



**BROADBAND
FOR ALL**

Middle-Mile Advisory Committee

November 18, 2022





AGENDA

- Welcome
- Executive Report
- Project Updates
- Public Comment

Mark Monroe

Deputy Director

**Middle-Mile Broadband Initiative
California Department of Technology**

Executive Report

Recap

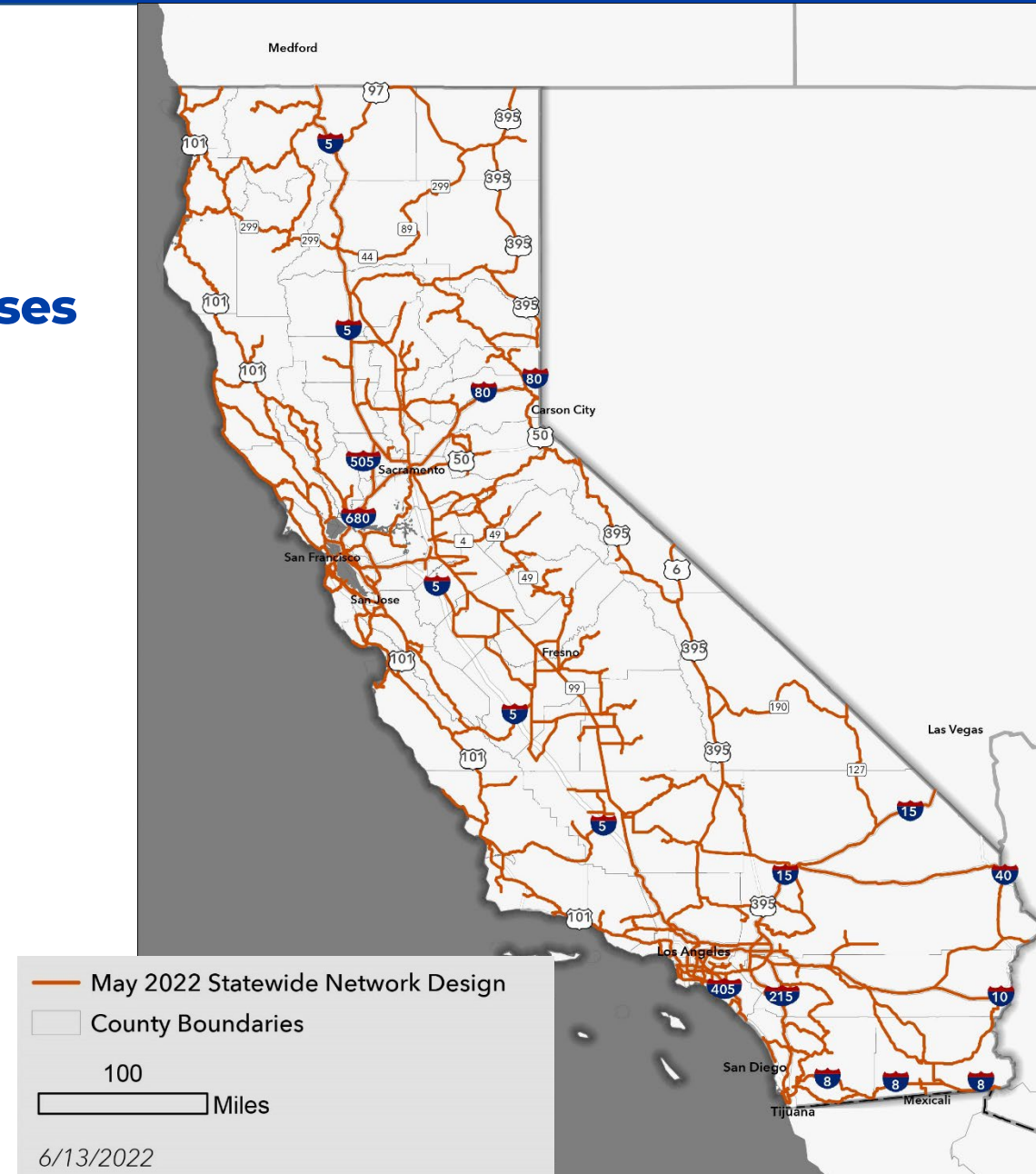
- Proceeding with execution phase
- Bids for construction contracts & IRU/leases

