


ALAMEDA COUNTY TRANSPORTATION COMMISSION

Countywide Multimodal Arterial Plan (MAP)

Improving multimodal mobility for better
economic, health and environmental outcomes



Presentation to Planning, Policy and Legislation Committee, May 9, 2016
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Presentation Overview

- Arterial Plan – Purpose and Process
- Key Concepts
 - ✓ Typology
 - ✓ Modal Priority
 - ✓ Needs Assessment
- Current Status
 - ✓ Update to draft multimodal improvements
- Schedule for adoption

Future of Alameda County

- By 2040:
 - ✓ 31% growth in population
 - ✓ 42% growth in employment
 - ✓ 100% increase in proportion of seniors (age 65+)
 - ✓ 18% households with no vehicle
- Arterials that carry all modes and connects to communities provides the opportunity to address future demand



COUNTYWIDE MULTIMODAL ARTERIAL PLAN



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Arterial Plan Vision Statement

“Alameda County will have a network of efficient, safe and equitably accessible arterials that facilitate the multimodal movement of people and goods, and help create a strong economy, healthy environment and vibrant communities, while maintaining local contexts.”

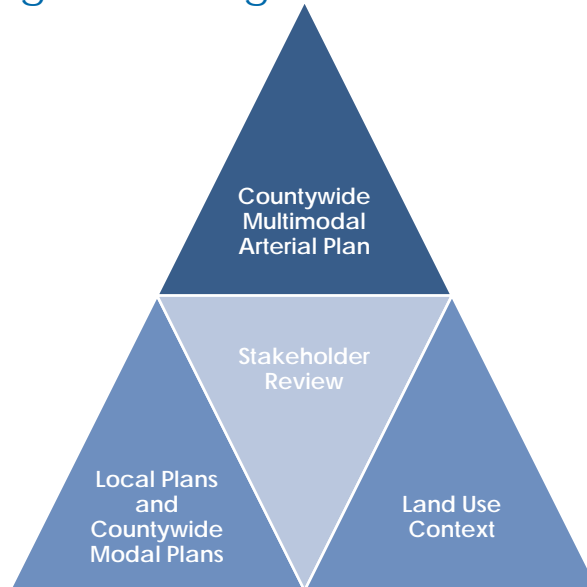


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Building on Existing Efforts



Process Overview – Outreach

- 60+ meetings held
- Met with agency and non-agency stakeholders, including:
 - All 14 cities and Alameda County
 - Caltrans and MTC
 - Transit agencies
 - PlanTAC, ACTAC and Alameda CTC Commissioners
 - Bike East Bay, Alameda County Safe Routes to Schools, United Seniors of Oakland and Alameda County, Alameda CTC's PAPCO, trucking industry and emergency responders
 - General public (via public workshops)
- Over 1000 comments were received throughout the process



Key Concepts: Typology

Key Components:

- **Auto Function**
- **Multimodal Networks**
- **Land Use**

MAP Street
Typology
Framework =



Auto Function



Modes of Travel



Land Use Context

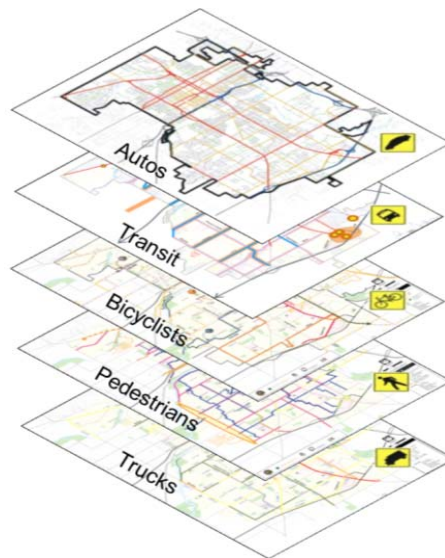
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Key Concepts - Typology

- Framework provides the foundation for defining the Complete Streets network
- Reflects:
 - ✓ How streets function for all users
 - ✓ Relationship between streets & buildings fronting onto them
- Expands considerations:
 - ✓ Balances needs of all users



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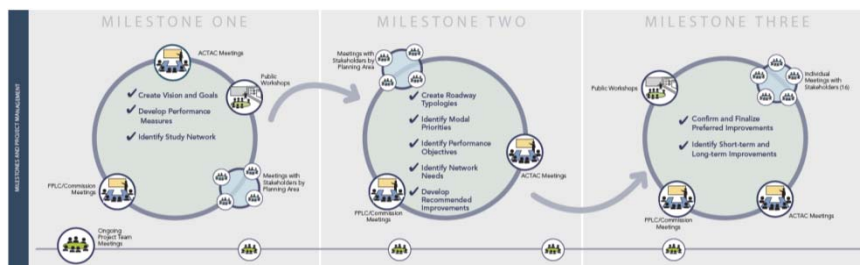
Key Concepts - Modal Priority

- Method for balancing modes
- Informs needs assessment and recommended improvements



Plan Development – Needs Assessment

- Needs Assessment was performed on 1,200 miles of Study Network
- Multimodal Needs Assessment was informed by the typology, modal priority and performance assessment



Identifying Draft Multimodal Improvements

- Create Continuous and Connected Network
- Multimodal improvements were identified for Arterial Network - 510 miles of core arterials of countywide significance
- Improvements were proposed for high priority modes



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Preliminary Improvements - Transit

- Considered Improvements
 - Enhanced Bus Improvements
 - Rapid Bus Improvements
 - Bus Rapid Transit Improvements



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Preliminary Improvements - Bicycles

Considered Improvements:

- Class 2 Bicycle Lanes
- Class 2 Enhanced Buffered Bicycle Lanes
- Class 3 Bicycle Routes
- Class 3 Enhanced Bicycle Boulevards
- Class 4 Protected Bicycle Lanes



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Preliminary Improvements - Pedestrian

Considered Improvements:

- Sidewalk Enhancements
- Curb Bulbouts
- Crosswalk Enhancements
- Streetscape Enhancements
- Pedestrian Scale Lighting



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Preliminary Improvements - Autos

Considered ITS Improvements:

- **Low Level of ITS Infrastructure** – field-to-Center communications with ability to remotely monitor and manage traffic signals
- **Medium Level of ITS Infrastructure** – Low Level plus CCTV cameras, time-of-day signal timing, adaptive signal control, transit signal priority
- **High Level of ITS Infrastructure** – Medium Level plus changeable message signs, trailblazer signs, connected vehicle technologies



Preliminary Improvements – Goods Movement

Considered ITS Improvements:

- Curb lane widening to 12 ft or greater



Next Steps

- Updated Draft Multimodal Improvements to Plan TAC - June 2016
- Draft Multimodal Arterial Plan – June 2016
- Final Multimodal Arterial Plan – July 2016



Questions?

