City of Richmond
Officer Bradley A. Moody Memorial Underpass

April 14, 2010
Project Oversight and Approval
City of Richmond
Richmond Community Redevelopment Agency

Civil Engineering
BKF Engineers

Structural Engineering
Biggs Cardosa Associates Inc.

Urban Designer/ Landscape Architecture
Gates & Associates
Grade Separation Feasibility Studies
- Richmond Community Redevelopment Agency (RCRA)
- Feasibility Study and Evaluation began in 2006
- 7 Potential Grade Separation Locations
  - Marina Bay District
Feasibility Study Locations
Marina Bay District
Grade Separation Feasibility Studies

- Project Purpose
  - Improved Traffic Operations
  - Increase Safety

- Evaluation of Locations
  - Traffic Delay
  - Accident Rate
  - Construction Costs and Right of Way Impact
  - Community Input

- Marina Bay Parkway Underpass
CONSTRUCTION FUNDING

- Estimated Project Cost - $37.5 million
- Funding
  - $18.975 million from the Trade Corridor Improvement Fund (TCIF) Proposition 1B Program
  - $11.2 million from Measure J transportation sales tax
  - $3 million from developer fees associated with area residential projects
  - Union Pacific Railroad (UPPR) – 10% of Overcrossing Construction Cost
  - Contribution in Form of Services

PROJECT STAKEHOLDERS

- Community and Users
- Richmond Community Redevelopment Agency and City of Richmond
- Union Pacific Railroad (UPRR), Richmond Pacific Railroad (RPRR), Burlington Northern Santa Fe (BNSF)
- Utility Owners
Marina Bay Parkway Proposed Underpass
Project Features
- Funding Limited
- UPRR Approval Required
- Underpass will be dedicated to Officer Bradley A. Moody

Roadway Features
- Elimination of Train Blockages
- Safer Facility for all Modes of Transportation
- Roadway Cross Section
  - Two Vehicular Lanes in Each Direction
  - Elevated 5’ Bike Path and 5’ Pedestrian Sidewalk in Each Direction
- Safety Elements
  - Railing
  - Lighting
Typical Roadway Cross Section

Vertical Clearance
17.5' Vehicular
10' Pedestrian
Aesthetic / Landscaping Elements

- Limited to Available Space and Funding Constraints

- Areas to Assess
  - Arrival / Gateway
  - Pedestrian Elements
  - Roadway Treatment
  - Underpass
  - Community Entry Gateway
  - Memorial Identification
    - Police Department and Richmond Community Redevelopment Agency to work on incorporating possible memorial features into project
OFFICER BRADLEY A. MOODY MEMORIAL UNDERPASS

Roadway Treatment
OFFICER BRADLEY A. MOODY MEMORIAL UNDERPASS
OFFICER BRADLEY A. MOODY MEMORIAL UNDERPASS

Community Entry Gateway
Construction Features

- 3 year construction duration
- Roadway to remain open
  - One Vehicular Lane in Each Direction
  - Pedestrian path on one side
  - Limited night and/or weekend closure
- Rail bridge during weekend closure (day and night work)
- Large Equipment for Retaining Wall Construction
Next Steps

- Design Development and Approval
  - Public Input
  - Development of Plans
  - Railroad Companies Coordination
  - Public Meeting
  - Project Approval

- Schedule
  - Ready to Bid Contract Documents – December 2010
  - Construction – Spring/Summer 2011
    - 3 year construction period
Project Information
- City Web Site
- Project Fact Sheet

Contact Information
- Richmond Community Redevelopment Agency
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Presentation

Open to

Public Questions