Upper Amargosa Creek Flood Control, Recharge, and Habitat Restoration Project

Overview - Overall project has two construction elements:

- **Project B – UAC Turnout and 48-Inch Conveyance Pipeline Project**
  - Structural Connection to the Aqueduct and
  - Pipeline to transfer water from the Aqueduct to the Recharge Basins

- **Project C – UAC Realignment, Recharge Basins and Restoration Project**
  - The recharge basins, creek realignment and restoration/park area.
Project B – Aqueduct Turnout Structure and Pipeline

- Turnout located within Pool 52 per DWR

48-Inch Conveyance Pipeline

Pool 52 Relocated Turnout Location
Project B – Aqueduct Turnout and Pipeline
Example of 48-Inch Conveyance Pipeline

• Alignment –
beginning at the
DWR Pool 52 of the
Aqueduct traversing
down City Ranch
Road, then east on
Elizabeth Lake
Road to the
Recharge Ponds.
Project C – Realignment, Recharge Basins and Restoration Project
The recharge basins, creek re-alignment and park area. Conceptual Simulation
Proposed Improvements w/Future Buildout
Project Status October 2018

Projects

- August 07 2018 – City Council awarded Upper Amargosa Creek Turnout and Pipeline Project (PN 591-B) to Nicholas Construction, Inc. for the amount of $6,036,500. The following is an estimate of anticipated expenditures for this project No. 591-B:

<table>
<thead>
<tr>
<th>Description</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>PN 591-B Construction Contract</td>
<td>$6,036,500</td>
</tr>
<tr>
<td>PN 591-B Contingency (15%)</td>
<td>$909,525</td>
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<tr>
<td>Contract CM &amp; Inspection</td>
<td>$372,667</td>
</tr>
<tr>
<td>Labor Compliance</td>
<td>15,100</td>
</tr>
<tr>
<td>Legal Advertising</td>
<td>2,853</td>
</tr>
<tr>
<td>City Administration</td>
<td>$100,000</td>
</tr>
<tr>
<td>Total</td>
<td>$7,436,645</td>
</tr>
</tbody>
</table>

- On October 2, 2018, City Council will award the Upper Amargosa Creek Recharge, Realignment and Habitat Restoration Project (PN 591-C) in the amount of $5,894,440, to Bowe Contractors, Inc.
The following is an estimate of anticipated expenditures for this Project No. 591-C:

<table>
<thead>
<tr>
<th>Description</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>PN 591-B Total Construction Costs (awarded 8/2018)</td>
<td>$7,436,645</td>
</tr>
<tr>
<td>PN 591-C Construction Contract</td>
<td>$5,894,440</td>
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<tr>
<td>PN 591-C Contingency</td>
<td>$114,185</td>
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<tr>
<td>PN 591-C Contract CM &amp; Inspection</td>
<td>$954,840</td>
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<tr>
<td>PN 591-C Labor Compliance</td>
<td>$20,160</td>
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<tr>
<td>PN 591-C Legal Advertising</td>
<td>$2,853</td>
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<tr>
<td>PN 591-C City Administration</td>
<td>$25,000</td>
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</tbody>
</table>

Total Construction Costs $14,448,123
Project Schedule 2018

- **Project B – UAC Aqueduct Turnout and 48-Inch Conveyance Pipeline Project**
- Pre-construction meeting was on September 25th, 2018.
- RFIs and cofferdam plans were submitted to AECOM (CM) and DWR and were approved.
- October 15, 2018 – Mobilization
- November 15, 2018, install the cofferdam; Start construction.
Project Schedule 2018

Project C – UAC Realignment, Recharge Basins and Restoration Project

- October 2\textsuperscript{nd}, 2018- Award by City Council.
- *Possible pre-Construction meeting week of October 15\textsuperscript{th}.
- *Bowe submittals to PSOMAS (CM).
- *Compliance with EIR.

* These dates are tentative.
Project Schedule 2018

• Critical Dates for Project B – Turnout and pipeline
  o 78 calendar days (50 working days) allotted for “aqueduct turnout construction” within the canal from November 15, 2018 to January 31, 2019.

• Critical Dates for Project C – Recharge, Flood Control
  o November 1, 2018 to March 1 2019. CDFW considers this period the Wet Season. In accordance with permit requirements, construction can proceed in creek areas when no surface water is present.
Project Costs

• Estimated Total Cost of the project is $17,000,000. Contributions are:
• $6,500,000 from Prop 1E
• $5,000,000 from AVEK, L.A. County Waterworks, and PWD
• City of Palmdale has contributed approximately $3,898,000 to date
Project Costs (cont.)

- AVEK has contributed $276,938 to date.
- PWD has contributed $138,469 to date.
- Waterworks has contributed $138,469 to date.
- City of Palmdale has contributed $898,000 for design and approx. $3,000,000 towards environmental, wages, 5 monitoring wells, property acquisitions, studies, etc.
Project Costs (cont.)

- Current construction cost estimate is $12,954,650*
- Total Project Cost Estimate $17,000,000
- 72% of costs is for recharge facilities
- 16% of costs is for flood control
- 12% of costs is for habitat restoration

*Bids from Nicholas and Bowe with contingencies.