Additional Supplemental Environmental Project (SEP) Funding

for Santa Ana Sucker Habitat Project

SAWPA Commission
January 19, 2016
Recommendation

That the Commission authorizes staff to enter into an agreement to receive approximately $39,000 in Supplemental Environmental Project (SEP) funding from a Santa Ana Regional Water Board fine levied on the City of Norco.
Background

- Briefed Commission on Feb 17, 2015; June 16, 2015; July 7, 2015

- Sucker Fish
  - Listed as “threatened” by US Fish & Wildlife
  - Likes Cobble/Rocks

- Santa Ana Sucker Conservation Team
  - City of Riverside
  - OCWD
Agreements for Project

1: SAWPA – USFWS
   - $37K

2: SAWPA – Regional Water Board and City of Beaumont
   - $24K

3: SAWPA – Regional Water Board and City of Norco
   - $39K

Total $100K
Project Deliverables

- Same for Beaumont and Norco Agreements
- Evaluation of pre and post project conditions for USFWS Agreement
Recommendation

That the Commission authorizes staff to enter into an agreement to receive approximately $39,000 in Supplemental Environmental Project (SEP) funding from a Santa Ana Regional Water Board fine levied on the City of Norco, with approval, subject to minor edits by the City of Norco, if needed.
Supporting Information
<table>
<thead>
<tr>
<th>Line Item</th>
<th>Regional Board and US Fish and Wildlife Service Funding*</th>
<th>Further Detail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrologist</td>
<td>$4,000</td>
<td>Assumes $125/hour</td>
</tr>
<tr>
<td>Biologist</td>
<td>$8,000</td>
<td>Assumes $125/hour</td>
</tr>
<tr>
<td>Permitting (408 Permit with Army Corps)</td>
<td>$4,000</td>
<td>Assumes $125/hour</td>
</tr>
<tr>
<td>Permitting Contingency</td>
<td>$4,000</td>
<td>Assumes $125/hour</td>
</tr>
<tr>
<td>Biological Monitoring</td>
<td>$8,000</td>
<td>Assumes $100/hour</td>
</tr>
<tr>
<td>Heavy Equipment, Equipment Operators, Fuel</td>
<td>$44,000</td>
<td>Heavy equipment may include dump truck(s), backhoe(s)</td>
</tr>
<tr>
<td>Rock and Substrate Material Contingency</td>
<td>$10,000</td>
<td>Assumes rock agreement with SBVWMD; $35/quarter ton (funds from other sources augment costs)</td>
</tr>
<tr>
<td>Heavy Equipment Contingency</td>
<td>$8,000</td>
<td>Heavy equipment may include dump truck(s), backhoe(s)</td>
</tr>
<tr>
<td>Project Implementation Development (site planning, access, agreements, etc.)</td>
<td>$10,000</td>
<td>Assumes $125/hour</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$100,000</strong></td>
<td></td>
</tr>
</tbody>
</table>

*This includes $37,000 from the US Fish and Wildlife Service Carlsbad Office, $24,000 from the City of Beaumont and $39,000 from the City of Norco through the Regional Water Board Supplemental Environmental Project agreements.
<table>
<thead>
<tr>
<th>Task/Subtask</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Project Management</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Project Management</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contract with Regional Board</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Submittal of Quarterly Reports</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Implementation</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Project Implementation Plan</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rock Location in River (Heavy Equipment)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Monitoring</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biological and Water Quality Monitoring</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Inland Empire Brine Line
Reach V Rehabilitation and Improvement Project

Item 5.B
January 19, 2016
Recommendation

- Authorize the GM to approve:
  - Change Order 2 to Task Order VALI326-02 with Vali Cooper and Associates for additional Construction Management and Inspection Services for the Project for an amount not to exceed $562,344;
  - Change Order 1 to Task Order DUDK326-02 with Dudek for additional Engineering Services during Construction for the Project for an amount not to exceed $64,420; and
  - Change Order 2 to Work Order No. 2016-16 with Ramtech Laboratories for additional CIPP Laboratory Testing for the Project for an amount not to exceed $53,428.
Project Description and Location

- CIPP Line (23,000 ft)
- CIPP Access Pits (17)
- MAS Structures (19)
- Mainline Valves (8)
- Laser Profile Insp (26,000 ft)
- Replace (17) Air Vacs and (18) Blow-Off Valves

Begin Project

Dos Lagos

By-pass Reach 1

End Project
Current Work Activities

- **Reach 2 Shutdown**
  - Install MAS for Reach 2 by-pass
  - CCTV / clean / laser profile (I15)
- **Liner 1 and 9** – Investigate / repair rope burn
- **Liner 4,5** – Repair Wrinkle
- **Liner 16** - Repair blow – off connection and pressure test
- **Liner 14** – Remove and Replace 180 feet
Additional CM Services due to Contractor Delays

