Outline

• Project Overview

• Item 1: Review of Bids & Award of Contract
  • Resolution 2020-02-27-R4

• Item 2: Review and Approval of Construction Phase Engineering Services
  • Resolution 2020-02-27-R5
Overview: Project Location

Headworks Building

Maintenance Facility (our location)
Overview: Project Background

- Headworks Building constructed as part of the 10th Addition in 2005.
- All plant influent enters through 5 forcemains.
- Each forcemain passes through a venturi meter (to measure flow) before solids are removed at the screens.
Overview:
Project Background

- Existing difficulties with screens
- Reviewed during Liquid Processing Plan and determined high water level to be the cause
- Water level kept high for venturi meters due to configuration
- Project will reconfigure meters, eliminating the need to keep water level high, and address screening issues
Overview: Project Scope

Existing Forcemain
Centerline Elev. 30

Venturi Meter

Meter Vault Room

Screen Room
Overview: Project Scope

Existing Forcemain
Centerline Elev. 30

Meter Vault Room

Screen Room

Venturi Meter
Overview: Project Scope

Existing Forcemain
Centerline Elev. 30

Relocated Forcemain
Centerline Elev. 26

Venturi Meter

Meter Vault Room

Screen Room
Overview:
Project Scope

- Bypass line needs to be constructed
- Must bypass each forcemain separately
- Bypass line will receive new venturi meter.
Overview:

Project Scope

- Bypass line needs to be constructed
- Must bypass each forcemain separately
- Bypass line will receive new venturi meter and sampler.
Overview:
Project Scope

- Bypass line needs to be constructed
- Must bypass each forcemain separately
- Bypass line will receive new venturi meter and sampler.
Overview:
Project Scope

- Bypass line needs to be constructed
- Must bypass each forcemain separately
- Bypass line will receive new venturi meter and sampler.
Overview: Project Scope

- Bypass line needs to be constructed
- Must bypass each forcemain separately
- Bypass line will receive new venturi meter and sampler.
Item 1: Advertising

• Advertised in January
  – Wisconsin State Journal, Quest CDN, Daily Reporter
• Two pre-qualified prime bidders
  – C.D. Smith
  – Staab Construction Corporation
• Two pre-qualified electrical subcontractors
  – Forward Electric and Pieper Power
• Three pre-qualified mechanical subcontractors
  – J. F. Ahern, August Winter, and 1901
Item 1: Bid Results

- Bid accepted on February 6th

- Two Prime bids received:

<table>
<thead>
<tr>
<th>Contractor</th>
<th>Bid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Staab Construction Corporation</td>
<td>$1,833,000</td>
</tr>
<tr>
<td>CD Smith Construction</td>
<td>$2,427,000</td>
</tr>
</tbody>
</table>

- Project cost breakdown:

<table>
<thead>
<tr>
<th>Item</th>
<th>Budget Estimate</th>
<th>Current Estimate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction</td>
<td>$1,911,000</td>
<td>$1,925,000</td>
</tr>
<tr>
<td>District Staff &amp; Consultants</td>
<td>$380,000</td>
<td>$320,000</td>
</tr>
<tr>
<td>Total</td>
<td>$2,291,000</td>
<td>$2,245,000</td>
</tr>
</tbody>
</table>
Item 1: Recommendation and Next Steps

• Award the contract to the low bidder: Staab Construction Corporation

• Construction Schedule:
  • April 2020 – Nov 2020
  • March 2021 – Oct 2021
Item 1: Questions?
Item 1: Resolution Approval

• District seeks Commission approval of Resolution 2020-02-27-R4
Item 2: Construction Scope of Services

- Short Elliot Hendrickson Inc. is the engineer of record, completed the project design and planning.
- District staff is satisfied with their services.
- Stayed below design budget
- Construction services proposal is within the budget.
Item 2: Cost Breakdown

- Budget for Engineering Construction Services: $99,000.
- Project cost breakdown:

<table>
<thead>
<tr>
<th>Item</th>
<th>Budget Estimate</th>
<th>Current Estimate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction</td>
<td>$1,911,000</td>
<td>$1,925,000</td>
</tr>
<tr>
<td>District Staff &amp; Consultants</td>
<td>$380,000</td>
<td>$320,000</td>
</tr>
<tr>
<td>Total</td>
<td>$2,291,000</td>
<td>$2,245,000</td>
</tr>
</tbody>
</table>
Item 2: Recommendation and Next Steps

- Approval of the construction services to Short Elliot Hendrickson Inc. per the Resolution
Item 2: Questions?
Item 2: Resolution Approval

- District seeks Commission approval of Resolution 2020-02-27-R5