

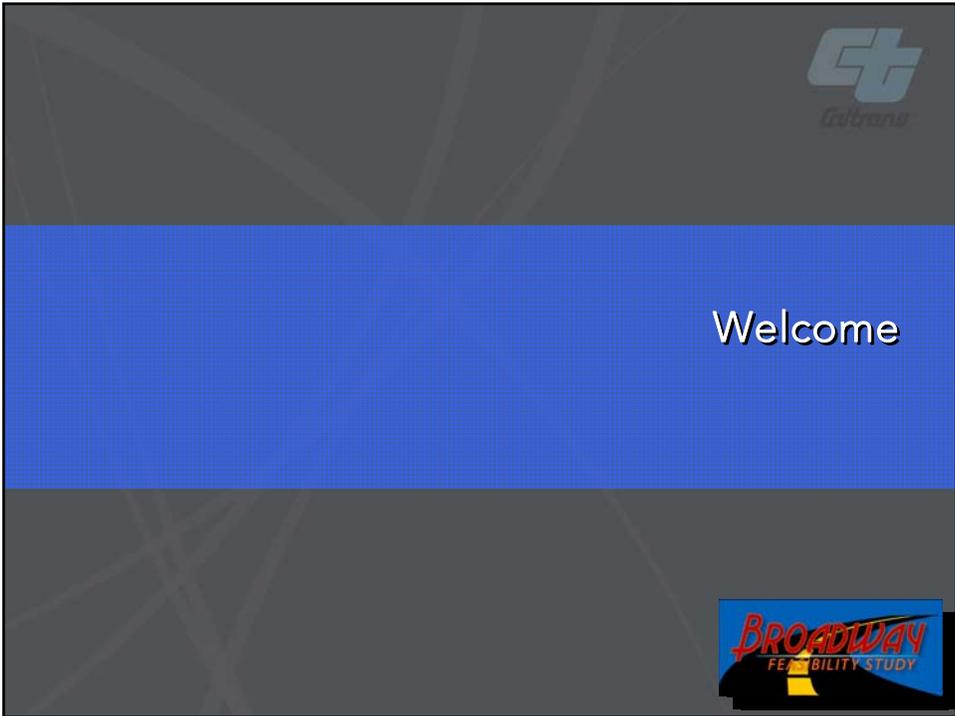


Broadway Feasibility Study Informational Meeting

February 7, 2011

Jeffrey Pimentel, Cheryl Willis and Rick Mayberry
Caltrans District 1





Welcome



Meeting Objective



- To meet with business and community groups
- To discuss the Broadway Feasibility Study in the City of Eureka



Agenda Overview



- Welcome and Introductions
- Background
- Study Methodology: A New Approach
- Next Steps and Schedule
- Questions and Comments
- Concluding Remarks

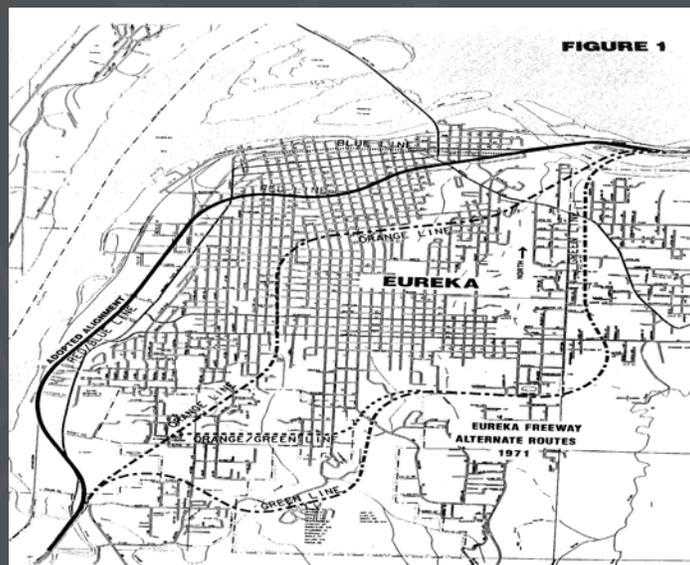




Background



Route 101 Freeway Map



Study Purpose



- Identify future scenarios:
 - Improve safety
 - Improve operations
 - Improve mobility
 - Accommodate all modes of transportation within the corridor & adjacent streets



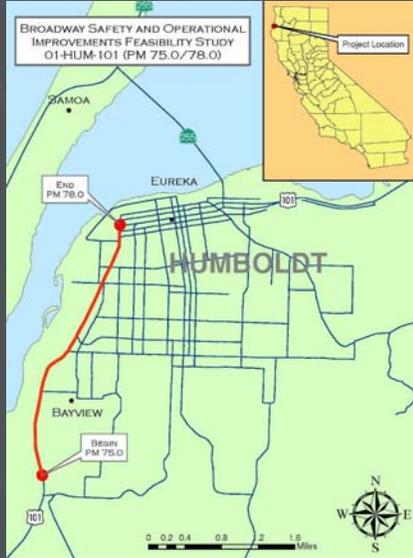
Study Need



- Collision rate reaches as high as four times the statewide average when compared to similar facilities.
- Corridor & adjacent streets experience significant congestion as well as poor mobility for all modes of transportation.



