AGENDA

City/County Manager's Technical Advisory Committee

Thursday, September 7, 2023

10:00 AM

LOCATION:

San Bernardino County Transportation Authority
First Floor Lobby Board Room
1170 W. 3rd Street, San Bernardino, CA 92410

TELECONFERENCE LOCATIONS:

Needles City Administration & Utility Office
817 3rd Street, Needles, CA 92363

Call to Order

Attendance

Administrative Matters

1. **Discuss the City County Manager's Technical Advisory Committee Meeting Schedule – Otis Greer, SBCTA**

   Discuss the final City County Manager's Technical Advisory Committee meeting schedule and provide direction as appropriate.

Council of Governments

2. **Smart County Master Plan Early Action Update – Monique Arellano, SBCOG**

   Receive an update on the Early Action Plan and look at the next steps.

   Attachment No. 1: Pg. 5

3. **Legislative Update – Laura Morales, League of California Cities**

   Receive a general legislative update.

Transportation

4. **Express Lanes Program Update – Tim Byrne, SBCTA**

   Receive an update on the status of the San Bernardino County Transportation Authority Express Lanes Program.

1170 W. 3rd Street, 2nd Floor
San Bernardino, CA 92410-1715

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909.884.8276 Phone
909.885.4407 Fax

Public Comment

Brief Comments from the General Public

ADJOURNMENT

The next meeting of the City/County Manager's Technical Advisory Committee is scheduled
for **November 2, 2023.**

Meeting Procedures and Rules of Conduct

Meeting Procedures - The Ralph M. Brown Act is the state law which guarantees the public's right to attend and participate in meetings of local legislative bodies. These rules have been adopted by the Board of Directors in accordance with the Brown Act, Government Code 54950 et seq., and shall apply at all meetings of the Board of Directors and Policy Committees.

Accessibility - The meeting facility is accessible to persons with disabilities. If assistive listening devices or other auxiliary aids or services are needed in order to participate in the public meeting, requests should be made through the Clerk of the Board at least three (3) business days prior to the Board meeting. The Clerk can be reached by phone at (909) 884-8276 or via email at clerkoftheboard@gosbcta.com and office is located at 1170 W. 3rd Street, 2nd Floor, San Bernardino, CA.

Agendas – All agendas are posted at www.gosbcta.com/board/meetings-agendas/ at least 72 hours in advance of the meeting. Staff reports related to agenda items may be reviewed online at that web address. Agendas are also posted at 1170 W. 3rd Street, 1st Floor, San Bernardino at least 72 hours in advance of the meeting.

Agenda Actions – Items listed on both the "Consent Calendar" and "Discussion" contain recommended actions. The Board of Directors will generally consider items in the order listed on the agenda. However, items may be considered in any order. New agenda items can be added and action taken as provided in the Ralph M. Brown Act Government Code Sec. 54954.2(b).

Closed Session Agenda Items – Consideration of closed session items excludes members of the public. These items include issues related to personnel, pending litigation, labor negotiations and real estate negotiations. Prior to each closed session, the President of the Board or Committee Chair ("President") will announce the subject matter of the closed session. If reportable action is taken in closed session, the President shall report the action to the public at the conclusion of the closed session.

Public Testimony on an Item – Members of the public are afforded an opportunity to speak on any listed item, except Board agenda items that were previously considered at a Policy Committee meeting where there was an opportunity for public comment. Individuals in attendance at SBCTA who desire to speak on an item may complete and turn in a "Request to Speak" form, specifying each item an individual wishes to speak on. Individuals may also indicate their desire to speak on an agenda item when the President asks for public comment. When recognized by the President, speakers should be prepared to step forward and announce their name for the record. In the interest of facilitating the business of the Board, speakers are limited to three (3) minutes on each item. Additionally, a twelve (12) minute limitation is established for the total amount of time any one individual may address the Board at any one meeting. The President or a majority of the Board may establish a different time limit as appropriate, and parties to agenda items shall not be subject to the time limitations. Any individual who wishes to share written information with the Board may provide copies to the Clerk of the Board for distribution.. Information provided as public testimony is not read into the record by the Clerk.

Consent Calendar items can be pulled at Board member request and will be brought up individually at the specified time in the agenda. Any consent item that is pulled for discussion shall be treated as a discussion item, allowing further public comment on those items.

Agenda Times – The Board is concerned that discussion take place in a timely and efficient manner. Agendas may be prepared with estimated times for categorical areas and certain topics

to be discussed. These times may vary according to the length of presentation and amount of resulting discussion on agenda items.

Public Comment – At the end of the agenda, an opportunity is also provided for members of the public to speak on any subject within the Board's jurisdiction. Matters raised under "Public Comment" will not be acted upon at that meeting. See, "Public Testimony on an Item," above.

Disruptive or Prohibited Conduct – If any meeting of the Board is willfully disrupted by a person or by a group of persons so as to render the orderly conduct of the meeting impossible, the President may recess the meeting or order the person, group or groups of person willfully disrupting the meeting to leave the meeting or to be removed from the meeting. Disruptive or prohibited conduct includes without limitation addressing the Board without first being recognized, not addressing the subject before the Board, repetitiously addressing the same subject, failing to relinquish the podium when requested to do so, bringing into the meeting any type of object that could be used as a weapon, including without limitation sticks affixed to signs, or otherwise preventing the Board from conducting its meeting in an orderly manner.

