



# C/CAG Programs – Reducing GHG Emissions

RMCP Committee – September 21, 2022





# Moving Towards Carbon Neutrality

Yes:

- Electrification of Transportation
- Electrification of Buildings
- Carbon Sequestration

But also:

- Mode shift to shared and active options
- Public Transportation: shuttles, bus, train, micro transit
- Infrastructure updates
- Housing – Work – Services: VMT Reduction
- Collaboration
- Funding for all this ...



# C/CAG Program Areas

- Transportation Infrastructure
- Tools for Cities and County
- Plans and Policies
- Traffic Management
- Funding Public Transportation
- Active Transportation
- Stormwater
- Housing - Transportation
- Energy and Climate

# Transportation Infrastructure

SMC Express Lanes – (Santa Clara County Line to I-380 open and under construction). Uses pricing to promote carpooling, shuttles, and transit, increases throughput, and invests in equity.

Managed Lanes North of I-380 – (In planning) upon completion will have a managed lane the entire 30-mile length of 101.

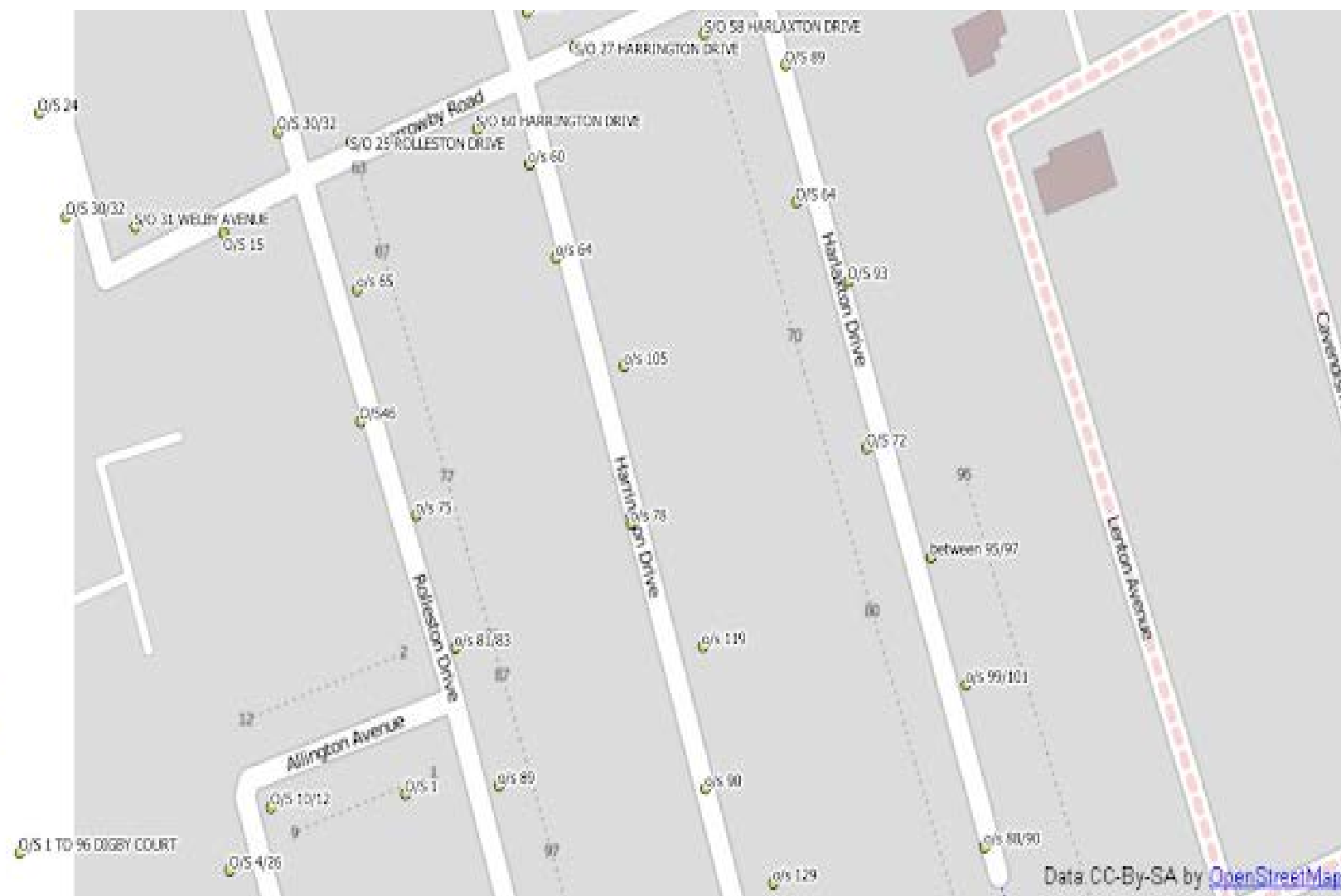
92/101 Area Improvements, Direct Connector, 1.2 Mile Bike Lanes- smooth traffic flow, add mobility hub, promote bike use