Study Limits



- Post Mile 75.0 to 78.0 along Broadway
- (K-Mart entrance to 4th Street)

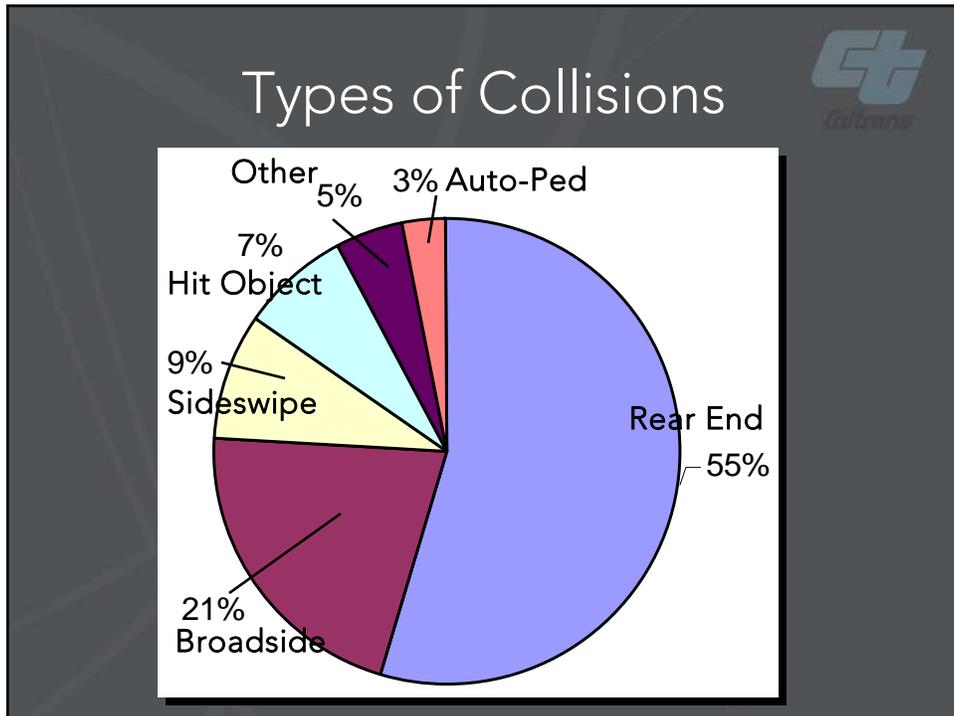
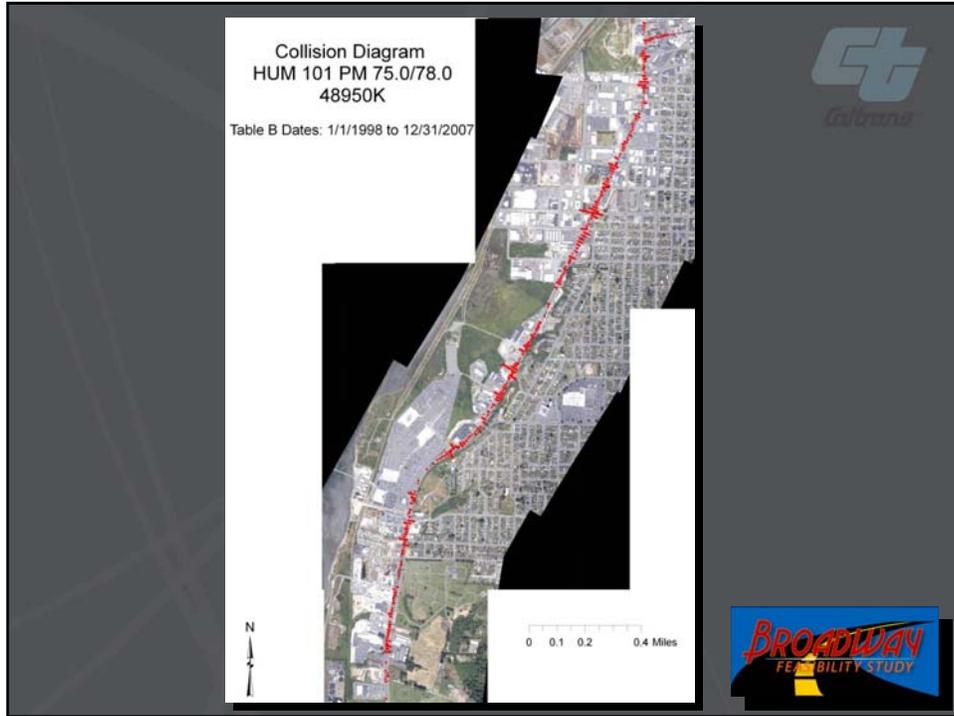


