WELCOME

BIDDER’S CONFERENCE/CONTRACTOR OUTREACH and NETWORKING EVENT

Derek J. Pool, P.E., Small Business Manager, Toll Bridge Program

Steven Hulsebus, P.E., District Division Chief, Toll Bridge Design
CYPRRESS MANDELA

Art Shanks, Director
Cypress Mandela Training Center
Additional Information

• Please submit questions in writing on the cards provided. Any answers provided today are preliminary and not considered final until posted on the bidder web site.

• Webpage for Bidders Inquiry:
  http://www.dot.ca.gov/dist4/construction/Inquiries/04-0120M4_inquiry.html

• Future inquiries may be addressed to the Duty Senior
  email: Duty_Senior_District04@dot.ca.gov
  Mailing address: P.O. Box 23660, Oakland, CA 94623-0660
  Phone number: (510) 286-5209

All inquiries must include the contract number (04-0120M4)
DESIGN and SPECIFICATIONS

Rafael A. Ravelo, P.E., Transportation Engineer
Toll Bridge Design

and

Mike Whiteside, P.E., Structures Specifications Manager
Toll Bridge Design

THE SAN FRANCISCO-OAKLAND BAY BRIDGE
EAST SPAN SEISMIC SAFETY PROJECT
### New East Span

<table>
<thead>
<tr>
<th>Segment</th>
<th>YBI</th>
<th>SAS</th>
<th>Skyway</th>
<th>Oakland Touchdown</th>
</tr>
</thead>
<tbody>
<tr>
<td>Westbound</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eastbound</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Top View</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. 04-0120L4 Oakland Touchdown Contract 1 (Completed)
2. 04-0120M4 Oakland Touchdown Contract 2
Scope of Work

• Construct remaining portion of the eastbound superstructure (Frame 2) and Abutment E23R.

• Construct at-grade approaches to the new East Span and maintenance roads.

• Construct bike path, bike path abutment, bike path ramp, bike path landing, and public parking lot.

• Electrical Work and Landscaping.
Contract Schedule Information

- Bid Opening: Jan 18, 2012
- Contract Award: Feb 17, 2012
- Start Field Work: Apr 27, 2012

Total Contract Duration: 855 Working Days (Calendar Days)
Number of Construction Stages: 4 Total

Designated Portions of Work: 4 total
Cost + Time contract bidding
Access Challenges

• Project Access.
  • Access through Burma Road & US Army/EBRPD Property.
  • Access on Right Hand Side of WB I-80 (After metering lights).

• Ongoing Contracts near project limits.
  • Access through the work limits for other contractors is required (Addendum 1).

• No Designated Areas for Contractors Use.
  • Temporary Storage of Equipment and Materials on state right of way is allowed with prior approval.
  • Zero-load requirement for EBMUD outfall line.
• Major Changes
  • Seismic Joints.
  • Order of Work and other various minor changes.
Typical Section

Note:
1. Pier E21R shown for information only. Piers E20R & E22R similar.
THE SAN FRANCISCO-OAKLAND BAY BRIDGE
EAST SPAN SEISMIC SAFETY PROJECT
THE SAN FRANCISCO-OAKLAND BAY BRIDGE
EAST SPAN SEISMIC SAFETY PROJECT
LANDSCAPE DESIGN

