


ALAMEDA COUNTY TRANSPORTATION COMMISSION

## Countywide Multimodal Arterial Plan

Improving multimodal mobility for better economic, health and environmental outcomes



October 23, 2015 Alameda CTC Commission Meeting  
Matthew Ridgway, Fehr & Peers

## Presentation Overview

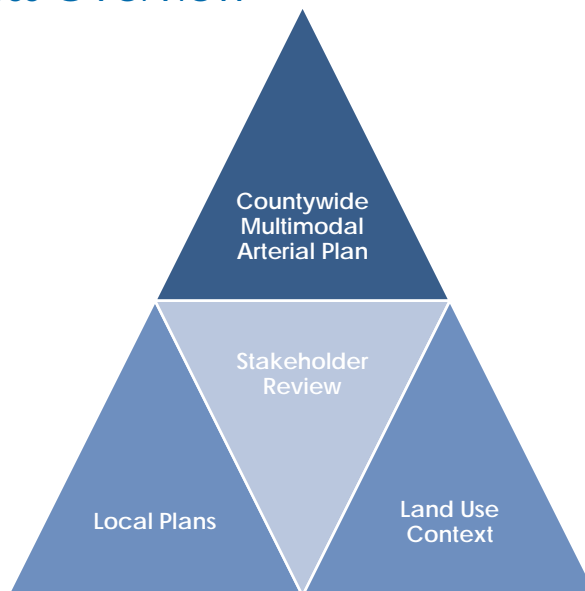
- Arterial Plan Background and Purpose
- Key Concepts:
  - ✓ Typology
  - ✓ Modal Priority
- Process Overview and Needs Assessment
- Recommended Improvements
- Approved by ACTAC and PPLC unanimously
- Requested Action:
  - ✓ Approve Typology Framework and Modal Priorities

## 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.”*



## Process Overview



## Typology

Key Components:

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

MMAP  
Street  
Typology  
Framework =



Auto Function



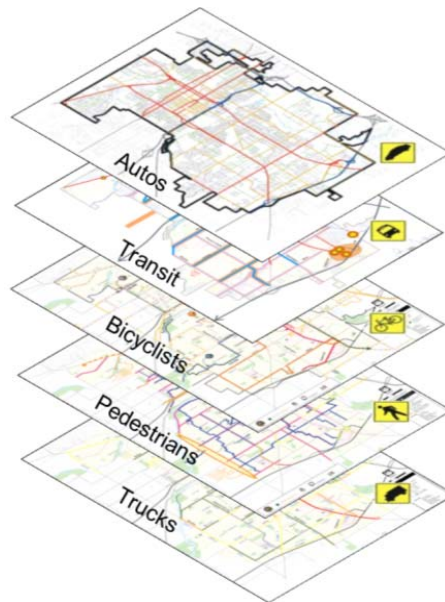
Modes of Travel



Land Use Context

## Why 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
  - ✓ Defines a complete streets network

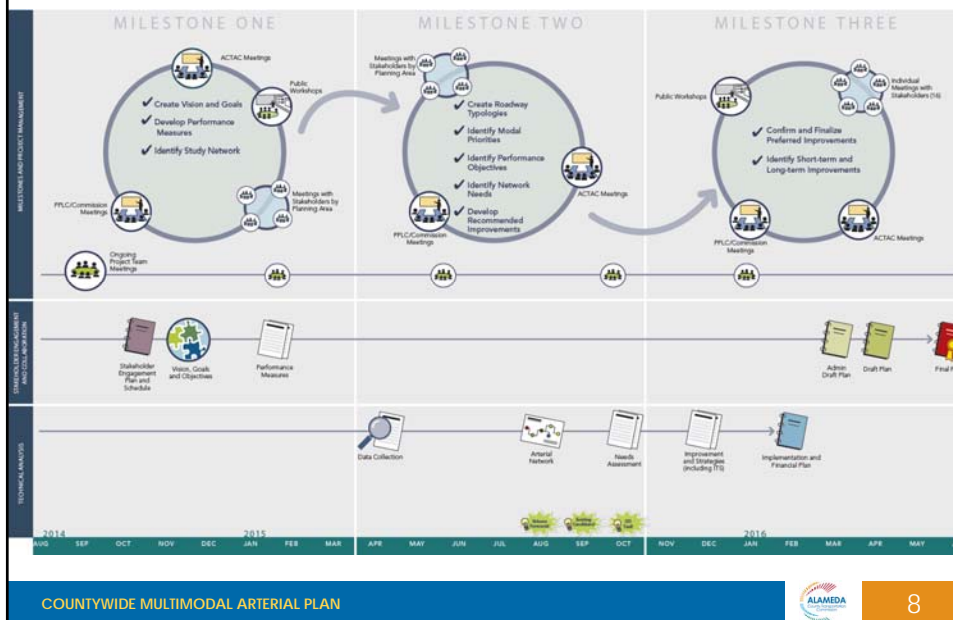


## Future of Alameda County

- By 2040:
  - ✓ 31% growth in population
  - ✓ 40% growth in employment
  - ✓ 100% increase in proportion of seniors (age 65+)
  - ✓ 18% households with no vehicle



## Arterial Plan Overview



## Process Overview – Outreach

- 50+ meetings held
- Met with agency and non-agency stakeholders, including:
  - All 14 cities and Alameda County
  - Caltrans and MTC
  - Transit agencies and TMA service providers
  - 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)
- 700+ comments received on the typology/modal priority framework

## Typology Development

- Following mapping overlays were developed :
  - ✓ Land use
  - ✓ Auto function
  - ✓ Modal emphasis overlays – Transit, Bike, Pedestrian and Goods Movement
- Overlays applied to Study Network
  - ✓ Study Network represents major arterials and collectors across the county (about 1,200 miles of roadway)
- Overlays provide basis for identifying Arterials of Countywide Significance (Arterial Network)

## Modal Priority

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



## Improvements Driven by Needs





## Improvements Driven by Needs



High Priority



High Priority



Mid Priority



Mid Priority



Mid Priority

COUNTYWIDE MULTIMODAL ARTERIAL PLAN



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## Modal Priorities



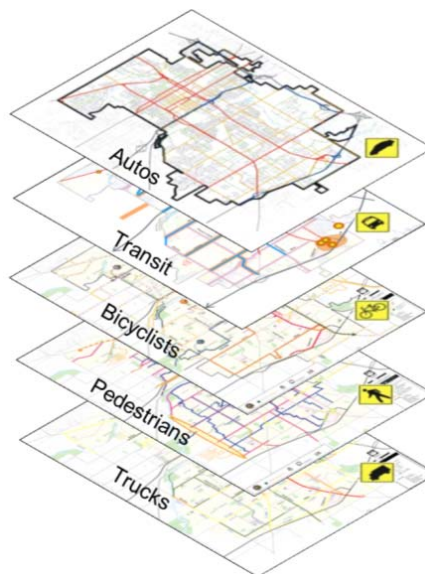
COUNTYWIDE MULTIMODAL ARTERIAL PLAN



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## Needs Assessment

- Modal priorities inform Study Network needs assessment for each mode
- Existing and future year (2020 and 2040) transportation conditions for each mode assessed by applying approved performance measures
- Study Network needs for each mode are identified by applying thresholds to performance measure results



## Preferred Improvements

- Recommended improvements will be identified to adequately address network needs for each mode
- Consultant team will meet with stakeholder agencies individually to develop set of preferred improvements



## Addressing PPLC Comments

- Based on Comments from PPLC on October 12, 2015, the project team will address the following:
  - Paratransit
  - Truck parking in coordination with the Goods Movement Plan and in discussion with the jurisdictions
  - Heavy duty paving on appropriate truck routes
  - Modal conflict issues where improvements that support one mode will impact performance of other modes
  - Signal coordination as part of the exclusive and robust task on Intelligent Transportation Systems in the Plan

## Next Steps

- Needs Assessment – November 2015
- Recommended Improvements – December 2015
- Individual Meetings with Jurisdictions – January 2016
- Preferred Improvements – February 2016
- Requested Actions:
  - ✓ Approve Typology Framework and Modal Priorities

Questions?