Your cooperation is appreciated!

San Bernardino Smart County Early Action Plan

Monique Arellano
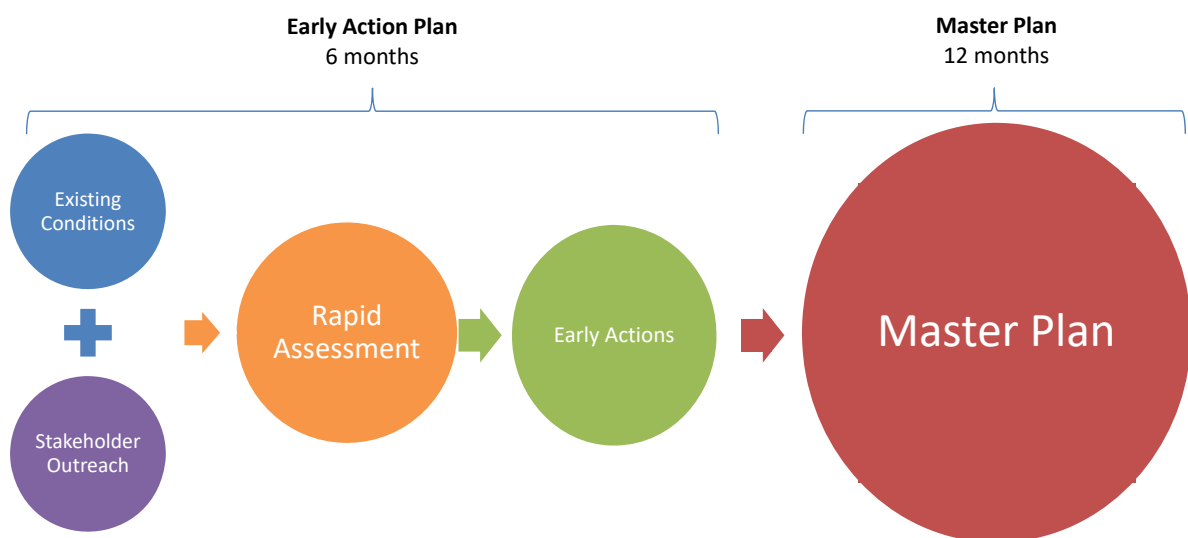**Council of Governments and Equity Programs Manager**

- Emerging Tech Ad Hoc

- Began January 2023

- Funded for $1 Million by County of SB

- Includes Early Action Plan and Full Master Plan

- 18 Month Process

- Early Action Plan Available for Review

Project Background

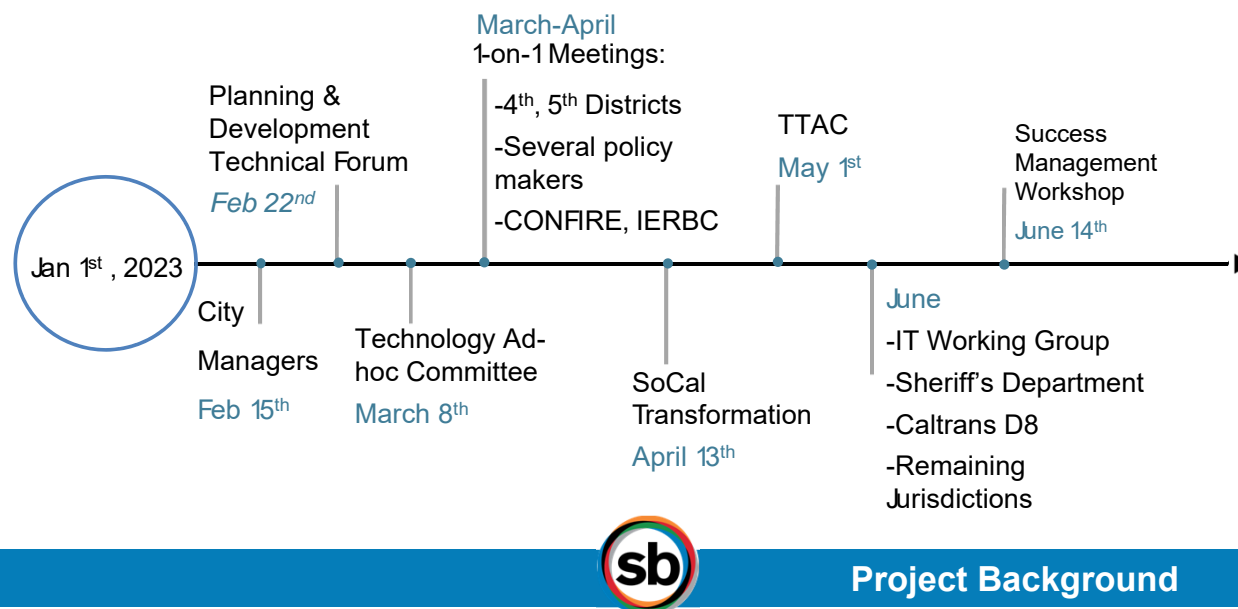## Emerging Tech Ad Hoc Committee

- Art Bishop, Apple Valley
- Curt Hagman, 4th District
- Acquanetta Warren, Fontana
- Dennis Michael, Rancho Cucamonga
- John Dutrey, Montclair
- Frank Navarro, Colton
- Helen Tran, San Bernardino

