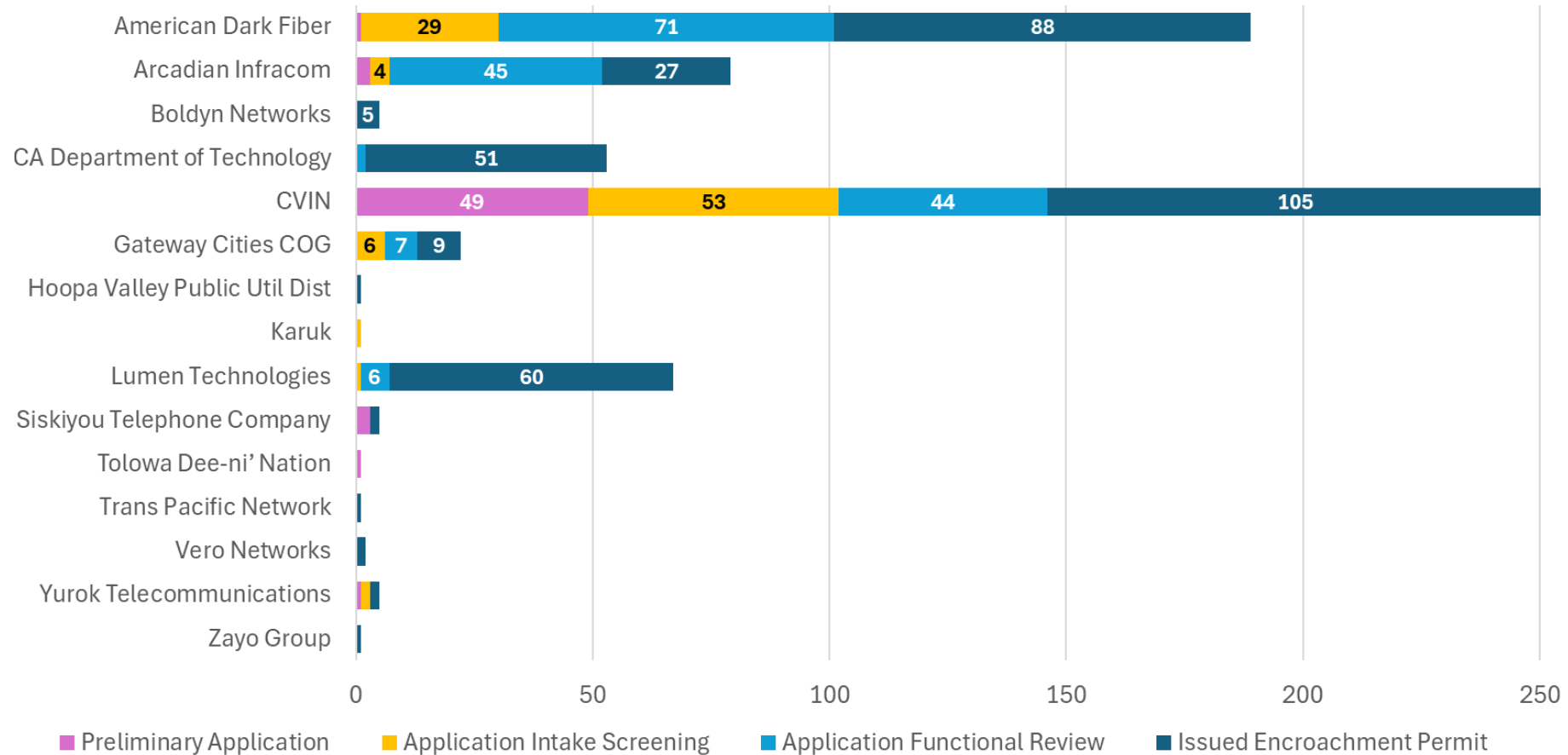
Permit Count by Status



- Preliminary Application (58)
- Application Intake Screening (96)
- Application Functional Review (175)
- Issued Encroachment Permit (354)