Updates

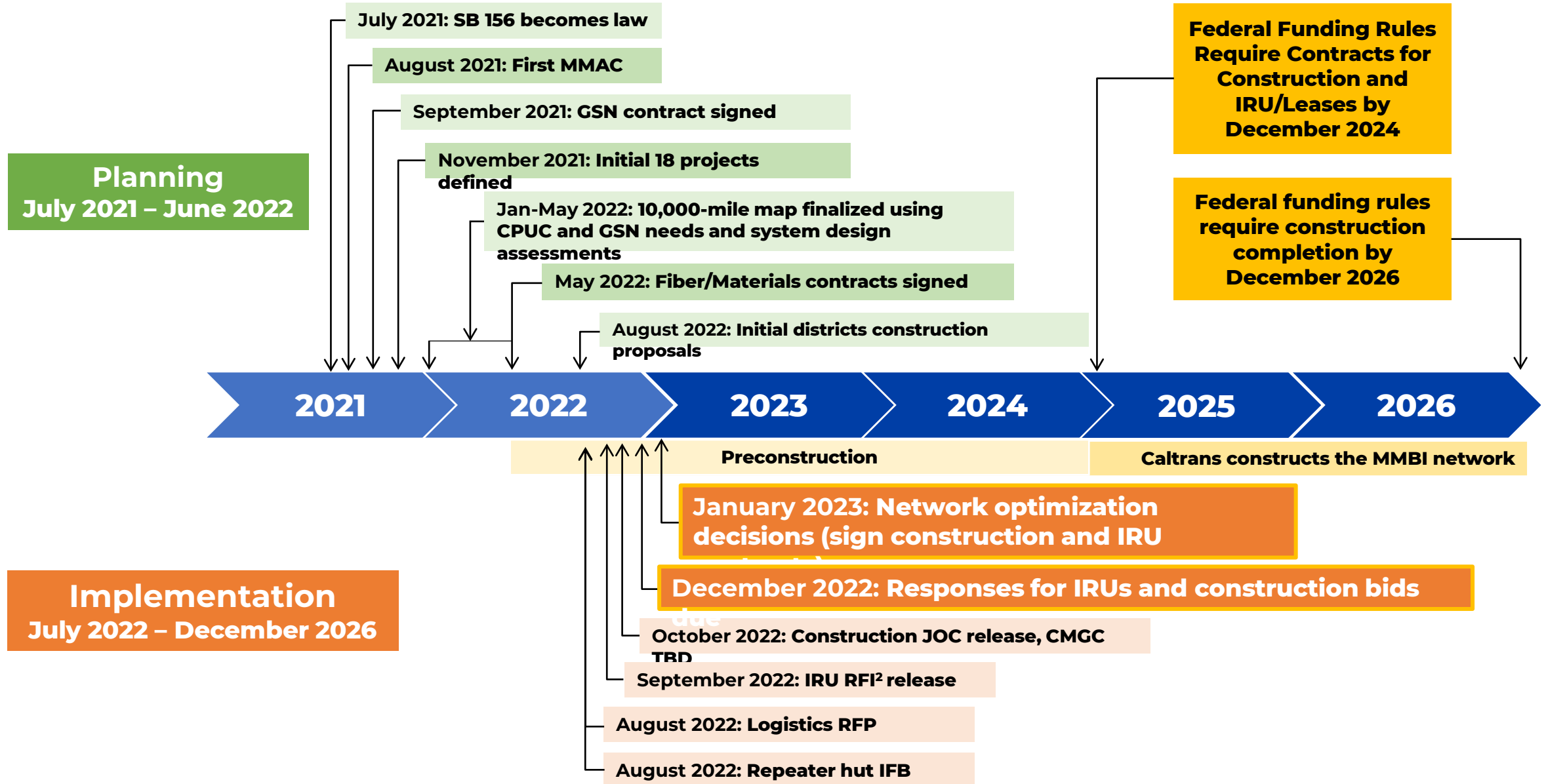
- Statewide – CDT
- Build Efforts – Caltrans
- Business Model & Market Plan – GoldenStateNet
- Last Mile Coordination – CPUC