Clive Endress, Senior Landscape Architect
Toll Bridge Landscape Design

THE SAN FRANCISCO-OAKLAND BAY BRIDGE
EAST SPAN SEISMIC SAFETY PROJECT
### PLANT LIST AND PLANTING SPECIFICATIONS

<table>
<thead>
<tr>
<th>PLANT GROUP</th>
<th>PLANT NO</th>
<th>SYMBOL</th>
<th>BOTANICAL NAME</th>
<th>COMMON NAME</th>
<th>SIZE</th>
<th>QUANTITY EACH</th>
<th>HO ELL SIZE (cm)</th>
<th>BASEN TYPE</th>
<th>IRON SULFATE</th>
<th>SOIL AMEND</th>
<th>COMMERCIAL FERTILIZER</th>
<th>BASSIN MULCH</th>
<th>STAKING</th>
<th>PLANTING LIMITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>1</td>
<td>1</td>
<td>ABROSTACHYS JULIFERA DRELAND</td>
<td>MANZANITA</td>
<td>No.1</td>
<td>154</td>
<td>450 x 600</td>
<td>600</td>
<td>1</td>
<td>--</td>
<td>0.03 m³</td>
<td>225 g</td>
<td>225 g</td>
<td>0.04 m³</td>
</tr>
<tr>
<td>B</td>
<td>11</td>
<td>11</td>
<td>NEUZELAND FLAX</td>
<td>NEW ZEALAND FLAX</td>
<td>No.5</td>
<td>632</td>
<td>600 x 600</td>
<td>600</td>
<td>1</td>
<td>--</td>
<td>0.15 m³</td>
<td>225 g</td>
<td>225 g</td>
<td>0.04 m³</td>
</tr>
<tr>
<td>C</td>
<td>12</td>
<td>12</td>
<td>NEW ZEALAND FLAX</td>
<td>NEW ZEALAND FLAX</td>
<td>No.5</td>
<td>55</td>
<td>600 x 600</td>
<td>600</td>
<td>1</td>
<td>--</td>
<td>0.15 m³</td>
<td>225 g</td>
<td>225 g</td>
<td>0.04 m³</td>
</tr>
<tr>
<td>D</td>
<td>13</td>
<td>13</td>
<td>NEW ZEALAND FLAX</td>
<td>NEW ZEALAND FLAX</td>
<td>No.5</td>
<td>658</td>
<td>600 x 600</td>
<td>600</td>
<td>1</td>
<td>--</td>
<td>0.15 m³</td>
<td>225 g</td>
<td>225 g</td>
<td>0.04 m³</td>
</tr>
<tr>
<td>E</td>
<td>14</td>
<td>14</td>
<td>NEW ZEALAND FLAX</td>
<td>NEW ZEALAND FLAX</td>
<td>No.5</td>
<td>64</td>
<td>600 x 600</td>
<td>600</td>
<td>1</td>
<td>--</td>
<td>0.15 m³</td>
<td>225 g</td>
<td>225 g</td>
<td>0.04 m³</td>
</tr>
<tr>
<td>F</td>
<td>15</td>
<td>15</td>
<td>NEW ZEALAND FLAX</td>
<td>NEW ZEALAND FLAX</td>
<td>No.5</td>
<td>64</td>
<td>600 x 600</td>
<td>600</td>
<td>1</td>
<td>--</td>
<td>0.15 m³</td>
<td>225 g</td>
<td>225 g</td>
<td>0.04 m³</td>
</tr>
<tr>
<td>G</td>
<td>16</td>
<td>16</td>
<td>TURF GRASS</td>
<td>DEER GRASS</td>
<td>No.1</td>
<td>5.6</td>
<td>600 x 600</td>
<td>600</td>
<td>1</td>
<td>--</td>
<td>0.15 m³</td>
<td>225 g</td>
<td>225 g</td>
<td>0.04 m³</td>
</tr>
<tr>
<td>H</td>
<td>17</td>
<td>17</td>
<td>TURF GRASS</td>
<td>MEXICAN PROVISO</td>
<td>No.1</td>
<td>10.6</td>
<td>600 x 600</td>
<td>600</td>
<td>1</td>
<td>--</td>
<td>0.15 m³</td>
<td>225 g</td>
<td>225 g</td>
<td>0.04 m³</td>
</tr>
<tr>
<td>I</td>
<td>18</td>
<td>18</td>
<td>TURF GRASS</td>
<td>MEXICAN PROVISO</td>
<td>No.1</td>
<td>10.6</td>
<td>600 x 600</td>
<td>600</td>
<td>1</td>
<td>--</td>
<td>0.15 m³</td>
<td>225 g</td>
<td>225 g</td>
<td>0.04 m³</td>
</tr>
<tr>
<td>J</td>
<td>19</td>
<td>19</td>
<td>TURF GRASS</td>
<td>MEXICAN PROVISO</td>
<td>No.1</td>
<td>10.6</td>
<td>600 x 600</td>
<td>600</td>
<td>1</td>
<td>--</td>
<td>0.15 m³</td>
<td>225 g</td>
<td>225 g</td>
<td>0.04 m³</td>
</tr>
<tr>
<td>K</td>
<td>20</td>
<td>20</td>
<td>TURF GRASS</td>
<td>MEXICAN PROVISO</td>
<td>No.1</td>
<td>94</td>
<td>600 x 600</td>
<td>600</td>
<td>1</td>
<td>--</td>
<td>0.15 m³</td>
<td>225 g</td>
<td>225 g</td>
<td>0.04 m³</td>
</tr>
<tr>
<td>L</td>
<td>21</td>
<td>21</td>
<td>MEDITERRANEAN FAN PALM</td>
<td>MEDITERRANEAN FAN PALM</td>
<td>No.1</td>
<td>11</td>
<td>900 x 900</td>
<td>900</td>
<td>1</td>
<td>--</td>
<td>0.15 m³</td>
<td>225 g</td>
<td>225 g</td>
<td>0.04 m³</td>
</tr>
<tr>
<td>M</td>
<td>22</td>
<td>22</td>
<td>CANARY ISLAND DATE PALM</td>
<td>CANARY ISLAND DATE PALM</td>
<td>No.1</td>
<td>9</td>
<td>900 x 900</td>
<td>900</td>
<td>1</td>
<td>--</td>
<td>0.15 m³</td>
<td>225 g</td>
<td>225 g</td>
<td>0.04 m³</td>
</tr>
<tr>
<td>N</td>
<td>23</td>
<td>23</td>
<td>CALIFORNIA POPULUS</td>
<td>CALIFORNIA POPULUS</td>
<td>No.1</td>
<td>14</td>
<td>900 x 900</td>
<td>900</td>
<td>1</td>
<td>--</td>
<td>0.15 m³</td>
<td>225 g</td>
<td>225 g</td>
<td>0.04 m³</td>
</tr>
<tr>
<td>O</td>
<td>24</td>
<td>24</td>
<td>DAVIS BEAUMONTIS</td>
<td>DAVIS BEAUMONTIS</td>
<td>No.1</td>
<td>10.6</td>
<td>600 x 600</td>
<td>600</td>
<td>1</td>
<td>--</td>
<td>0.15 m³</td>
<td>225 g</td>
<td>225 g</td>
<td>0.04 m³</td>
</tr>
<tr>
<td>P</td>
<td>25</td>
<td>25</td>
<td>PAPERBARK TREE</td>
<td>PAPERBARK TREE</td>
<td>No.1</td>
<td>11</td>
<td>600 x 600</td>
<td>600</td>
<td>1</td>
<td>--</td>
<td>0.15 m³</td>
<td>225 g</td>
<td>225 g</td>
<td>0.04 m³</td>
</tr>
<tr>
<td>Q</td>
<td>26</td>
<td>26</td>
<td>CANARY ISLAND DATE PALM</td>
<td>CANARY ISLAND DATE PALM</td>
<td>No.1</td>
<td>9</td>
<td>900 x 900</td>
<td>900</td>
<td>1</td>
<td>--</td>
<td>0.15 m³</td>
<td>225 g</td>
<td>225 g</td>
<td>0.04 m³</td>
</tr>
</tbody>
</table>
Manzanita ‘Howard Mcminn’