Early Action Plan
6 months

Master Plan
12 months

Existing Conditions

Stakeholder Outreach

Rapid Assessment

Early Actions

Master Plan

Project Background

Stakeholder Outreach

March-April
1-on-1 Meetings:

-4th, 5th Districts

-Several policy makers

-CONFIRE, IERBC

Planning & Development Technical Forum
Feb 22nd

TTAC
May 1st

Success Management Workshop
June 14th

Jan 1st , 2023

City Managers
Feb 15th

Technology Ad-hoc Committee
March 8th

SoCal Transformation
April 13th

June
-IT Working Group
-Sheriff's Department
-Caltrans D8
-Remaining Jurisdictions

Project Background

Stakeholder Feedback
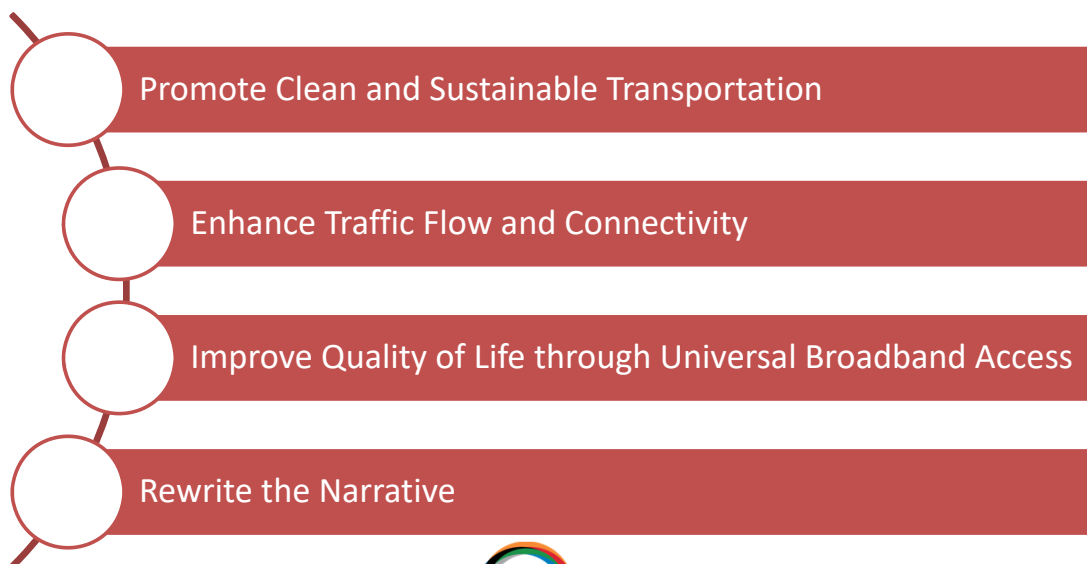
- Equity/Connectivity
    - **Equitable broadband access:** affordable and reliable high-speed internet access for all communities
    - **Focus on Disadvantaged and Underserved communities:** prioritize resources and initiatives to bridge the digital divide

- Transportation
    - **Traffic Signal Synchronization**: coordination with trucking schedules and across jurisdictions
    - **Traveler information**: providing consistent and real-time communications during disasters and adverse weather conditions across jurisdictions
    - **Data sharing across the region**: establishing secure and efficient mechanisms to share data

- Public Safety
    - **Homelessness and vandalism:** strategies to address homelessness and mitigate vandalism
    - **License Plate Readers (LPRs):** vehicle tracking, crime prevention and suspect identification
    - **CAD-to-CAD:** improve emergency response coordination
    - **Information sharing among agencies:** collaboration and data sharing between law enforcement, emergency services and public safety agencies

Stakeholder outreach was key to understanding existing agency operations, capabilities, and needs.

Goals of the Plan

- Promote Clean and Sustainable Transportation
- Enhance Traffic Flow and Connectivity
- Improve Quality of Life through Universal Broadband Access
- Rewrite the Narrative