Coming up

- Contract execution



CDT Project Recap



Full MMBI system advertised

- **Construction Contracts:**

- **7,095 miles of construction contracts out to bid**
- **Vendor outreach for SB/DVBE participation**

- **RFI2 – full system awaiting proposals from industry:**

- **IRU/leases**
- **Joint-Build**
- **Colocation facilities for electronics**

- **Towns**
- **CDT Statewide Network**
- ||| **Network JOC Segments**
- **Network CMGC Segments**

Last Updated 10/2022



Scott Adams

Deputy Director

Office of Broadband and Digital Literacy

California Department of Technology

Stakeholder Engagement Updates

Large Convenings

- **10/24 – Fall Broadband for All Summit and Digital Equity & BEAD Kickoff**
- **10/27 – California Economic Summit**
- **10/28 – Golden State Connect Authority Executive Committee**
- **11/8 – Caltrans Broadband Industry Meeting**

Meetings and Consultations

- **9/28 – City of Oakland**
- **10/31 – City of San Diego**
- **11/08 – Sonoma County**
- **11/08 – Tulare County Office of Education**



2022 Accomplishments

Planning

- **Map of existing infrastructure**
- **10,000-mile system level design map**

Construction

- **Progress on Initial 18 and “dig smart” projects**
- **Materials procurement contracts**
- **Initial market sounding**
- **Streamlined state permitting processes**
- **Conduit installation**
- **Construction contract bid solicitations**
- **IRU/lease, joint-build, and colocation bid solicitations**
- **Groundbreaking along SR 67 in San Diego**



Next Steps:

- **Federal land agency access**
- **Joint-build agreements rolling out**
- **Finalize logistics coordinator contract**
- **Procurement of active electronics**
- **Other system procurement contracts**
- **Bids for construction and facility leases**
- **System Optimization of network architecture**



Janice Benton

Division Chief

California Department of Transportation

More than 70% of the Network Advertised

How did we get here?

1. **Job Order Contracts**
 - **5,200 miles through 5 Regional JOCs**
2. **Construction Manager/General Contractor**
 - **1,895 miles advertised**



Dig Smart Miles

	November	October
Start in 2022	153	153
Start in 2023	283	286
Under Evaluation	184	197
Total	620	636