683 Total Permits

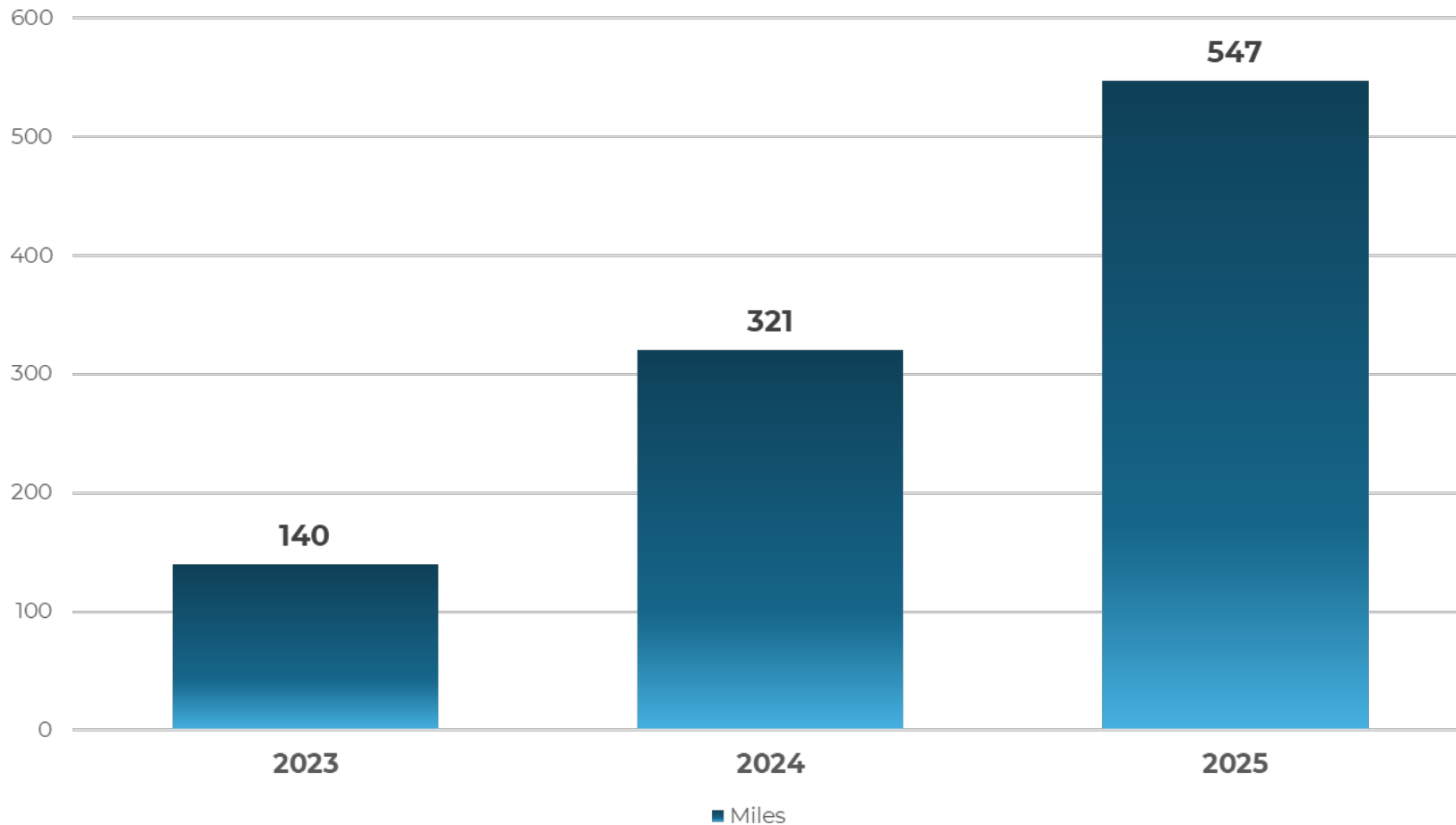
Partner Count by Partner & Status





MMBN Encroachment Permits Status

Encroachment Permits Issued by Year (2023 – 2025)





Erik Hunsinger

PRESIDENT & CHIEF OPERATING OFFICER

GoldenStateNet

Middle-Mile Broadband Initiative

TPA Responsibilities

Program Support

Operations & ADM Oversight: Weekly metrics, monthly reviews, quarterly business reviews

Huts Management

Staging/Warehousing/Sparing: Daily spare requests, inventory management

Sales

Business development, presales, sales, marketing

Future Growth

Network expansion

Non-Highway Design and Permitting

21 hubs:

- **Lease** negotiations are **90%** completed
- **Power** applications are submitted for 20 sites, with one site pending engineering site design approval.
- **60%** of sites have Air Quality approval.



