



Transbay Transit Center Bus Ramps

CAC Meeting - January 13th, 2009









Bus Ramp Objectives

Replace functionally obsolete structures

- Meet Caltrans "Lifeline" Status
- Direct connections

Provide all required bus movements

- Meet 2030 bus traffic predictions (EIR) (TJPA consider 2050)
- Minimize impact to existing structures

Recognize site constraints

- Urban setting architectural context visual impacts
- Geometric and ROW constraints
- Maintenance of traffic

Best Value



Alternative 1A - "Base Case"





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Alternative 1A – "Base Case"





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Alternative 1A – "Base Case"



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Traffic Studies





Bus Ramp Traffic

- Peak Hour Modeling (VISSIM)
- Dedicated bus ramp to TTC and BSF
 - AC Transit Transbay services
 - MUNI #108
 - WesCAT
 - Caltrans Bike Shuttle
- Errant Motorists
 - Signage, striping
 - Acceptable safety
- Amtrak/Greyhound/GGT



Year	Peak Hour
2008	90
2030	174
2050	290
GGT to Fremont	75

JP

ARI



Alternative 1A – "Base Case"

 Buses
Crossover at bus deck
entrance

 Does not meet 2030/2050 objectives

 10 minute delays gridlock

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Advantages of Preferred Alternative

- Uses Fremont "Bus Off"
- Flexible design
- Lowest cost and impact
- Keeps Harrison Street Ramp











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Dist COUNTY

ROUTE





Crossover Design







Preferred Alternative Summary

- No significant delays in 2030 or 2050 models
- Meets all bus ramp objectives
- Fewer structures lower cost
- Awaiting AC transit approval
- Caltrans PSR and approval



Bus Ramp Design Schedule

- Preliminary Engineering (35%) May 2009
 - Architectural Features
 - Traffic studies
 - Geotechnical Studies
- Design Development (65%) –December, 2009
- Final Design for Approvals(100%) June, 2010
- Bidding and Contract Award December, 2010
- Construction March 2011 to August 2013









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