



MEMORANDUM

Comfort Lake-Forest Lake Watershed District

Date: April 18, 2023
To: CLFLWD Board of Managers
From: Mike Kinney, District Administrator
Subject: Sunrise River Highway 61 Wetland Engineering Scope of Work



Background/Discussion

The purpose of this agenda item is to consider increasing the “not to exceed” amount of the Emmons & Olivier Resources (EOR) scope of work for engineering services for the Sunrise River Highway 61 Wetland Enhancement Project. The most recent scope of work for this project was approved at the March 24, 2022, regular board meeting.

One major unexpected issue arose during project construction. This was the inaccurate utility locates by the utility company. This issue resulted in a change order with the contractor (within the 5% authority granted to the administrator) and necessitated additional engineer time to adjust project design elements and coordinate with the contractor. Additional information on this matter can be found in the attached EOR memo.

| | |
|--|-----------|
| Total approved engineering contract | \$190,216 |
| Total estimated engineering cost at end of project | \$205,904 |
| Difference (recommended additional approval) | \$15,688 |
| Recommended total engineering contract | \$205,904 |

The total estimated lifetime cost of this project (including staff time, engineering, construction, estimated 30-yr O&M) is \$1.67 million. With the new total engineering contract amount, engineering comprises 12% of the total project lifetime cost. With an estimated phosphorus reduction of 89 lb/yr to the Sunrise River (65 lb/yr to Comfort Lake), the phosphorus reduction cost benefit is about \$600/lb over the 30-year lifespan, which is still well within the District’s acceptable range for project cost-benefit.

Recommended Motion

Manager _____ moves to authorize the administrator, on advice of counsel, to amend the agreement with EOR for the Sunrise River Highway 61 Wetland Enhancement project in the amount of \$15,688, for a total contract amount not to exceed \$205,904. Seconded by Manager _____.

| | | | |
|----------------------------|---|-------------|-----------|
| Project Name | Sunrise River Hwy 61 Wetland Enhancement | Date | 4.20.2023 |
| To / Contact info | CLFLWD Board of Managers | | |
| Cc / Contact info | Mike Kinney and Blayne Eineichner – District Staff Greg Graske – District Engineer | | |
| From / Contact info | Kevin Biehn and Kyle Crawford – EOR | | |
| Regarding | Engineering Budget | | |

Background

As part of EOR’s procedural site evaluation and design due diligence Gopher State One Call Utility Locate was utilized and relied upon to identify public utilities. A number of utilities were identified, and the project was designed to respond to and protect these utilities; this included coordinating relocation of one utility in 2022.

As part of the contractor’s (Peterson Companies) due diligence at the commencement of the project, multiple utility locates were again completed through Gopher State One Call, which identified two additional fiber optic conduits previously unknown to the site/project. EOR was notified of a third unmarked fiber optic conduit by a utility consultant at this time as well.

In response to this unknown, EOR spent ~\$16,000 in engineering rapidly responding to and redesigning the project and coordinating with the utility companies and contractor to keep the project on schedule while minimizing inflation of construction costs.

Status

Below is summary of both cost to date as well as anticipated remaining cost for EOR to complete the project.

| | | |
|------------------------------|----|------------|
| Contract | \$ | 190,216.00 |
| Cost incurred (thru 3/31/23) | \$ | 192,792.06 |
| Remaining Budget | \$ | (2,576.06) |
| Anticipated Remaining Cost | \$ | 13,112.00 |
| Total Above Contract | \$ | 15,688.06 |

Anticipated remaining tasks to ensure the Contractor fulfills obligations include the following. Please note that this does not include extended vegetation establishment or O&M cost.

- Construction Oversight
 - Hwy 61 pipe and guardrail installation
 - Tree and shrub plantings
 - Final site restoration, punchlist and cleanup
- Construction Administration
 - Pay Application reviews and approvals
 - Project Closeout documentation review and board memo
- As-built records
 - As-built survey (partially completed)
 - Record plans

Request

EOR is seeking an additional \$15,688.06 in engineering budget to adequately close out this project.