Inland Empire Brine Line
On-Call Service Contracts

Carlos Quintero, Operations Manager
PA24 Committee | June 2, 2020
Item 5.A.
Recommendation

That Project Agreement 24 Committee authorize the General Manager to issue a General Services Agreement and Task Order DOW 240-02 to Downstream Services in the amount of $210,476.
## On-Call Service Contracts
Approved by SAWPA Commission on 5/1/18

<table>
<thead>
<tr>
<th>On-Call Service Contract</th>
<th>Service Provider</th>
<th>Contract Amount</th>
<th>Remaining Amount (As of 4/30/20)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCTV</td>
<td>Houston &amp; Harris</td>
<td>$96,448</td>
<td>$91,913.18</td>
</tr>
<tr>
<td>Debris Hauling &amp; Disposal</td>
<td>HazMat Trans</td>
<td>$34,800</td>
<td>$19,320.00</td>
</tr>
<tr>
<td>Pipeline Cleaning</td>
<td><strong>Innerline Engineering</strong></td>
<td>$151,020</td>
<td>$79,139.25</td>
</tr>
<tr>
<td>Line Draining &amp; Emergency Clean-up Services</td>
<td>HazMat Trans</td>
<td>$96,665</td>
<td></td>
</tr>
<tr>
<td>Flow Meter Calibration</td>
<td>Douglas Environmental</td>
<td>$25,960</td>
<td>$0</td>
</tr>
<tr>
<td>Land Surveying</td>
<td>Calvada Surveying</td>
<td>$28,970</td>
<td>$27,470</td>
</tr>
<tr>
<td>Sample Collection &amp; Analysis</td>
<td>E.S. Babcock Laboratories</td>
<td>$86,454</td>
<td>$47,147</td>
</tr>
<tr>
<td>Sampling Support</td>
<td>WMWD</td>
<td>$75,000</td>
<td>$23,339.90</td>
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<tr>
<td>Brine Line Operations Support</td>
<td>WMWD</td>
<td>$25,000</td>
<td>$15,072.90</td>
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<tr>
<td>Brine Line Operations Support</td>
<td>IEUA</td>
<td>$10,000</td>
<td>$10,000</td>
</tr>
</tbody>
</table>
Pipeline Cleaning

- Innerline stopped providing Line Cleaning Services
- RFP issued in April 2020
- Proposals Received on May 6, 2020:

<table>
<thead>
<tr>
<th>Service Provider</th>
<th>Line Cleaning</th>
<th>Traffic Control</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stone Bear</td>
<td>$167,500</td>
<td>$20,600</td>
<td>$188,100</td>
</tr>
<tr>
<td>Downstream Services</td>
<td>$193,780</td>
<td>$16,696</td>
<td>$210,476</td>
</tr>
<tr>
<td>Houston and Harris</td>
<td>$205,997</td>
<td>$50,440</td>
<td>$256,437</td>
</tr>
</tbody>
</table>
Pipeline Cleaning Scope of Work

- All services are on-call and are paid on an hourly basis depending on work performed.
- 340 hours of line cleaning equipment, operated.
- 340 hours of water truck services.
- 80 hours of CCTV in support of line cleaning.
- Traffic control support.
# Proposal Review

<table>
<thead>
<tr>
<th>Service Provider</th>
<th>Cost (60%)</th>
<th>Qualifications (40%)</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stone Bear</td>
<td>60</td>
<td>20</td>
<td>80</td>
</tr>
<tr>
<td>Downstream Services</td>
<td>54</td>
<td>30</td>
<td>84</td>
</tr>
<tr>
<td>Houston &amp; Harris</td>
<td>44</td>
<td>35</td>
<td>79</td>
</tr>
</tbody>
</table>
## Other Brine Line Service Contracts

<table>
<thead>
<tr>
<th>Service Provider</th>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>E.S. Babcock Laboratories</td>
<td>Water Quality Sampling/Analysis</td>
<td>$85,059</td>
</tr>
<tr>
<td>WMWD</td>
<td>Water Quality Sampling Support</td>
<td>$10,000</td>
</tr>
<tr>
<td>WMWD</td>
<td>Operations Support</td>
<td>$25,000</td>
</tr>
<tr>
<td>IEUA</td>
<td>Operation Support</td>
<td>$10,000</td>
</tr>
</tbody>
</table>

Annual Work Orders
# Other Brine Line Service Contracts

<table>
<thead>
<tr>
<th>Service Provider</th>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Houston and Harris</td>
<td>Line Inspection (CCTV)</td>
<td>$91,913.18</td>
</tr>
<tr>
<td>Douglas Environmental</td>
<td>Flow Meter Calibration/Repair</td>
<td>$25,960.00</td>
</tr>
<tr>
<td>HazMat Trans</td>
<td>Debris Hauling &amp; Disposal</td>
<td>$19,320.00</td>
</tr>
<tr>
<td>HazMat Trans</td>
<td>Line Draining &amp; Emergency Response</td>
<td>$93,950.99</td>
</tr>
<tr>
<td>Calvada Surveying</td>
<td>Land Surveying</td>
<td>$27,470.00</td>
</tr>
</tbody>
</table>

Task Order Renewals through June 30, 2021
Recommendation

- That Project Agreement 24 Committee authorize the General Manager to issue a General Services Agreement and Task Order DOW 240-02 to Downstream Services in the amount of $210,476.
Questions???
Inland Empire Brine Line
Air Release and Vacuum Valve Program

Carlos Quintero, Operations Manager
PA24 Committee | June 2, 2020
Item 5.B.
Recommendation

- Receive and file
Brine Line Reach 5 Air Release and Vacuum Valves
Purpose
Air Release Valve Operation