California Sagebrush ‘Montara’

Douglas Iris

Flannelbush ‘Ken Taylor’

Purple Sage ‘Point Sal Spreader’

New Zealand Flax ‘Dark Delight’
Canary Island Date Palm (Phoenix Canariensis)

- Emphasize beginning and end of East Span
- Immediate impact, strong bold form, reinforce the vertical form of the light poles
- Horticulturally appropriate -- suited to waterfront environment, salt air, wind, and high water table
- Maximize view
ENVIRONMENTAL CONSIDERATIONS and PERMITS

Courtney Cacace, Ecologist
Toll Bridge Environmental

and

Kamran Nakhjiri P.E., Branch Chief, Water Pollution Control
Office of Environmental Engineering
Environmental Regulatory Agency Permits

San Francisco Bay Conservation & Development Commission (BCDC)

State and Regional Water Quality Control Boards

California Department of Fish & Game (CDFG)

United States Fish & Wildlife Service (USFWS)

United States Coast Guard (USCG)

United States Army Corp of Engineers (ACOE)

National Oceanic and Atmospheric Administration’s National Marine Fisheries Service (NMFS)

THE SAN FRANCISCO-OAKLAND BAY BRIDGE EAST SPAN SEISMIC SAFETY PROJECT
Biological Resources