# Tool for Cities and County

VMT/GHG Mitigation Tools Program – menu of measures to reduce VMT and address CEQA requirement for mitigating project GHG emissions, direct benefits to disadvantaged communities

StreeLight Data – Joint subscription for city and County planners to use to evaluate VMT of proposed projects for compliance





# Plans and Policies

Transportation Demand Management (TDM) Policy – TDM policy used by most cities in SMC that encourages alternative modes and trip reduction strategies with a goal of 25% to 35% reduction in trips, which in turn will reduce VMT and GHG.

Alternative Fuels Readiness Plan (AFRP) – Plan that presents potential alternative vehicle fuels for transportation, opportunities for reducing emissions, safety considerations, and financial incentives

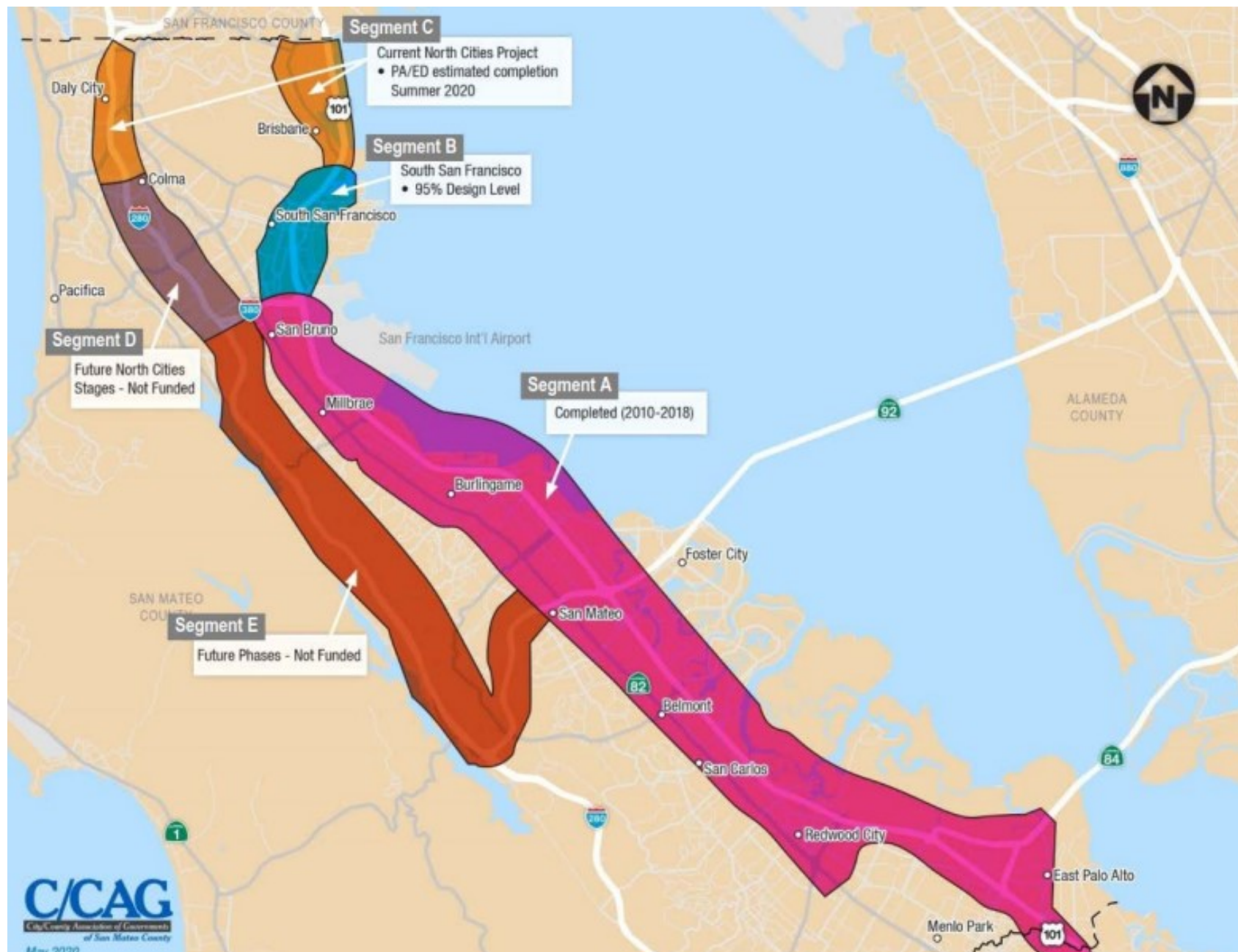
# Traffic Management

Smart Corridor – Proactive Incident Management System that maximizes efficiency of the existing transportation network, smoothing traffic flow, reduced idling and GHG, improved safety, and reduced travel times.

