City of Richmond
Officer Bradley A. Moody Memorial Underpass

August 23, 2010
TEAM INTRODUCTIONS

**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

**Community Outreach**
Vallier Design Associates
Grade Separation Feasibility Studies

- Richmond Community Redevelopment Agency (RCRA)
- Feasibility Study and Evaluation began in 2006
Grade Separation Feasibility Studies

- Project Purpose
  - Improved Traffic Operations
  - Decrease in Emergency Response Time
  - Increase Safety

- Evaluation of Locations
  - Traffic Delay
  - Accident Rate
  - Construction Costs and Right of Way Impact
  - Community Input
OFFICER BRADLEY A. MOODY MEMORIAL UNDERPASS

Project Features

- Grade separation of Marina Bay Parkway & the Railroad Crossing via an Underpass along Marina Bay Parkway

- Underpass will be dedicated to Officer Bradley A. Moody

Construction Funding

- Estimated Project Cost - $37.5 million
  - $1.4 million for Landscape and Aesthetics (3.7% of total budget)

- 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 Features

- Roadway Modifications
  - Roadway Reconstruction
    - South Leg of Meeker Ave/Marina Bay Parkway to 175’ south of Jetty Drive
  - Crossings Driveway Relocated
  - Retaining Walls throughout Project Site
  - Storm Drainage Pump Station
  - Replacement of Disturbed Landscaping
Project Features

- Roadway Cross Section
  - Two Vehicular Lanes in Each Direction
  - Elevated 5’ Bike Path and 5’ Pedestrian Sidewalk in Each Direction

- Multi-modal Circulation
  - West Side
    - 10’ shared pedestrian / bicycle path from Meeker Ave to Jetty Drive
    - 5’ bicycle lane from Jetty Drive to Regatta Blvd
  - East Side
    - 10’ shared pedestrian / bicycle path from Regatta Blvd to Meeker Ave
  - Marina Bay Parkway / Meeker Ave Intersection
    - Crosswalks at each leg of intersection
Typical Roadway Cross Section

Vertical Clearance
16' 9" Vehicular
10' Pedestrian
Project Features

- Roadway Cross Section
  - Two Vehicular Lanes in Each Direction
  - Elevated 5’ Bike Path and 5’ Pedestrian Sidewalk in Each Direction

- Multi-modal Circulation
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    - 5’ bicycle lane from Jetty Drive to Regatta Blvd
  - East Side
    - 10’ shared pedestrian / bicycle path from Regatta Blvd to Meeker Ave
  - Marina Bay Parkway / Meeker Ave Intersection
    - Crosswalks at each leg of intersection
Construction Features

- Roadway to Remain Open to Traffic
  - One vehicular lane in each direction
  - Pedestrian path on one side
  - AC Transit Bus Stop to maintain operation
  - Emergency Responders will use alternative route
  - Limited night and/or weekend closure

- Rail bridge construction during weekend closure (day and night work)

- Large Equipment for Retaining Wall Construction

- Five stages of construction with multiple lane shifts

Schedule

- Ready to Bid Contract Documents – December 2010
- Construction – Begin Spring/Summer 2011
- 3 year construction duration
Project Stakeholders

- Richmond Community Redevelopment Agency and City of Richmond
- Union Pacific Railroad (UPRR), Richmond Pacific Railroad (RPRR), Burlington Northern Santa Fe (BNSF)
- Utility Owners
- Community and Users
  - Design Alternatives and Aesthetic Treatment Development via Community Input
    - Meetings held April 7th, June 9th, and August 11th of 2010
Aesthetic/ Landscaping Elements in Current Design

- Limited to Available Space and Funding Constraints

- Areas to Assess
  - Underpass and Retaining Walls
    - Wall Texture
    - Railing and Fencing
  - Pedestrian Elements
    - Lighting
    - Site Furnishings
  - Roadway Treatment
    - Extent and Type of Landscaping
  - Arrival/Gateway
  - 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

Base Design Landscape Plan
Base Design of Underpass
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Base Design of Underpass
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Base Design of Wall
Base Design of Railing
Base Design of Entry
OFFICER BRADLEY A. MOODY
MEMORIAL UNDERPASSE

Project Stakeholders
- Community and Users
  - Design Alternatives and Aesthetic Treatment Development via Community Input
    - Meetings held April 7th, June 9th, and August 11th of 2010

