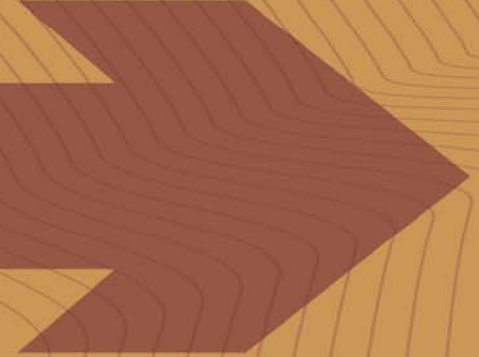
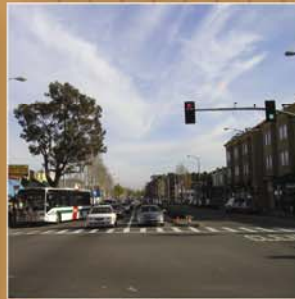
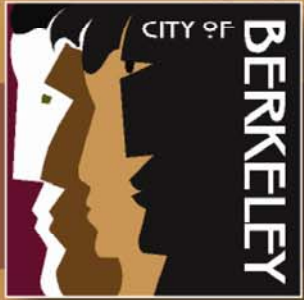


West Berkeley Circulation Master Plan

Existing Conditions Results



Meeting of the West Berkeley Project Area Committee
November 8, 2007

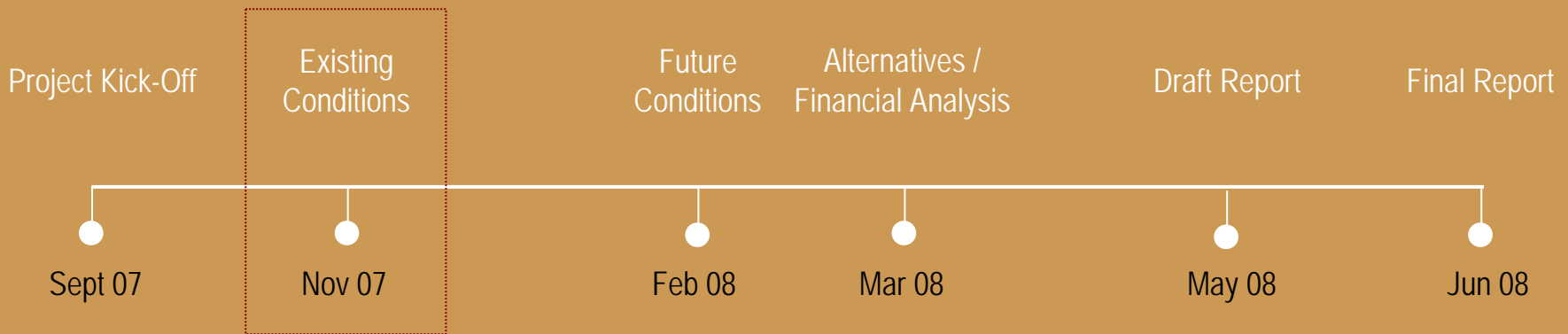
Project Description



- **Goal:**

- To provide a comprehensive, long-range plan for the development of the transportation network and operations in West Berkeley

- **Schedule:**

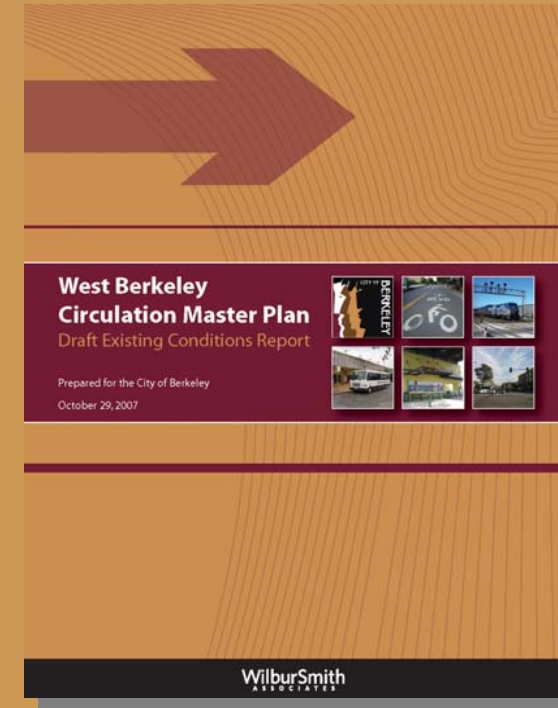


- **Modeling/Analysis Techniques Used**

Report Structure



- Chapter 1: Introduction
- Chapter 2: Background Studies
- Chapter 3: Traffic Conditions
- Chapter 4: Transit and Shuttles
- Chapter 5: Rail Operations
- Chapter 6: Pedestrians
- Chapter 7: Bikes
- Chapter 8: Transportation Demand Management
- Chapter 9: Safety
- Chapter 10: Summary



