Design Aesthetic Advisory Committee
Meeting - July 10, 2012

SIXTH STREET VIADUCT REPLACEMENT

Gary Lee Moore, P.E.
City Engineer

Deborah Weintraub, AIA, LEED AP
Chief Deputy City Engineer

Alfred L. Mata, P.E.
Project Manager

City of Los Angeles
Department of Public Works
Engineering
Agenda

- Introductions
  - Design Aesthetic Advisory Committee Members (DAAC)
- Sixth Street Viaduct Replacement Project
- Design Priorities
- DAAC Input on Design
- Public Input on Design
- End Meeting
Design Aesthetic Advisory Committee

- **Hitoshi Abe**  Chair, UCLA Dept of Architecture and Urban Design
  Principal, Atelier Hitoshi Abe
- **Cesar Armendariz**  President of Board of Directors, Boyle Heights Chamber of Commerce
  Professor, USC Marshall School of Business
- **Yuval Bar-Zemer**  Arts District Resident
  President and CEO, Linear City, LLC
- **Jonathan Jerald**  Arts District Resident
  Secretary, Los Angeles River Artists Business Association (LARABA)
- **Tony V. Harris, PE**  Partner, Point C, LLC
- **Ozzie Lopez**  Executive Director, Boyle Heights Technology Center
  City of Los Angeles Community Development Department
- **Lewis MacAdams**  President, Friends of the Los Angeles River (FoLAR)
- **Eric Owen Moss, FAIA**  Principal, Eric Owen Moss Architects
  Director, Southern California Institute of Architecture (SCI-Arc)
- **Doug Suisman, FAIA**  Principal, Suisman Urban Design
VISION STATEMENT

“TO LEAD THE TRANSFORMATION OF LOS ANGELES INTO THE WORLD’S MOST LIVABLE CITY.”
Sixth Street Viaduct Replacement Project
In Conjunction with Caltrans & FHWA
Approved Project

EIR/EIS Completed
- Replace Viaduct
- New Alignment
- Cable Stayed
- $401M Budget

Benefits
- Creates Roadway Shoulders
- Provides Wider Sidewalks
- Removes Kink in Bridge
- Provides Safety Median Buffer
- Multimodal: Pedestrians & Bikes
- River Access & Enhancements
# Project Elements

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Real Estate</td>
<td>Impact 32 parcels – whole/partial acquisitions, relocations</td>
</tr>
<tr>
<td>Main Span</td>
<td>Signature Bridge, Cable Stayed, Concrete</td>
</tr>
<tr>
<td>West Approach, East Approach</td>
<td>Concrete Box Girders</td>
</tr>
<tr>
<td>Roadway</td>
<td>4 Vehicular, 2 Bike Lanes, Median, Shoulders, Ped Walkway</td>
</tr>
<tr>
<td>Utility Relocations</td>
<td>Avoid Overhead Transmission Lines, Relocate Others</td>
</tr>
<tr>
<td>Railroad Corridors</td>
<td>Safety Shields, River Access Tunnel Under RR Tracks</td>
</tr>
<tr>
<td>LA River</td>
<td>In-Channel Work, Consistent with Revitalization Plans</td>
</tr>
<tr>
<td>Street Improvements</td>
<td>Temporary and Permanent, 20 Intersections</td>
</tr>
<tr>
<td>Demolition</td>
<td>Existing Viaduct, Approximately 10 Existing Buildings</td>
</tr>
</tbody>
</table>
## Project Budget

<table>
<thead>
<tr>
<th>Project Phase</th>
<th>$ Amount (in millions)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preliminary Engineering and Environmental Clearance</td>
<td>17</td>
</tr>
<tr>
<td>Program Management and Final Design</td>
<td>20</td>
</tr>
<tr>
<td>Right-of-Way</td>
<td>105</td>
</tr>
<tr>
<td>Construction and Construction Management</td>
<td>259</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>401</strong></td>
</tr>
</tbody>
</table>
## Construction Budget by Element

