

Agenda Item: 7.

## MEMORANDUM

**TO:** Programs, Projects, and Operations Subcommittee

**FROM:** Zach Nelson, Project Manager

**SUBJECT:** Review and Recommendation on WCRW – Lakeland Connection Project - Change Order with Eriksen Construction

**DATE:** March 30, 2017

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Last fall, the District awarded the Washington County Rural Water System Lakeland Connection Project to Eriksen Construction. The project scope of work included the installation of 4,505 LF of 10" dia. water main from the intersection of Hwy 133 and County Road 32 to the intersection of Hwy 133 and Todd Drive along with the installation of 1,018 LF of 8" dia. water main from the intersection of Hwy 133 and Todd Drive to the intersection of Hwy 133 and County Road 34. (see attached map). The project was placed into service in early January and now serves the Lakeland Estates Water Company (LWEC) as a wholesale customer. LEWC provides water service to over 525 households.

When the project documents were drafted, the NDOR had not begun work constructing a frontage road between Cydney Lane and Todd Drive to serve multiple properties that would be impacted by the new Hwy 133 widening project. The intent was to mobilize Eriksen Construction to install the new 10" dia. water main in the area prior to the frontage road being paved as well as multiple new driveways. It had been hoped that construction would begin in late August, but due to financing delays and the delay in Board action on awarding the contract, the work did not begin until early October.

Eriksen Construction from Blair was awarded the contract for \$226,362.75. The delays in awarding of the construction contract ultimately impacted the construction scope of work. Instead of having unobstructed right-of-way, Hwy 133 work in the area had already progressed and Eriksen Construction was forced to install the water main in small sections underneath each driveway and work in a congested work space. In addition to delays caused by production as a result of the work environment, additional time was spent to locate an existing water main that as-built drawings did not properly identify, as well as additional time was spent to bore the water main 4' deeper under County Road 34 in preparation of the eventual surfacing of the road.

Eriksen Construction has requested a change order in the amount of \$80,286.10 for the increased scope of work. Attached is a summary of the change order scope of work. This 35% increase brings the total construction cost to approximately \$306,648.85. The increase in construction costs brings the final total project cost to \$507,543.41, a 3.5% increase from the original estimated total project cost of \$490,000.

**Staff recommends that the Subcommittee recommend to the Board that the General Manager be authorized to execute a change order with Eriksen Construction for the construction of the Washington County Rural Water – Lakeland Connection Project in the amount of \$80,286.10, bringing the total contract price to \$306,648.85, subject to changes deemed necessary by the General Manager and approval as to form by District legal counsel.**

## Lakeland Connection Project Change Order Summary

<b>Description</b>	<b>Dollar Amount</b>
Connect Service Line north of Todd Drive * reimbursed by SID	\$ 4,317.95
Replace flush hydrants with fire hydrants	\$ 7,055.48
Remove and replace driveway south of Cydney Lane	\$ 10,631.33
Add extensions to fire hydrants	\$ 818.87
Add concrete collars to meter vault	\$ 422.74
Project schedule delay and increased scope of work: (fittings, increased bury depth, existing water main tie-in location, productivity loss)	\$ 57,039.73
<b>Total Requested change order</b>	<b>\$ 80,286.10</b>

# Lakeland Connection Project - Scope Impact Map