Early Action Plan Proposed Projects

Project	Need	Description	Benefits	Challenges	Initial Sub-Region
Broadband and Last Mile Connections	Equity/ Connectivity	Build upon the State-Middle Mile Broadband initiative to bridge the gap with local networks	Equitable access to broadband for disadvantaged communities	• Geographical/ topographical differences • Stakeholder coordination	• High Desert • Disadvantaged Communities of the Valley
Smart Corridor Pilots	Transportation/ Public Safety	Dynamic signal control and customized amenities for each corridor/subregion	Increased safety and transportation system reliability	• Integration/interoperability • Data management & privacy • Variety of adoption needs	• West Valley • East Valley • Victor Valley
Smart Intersection / License Plate Reader	Transportation/ Public Safety	• Customized amenities for each location • Implementation of LPRs to analyze license plate information in real-time	• Increased safety and transportation system reliability • Enhanced traffic management and crime prevention	• Data privacy/protection • Variety of adoption needs • Data management, privacy, and analysis	Consider for all
CAD-to-CAD	Public Safety	Enable disparate systems to communicate with each other	Facilitate law enforcement/dispatch	• Stakeholder coordination • System integration • User adoption	Consider for all
ATIS and EMS	Public Safety	Integrate technology, including ATIS into EMS.	Enhance the efficiency of managing emergencies and improve traveler safety.	• Data Sharing • Coordination of multiple agencies	Consider for all
Zero Emission Passenger Vehicles and Trucks	Transportation	Secure funding for charging and fueling infrastructure for zero-emission passenger vehicles	Existing condition is not sufficient ot support the volume of electric vehicles anticipated.	• Strategize with all jurisdictions, air districts, and vendors • Identify priority sites	Consider for all

Broadband and Last Mile Connections

Source: State of California Middle-Mile Broadband Initiative

Broadband and Last Mile Connections

- Selection criteria for last mile broadband access improvements:
  - Census tracts with over 1,000 households and where more than 10% lower-income households currently lack broadband access

SHOPP Project Lines

Lower Income Households Without Broadband Access

Priority Middle Mile Fiber
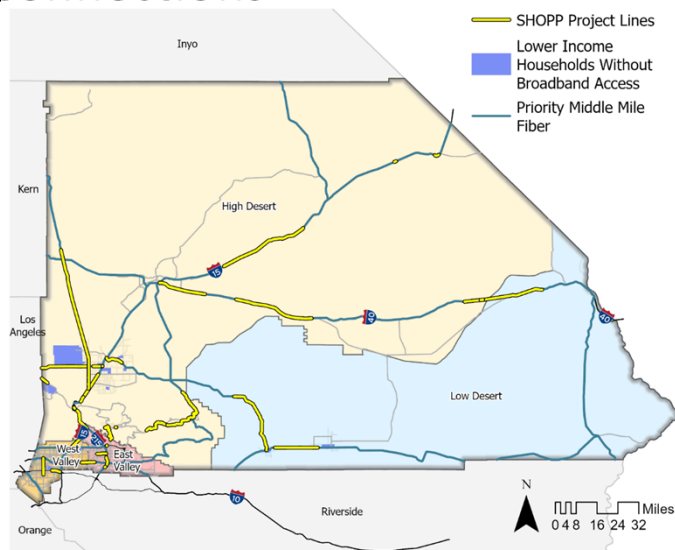
Source: ACS 2019, Middle-Mile Initiative, SCAG

Broadband and Last Mile Connections – East Valley (Grand Terrace)

MiddleMile
Fiber on I215

Grand Terrace / 1016 liHH /
102wo Broadband
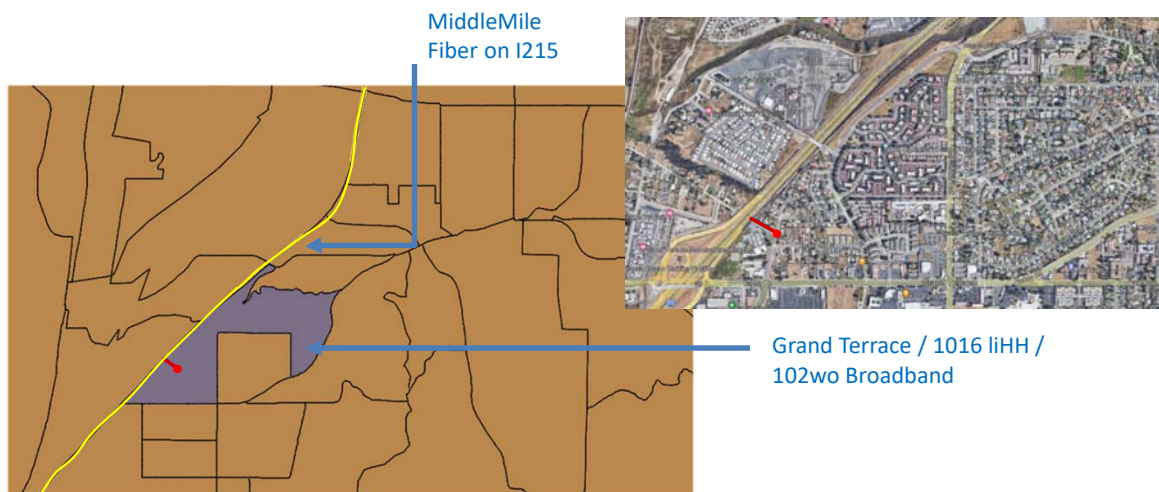
Broadband and Last Mile Connections – Low Desert