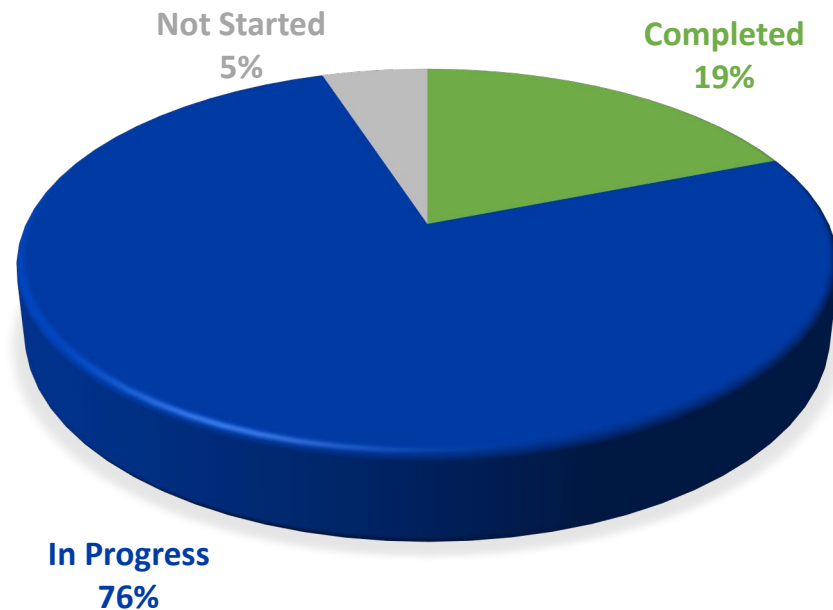
*Data as of 11 November 2022



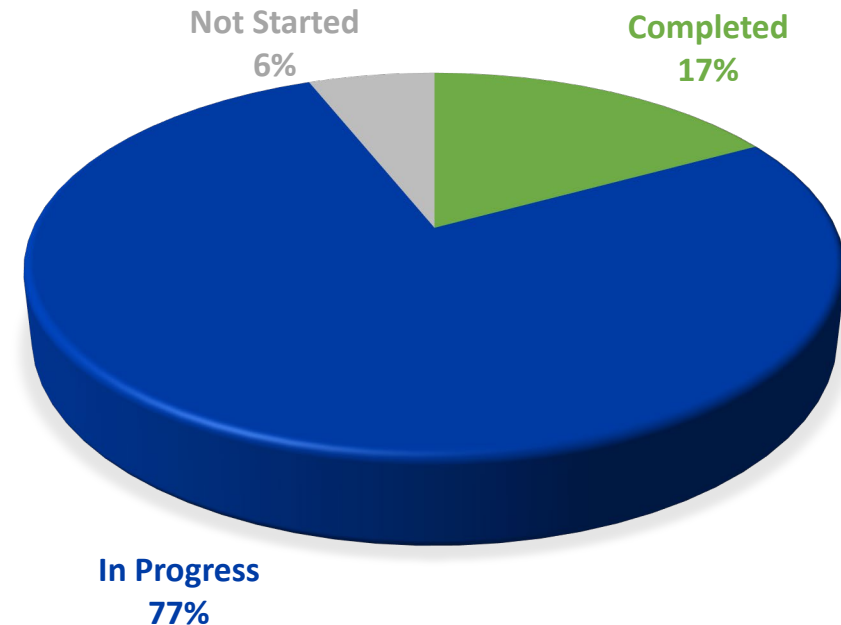
Significant Progress on Preconstruction

Environmental, Permitting and Design Progress

