State Broadband Update
Southern California Association of Governments
Emerging Technologies Committee Meeting

August 25, 2022

AGENDA

• Broadband for All Action Plan Implementation Update
• Middle-Mile Broadband Initiative Update
• NTIA IIJA Broadband Program Update
Scott Adams
Deputy Director, Broadband and Digital Literacy
California Department of Technology

BB4ALL ACTION PLAN IMPLEMENTATION

Significant Progress on all 24 BB4ALL action items.

CDT LED ACTION ITEMS

• Action Item #6 – Enhance permitting at all levels of government
• Action Item #21 – Establish Broadband for All Portal
• Action Item #14 – Leverage Contracting and Procurement Vehicles
• Action Item #16 – Promote / Track Low-Cost Offers and Adoption Rates
• Action Item #18 – Network of Digital Inclusion Stakeholders
• Action Item #24 – State entities incorporate BB into Strategic Plans
### Action Item #6 – Enhance permitting at all levels of government

<table>
<thead>
<tr>
<th>Federal</th>
<th>• Federal Permit Improvement Steering Council</th>
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<tbody>
<tr>
<td>State</td>
<td>• Caltrans / Resources Agency Partners</td>
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<tr>
<td>Local</td>
<td>• Local Jurisdiction Broadband Deployment and Permitting Playbook</td>
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### Action Item #21 – Establish Broadband for All Portal

- [www.broadbandforall.cdt.ca.gov/](http://www.broadbandforall.cdt.ca.gov/)

**Features**
- Action Plan Tracker
- Funding Finder
- Low-cost service offers
- Affordable Connectivity Program Page
Action Item #14 – Leverage Contracting and Procurement Vehicles

HIGHLIGHTS

• Leveraged procurements and existing contracts for MMBI

NEXT STEPS

• Identify opportunities during State Digital Equity and BEAD planning efforts

Action Item #16 – Promote / Track Low-Cost Offers and Adoption Rates
Action Item #16 – Promote / Track Low-Cost Offers and Adoption Rates

In the News

More than 1.6 million California households enrolled in affordable broadband program, White House says - ABC7 Los Angeles

How to get free broadband in L.A. if you're a lower-income resident - Los Angeles Times (latimes.com)

Action Item #18 – Network of Digital Inclusion Stakeholders

Engaged with over 1,000 local and tribal governments, broadband consortia, metropolitan planning organizations, school, libraries, nonprofits, and internet service providers.

- Meetings and Consultations
- Broadband for All Roundtables
- External Meetings and Conferences
## Action Item #24 – State entities incorporate BB into Strategic Plans

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<thead>
<tr>
<th>Entity/Agency</th>
<th>Goals and Activities</th>
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<tr>
<td>Dept. of Corrections and Rehabilitation</td>
<td>Deploying broadband to prisons in support of rehabilitative efforts for incarcerated persons.</td>
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<tr>
<td>Labor and Workforce Development Agency</td>
<td>Workforce Literacy program will include digital literacy.</td>
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<tr>
<td>Dept. of Parks and Recreation</td>
<td>Expanding connectivity and services to rural parks with connectivity challenges.</td>
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<tr>
<td>Dept. of Food and Agriculture</td>
<td>Surveying Network of California Fairs to learn about broadband capabilities and deficiencies</td>
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<tr>
<td>Dept. of Motor Vehicles</td>
<td>Expanding services available online, including senior services via voice assisted online channel.</td>
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**Mark Monroe**  
Deputy Director, Broadband Middle-Mile Initiative  
California Department of Technology
Review of Middle Mile Broadband Initiative (MMBI):

• $3.8 billion of primarily federal funding.
• Contracts must be signed by December 2024.
• Network must be completed by December 2026.

Roles:

• CDT oversees project.
• CPUC identifies unserved and underserved communities.
• GSN develops network design.
• Caltrans constructs along state highways.
• Leases will be used to complete the network.

Recap of MMBI Progress

• In May 2022:
  • Fiber contract awarded (Supplies ready for use starting January 2023)
  • Statewide 10,000-mile MMBI network map

• In June 2022, transition to execution phase:
  • Caltrans continues build efforts
    • Preconstruction/permitting streamlining
    • Initial construction contracts proposed by districts
    • Development of broader, systemwide construction contracting approaches.
  • GSN developing core network backbone

• In July/August:
  • Permitting Summits (Streamlining processes & resources)
  • Contractor forums (Alternative contracting methods)
Caltrans constructs the MMBI network

**Preconstruction**

- **2021**
  - Planning
  - July 2021 – June 2022
  - SB 156 becomes law
  - First MMAC
  - Initial 18 projects defined
  - GSN contract signed
  - 10,000-mile map finalized using CPUC and GSN needs and system design assessments
  - Fiber/Materials contracts signed
  - Initial districts construction proposals

- **2022**
  - Logistics Contract
  - Bid in August
  - Receive bids by September 2022
  - Work with construction contractors and suppliers
  - Plan for storage and/or direct delivery
  - Timing and location of materials delivery consistent with ongoing MMBI construction

  - Construction Contracts
  - Bid in September
  - Receive bids by December 2022
  - Estimated dozen large contracts
  - Get bids on more than 75 percent of the overall network
  - Inform updated cost model
  - Allow earlier decisions regarding optimizing the network relative to available funding.

- **2023**
  - Implementation
  - July 2022 – December 2026
  - May provide for earlier connections for last mile providers

- **2024**
- **2025**
- **2026**

**Federal Funding Rules Require Contracts for Construction and IRU/Leases by December 2024**

**Federal funding rules require construction completion by December 2026**

- **2021**
- **2022**
- **2023**
- **2024**
- **2025**
- **2026**

**Logistics Contract**

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**Construction Contracts**

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**Lease (IRU) Contract**

- Bid in September
  - Receive bids by December 2022
  - Market research on what existing infrastructure the private sector will make available, and at what price
  - Comparison between building and leasing to optimize the entire network
  - Informs updated cost model
  - Allows earlier decisions regarding optimizing the network relative to available funding.
  - May provide for earlier connections for last mile providers
Project Delivery Update

• Over 2,000 miles of projects proposed, construction by early 2023.

• On-going efforts to streamline permitting and right-of-way/use agreement.

• Status of Initial 18:
  • 3 project segments moving to construction.
  • Remaining segments in planning and preconstruction/permitting process.
  • Supporting IRU/leases being explored.

More Resources Helping to Streamline Processing Timelines

- CEQA - California Environmental Quality Act (underground)
- CEQA - California Environmental Quality Act (above ground)
- State Historic Preservation Office (adverse effects)
- State Historic Preservation Office (No adverse effects)
- California Department of Fish and Wildlife
- State Water Resource Control Board/Regional Water Quality Boards
- California Coastal Act – Coastal Development Permit
- State Fire Marshal
- Fire Marshal is only required for huts

- SHPO with adverse effects (expected to occur 8% of the time)
- SHPO without adverse effects
- With SB 156 and NEPA delegation there is a 13-month reduction in the average permitting time.
- With the enhanced resourcing provided to the agencies an additional reduction of 1 month can be realized
- Without NEPA Assignment (expected to occur 30% of the time)
- With NEPA Assignment
Project Delivery – Update

Preconstruction status on entire 10,000-mile MMBI network provided in May

- CDT submitted Digital Equity Planning Grant application
- CPUC submitted Broadband, Equity, Access and Deployment (BEAD) Letter of Intent
- Both will lead respective planning efforts and coordinate
- Will ask that you participate in this process
- Once completed and approved by NTIA, will unlock billions of federal dollars to support state BB4All efforts
THANK YOU!