- Contract Duration 400 Days, with Contract Completion of 2/8/16
- Contractor’s Recent Schedule Update – Completion Date of 8/6/16 (159 Days)
- 60% of Contract Work Remaining
- Additional Inspection Costs due to Contractor Delays $430,790
- Liquidated Damages $5,000 / day
### Additional CM Services due to Contractor Delays

<table>
<thead>
<tr>
<th>Activity</th>
<th>Completed (Original Budget)</th>
<th>Remaining (Additional Budget)</th>
<th>Remaining %</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIPP Liner Installation (ft)/(Installs)</td>
<td>12,085 feet (16)</td>
<td>13,950 feet (19)</td>
<td>54%</td>
</tr>
<tr>
<td>Install by-pass system</td>
<td>12,085 feet</td>
<td>13,950 feet</td>
<td>54%</td>
</tr>
<tr>
<td>Remove by-pass system</td>
<td>0</td>
<td>26,032 feet</td>
<td>100%</td>
</tr>
<tr>
<td>CCTV/Laser Profiling/Cleaning</td>
<td>36,255 feet</td>
<td>41,850 feet</td>
<td>54%</td>
</tr>
<tr>
<td>Auger Boring</td>
<td>0</td>
<td>95 feet</td>
<td>100%</td>
</tr>
<tr>
<td>Receiving and Jacking Pits</td>
<td>0</td>
<td>4</td>
<td>100%</td>
</tr>
<tr>
<td>Install MAS Structures</td>
<td>10</td>
<td>9</td>
<td>47%</td>
</tr>
<tr>
<td>Install CIPP Access Pits</td>
<td>8</td>
<td>9</td>
<td>53%</td>
</tr>
<tr>
<td>Install AV and BO Assemblies</td>
<td>14</td>
<td>18</td>
<td>56%</td>
</tr>
<tr>
<td>Construct Test Pits</td>
<td>0</td>
<td>3</td>
<td>100%</td>
</tr>
</tbody>
</table>
CIPP Installation Timeline

Estimated Installation Time (22 hrs.)
Additional CM Services due to Liner Repairs

- Liner repairs completed - $14,060
  - In – pipe repairs liners 11 - 16

- Liner repairs pending - $105,930
  - Reline liners 11 – 13
  - Remove and replace portions of 14 – 16

- Not included in original CM budget
CM and Inspection Services

Vali Cooper and Associates

- Original Contract Amount: $818,610
- Change Order 1: $64,255
- Change Order 2:
  - Additional Inspection $430,790
    Due to Contractor Delays
  - Extended Time for CIPP $11,564
    Liner Installations (Liner 1-7 and 9)
  - Liner Repairs Completed $14,060
  - Liner Repairs Pending $105,930
  Total Change Order 2 $562,344

- Amended Contract Amount: $1,445,209
Engineering Services During Construction

- Dudek prepared project plans and specifications
- Engineering Services during construction
  - RFI / Submittal review
  - Design deviations
  - Video review
  - Archeological monitoring
  - Change assistance
  - Progress meetings
  - Field visits
  - Closeout activities
- Additional services provided due to following
  - Delay in schedule
  - Remediation of liners
  - PVC pipe installation
  - Substitution of subcontractors
  - Changes in material supplier
# Engineering Services During Construction

<table>
<thead>
<tr>
<th>Task</th>
<th>Original Scope of Work</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>– RFI’s</td>
<td>20</td>
<td>49</td>
</tr>
<tr>
<td>– Submittals</td>
<td>25</td>
<td>209</td>
</tr>
<tr>
<td>– Re-submittals</td>
<td>25</td>
<td>90</td>
</tr>
<tr>
<td>– Progress Meetings</td>
<td>15</td>
<td>37</td>
</tr>
<tr>
<td>– Review video</td>
<td>37,000 ft</td>
<td>60,000 ft</td>
</tr>
</tbody>
</table>

- Additional services necessary to continue to provide Engineering Services during Construction
CIPP Laboratory Testing

- Ensure liner meets minimum physical properties per the specifications
- Per specifications, laboratory used for testing is recommended by Contractor and approved by SAWPA
- Ramtech Laboratories
  - Accredited laboratory for CIPP Testing
  - Located in Paramount, CA
CIPP Laboratory Testing

- Original budget anticipated consistency of lab results and exceeding requirements ($50,000)
- Additional budget necessary to fully test all samples for each liner installed ($53,426)
- 19 liner segments remaining
Recommendation

- Authorize the GM to approve:
  - Change Order 2 to Task Order VALI326-02 with Vali Cooper and Associates for additional Construction Management and Inspection Services for the Project for an amount not to exceed $562,344;
  - Change Order 1 to Task Order DUDK326-02 with Dudek for additional Engineering Services during Construction for the Project for an amount not to exceed $64,420; and
  - Change Order 2 to Work Order No. 2016-16 with Ramtech Laboratories for additional CIPP Laboratory Testing for the Project for an amount not to exceed $53,428.
Questions?