November 2022



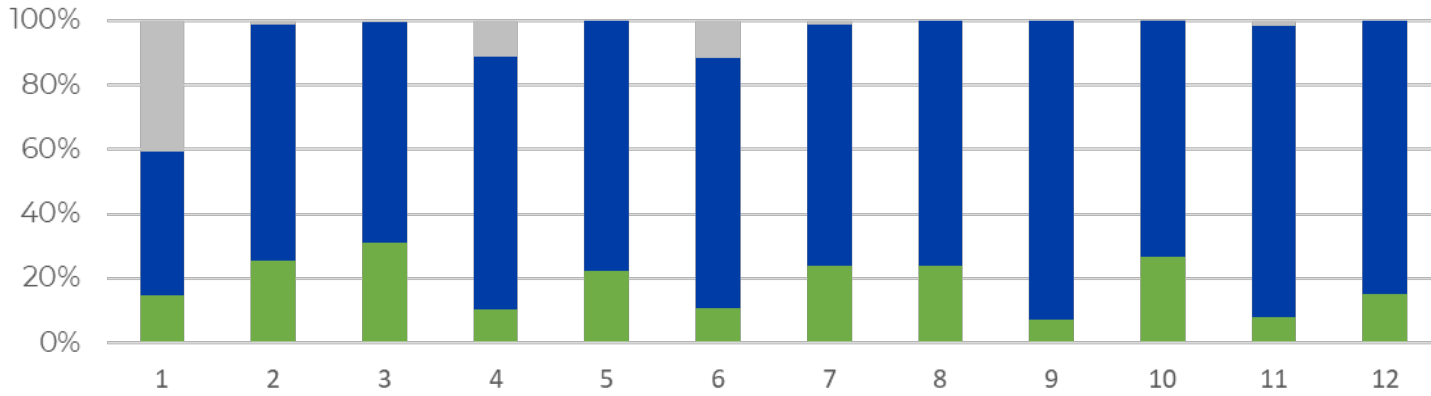
October 2022



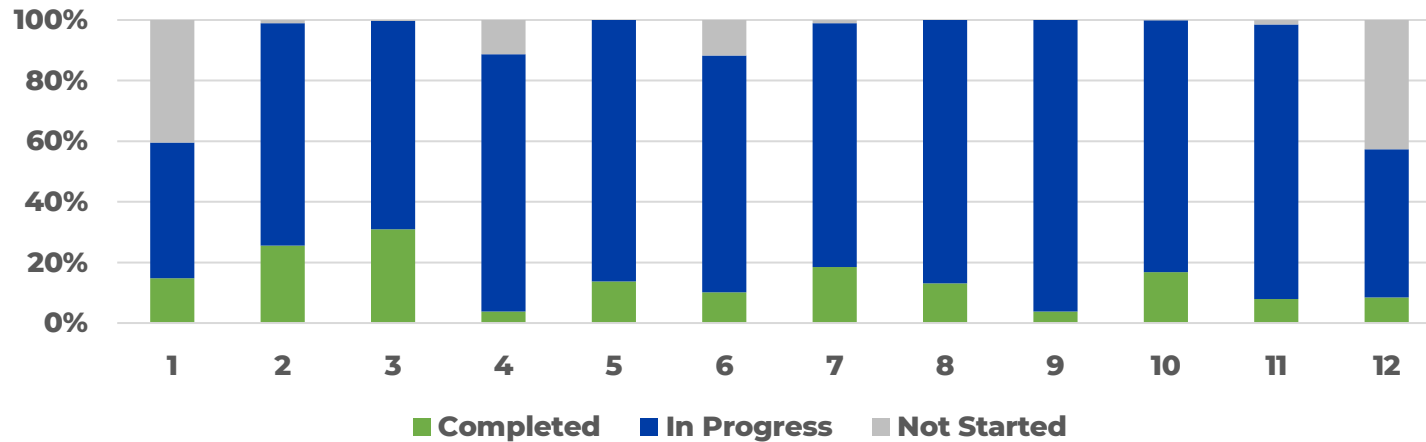
Project Delivery Updates

Preconstruction progress by Caltrans district.

