



## **AGENDA MEMORANDUM**

Action Item for the City Council Meeting of February 25, 2020

**DATE:** February 3, 2020

**TO:** Peter Zaroni, City Manager

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| <p style="text-align: center;"><b><u>Professional Services Contract</u></b><br/><b>Ship Channel Water and Gas Main Crossing</b></p> |
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### **CAPTION:**

Motion awarding a contract with LNV, Inc. for design, preparation of construction documents and related construction phase services to install a new 24" water main and 8" gas main crossing the Ship channel at the Tule Lake Turning Basin in the amount of \$937,160, located in City Council District 1, effective upon issuance of notice to proceed, with funding approved and available from FY 2020 Water and Gas Capital Improvement Program Budgets.

### **SUMMARY:**

This professional services contract provides for design and preparation of construction documents to install a new 24" water main and 8" gas main crossing the Ship channel at the Tule Lake Turning Basin to prepare for future dredging of the ship channel.

### **BACKGROUND AND FINDINGS:**

The United States Army Corps of Engineers (USACE) and Port of Corpus Christi is widening and deepening the Ship Channel. On April 23, 2018 USACE notified the City to remove the existing twin 16" water mains crossing the ship channel by January 1, 2019, due to conflict with proposed improvements. The City responded to the directive on June 13, 2018, stating the deadline was unrealistic due to multiple reasons and requested an extension. The extension was granted, and the mains must now be removed by January 1, 2021. The removal of the main will be performed

under a separate contract.

This Contract provides professional services for design and preparation of construction documents to install a new 24" water main and a new 8" gas main crossing at Tule Lake Turning Basin. City staff is preparing an interlocal cooperation agreement (ILA) with the Port of Corpus Christi to address costs incurred with relocation of the water main that is creditable to the City per Federal law. The new gas main is being included in this project to provide redundancy to gas customers north of the ship channel and provide significant cost savings to the City by installing the two mains at the same time.

The scope of services includes preliminary and final designs, preparation of plans and specifications, permit processing through various jurisdictional agencies, survey, easement acquisition, limited services on Phase II Environmental Site Assessment & Environmental Issues, geotechnical services, meetings and coordination with stakeholders, bid phase services, and construction administration phase services.

#### **PROJECT TIMELINE:**

| 2020   |   |   |   |   |   |   |   |             |   |              | 2021-2022 |
|--------|---|---|---|---|---|---|---|-------------|---|--------------|-----------|
| F      | M | A | M | J | J | A | S | O           | N | D            | Jan-Mar   |
| Design |   |   |   |   |   |   |   | Bid / Award |   | Construction |           |

Projected schedule reflects City Council award in February 2020 with design completion in September 2020. Construction is anticipated to begin in January 2021 with a duration of fourteen months and completion in March 2022.

#### **COMPETITIVE SOLICITATION PROCESS:**

LNV, Inc. was selected for the FY 2018-2019 Capital Improvement Projects and BOND 2018 Remaining Projects, Group B- Utility Projects in June 2019 under RFQ 2018-10. ONSWTP Ship Channel Utility Relocations was one of seven selections that were announced under the Utilities Projects Category of the RFQ.

LNV, Inc. was selected from ten applicants for this project. The selection committee was comprised of representatives from the Utilities and Engineering Services Departments. The final evaluation ranked LNV, Inc. the highest recommended firm and most qualified based on five factors: 1) experience of the firm, 2) experience of the key personnel with specific experience in utility relocations within navigable channels, 3) project approach and management plan, 4) capacity to meet the project requirements and timelines, and 5) past performance.

#### **ALTERNATIVES:**

An alternative is to not award the professional services contract to the LNV, Inc. Not awarding a contract at this time could delay the City's ability to meet the Port's directive and time schedule. It also would delay the needed utility replacement and result in the City not being able to provide a reliable supply of water and gas utility service to customers north of the ship channel.

### **FISCAL IMPACT:**

This contract will award design, bid and construction phase services for the installation of a new 24" water main and 8" gas main crossing the Ship channel at the Tule Lake Turning Basin in the amount of \$937,160, with the project located in City Council District 1, the contract effective upon issuance of notice to proceed, and funding approved and available from FY 2020 Water and Gas CIP Funds.

The City is working with the Port on a Relocation Agreement to accommodate the Channel Improvement Project, providing a reimbursement from the Port to the City for 50% of the actual costs in performing the relocation of the City's waterline.

USACE informed the Port verbally at their meeting on December 17 that those costs for demolition and installation are creditable per 33 USCA 2211 (a)(4). The cost would include the work necessary to relocate the waterline(s) to accommodate the Channel Improvement Project, including, but not limited to, removal, demolition, planning, engineering and design costs, project management, geotechnical and engineering studies, surveying, regulatory approvals, permitting, scheduling, material procurement, construction, construction management, installation, inspection, non-destructive testing, and site restoration (collectively, the "Relocation Work").

### **Funding Detail:**

**Fund: Water 2020 CIP Fund (Fund 4099)**

Mission Elem: Distribute Water (ME 041)

Project No.: Ship Channel Water Lines Relocation (Proj 18156A)

Account: Outside Consultants (Acct 550950)

Activity: 18156-A-4099-EXP

Amount \$590,411

**Fund: Gas Capital Reserve Fund (Fund 4560)**

Mission Elem: Gas Distribution System (ME 022)

Project No.: Gas Lines Extension Program (Proj E12132)

Account: Outside Consultants (Acct 550950)

Activity: E12132-01-4560-EXP

Amount \$346,749

### **RECOMMENDATION:**

City Staff recommends award of the professional services contract in the amount of \$937,160 to LNV, Inc. The design phase is planned to begin in February 2020 with completion estimated 7 months after notice to proceed. The construction phase is planned to start in January 2021 and end in March 2022.

### **LIST OF SUPPORTING DOCUMENTS:**

Location and Vicinity Maps  
Contract