MIDDLE-MILE BROADBAND INITIATIVE

Sustainability: Potential Contracts

Opportunity	Quoted Total Contract Value		
Bay Area to LA	\$ 6,857,275	North Central	\$ 1,280,000
Bay Area to LA	\$ 18,953,000	Bay Area to South along coast	\$ 4,044,600
Bay Area to Sacramento	\$ 2,673,200	Coastal Northern California	\$ 448,000
Bay Area to Sacramento	\$ 2,037,000	Northern California Ring	\$ 15,828,000
Segment on D395	\$ 680,000	Sacramento Region	\$ 778,000
Bay Area to Reno	\$ 5,807,000	Bay Area to Reno	\$ 40,500,000
North of California to LA & Bay Area (multiple routes)	\$ 19,138,000	LA to San Diego	\$ 3,380,000
North of California to Bay Area and Central Valley (multiple	\$ 21,224,000	North of California to Bay Area	\$ 16,000,000
Bay Area to LA	\$ 19,100,000	North California to SFO - SLO - LA	\$ 14,800,000
North of California to Central	\$ 17,048,200	Bay Area to LA	\$ 4,200,000
Bay Area to North California	\$ 8,644,150	Salton Sea Area	\$ 350,000
North of California to Central	\$ 1,164,000	Sacramento Region	\$ 5,200,000
Eastern California	\$ 26,257,800	Tahoe Region	\$ 920,000
Bay Area	\$ 1,204,000	North of California to Bay Area	\$ 51,200,000
		Tahoe Region	\$ 320,000
			\$ 310,036,225



Maria Ellis

Deputy Director, Broadband

California Public Utilities Commission

CPUC Last Mile Update

The MMBN is Transformational



Part of California's infrastructure innovation

- Benefits for decades of connectivity
- Keystone project of Broadband for All
- Foundation for statewide broadband work

Great benefits for all users

- Catalyst for rural economic development
- Reliable service where most needed
- Enabler of affordable broadband for end users

Enables new public entity users

- Empowered to serve their communities
- Community anchor institutions with new choices
- Investments in areas where most needed

CPUC Last Mile Summary

Broadband Programs & Investments Overview

	Broadband Equity Access and Deployment (BEAD)	California Advanced Services Fund (CASF)	Loan Loss Reserve Fund (LLR)	Last Mile Federal Funding Account (FFA)
Amount	~\$1.86 billion	\$136 million for 2025-26	\$50 million	~\$2 billion total thru Fiscal Year 27-28 ~\$550 million appropriations outstanding
Summary	Funds for planning, infrastructure and adoption starting in 2026	Funds broadband infrastructure and adoption in low-income housing, Tribal communities, and unserved areas	Provides collateral to local government, Tribes, and nonprofits to finance their own broadband Infrastructure	Funds for last-mile broadband infrastructure projects in every county
What's Next?	BEAD Final Proposal	Infrastructure, Line Extension, Tribal Tech Assistance, Adoption and Public Housing grant cycles	Awarded \$50 million	2nd Round Application Awards

