

Shared Autonomous Vehicle Program

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October 2018



CONTRA COSTA
transportation
authority

Who We Are

- CCTA is a public agency formed by voters in 1988 to manage the county's transportation sales tax program and to lead transportation planning efforts.
- We are responsible for maintaining and improving the county's transportation system by delivering critical transportation infrastructure projects to safely and efficiently get people where they need to go.
- Managing entity of autonomous vehicle (AV) testing site: GoMentum Station.



What We Do



PEDESTRIAN

Make improvements to sidewalks, crosswalks, trails, and paths



LOCAL STREETS

Smooth traffic flow on major roads and invest in improvements such as repairing potholes and road surfaces



BUSES

Invest in a reliable, comfortable and convenient bus network



SAFE ROUTES TO SCHOOLS

Focus on programs and projects aimed at bicycle and pedestrian safety for K-12 students



FERRIES

Expand the Bay Area ferry system by looking to ferries as an alternate commute method between West County and San Francisco



BICYCLE

Invest in safe routes and infrastructure improvements for bicyclists



BART

Improve BART service and stations, extend routes and increase parking at stations



HIGHWAYS

Complete Contra Costa's highway system, and improve air quality and noise protection along these corridors



CARPOOL/RIDESHARE

Implement programs to reduce traffic congestion by encouraging carpooling and ridesharing



PROGRAMS FOR SENIORS AND PEOPLE WITH DISABILITIES

Enhance transit options to improve mobility for seniors and people with disabilities

What We Heard



Searched the World for the Perfect SAV



We've Celebrated Many "Firsts"



BILL
1592



DMV
AUTHORIZATION



Safe Testing in Controlled Environment

November 2016

Testing @ GoMentum Station

March 2017

Testing @ Bishop Ranch



Launch on Public Roads



March 6, 2018

First Test on Public Roads
@ Bishop Ranch

SAV Partners



BAY AREA AIR QUALITY
MANAGEMENT DISTRICT



Expanding SAV Project



BAY AREA AIR QUALITY
MANAGEMENT DISTRICT



What are we learning?

- **Institutional and regulatory challenges** were far more complicated than envisioned.
- **Development of comprehensive test plan** with specific test case scenarios needs to be prepared up front before starting the procurement.
- It must be understood that **testing in real world environment** is totally different than controlled environment.
- Vendors high level specifications and **technology maturity** (although theoretically true) need to be validated in field
- **Collaboration** between Public and Private entities is the must for the project in this nature
- Expect some **unexpected road blocks** i.e., CPUC jurisdictions over SAV and prepare stakeholders for it
- Always keep in mind that there is no **Guide Book** for this and we are developing one for first time
- Make sure your management team are up for **challenges** as you are

The background is a blue-tinted photograph of a tunnel interior. A large, semi-transparent circular graphic, resembling a stylized 'S' or a path, is overlaid on the left side of the image. The tunnel's perspective leads the eye towards the center, where a few vehicles are visible in the distance.

SAVs: Link to the Future of Transportation

Smart Mobility

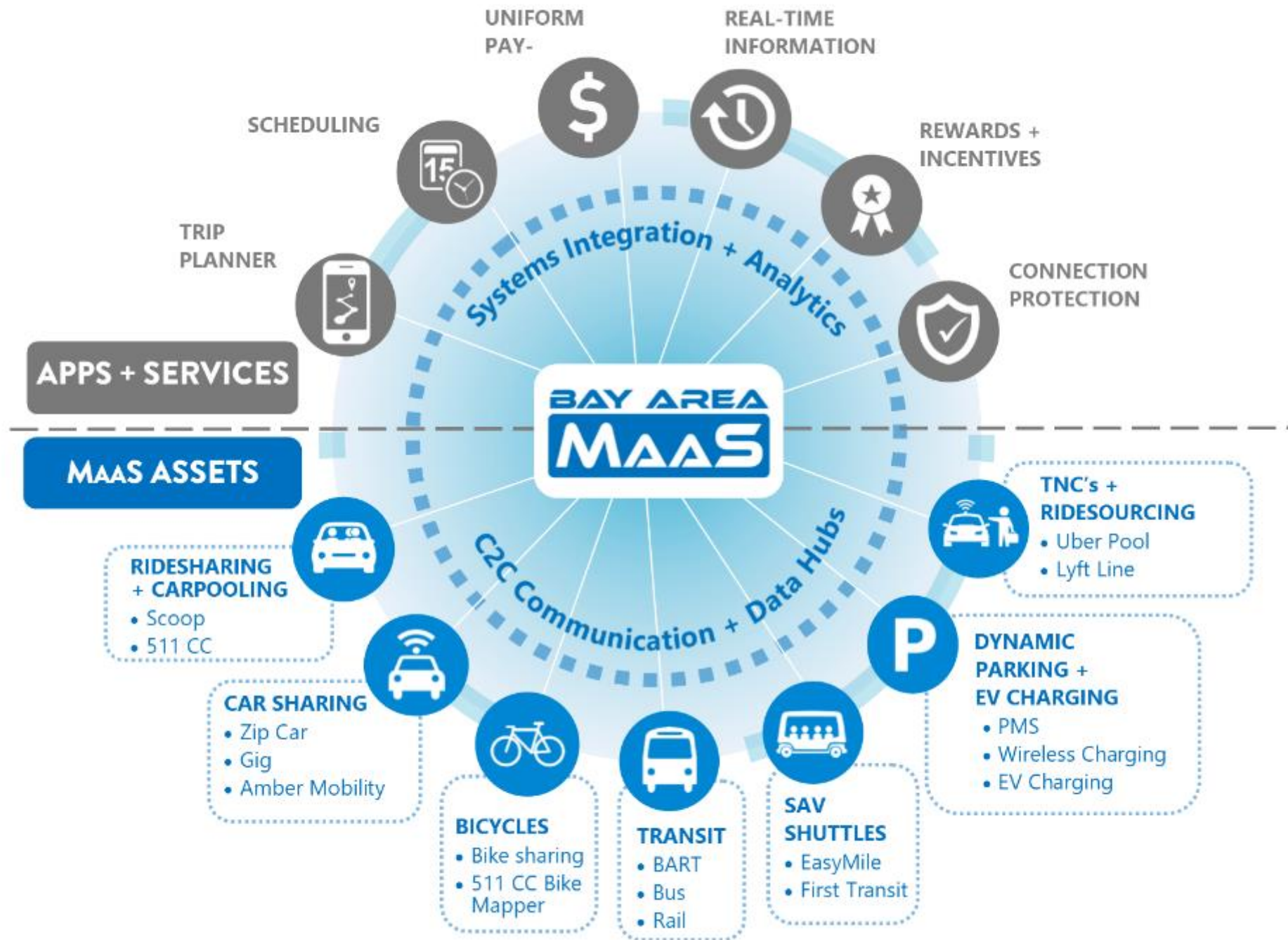


Shuttle Service within Bishop Ranch



Complement to Transit







Thank you

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