10-Year Collision History



- Total Collisions = 1148
- Fatal = 5
- Injury (includes fatal) = 538
- Property Damage Only = 610





Congestion and Mobility



Study Methodology A New Approach



Micro-Simulation



- Synchro/Sim Traffic 7
- TransModeler
- "Living" Model
- Linked System



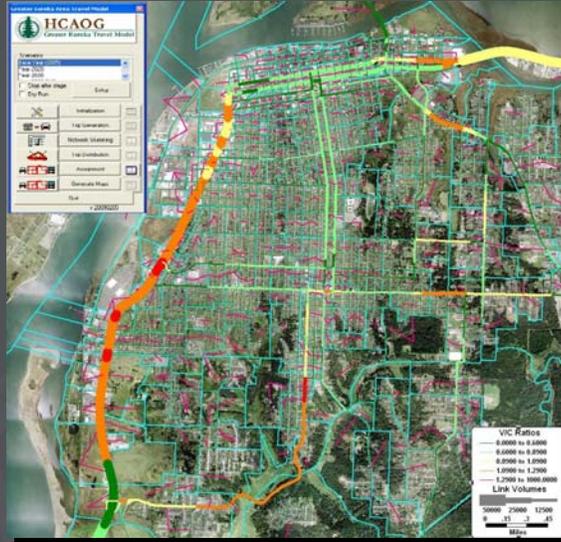
Modeling Packages



- Synchro/Sim Traffic 7
 - Emphasis on Signals System
 - No Route Choice
 - 101- Kmart to V St & city streets w/signals
 - COMPLETED
- TransCAD (GEATM)
 - Planning Level
 - Land Use Assumptions
 - Greater Eureka Area
 - COMPLETED
- TransModeler (GEAmicrosim)
 - Best model of the real world
 - Incorporates Route Choice
 - 101-Herrick to Slough & major city streets
 - COMPLETED



TransCAD (GEATM)



TransModeler (GEAmicrosim)



TransModeler (GEAmicrosim)



Next Steps and Schedule



Study Schedule

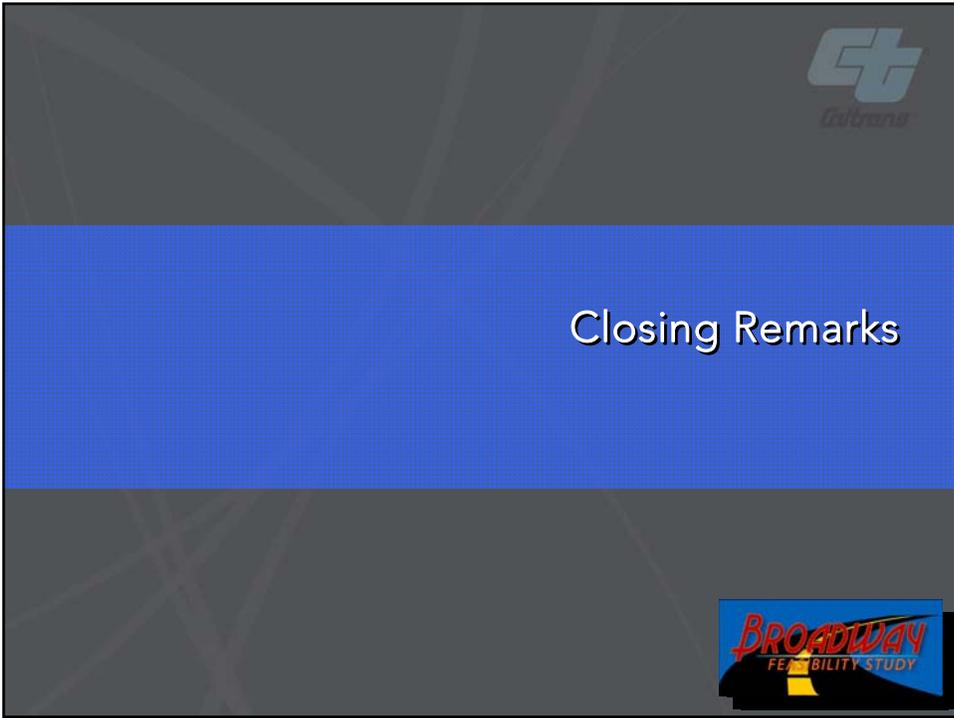


Test Design Concepts – Iteration #1	Feb 2011
Public Meeting #1	June 2011
Test Design Concepts – Iteration #2	June - Aug 2011
Draft Feasibility Study	Oct 2011
Public Meeting #2	Dec 2011
Final Feasibility Study	Feb 2012



Questions and Comments





The graphic features a dark grey background with a pattern of overlapping, semi-transparent lines in shades of blue, yellow, and purple. In the top right corner, there are two logos: a blue and red logo for 'BROADWAY FEASIBILITY STUDY' and the Caltrans logo. The main text is centered in white, and the date and names are positioned in the lower right quadrant.

BROADWAY
FEASIBILITY STUDY

Caltrans

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