Traffic Conditions



- **Intersection Analysis**

- **Weekday PM Peak**

- (17 / 57) LOS E or F

- **Weekend Midday Peak**

- (11 / 25) LOS E or F

- **Arterial Analysis**

- **Low travel speeds and queuing, especially at:**

- **All along Gilman (including Interchange)**
 - **University (6th and San Pablo)**
 - **Ashby and San Pablo**

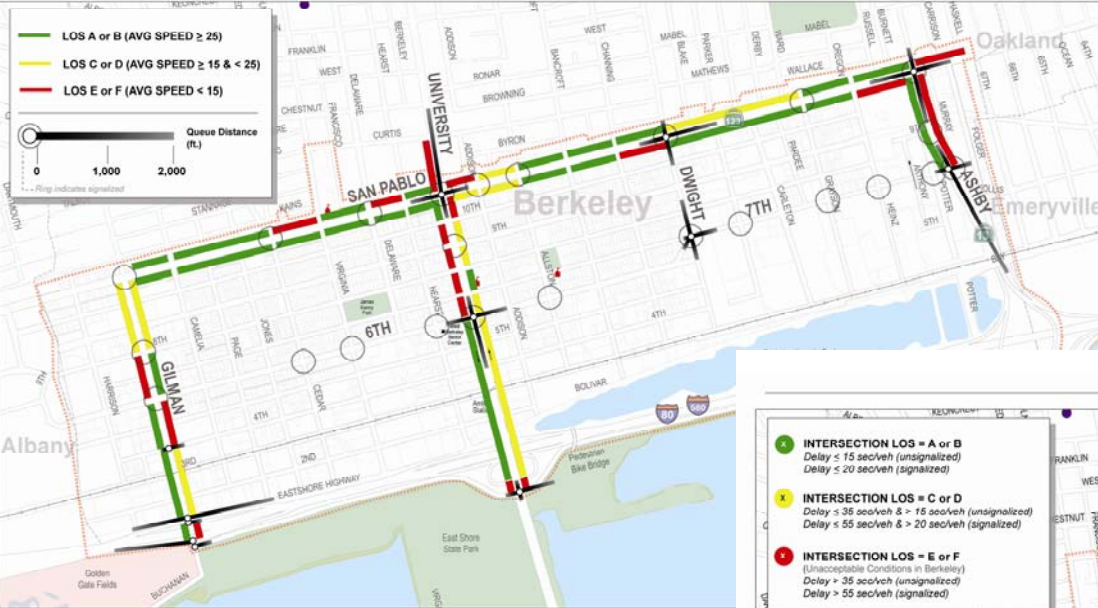
Level of Service	Average Delay	
	Unsignalized	Signalized
A	≤ 10.0 sec/veh	≤ 10.0 sec/veh
B	10.1 – 15.0 sec/veh	10.1 – 20.0 sec/veh
C	15.1 – 25.0 sec/veh	20.1 – 35.0 sec/veh
D	25.1 – 35.0 sec/veh	35.1 – 55.0 sec/veh
E	35.1 – 50.0 sec/veh	55.1 – 80.0 sec/veh
F	≥ 50.1 sec/veh	≥ 80.1 sec/veh

Level of Service	Average Travel Speeds
A	> 30 MPH
B	25-30 MPH
C	19-24 MPH
D	15-18 MPH
E	10-14 MPH
F	≤ 10 MPH