CPUC BEAD Update

California BEAD Final Proposal



In June 2025, NTIA made substantial program changes

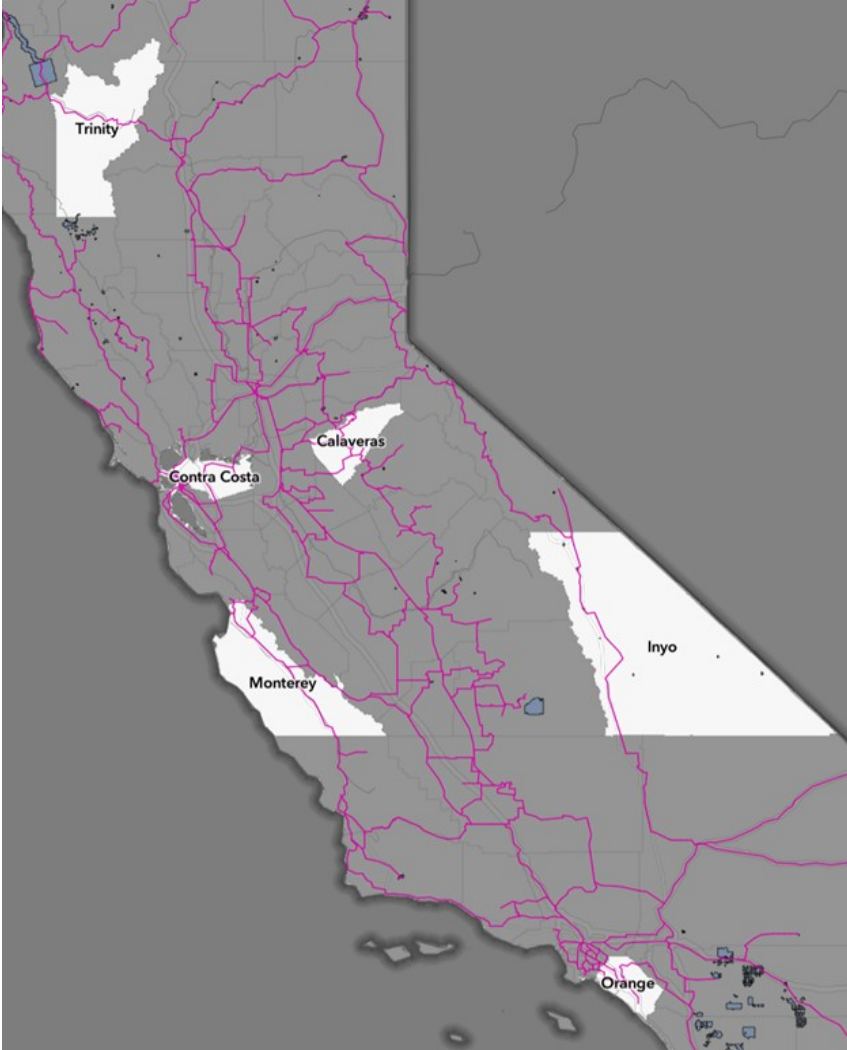
- Technology neutral, focus on low-cost solutions
- Required states to redo selection process
- Expedited timeline

CPUC obtained positive outcome

- Achieved 100% coverage for all BEAD-eligible locations
- Reached more locations than any other state (338K)
- Increased efficiency
- Maximized the state's allocation for deployment
- Priority projects maximized

CPUC Last Mile Update

Last Mile Federal Funding Account



Round 2: Limited Six-County Opportunity

- 72 applications from 21 entities requesting \$600 million in grant funding
- 5+ applications in all six counties without round 1 awards

Resolution T-17896

- Approved by the Commission, December 18, 2025
- Awards 5 grants for \$96 million in 3 counties: Calaveras, Orange, and Los Angeles
- Benefits 14,992 Californians and provides service to 4,587 unserved locations

Draft Resolution T-17900

- May be on the Commission agenda, January 15, 2026
- Awards 4 grants for \$21 million in 3 counties: Contra Costa, Inyo, and Monterey
- Benefits 64,296 Californians and provides service to 1,742 unserved locations

CPUC Last Mile Update

Last Mile Grantee Spotlight



City of Gustine in Merced County
Federal Funding Account

Total Award: **\$4,762,091**

Completed December 2025:

- **37 Miles** Buried Conduit and Fiber
- Central Office

Project Outcomes:

- **Conduit and Fiber to every Home, Business and Anchor Institution** in the City
- Benefitting ~**6,500 Californians**
- Oversize fiber cables by **25% for future growth**

PUBLIC COMMENTS

Sign up:
Broadband for All Newsletter



Next MMAC Meeting:
Friday, April 17th

MiddleMile@state.ca.gov

THANK YOU!

**Please join us at our next
MMAC Meeting**

**Friday, April 17, 2026
10:00 a.m. – 12:00 p.m.**

MiddleMile@state.ca.gov