<table>
<thead>
<tr>
<th>Design Consultant Scope</th>
<th>$ Amount (in millions)</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Viaduct</td>
<td>140</td>
</tr>
<tr>
<td>Demolition</td>
<td>12</td>
</tr>
<tr>
<td>Roadway and Intersection Improvements</td>
<td>10</td>
</tr>
<tr>
<td>Other Street Improvements</td>
<td>13</td>
</tr>
<tr>
<td>Tunnel and Railroad Improvements</td>
<td>10</td>
</tr>
<tr>
<td>River, Landscaping, Bicycle, Pedestrian</td>
<td>5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>190</strong></td>
</tr>
</tbody>
</table>
Project Constraints

Railroad Corridors

Los Angeles River

High Voltage Transmission Lines
Design Priorities

- Main Span is to be a cable-stayed bridge
- Distinct architectural expressions
  - size, shape, number, and relationship of towers
  - configuration of cable connections
  - design of railings
  - configuration of sidewalks
  - introduction and design of belvederes
  - design of underside of Viaduct
  - choice of colors, materials and textures
  - choice of decorative and functional lighting
  - design of potential gateway elements
Design Priorities

• Crossing Viaduct in automobile, on bicycle, or on foot

• Viewing the Viaduct
  • immediately to east and west of River
  • underside of the Viaduct
  • from the other River spans to the north and south

• Relating the Viaduct to the nearby historic River crossings

• Views of the adjacent bridges and the City skyline

• View when future River-adjacent public paths are developed

• Daytime and nighttime experience
Design Priorities

• Environmentally advanced structure
  • Sustainability goals
  • Low impact development goals
  • Green building goals
  • Sensitivity to supporting all modes of traversing the Viaduct

• Connections to neighborhoods in Viaduct proximity

• Facilitate/celebrate implementation of LA River Revitalization Master Plan

• Low embodied energy of material choices

• Efficient construction methods

• Create well-used public spaces
Project Oversight

Project Oversight
  Mayor’s Office
  City Council District 14 Office
  Board of Public Works
  Seismic Bond Governance Oversight Committee

Funding Oversight
  California Department of Transportation (Caltrans)
  Federal Highway Administration (FHWA)

Design Aesthetic Advisory Committee Input
Design Aesthetic Advisory Committee

- DAAC to provide input on:
  - Bridge aesthetics for the new structure
  - Associated roadways under new structure
  - Colors, textures, lighting, railings
  - Community/City gateway monumental elements

- DAAC participation
  - design review meetings
Design Teams Under Consideration

- AECOM
- ARUP
- HNTB
- Parsons
- Parsons Brinckerhoff
- SOM (Skidmore, Owings & Merrill)
Project Schedule

End of 2012  Selection of Design Consultant
Summer 2014 Complete Right-of-Way Activities
Summer 2014 Complete Design
Early 2015 Begin Viaduct Demolition/Construction
End of 2018 Complete Construction
## Design Consultant Selection

<table>
<thead>
<tr>
<th>Milestone</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select 3 Consultants for Design Competition</td>
<td>Jul 31, 2012</td>
</tr>
<tr>
<td>Public Presentations #1 and #2 (by Design Teams)</td>
<td>Sep 12 &amp; 13, 2012</td>
</tr>
<tr>
<td>Public Presentations #3 and #4 (by BOE)</td>
<td>Sep 17 &amp; 18, 2012</td>
</tr>
<tr>
<td>Select Design Consultant</td>
<td>Oct 2012</td>
</tr>
</tbody>
</table>
Sixth Street Viaduct Replacement Project

DAAC Input
Public Input
Sixth Street Viaduct Replacement Project

Thank you for attending!

For more information:
Visit: www.la5thstreetviaduct.org
Email: bpw.pao@lacity.org
Phone: 213 978-0333