Traffic Signal Coordination– with SamTrans for Bus priority

Belmont – Adaptive signal system

East Palo Alto – Signal priority project



# Funding Public Transportation

Shuttles – C/CAG provides approximately \$2.6m per year for transit and shuttles

Commute.org - C/CAG provides approximately \$1.2m per year to support Commute.org

Carpool Programs - Carpool In San Mateo County! - mobile carpooling apps to increase local carpool ridership during peak travel periods

Lifeline Transportation Program – designed to help low-income residents by funding transportation projects that will improve their mobility within the community



Bike Racks on Busses



# Active Transportation

Safe Routes to Schools – program to promote active transportation for parents and students

Comprehensive Bike/Ped Master Plan – Completed last year, give direction to key program opportunities for San Mateo County, online maps of community circumstances

Buffered Bike Lane Projects – multiple projects in pipeline along El Camino in San Mateo County, recent \$760K for San Bruno/Millbrae section

TDA Article 3 – funding specifically for bike and ped projects

QuickBuild/OBAG 3 – opportunity to leverage ready infrastructure and design



Shared Mobility – completing a feasibility study and developing a pilot

# Storm water

Sustainable Street Master Plan – integrating green infrastructure and active transportation improvements, 500+ locations identified

SRTS Pilot Projects – 10 Pilot Projects for green streets and SRTS at different locations around SMC, at Intersections and for connectivity

Green Infrastructure – developing its role in sequestration and current role in capturing toxics



10 San Mateo, Humboldt St., Mid-block Crossing



11 San Mateo, Humboldt St. and College Avenue...



12 San Mateo, Delaware St Green Street



13 San Mateo, Laurel Elementary Green...



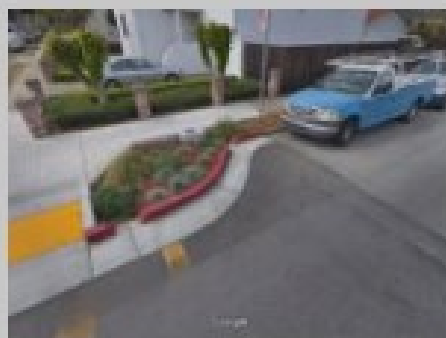
14 San Carlos, Old County Road Green Street



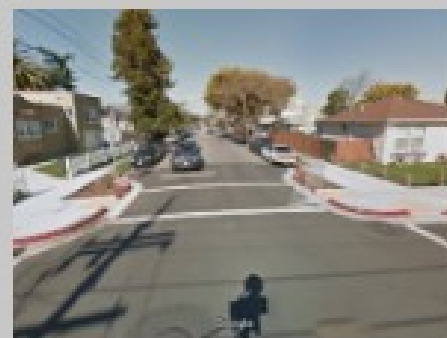
15 San Carlos, Bransten Road Green Street



16 San Carlos, El Camino Real, Intersection...



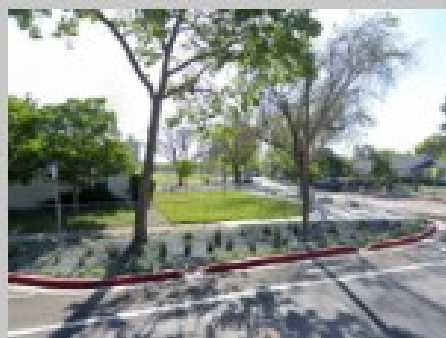
17 San Mateo, Humboldt St. and Cypress Ave....



18 San Mateo, Humboldt St. and Monte Diablo...



19 Burlingame, California Dr. Streetscape...



20 Redwood City, Kennedy Middle School Green...



21 Pacifica, Palmetto Ave. and Clarendon Rd. Cur...



# Housing - Transportation

21 Elements – C/CAG and the Dept. of Housing started the regional award winning 21-Elements Efforts that housing-transit connection, resources for cities and County – housing law, RHNA, ADUs ...



# Energy - Climate

RICAPS – Templates, tools, technical assistance, emission inventories for cities and County for climate action planning

San Mateo County Energy Watch – energy efficiency and fuel switching project identification and referral for agencies (cities, County, special districts, K-12 schools, small hard-to-reach business

# Multi-Agency Collaboration on Carbon Neutrality

## Objectives:

- Policy advocacy
- State and Federal funding
- Communications
- Standardized metrics & timelines
- Sharing analysis and equity strategy
- Coordinated implementation





# Questions?

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