- Pipeline Flowing
- Air Trapped
- Air Released
- Repeat Cycle

Source: Ohio Water Environment Association
Air / Vacuum Valve Operation

- Pipe Drains
- Air Intake

Source: Ohio Water Environment Association
Above Ground AV With Spill Containment

Below Ground AV
Air Vac Corrosion Issues

- Prevents proper functioning
- Prevents proper sealing
- Can lead to SSOs
Valmatic
VM-804
Recommendation

- Receive and file
Questions???
Alcoa Dike – Lower Reach IVB and CRC Lateral Protection Project

David Ruhl, Engineering Manager
Project Agreement 24 Committee | June 2, 2020
Item No. 5.C.
Lower Reach IVB and CRC Lateral Protection Project

**Recommendation**

- Direct the GM to file a Notice of Exemption for the Lower Reach IV-B and CRC Lateral Utility Protection Project with the Riverside County Clerk’s Office; and
- Direct the GM to issue a Notice Inviting Bids, upon completion of the Final Plans and Specifications, for the Construction of the Lower Reach IV-B and CRC Lateral Utility Project.
Prado Basin Perimeter Dikes

Adobe Dike: $375,000
Brine Line Protection: $6,354,000
Alcoa Dike: $110,000
Treatment Plant Dike: $107,000
Housing Dike: $110,000
Prado Outlet Works: $5,250,000
Prado Dam Spillway

Map showing various dikes and embankments around the Prado Basin, including the Adobe Dike, Brine Line Protection, Alcoa Dike, Treatment Plant Dike, Housing Dike, and Prado Outlet Works.
Alcoa Dike - Reach IVB/CRC Lateral

- Protect Reach 4B/CRC Lateral Due to Impacts of Alcoa Dike
- Hired Stantec to prepare plans and specifications
- Remove and Replace about 480 feet of Reach IVB
- Remove and Replace about 100 feet of the CRC Lateral
Construction Cost Estimate and Notice of Exemption

- Estimate of Construction Cost $889,250
  - Lower Reach IV-B $673,650
  - CRC Lateral $215,600

- Notice of Exemption
  - Project located within a disturbed and impacted construction area due to Alcoa Dike
  - All work along same Brine Line alignment
Critical Activities

- CEQA Notice of Exemption: June 2, 2020
- Notice Inviting Bids Approval: June 2, 2020
- Final Plans and Specifications: June 15, 2020
- Issue Notice Inviting Bids: June 16, 2020
- Award Construction Contract: August 4, 2020
- Construction: September – December 2020
- Corps Phase 2 Award: January 2021
Lower Reach IVB and CRC Lateral Protection Project

- Recommendation
  - Direct the GM to file a Notice of Exemption for the Lower Reach IVB and CRC Lateral Utility Protection Project with the Riverside County Clerk’s Office; and
  - Direct the GM to issue a Notice Inviting Bids, upon completion of the Final Plans and Specifications, for the Construction of the Lower Reach IV-B and CRC Lateral Utility Project.
QUESTIONS?
Euclid Avenue (Reach IVA and Reach IVD) Maintenance Access Structure (MAS) Rehabilitation Project

David Ruhl, Engineering Manager
Project Agreement 24 Committee | June 2, 2020
Item No. 5.D.
Euclid Avenue (Reach IVA and Reach IVD) MAS Rehabilitation Project

**Recommendation**

- Direct the GM to file a Notice of Exemption for the Euclid Avenue (Reach IV-A and Reach IVD) MAS Rehabilitation Project with the San Bernardino County Clerk's Office; and
- Direct the GM to issue a Notice Inviting Bids, upon completion of the Final Plans and Specifications, for the Construction of the Euclid Avenue (Reach IV-A and Reach IVD) MAS Rehabilitation Project.
Project Location and Description

- Seal 5 MAS on Reach IVD to withstand pressurization
- Remove 1 MAS on Reach IVA due to concrete deterioration
Reach IVD MAS Modifications

- Beaumont new connection to Brine Line
- Hydraulic Improvements needed to handle transfer of flow
- SAWPA / Beaumont agree that SAWPA will make necessary modifications and Beaumont will reimburse SAWPA its costs
IVA – MAS 180

- Condition assessment
  - Severe corrosion
  - 4 – 5 inches of concrete lost or severely degraded
  - Reinforcement is exposed and severely corroded

- Remove MAS and replace with new fabricated pipe fitting
Construction Cost Estimate and Notice of Exemption

- Estimate of Construction Cost $510,000
  - Reach IVD $370,000
  - Reach IVA – MAS 180 $140,000

- Notice of Exemption
  - Project located along shoulder of Euclid Avenue and within a disturbed and impacted area on Corps property
  - All work along existing Brine Line alignment at or around existing MAS
Critical Activities

- CEQA Notice of Exemption: June 2, 2020
- Notice Inviting Bids Approval: June 2, 2020
- Final Plans and Specifications: June 5, 2020
- Issue Notice Inviting Bids: June 16, 2020
- Award Construction Contract: August 4, 2020
- Construction: September – November 2020
Euclid Avenue (Reach IVA and Reach IVD) MAS Rehabilitation Project

**Recommendation**

- Direct the GM to file a Notice of Exemption for the Euclid Avenue (Reach IV-A and Reach IVD) MAS Rehabilitation Project with the San Bernardino County Clerk’s Office; and

- Direct the GM to issue a Notice Inviting Bids, upon completion of the Final Plans and Specifications, for the Construction of the Euclid Avenue (Reach IV-A and Reach IVD) MAS Rehabilitation Project.
QUESTIONS?
Santa Ana River Trail
Impacts to Brine Line

Carlos Quintero, Operations Manager
PA24 Committee | June 2, 2020
Item 5.E.
Recommendation

- Receive and file
Recommendation

- Receive and file
Questions???