November 2022

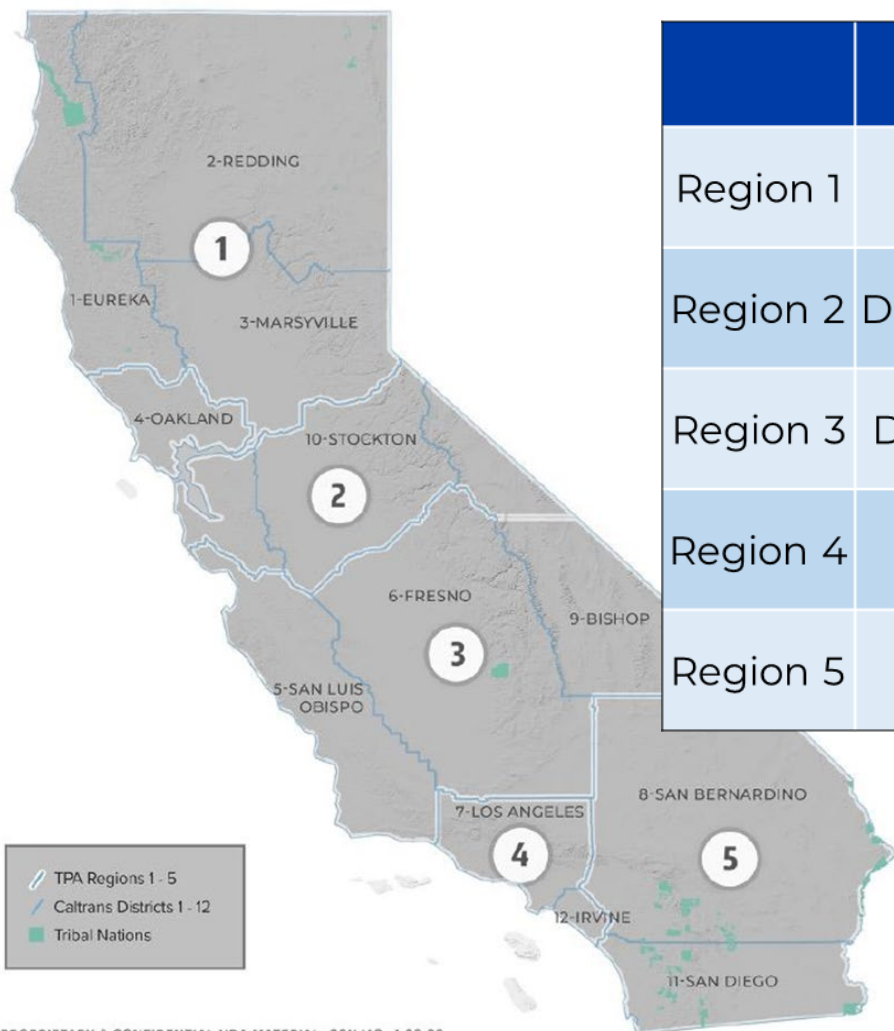


October 2022



*Data as of 11 November 2022

Currently Advertised Job Order Contracts



	Caltrans Districts	Mileage (approximate)	Contract Number	Bid Open Date
Region 1	Districts 1, 2, 3	1,800 miles	03A3522	29 December 2022
Region 2	Districts 4, 9 (portion), 10	1,360 miles	10A2480	27 December 2022
Region 3	Districts 5, 6, 9 (portion)	955 miles	06A2880	27 December 2022
Region 4	Districts 7, 12	800 miles	07A5518	27 December 2022
Region 5	Districts 8, 11	285 miles	08A3555	29 December 2022

TPA Regions 1 - 5
 Caltrans Districts 1 - 12
 Tribal Nations

Construction Manager/General Contractors

	Counties	Mileage <i>(approximate)</i>	Contract Number	Bid Open Date
District 5	Monterey, San Benito, Santa Cruz	268 miles	05CMGC2CM	1 December 2022
District 6	Fresno, Kern, Madera, Mariposa, Tulare	247 Miles	061F28CM	2 December 2022
District 11	San Diego	180 miles	114B02CM	7 December 2022
District 5	San Luis Obispo, Santa Barbara	208 Miles	05CMGC1CM	8 December 2022
District 11	Imperial	265 miles	114B01CM	14 December 2022
District 1	Del Norte, Humboldt, Lake	205 miles	TBD	TBD
District 2	Plumas, Siskiyou, Shasta, Tehama	240 miles	TBD	TBD
District 3	Butte, Colusa, El Dorado, Glenn, Nevada, Placer, Sacramento, Sutter, Tehama, Yolo, Yuba	640 miles	TBD	TBD
Region 2 (Districts 4, 9, 10)	District 4: Contra Costa, Napa, Santa Clara District 9: Kern, Inyo, Mono District 10: Alpine, Tuolumne, Mariposa	890 miles	TBD	TBD

Caltrans Project Look Ahead



Tony Naughtin

**President and Chief Operating Officer
GoldenStateNet**

MMBI business model work continues

- **Developing revenue modeling assumptions with iterative work on revenue projections**
- **Product descriptions for lit and dark service products**
- **Continuing to review and refine projected operating expenses for the network**



Developed foundational version of Go-to-Market Plan (“GTM”)

- **Product Management processes**
- **Marketing plan**
- **Sales plan and processes**
- **Staffing plan and execution timetable**
- **Iterative versions GTM plan to follow**



MMBI Infrastructure and Service Architecture work continues

- **Locations and development processes for huts**
- **GIS mapping work to reflect refined accuracy and small changes of network routes**
- **Ongoing editing and additions to System Layer Design and Program Plan Documentation**
- **Network Operations Center (NOC) and support processes**



Assist CDT with procurements

- **RFP for Fiber Management System in process**
- **Inventory Management System RFP will be next: evaluated marketplace options, recommended standards and specs**
- **Customer Relations Management (CRM), billing system, and others in 2023**
- **Active electronics refinements and procurement progress continues**



Jonathan Lakritz

Communications Division
California Public Utilities Commission

Local Agency Technical Assistance

\$50 Million for Local and Tribal Governments

- To facilitate last-mile broadband infrastructure projects
- Supporting local agency and Tribal efforts expanding broadband to families and communities lacking sufficient internet access