- Least Tern (*endangered*)
- Brown Pelican (*fully protected species*)
- Double-Crested Cormorant (*MBTA, CDFG Watch List*)
- American Peregrine Falcon (*fully protected species*)
- Western Gull (*MBTA*)
- Pacific Herring (*State Managed Commercial Fishery*)
- Chinook Salmon & Steelhead (*endangered/threatened*)
- Green Sturgeon (*threatened*)
- Longfin Smelt (*threatened*)
- Marine Mammals (*MMPA*)
- Eelgrass Beds (*Special Aquatic Habitats*)
**Bird Protection**

- Migratory Bird Treaty Act & Fish and Game Code protect birds, their nests and eggs.
- Nesting surveys prior to vegetation clearing or bridge removal.
- Upon discover stop work and provide buffer as directed by Engineer.

**Occupies Nest**

**Initial Protection Radius**

30 m (100 ft)

---

**Western Gull nesting on marine foundation SAS Contract**

---

**BIRD NESTING SEASON**

<table>
<thead>
<tr>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
<th>Jul</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>BIRD NESTING SEASON</strong></td>
</tr>
</tbody>
</table>
In-Water Work Restrictions

• Herring spawns may delay in-water work for up to 14 days.

• Coordinate in-water work with the Engineer. The Department will perform monitoring as required by Permits.

<table>
<thead>
<tr>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
<th>Jul</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Herring Spawning</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Environmentally Sensitive Areas

- Eelgrass Beds
- Wetlands
- Shoreline Habitat
- Historic Buildings
Water Quality Permit Compliance

- Contractor must comply with the following State and Regional Water Quality Control Board permits and plans:
  - State NPDES Construction General Permit (CGP) DWQ 2009-0009
  - Caltrans Statewide MS4 NPDES Permit DWQ 99-06
  - SFOBB Water Quality Certification Order 01-120 (401 Cert)
  - SFOBB Waste Discharge Requirements Order R2-2002-0011 (WDRs)
  - SF RWQCB Basin Plan
  - Other associated permits (BCDC, CDFG, etc.)
**Numeric Action Levels Requirements**

For a risk level 2 project, NALs must comply with the values shown in the following table:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Test method</th>
<th>Detection limit (min)</th>
<th>Unit</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>Field test with calibrated portable instrument</td>
<td>0.2</td>
<td>pH</td>
<td>Lower NAL = 6.5 Upper NAL = 8.5</td>
</tr>
<tr>
<td>Turbidity</td>
<td>Field test with calibrated portable instrument</td>
<td>1</td>
<td>NTU</td>
<td>250 NTU max</td>
</tr>
</tbody>
</table>

- The storm event daily average must not exceed the NAL for pH.
- The storm event daily average must not exceed the NAL for turbidity.
Storm Water Pollution Prevention Plan (SWPPP)

Contractor must submit a SWPPP to identify pollutant sources to minimize discharges and prevent material or equipment from falling into, on or being discharged to waters through the use of Best Management Practices.

Examples of BMPs:

- Construction Site Management
- Temporary Active Treatment System
- Temporary Silt Fence
- Temporary DI Protection
- Temporary Erosion Controls Measures
- Temporary Fiber Roll
- Run-on Prevention
- Run-off Prevention
- Temporary Check Dam
- Street Sweeping
- Temporary Concrete Washout
- Temporary Cover
Storm Water Pollution Prevention Plan (SWPPP)

- Construction Site Monitoring Program (CSMP)
- Storm Water Annual Report
- Sampling and Analysis Plan (SAP)
- Rain Event Action Plan (REAP)*
- Dewatering & Discharge Plan or ATS Plan
- Weekly Inspection & Reporting
POTENTIAL SMALL BUSINESS OPPORTUNITIES

Opportunities found within this contract MAY include, but are not limited to, services, suppliers, removal and/or installation of the following items:

Concrete Barriers  Material Sampling and Analysis
Concrete Services  Environmental Monitoring
Lumber  Steel/Plastic Piping
Crash Cushions  Roadway Excavation
Aggregate Base  Asphalt Concrete
Fencing and Railing  Electrical
Seismic Monitoring  Traffic Control/Management
Traffic Striping and Delineation  Signing
Landscaping and Irrigation  Environmental Protection/Controls
Site Maintenance  Plant Establishment
Vibration Monitoring  Mapping/
Surveying

Electricians, Welders and Carpenters will also be needed on this construction contract.
QUESTIONS & ANSWERS?
THANK YOU