Construction Option
- Roadway closure of Marina Bay Parkway from Jetty Drive/Pierson Drive to Meeker Avenue
  - Project duration reduced to 20 months maximum
  - Cost savings for landscaping and aesthetic enhancements
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Useable Open Space
Useable Open Space
## Useable Open Space Comparison

<table>
<thead>
<tr>
<th>Base Design</th>
<th>Enhanced Design</th>
</tr>
</thead>
<tbody>
<tr>
<td>❖ No Park</td>
<td>❖ 0.85-acre Useable Open Space</td>
</tr>
<tr>
<td>❖ No Site Furnishings</td>
<td>- Pierson Ave to Underpass</td>
</tr>
<tr>
<td>❖</td>
<td>❖ Amenities</td>
</tr>
<tr>
<td></td>
<td>- Police Memorial Wall / Artwork</td>
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<tr>
<td></td>
<td>- Shade Trees</td>
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<tr>
<td></td>
<td>- Enhanced Landscaping</td>
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<tr>
<td></td>
<td>- Open Lawn</td>
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<tr>
<td></td>
<td>- Seating, Tables and Other Site Furnishings</td>
</tr>
</tbody>
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Base Design

Enhanced Design
OFFICER BRADLEY A. MOODY MEMORIAL UNDERPASS

Base Design

Enhanced Design
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Bridge Enhanced Design
## Bridge Comparison

<table>
<thead>
<tr>
<th>Base Design</th>
<th>Enhanced Design</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Concrete with Scored Pre-cast Fascia</td>
<td>- Integral Color, Sandblast Concrete Bridge with Scored Pre-cast Fascia</td>
</tr>
<tr>
<td>- Metal Lettering</td>
<td>- Metal Lettering</td>
</tr>
<tr>
<td>- Custom Decorative Overhead Railing &amp; Columns</td>
<td>- Gateway Towers with Detailing and Metal Panels</td>
</tr>
<tr>
<td>- Sidewalk with Railing through Underpass</td>
<td>- Custom Decorative Overhead Railing &amp; Columns</td>
</tr>
<tr>
<td>- Linear Scoring on Grade Separation Wall</td>
<td>- Sidewalk with Custom Decorative Railing through Underpass</td>
</tr>
<tr>
<td></td>
<td>- Custom Decorative Scoring on Grade Separation Wall</td>
</tr>
</tbody>
</table>
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Base Design

Enhanced Design
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MEMORIAL UNDERPASS

Base Design

Enhanced Design
## Streetscape Comparison

### Base Design
- Median Planting
- Planting along Sidewalk
  - Pierson Ave to Meeker Ave
  - Row of street trees and low shrubs

### Enhanced Design
- Median Planting
- Planting along Sidewalk
  - Regatta Blvd to Meeker Ave
  - Row of street trees and low shrubs
- Tree-lined Promenade along east side
  - Regatta Blvd to Pierson Ave
- Enhanced Intersections
  - Meeker Ave & Regatta Blvd
    - Colored Paving
    - Gateway Monoliths
    - Entry Signage and Low Walls
    - Colored Accent Planting
  - Pierson Ave
    - Accent Color & Special Paving
## Streetscape Comparison

### Base Design
- Public Artwork by Others
- Chain Link Fencing
- Lighting
  - Vehicular and Pedestrian Lighting

### Enhanced Design
- Public Artwork by Others
- Cable Type Fencing
- Lighting
  - Vehicular and Pedestrian Lighting
  - Accent Lighting on Bridge Towers
  - Park Lighting
Roadway Closure Option

- Roadway closure of Marina Bay Parkway from Jetty Drive/Pierson Drive to Meeker Avenue
  - Project duration reduced to 20 months maximum versus 36 months
  - Cost savings for landscaping and aesthetic enhancements

- AC Transit Bus Stops Maintained
  - Possible additional bus stops at Marina Bay Parkway & Meeker Ave
- Emergency responders have no objections
- Jetty Drive and Pierson Ave access from Marina Bay Parkway maintained

- Use roadway detours
  - Via Regatta Blvd, Marina Bay South and Wright Ave
  - Meade Street Bypass
OFFICER BRADLEY A. MOODY MEMORIAL UNDERPASS
Enhanced Design / Full Roadway Closure Option

- Ballot Circulation
  - Ballot to be circulated via mail
    - Thursday, August 26, 2010
  - Respond to be postmarked by Monday, September 13th
  - Majority vote to determine closure option and aesthetic/landscaping budget
  - Vote outcome to be posted on web site by Monday, September 20th

- Next Steps
  - Finalize Plans
  - Design Review Board
  - Project Approval
OFFICER BRADLEY A. MOODY MEMORIAL UNDERPASS

OPTION A: BASE DESIGN PLAN AND ELEVATION
INFORMATIONAL EXHIBIT FOR THE OFFICER BRADLEY A. MOODY MEMORIAL UNDERPASS

OPTION A includes the replacement of landscaping on Marina Bay Parkway from Jetty Drive to Meeker Avenue with minimum aesthetic upgrades. Construction duration will be 36 months with Marina Bay Parkway open to one lane of traffic in each direction until the completion of construction. This option is fully funded through construction.