- Morongo Basin
  – Yucca Valley and Twentynine Palms

MiddleMile Fiber on SR 62

MiddleMile Fiber on SR 247

Yucca Valley / 1140 liHH / 131wo
Broadband

Twenty Nine Palms / 3169
liHH / 475wo Broadband
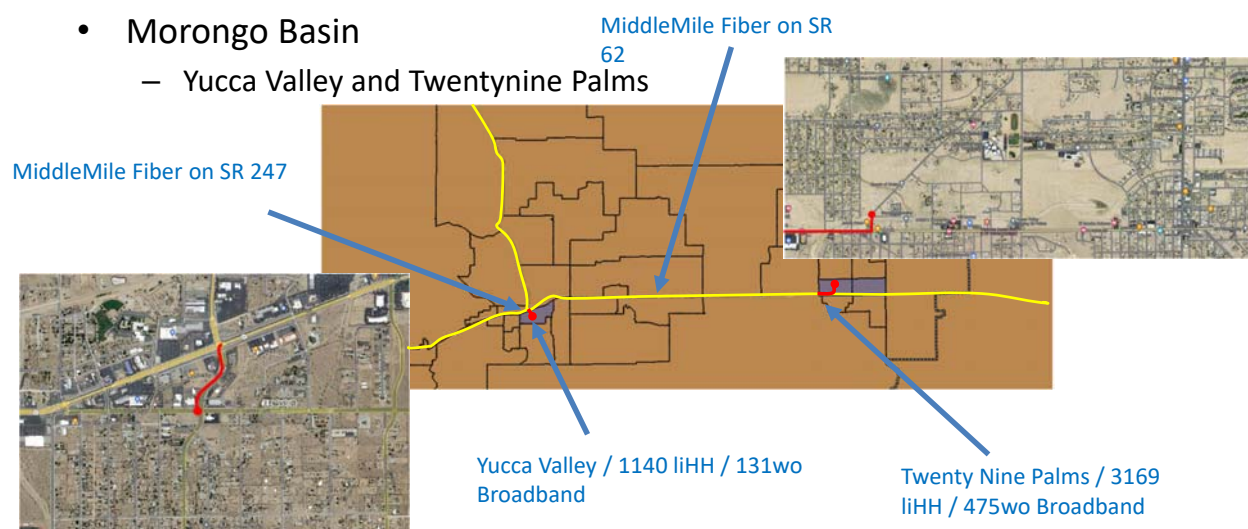
Smart Intersections

- ▸ Smart Intersections are the building blocks of a Smart County
- ▸ Beyond serving key functions like lighting and dynamic signal control across corridors, they provide the opportunity to bring in comms and layer on customized amenities for each corridor/region, including:
    - ▸ Public / Agency Wi-Fi
    - ▸ Weather / Air Quality Emissions Sensors
    - ▸ EV Charging
    - ▸ Speed Indicators
    - ▸ CCTV / Safety Systems / Vehicle Detectors
    - ▸ Smart Metering
    - ▸ Off-pavement Parking Management
    - ▸ Curb Management Sensor
    - ▸ Connected Vehicle RSU
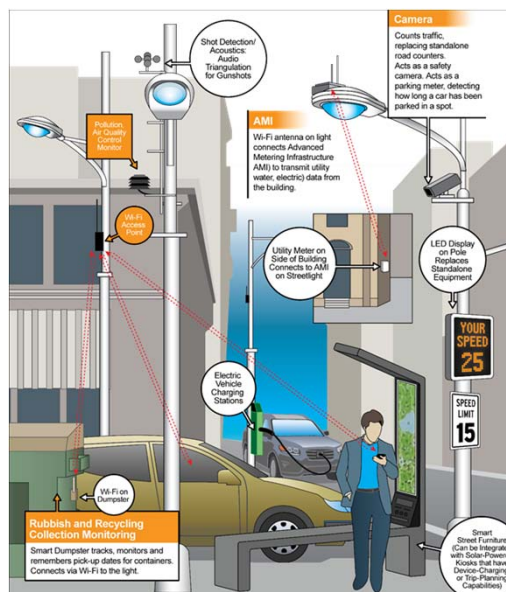
Smart Intersections – Valley

Smart Intersections - Desert
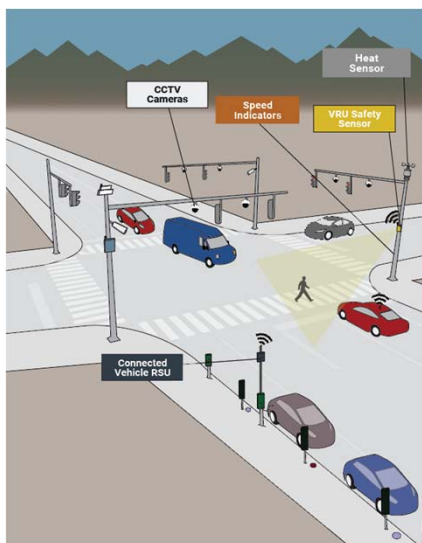
Low Desert
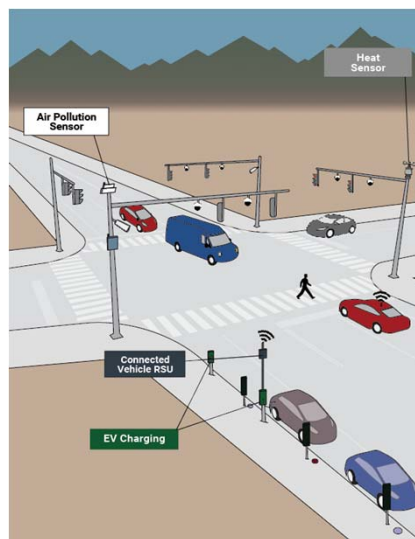
High Desert

Smart Corridor Pilot Projects

West Valley
- South Archibald Avenue

East Valley
- Alabama St./ San Bernardino Ave.