Eligibility

- Broad eligibility includes cities, counties, community service districts, municipal utilities districts, school districts, electrical cooperatives, sovereign tribal governments, and Joint Powers Authorities
- Eligible costs are for pre-construction deliverables, such as environmental permits, engineering studies, and strategic plans

Applications

- Approved 52 applications received during August and September windows for a total of \$23.8 million
- 32 applications requesting \$13.2 million are currently under review
- Applications are currently being accepted for the November window

County Map of Technical Assistance Applications



Loan Loss Reserve Program

Purpose

The broadband [Loan Loss Reserve Program](#) established by SB 156 helps finance the deployment of broadband infrastructure by public entities

Proposed Rules

Comments submitted on proposed program rules

- [Program Fact Sheet](#)
- **Nov. 8, 2022 Virtual Public Meeting**
- [Primer and Discussion of Comments](#)

CALIFORNIA BROADBAND LOAN LOSS RESERVE FUND *Supporting Public Broadband Networks in California*

WHAT IS THE CALIFORNIA BROADBAND LOAN LOSS RESERVE FUND?

The California Broadband Loan Loss Program is a new \$750 million fund. It will support local governments and nonprofits with the financing for building broadband infrastructure. Specifically, it will provide credit enhancements that will enable more favorable terms when they borrow money from bond markets and financial institutions.

HOW DOES THE LOAN LOSS PROGRAM WORK?

The Broadband Loan Loss Reserve Fund Program enables public broadband investment by encouraging lenders or investors to invest in the California broadband market by providing protection against a certain percentage of the lender's risk of loss in a given financial transaction.

By guaranteeing local agency bonds, pooling risks, and negotiating on behalf of all local agencies, the Loan Loss Program lowers borrowing costs for local agencies and provides investors with the certainty they need to invest in public broadband.

Requirements are being developed through California Public Utilities Commission Rulemaking (R.) 20-08-021 and a staff proposal will be released in the third quarter of 2022.

ELIGIBLE ENTITIES PER PUBLIC UTILITIES CODE 281.2

Non-Profits and Local Government Agencies, which includes:

- Counties
- County Service Areas
- Community Service Districts
- Public Utility Districts
- Municipal Utility Districts
- Joint Powers Authorities
- Local Educational Agencies
- Sovereign Tribal Governments
- Electrical Cooperatives

California Advanced Services Fund Broadband Grants

Broadband Adoption and Digital Equity

Grants to public entities and community-based organizations for digital literacy and broadband access projects

- On July 1, CPUC received 99 grant applications.
- 74 projects awarded \$5.9 million
- Action on remaining applications before December 31.

Consortia

Regional consortiums of public entities and community-based organizations to help deploy broadband infrastructure and service by assisting with broadband grant application development.

- On July 15, the CPUC received 15 applications requesting \$11.57 million
- Disposition in January 2023.

Public Housing and Low-Income Communities

Grants to build broadband networks offering free broadband service for residents of low-income communities including but not limited to, publicly supported housing developments, and housing or mobile home parks with low-income residents

- On July 1, CPUC received 19 project applications requesting \$1.4 million
- Disposition on December 1, 2022



California Advanced Services Fund Adoption Account Center for Elders' Independence digital literacy project grantee

2022 Broadband Investment Last-Mile Broadband Initiative Snapshot

	TECHNICAL ASSISTANCE	LOAN LOSS RESERVE FUND	FEDERAL FUNDING ACCOUNT	CALIFORNIA ADVANCED SERVICES FUND
Amount	\$50 million	\$750 million	\$2 billion	\$150 million/year
Summary	Assist local governments & Tribes to prepare for broadband infrastructure investments.	Enable local governments & nonprofits to secure financing for broadband infrastructure.	Fund last-mile broadband infrastructure projects in every county.	Assist with broadband infrastructure deployment & adoption in public housing, Tribes, & unserved areas.
Target	<u>Apply</u> monthly now	<u>Proposed Decision</u> to issue in Q1 2023	<u>Priority Areas</u> to be released before applications open	<u>Apply</u> in the next cycle for adoption, public housing, line extension, and consortia accounts

THANK YOU!



**BROADBAND
FOR ALL**