

Returned Activated Sludge Piping Replacement at Plant No. 2 Project No. P2-123

Operations Committee Presentation
September 4, 2019



Activated Sludge Plant at Plant No. 2



- **Biological treatment using oxygen**
- **Built in 1979**
- **Includes three main components**
 - Aeration basins
 - Clarifiers
 - Return activated sludge system



Element 1 – Sludge Piping Replacement



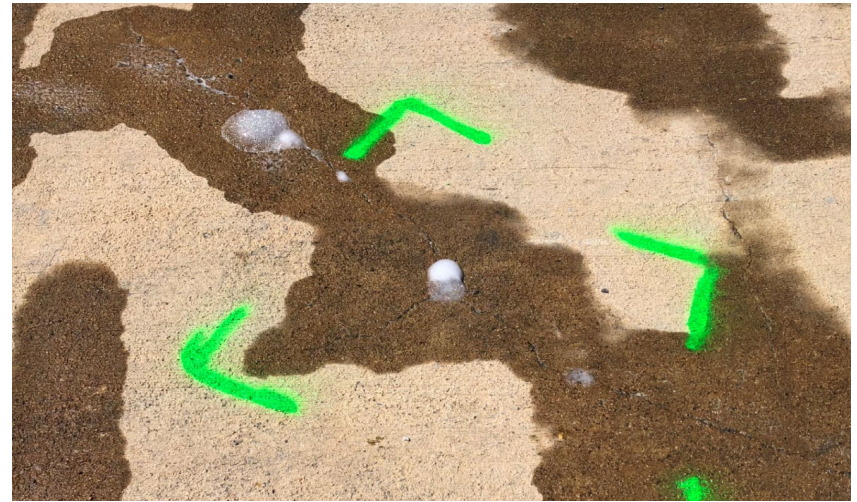
- ~2,000 feet of 10 to 36-inch pipe
- 40 years old
- Frequent leaks



Element 2 – Aeration Basin Concrete Repair



- Maintain Structural Integrity of Basin Deck
 - Spall repair
 - Crack repair
 - Replace corroded reinforcement



Element 3 – Light Pole Replacement



- Replace 80 corroded light poles and fixtures across entire site



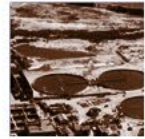
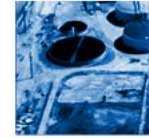
- Collapsible poles for better maintenance access
- Safety for Staff

Bid Results



Company	Amount
1. Shimmick Construction Company	\$6,042,110
2. W.M. Lyles Co.	\$6,593,870
3. Kiewit Infrastructure West Co.	\$6,843,000
4. Stanek Constructors, Inc.	\$8,414,700
5. Innovative Construction Solutions	\$8,732,865
6. Steve P. Rados, Inc.	\$8,837,625
7. Myers & Sons Construction LLC	\$10,620,000
8. OHL USA, Inc.	\$10,839,350
Engineer's Estimate	\$14,000,000

Protest



- 2nd Low Bidder, W.M. Lyles Co., alleged issues with Shimmick's safety record
- In consultation with General Counsel, staff reviewed and determined the protest does not merit a change to the award recommendation
 - Many incidents are still pending determination
 - Several were against joint venture partners
 - No clear and consistent pattern of violations

Recommendations



- Deny award protest filed by W.M. Lyles Co.;
- Award a Construction Contract to Shimmick Construction Company for Return Activated Sludge Piping Replacement at Plant No. 2, Project No. P2-123, for a total amount not to exceed \$6,042,111.35; and
- Approve a Construction Contract contingency of \$604,211 (10%).

Recommendations



- Approve a Professional Construction Services (PCSA) Agreement with Spec Services Inc. to provide construction support services for Return Activated Sludge Piping Replacement at Plant No. 2, Project No. P2-123, for a total amount not to exceed \$252,329; and
- Approve a contingency of \$25,233 (10%)

Questions