High Desert
- Bear Valley Rd.

Advanced Traveler Information Systems and Emergency Management Services

ATIS + EMS = Effective Management of Emergencies and Traveler Safety

Cad-to-Cad Systems

Multiple Cad Systems → Existing IE PSOP → Integrated Regional CAD

- Fire: Barstow, USFS, Military Bases
- Law: SB Sheriff, CHP, Local PD, School and College Campuses
- EMS: Private transport providers
- Utilities: Gas and Electric
- Hospitals: Emergency Departments
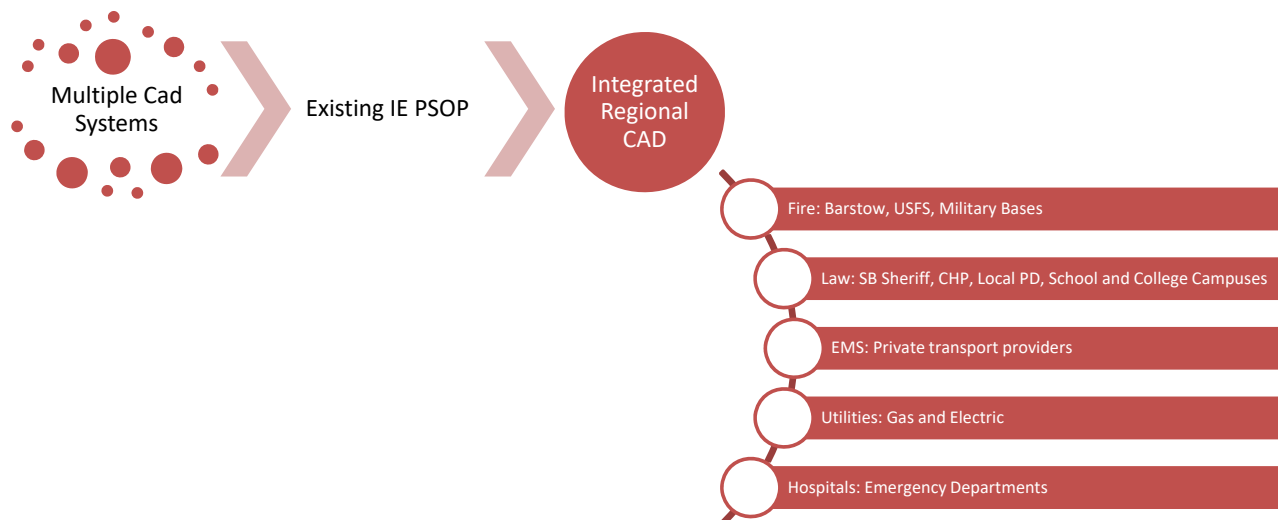
Zero-Emission Passenger Vehicles and Trucks

State Policy and Funding
- Executive Order N-79-20
- CARB Advanced Clean Truck

Existing Foundation for Regional Approach
- Zero-Emission Vehicle Readiness and Implementation Plan, 2019

Alternative Fuel Types
- Electric
- Hydrogen

Broadband and Last Mile Connections

California Advanced Services Fund Broadband Infrastructure Grant Account ($150M annually)
- Annual Grant Proposal Deadline: June 1, 2023
- Up to 100% assistance – location and population criteria applies
- Applicants: Companies, Governments
- Eligible Areas: Unserved areas
- Eligible Costs: Infrastructure; 5 year leases and Upgrades for interconnection
- Administrative expenses capped at 15% of grant

CPUC Federal Funding Account ($2B by 2027)
- Opens Summer 2023
- Location and population criteria applies
- Must be built by 2027
- Applicants/ Entities: Companies, Governments, & more
- Eligible Areas: Underserved Households and Businesses
- Eligible Costs: Infrastructure; 5 year leases and Upgrades for interconnection
- March 3, 2021 - December 31, 2024
- Administrative expenses capped at 2% of the grant
- Contingency max of 15% infrastructure

US Dept of Commerce - NTIA
- Digital Equity Act Programs ($2.75B)
- Opens Late 2023/ Early 2024
- $1.44 billion State Digital Equity Capacity Grant Program
- $1.25 billion Digital Equity Competitive Grant Program
- Program Details TBD