OPTION A: BASE DESIGN PLAN VIEW

OPTION A: BASE DESIGN ELEVATION AT MARINA BAY PARKWAY

OPTION B: ENHANCED DESIGN PLAN AND ELEVATION
INFORMATIONAL EXHIBIT FOR THE OFFICER BRADLEY A. MOODY MEMORIAL UNDERPASS

OPTION B includes the addition of usable open space, expanded landscaping limits, and enhanced aesthetic upgrades on Marina Bay Parkway from Regatta Boulevard to Meeker Avenue. Construction duration will be 20 months with the closure of Marina Bay Parkway from Jetty Drive to Meeker Avenue until the completion of construction. This option is fully funded through construction. The shortened construction duration will provide cost savings that will be allocated to the addition of usable open space, expanded landscaping limits, and enhanced aesthetic upgrades.

OPTION B: ENHANCED DESIGN PLAN VIEW

OPTION B: ENHANCED DESIGN ELEVATION AT MARINA BAY PARKWAY

For further information or questions, please contact Richmond Community Redevelopment Agency Staff at 510.307.8140, or visit http://www.richmond-ca.gov/indextpl?IND=851.
OFFICER BRADLEY A. MOODY MEMORIAL UNDERPASS

Ballot Form

CITY OF RICHMOND
ADVISORY BALLOT FOR THE SELECTION OF THE PREFERRED DESIGN OPTION FOR THE OFFICER BRADLEY A. MOODY MEMORIAL UNDERPASS

This Ballot is for the owner and/or tenant for the property designated with the following Assessor’s Parcel Number (APN) and address:

**You will pre-label with own and location address for each ballot**

Please check one box to indicate whether you are the property owner, tenant or owner occupant of the property referenced above and provide your name and mailing address below:

- Property Owner
- Tenant
- Owner Occupant

Name: __________________________

Mailing Address: __________________________

This is your Ballot for the selection of the preferred option for the Officer Bradley A. Moody Memorial Underpass Project (Project) located on Marina Bay Parkway between Meeker Avenue and Regatta Boulevard. The results of this ballot will assist the City in determining the design option and construction duration implemented for the construction phase of the Project. Please see the enclosed exhibit for detailed description, plan and elevation of ‘Option A: Base Design’ and ‘Option B: Enhanced Design’.

To complete your Ballot, please check only one box in front of either ‘Option A: Base Design’ or ‘Option B: Enhanced Design’ and mail this prepaid, self-addressed postcard no later than the closing date of Monday, September 13, 2010. Ballots not postmarked by the closing date will not be counted.

☐ I vote for Option A: Base Design

Option A includes the replacement of landscaping on Marina Bay Parkway with minimum aesthetic upgrades. Construction duration will be 36 months with Marina Bay Parkway open to one lane of traffic in each direction until the completion of construction.

☐ I vote for Option B: Enhanced Design

Option B includes the addition of usable open space, landscaping, and enhanced aesthetic upgrades on Marina Bay Parkway. Construction duration will be 20 months with the closure of Marina Bay Parkway from Jetty Drive to Meeker Avenue until the completion of construction.
Enhanced Design / Full Roadway Closure Option

- Ballot Circulation
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    - Thursday, August 26, 2019
  - Respond to be postmarked by Monday, September 13th
  - Majority vote to determine closure option and aesthetic/landscaping budget
  - Vote outcome to be posted on web site by Monday, September 20th

- Next Steps
  - Finalize Plans
  - Design Review Board
  - Project Approval
Project Information

- City Web Site

- Project Fact Sheet

Contact Information

- Richmond Community Redevelopment Agency
  - Alan Wolken, Director (510) 307-8140, alan_wolken@ci.richmond.ca.us
  - Chadrick Smalley, Project Manager (510) 412-2067, chadrick_smalley@ci.richmond.ca.us
Presentation
Open to
Public Questions
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Enhanced Design
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Bridge Enhanced Design
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Enhanced Design