



AGENDA MEMORANDUM

Action Item for the City Council Meeting of September 15, 2020

DATE: August 20, 2020

TO: Peter Zaroni, City Manager

FROM: Jeff H. Edmonds, P.E., Director of Engineering Services
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Construction Change Order

Park Road 22 Bridge

CAPTION:

Motion authorizing the execution of Change Order No. 1 for ground improvements on the Park Road 22 Bridge project with Haas-Anderson Construction, Corpus Christi, Texas in an amount of \$575,700.00 for a total not to exceed amount of \$14,519,236.00, located in Council District 4, with funding available from the Street Bonds 2004 and 2008.

SUMMARY:

This Change Order authorizes the additional funding required for the required ground improvements needed to construct the Park Road 22 Bridge project with Haas-Anderson Construction in an amount of \$575,700.00 for a total not to exceed amount of \$14,519,236.00.

BACKGROUND AND FINDINGS:

Park Road 22 Bridge construction contract was awarded to Haas-Anderson Construction, Corpus Christi, Texas on January 14, 2020. The contractor has been working on the preliminary activities like value engineering and resolving issues like ground improvements. The construction will begin the second week of October.

While requesting the construction bids for the project, ground improvements for the project were budgeted in an amount of \$500,000 as an allowance based on the engineer's estimate. Ground improvement is a method used to stabilize soil during a trenchless construction of a project. Ground Improvement improves the engineering properties of the treated soil such as shear strength, stiffness, and permeability. During the construction process, soil can become unstable because of the groundwater and hence the soil must be reinforced for safety and engineering reasons. Ground improvements are needed to meet design requirement for the load associated with the bridge.

After the construction contract was awarded, proposals for ground improvements were requested by Haas-Anderson Construction from a third party to begin the construction work. Haas-Anderson Construction received two proposals. The first proposal was from Menard Group USA, in an

amount of \$406,267, with no change of time. The estimate for the ground improvements were within the allocated allowance but the proposal did not address several technical issues. The second proposal was from Geopier/Peterson Contractors Inc. The Geopier/Peterson Contractors Inc estimate for the ground improvements is an amount of \$1,075,700.00 and will add two additional months of time to the construction contract, extending completion to May 2022. Urban Engineering is the Engineer of record for this project. Urban Engineer recommended the City proceed with Geopier/Peterson Contractors Inc based on the contractor's knowledge and experience.

An allowance in the amount of \$500,000 is available from the previously approved construction contract. This Change Order No. 1 authorizes additional funding needed in an amount of \$575,700.00 for the ground improvements. If approved, Haas-Anderson Construction will be authorized to continue construction for the Park Road 22 Bridge project up to the additional proposed contract amount.

After completion Park Road 22 Bridge will be a fully reconstructed 4-lane roadway with safe pedestrian walkways and golf cart access under the bridge connecting east and west sides of the Park Road 22.

PROJECT TIMELINE WITH CHANGE ORDER:

The Change Order No. 1 will authorize additional 60 calendar days to the construction contract. The anticipated construction completion date of the project will be extended from March 2022 to May 2022.

ALTERNATIVES:

The City could defer this work until a future date, but this would prevent the bridge from being constructed and likely result in additional construction cost since the contractor is already mobilized on site.

FISCAL IMPACT:

The fiscal impact for FY 2020 is a total amount not to exceed \$575,700, with funding available from the Street Bonds 2004 and 2008.

Funding Detail:

The funding for the project is available through the project cost savings from the Hogan Terra Mar Developer Agreement (Street Bonds 2004) in an amount of \$344,000.00, Traffic Signal-New and Synchronization (Street Bond 2008) in the amount of \$182,150.00 and Reserves (Street Bond 2008) in the amount of \$49,550.00.

Fund: Street Bond 2004 (Fund #3541)

Mission Elem: Street Pavement Maintenance (ME 051)

Project No.: Park Road 22 Bridge (Project #6281) reference previous project number 170062

Account: Construction (Account #550910)

Activity: 170062-01-3541-EXP

Amount: \$344,000.00

Fund: Street Bond 2008 (Fund #3546)

Mission Elem: Street Pavement Maintenance (ME 051)
Project No.: Park Road 22 Bridge (Project #6281) reference previous project number 170062
Account: Construction (Account #550910)
Activity: 170062-01-3546-EXP
Amount: \$182,150.00

Fund: Street Bond 2008 (Fund #3548)

Mission Elem: Street Pavement Maintenance (ME 051)
Project No.: Park Road 22 Bridge (Project #6281) reference previous project number 170062
Account: Construction (Account #550910)
Activity: 170062-01-3548-EXP
Amount: \$49,550.00

RECOMMENDATION:

Staff recommends approval of this Change Order number 1 in an amount of \$575,700, with Haas-Anderson Construction for the ground improvements on the Park Road 22 Bridge project for a total not to exceed amount of \$14,519,236.00. Construction is anticipated to be completed by May 2022.

LIST OF SUPPORTING DOCUMENTS:

Location & Vicinity Maps
Change Order No. 1