Additional Grant Opportunities

CARB
California Climate Investments

- Many potential programs within the investments
- Billions in Clean Transportation funding
- Reducing greenhouse gas (GHG) emissions, strengthening the economy, improving public health and the environment
- Providing meaningful benefits to the most disadvantaged communities, low-income communities, and low-income households. (mapped on Slide 19)
- Website: Low Carbon Transportation Investments and AQIP Grant Solicitations

SB 535 Disadvantaged Communities
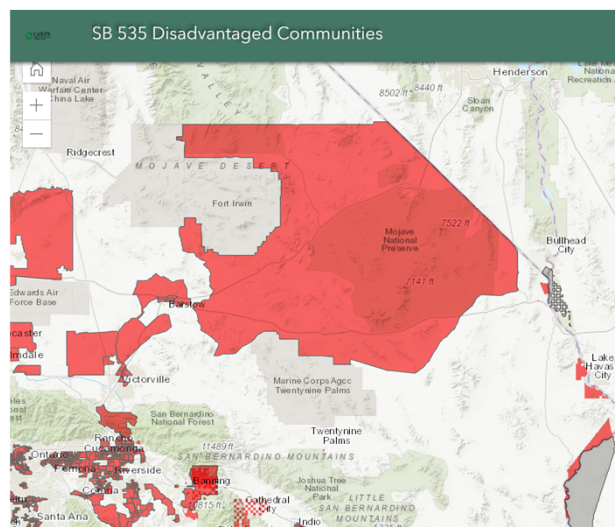
Source: SB 535 Disadvantaged Communities (2022 Update) – CalEPA

Additional Grant Opportunities

FHWA
Advanced Transportation Technologies and Innovation (ATTAIN) Program
- Opens Late 2023 / Early 2024
- Max Award: $12,000,000
- Cost share: 20%
- Eligible Applicants: Governments
- Provides funding to deploy, install, and operate advanced transportation technologies

FHWA
Strengthening Mobility and Revolutionizing Transportation (SMART) Grants
- Opens Fall 2023
- 2 stages:
  - Stage 1 Planning and Prototyping Grants up to $2,000,000
  - Stage 2 Implementation Grants up to $15,000,000
- Eligible Applicants: Governments
- Demonstration projects for advanced smart city technologies for efficiency and safety.

Policy Recommendations

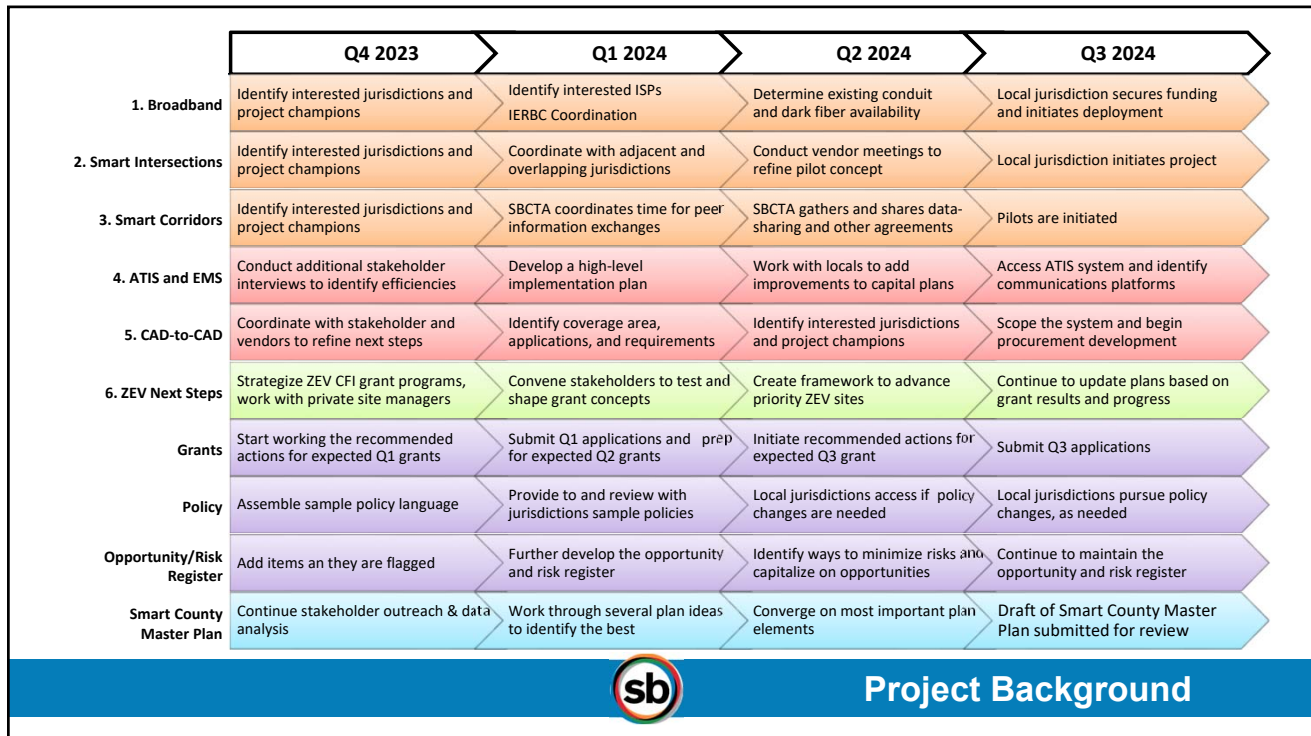| Policy	Description
Dig Once	Take advantage of all projects and dig once by adding empty conduit or conduit with dark fiber for future use. If working at the edge of a jurisdiction – work with them to coordinate any work that might be on their roadmap.
Maximize Purchase Authority	Ensure procurement policies allow to maximize purchasing power by partnering with local agencies and/or county for purchases.
Remain Open to Unmanned Aircraft	While the FAA regulates airspace, local agencies control land use policies. Consider a review of all state laws including state parks and local policies and ordinances within the county. Keeping open policies, regulations and ordinances for unmanned aircraft can open up research and economic development opportunities. Restrictive regulations can send a negative message to businesses.

