San Francisco Bay Trail Connection
Castro Street to Richmond-San Rafael Bridge

Design Review Board Presentation, May 23, 2012
Project Purpose & Need

Close a gap in the Bay Trail and create a safe, inviting, convenient access for bicycles & pedestrians

- Multi-Use Trail Separated From Roadway
- ADA Accessible
Project Overview
Project Overview - Castro Street Terminus
Project Overview – Marine Street Intersection
Project Overview – Freeway Narrows
Project Overview – Scofield Crossing & Toll Plaza
Project Constraints

- Land Use & Ownership
- Utilities & Infrastructure
- Heightened Security Areas
- Geology & Soil Conditions
- Topography & Steep Slopes
- Site Biology
Design Criteria

- Width & User Separation
- Grades & Cross Slopes
- Design Speed & Surfaces
- Horizontal Curves & Sightlines
- Utility & Infrastructure Clearance
- Construction & Constructability
- Access Control
- Railings & Fencing
- Signage & Striping
- Gratings & Drainage
- Lighting & Call Boxes
- Graffiti, Theft & Vandalism
- Landscaping
Existing Trail Conditions
Caltrans Right-of-Way Map
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ALTERNATIVES CONSIDERED
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LOCAL CONSENSUS ALIGNMENT
Local Consensus Alignment
Plan & Profile
Local Consensus Alignment
Castro St. to Marine St.- Existing Conditions
Local Consensus Alignment from Castro Street - Plan & Sections
Local Consensus Alignment at Marine Street - Plan & Sections
Local Consensus Alignment
Marine St. to Office Hill - Existing Conditions
Local Consensus Alignment
Marine St. to Office Hill - Plan & Sections
Local Consensus Alignment
Office Hill to Toll Plaza - Plan & Sections
Local Consensus Alignment at Toll Plaza - Plan & Sections
Alternative 2 Alignment
Plan & Profile
Alternative 2 Alignment
Existing Conditions
Local Consensus Alignment
Typical Sections - At-Grade Trail
Local Consensus Alignment

Typical Sections - Elevated Structures
Local Consensus Alignment
Design Details - Structure at RW-3
Scofield Crossing Structure
Truss Options 1 & 2
Scofield Crossing Structure
PC Girder & Stress Ribbon Options
Local Consensus Alignment
PC Girder Structure Details
Local Consensus Alignment
PC Girder Structure Details

SECTION 1-1
SECTION AT ABUTMENT
Scale: 1" = 10'

SECTION 2-2
Scale: 1" = 10'

SECTION 3-3
SECTION AT ABUTMENT
Scale: 1" = 10'
Local Consensus Alignment
PC Girder Structure Details
Fully Enclosed with Solid Roof and 1-inch mesh

Jack London Square, Oakland
Fully Enclosed with 1-inch mesh

Moffett Ave. Bridge, Mountain View