Analysis Graphics



WEST BERKELEY CIRCULATION MASTER PLAN



WilburSmith
ASSOCIATES



WilburSmith
ASSOCIATES



- **SimTraffic Clip**

Transit



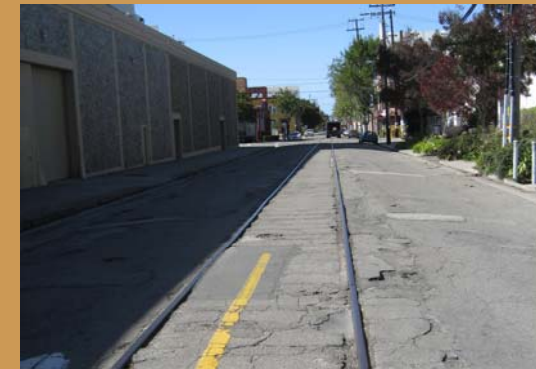
- Transit Options:
 - AC Transit (15 fixed-route bus routes) local and transbay service
 - Capitol Corridor (Amtrak) (commuter rail) 16 inbound/16 outbound daily trains
 - West Berkeley Shuttle (employee shuttle) 7-AM / 7-PM trips
 - Lawrence Berkeley Labs Shuttle (employee shuttle) hourly service from 9am – 7pm
- Ridership is heaviest on AC Transit Services
 - 51, 72 and 72R “Rapid” service has highest route riderships in WB
 - San Pablo and University is highest single boarding/alighting location
- High % of 0 vehicle households (14%) in West Berkeley
- Opportunities to improve frequencies and spans of service on AC Transit routes



Rail



- Union Pacific (UP) Railroad mainline tracks in West Berkeley provide a key link for freight and passenger activity
- Amtrak service provides passenger rail
- 7 at-grade crossings; 2 grade-separated crossings in West Berkeley
- Abandon tracks still existing in part of West Berkeley
- Rail presents an impediment to bicycle, pedestrian, automobile (including emergency vehicle) travel



Pedestrians



- **High Volume Locations**

- University Ave. / San Pablo Ave.
- Hearst Ave. / 4th St.
- Delaware St. / San Pablo Ave.
- Gilman Ave/ San Pablo Ave.
- Dwight Way/ San Pablo Ave

- **Opportunities to improve conditions**

- Completing the sidewalk network
- Adding truncated domes, audible crossings and countdown signals to more intersections
- Increase crossing times on select intersections
- Encourage street-level development



Bicycles



- Sophisticated network of path, boulevards, lanes, and routes
- Bicycle detectors at select intersections
- High volume locations
 - Channing Way / 9th St.
 - Delaware St. / San Pablo Ave.
 - Virginia St. / San Pablo Ave.
 - Addison St. / 4th St.
 - Channing Way / San Pablo Ave.
- Opportunities to improve conditions
 - Increase north/south connectivity east of San Pablo Ave.
 - Improve riding and crossing conditions along San Pablo Ave.



Transportation Demand Management



- **Push/Pull Mechanism**
 - Pricing Techniques/Discourage Auto Use
 - Create More Options (i.e. add bike lanes)
 - Developer Incentives
- **4 Types of TDM**
 - Incentive-Based
 - Land Use Management
 - Improvement of Transportation Options
 - TDM Policies & Programs
- **Current Programs**
 - Bayer

Safety

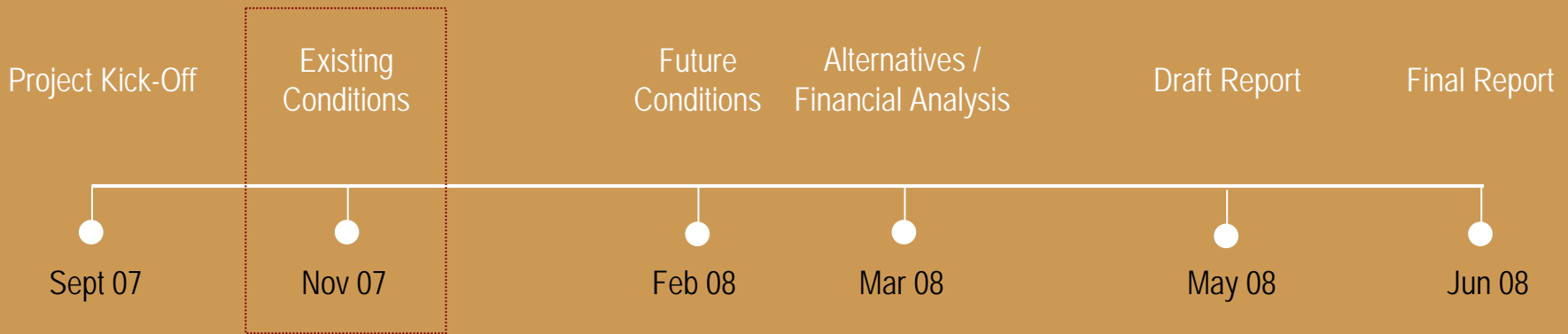


- Collision data assessment at intersections, midblock locations, and rail crossings.
- High number of auto collisions along San Pablo Ave., Ashby Ave., and University Ave. intersections
- Pedestrian and bike-related collisions along San Pablo Ave. and University Ave. intersections
- Addison St. and Cedar St. at-grade crossings have highest recorded train-related collisions in past 30 years

Next Steps



- **Future Conditions (February 2008)**



Questions