S	W	O	T
Land Availability: Potential for future development

Economic Growth: Continued economic development showing positive growth trends Skilled Workforce: Availability of a strong and skilled workforce

Relative Affordability: More accessible due to lower costs

Job Opportunities: Variety of opportunities across income scales

Housing Diversity: Various types catering to different demographic segments

Resilient Community: Demonstrated resiliency, ability to bounce back from challenges

Strong Partnerships: Established relationships and partnerships that foster collaboration

Political Vision: Clear political vision guiding the community

Quality Living: High standards of life, making it a desirable place to live

Committed Leadership: Dedicated to progress and community enhancement | **Geographical Barriers:** Vast geographical expanse increases the cost of implementing developments and services

Infrastructure: Needs modernization and improvement

Power Accessibility: Difficulty in sourcing electricity for new developments including residential and industrial projects

Resource Constraints: Large geographic size imposes constraints on resources, making efficient allocation and management challenging

Safety Perception: Negative external views regarding community safety

Job Deficiency: Shortage of high-paying jobs, which can impact economic mobility and income distribution

Homelessness: 30% of SBD County homeless are located in SBD City

Unfavorable PR: County not being publicized properly

Economic Dominance: Proximity to and in competition with an economically dominant region to the west (Los Angeles and coastal regions) | **Population Growth:** More people moving to region

Sustainable Logistics: Opportunity to clean up transport sector

Aligned Leadership: Local leaders aligned on priorities

Workforce: Young average age, 7 educational institutions, good trade training

Grant Application Support: Assistance required in grant applications, along with the need for a strategic plan featuring shelf-ready projects for effective application

Equal Opportunity Access: A need to ensure that all areas, including less developed and remote regions, have equal access to opportunities similar to more prosperous regions

Federal Funding: Unprecedented levels due to IIJA

Other funding: Need shovel-ready projects to get additional grants | **Educational Attainment:** 80% high school graduation rate, 58% of graduates attend college w/in 12 months – both lower than state averages

Density of Warehousing: Limits other / future opportunities; community concerns over expansion

State Priorities: Not always consistent with local needs |

Success Management Workshop

	Q4 2023	Q1 2024	Q2 2024	Q3 2024
1. Broadband	Identify interested jurisdictions and project champions	Identify interested ISPs / IERBC Coordination	Determine existing conduit and dark fiber availability	Local jurisdiction secures funding and initiates deployment
2. Smart Intersections	Identify interested jurisdictions and project champions	Coordinate with adjacent and overlapping jurisdictions	Conduct vendor meetings to refine pilot concept	Local jurisdiction initiates project
3. Smart Corridors	Identify interested jurisdictions and project champions	SBCTA coordinates time for peer information exchanges	SBCTA gathers and shares data-sharing and other agreements	Pilots are initiated
4. ATIS and EMS	Conduct additional stakeholder interviews to identify efficiencies	Develop a high-level implementation plan	Work with locals to add improvements to capital plans	Access ATIS system and identify communications platforms
5. CAD-to-CAD	Coordinate with stakeholder and vendors to refine next steps	Identify coverage area, applications, and requirements	Identify interested jurisdictions and project champions	Scope the system and begin procurement development
6. ZEV Next Steps	Strategize ZEV CFI grant programs, work with private site managers	Convene stakeholders to test and shape grant concepts	Create framework to advance priority ZEV sites	Continue to update plans based on grant results and progress
Grants	Start working the recommended actions for expected Q1 grants	Submit Q1 applications and prep for expected Q2 grants	Initiate recommended actions for expected Q3 grant	Submit Q3 applications
Policy	Assemble sample policy language	Provide to and review with jurisdictions sample policies	Local jurisdictions access if policy changes are needed	Local jurisdictions pursue policy changes, as needed
Opportunity/Risk Register	Add items an they are flagged	Further develop the opportunity and risk register	Identify ways to minimize risks and capitalize on opportunities	Continue to maintain the opportunity and risk register
Smart County Master Plan	Continue stakeholder outreach & data analysis	Work through several plan ideas to identify the best	Converge on most important plan elements	Draft of Smart County Master Plan submitted for review

Project Background

San Bernardino Smart County
Early Action Plan

Questions?

cog
San Bernardino
Council of Governments