


## COUNCIL COMMUNICATION

	Number:	<b>19-444</b>	Meeting:	<b>October 14, 2019</b>
	Agenda Item:	<b>10</b>	Roll Call:	[ ]
	Submitted by:	<b>Jonathan A. Gano, P.E., Public Works Director and Steven L. Naber, P.E., City Engineer</b>		

### AGENDA HEADING:

Approving Change Order No. 7 with Progressive Structures, LLC, for additional work on River Bend and King Irving Sewer Separation Phase 1, in the amount of \$561,243.28.

### SYNOPSIS:

Recommend approval of Change Order No. 7 in an amount not to exceed \$561,243.28 with Progressive Structures, LLC, Travis Augustyn, Partner, 24412 Highway 13, Elkader, IA, 52043, for additional work on River Bend and King Irving Sewer Separation Phase 1.

### FISCAL IMPACT:

Amount: \$561,243.28

Funding Source: 2019-2020 CIP, Page Sanitary Sewer – 8, River Bend and King Irving Sewer Separation, SS138, SRF Storm and Sanitary Funds, and the remaining \$132,565.32 Des Moines Water Works

### ADDITIONAL INFORMATION:

- On March 19, 2018, under Roll Call No. 18-0520, the City Council approved plans and specifications and designated the lowest responsible bidder as Progressive Structures, LLC for \$4,683,948.80. The project provides for the separation of storm water flows from the existing combined storm and sanitary sewer system as part of the City's Long-Term Control Plan to meet the requirements of the Iowa Department of Natural Resources (IDNR) and the 2010 IDNR issued Consent Order, Judgment, and Decree. The project will separate sewer flows in an area roughly bounded by Clark Street from 2nd Avenue to 12th Street, and along Franklin Avenue from 2nd Avenue to 10th Street.
- Change Order No. 1, approved by the City Engineer on June 22, 2018 for a total amount of \$34,230, added quantity for temporary erosion control seeding and hydro-mulching, and replaced waterborne painted pavement markings with durable epoxy painted pavement markings.

- Change Order No. 2, approved by City Council on July 9, 2018, by Roll Call No. 18-1140 for a total amount of \$274,056.90, included replacement of 180-feet of failed sanitary sewer discovered during a City sewer lining project, additional water main work on Clark Street requested and paid for by Des Moines Water Works (DMWW), and added additional quantity of seeding, fertilizing, and mulching for hydraulic seeding.
- Change Order No. 3, approved by the City Engineer on August 16, 2018, for a total amount of \$49,909.97, included additional water main work on Clark Street and 2nd Place requested and paid for by DMWW, and additional work for replacing unsuitable soils found during construction with suitable granular materials.
- Change Order No. 4, approved by the City Engineer on October 9, 2018, for a total amount of \$49,965.62, added removal of unsuitable soil (unsuitable shale material found to be shallower than anticipated) and replacement with sand backfill, and adjustments to two (2) storm manholes to avoid conflicts with existing water main.
- Change Order No. 5, approved by the City Engineer on December 18, 2018, for a total amount of \$49,071.95, included removal of unsuitable subgrade material and replacement with stabilization stone on Clark Street, an additional water service tap for connection of a new service at Bates Park, and additional water service replacement.
- Change Order No. 6, for an amount of \$184,993.65, approved by City Council on February 25, 2019 by Roll Call No. 19-0269, added removal of unsuitable soil (unsuitable shale material found to be shallower than anticipated) and replacement with sand backfill for storm sewer trenches on Clark Street, added eleven canopy trees, added two (2) storm sewer intake adjustments, and added erosion control mulching.
- Change Order No. 7 increases the contract amount by \$223,559.63 to:
  - Install new 16-inch water main on Franklin Avenue from 2nd Avenue to Arlington Avenue. During construction, the existing water main was found to be leaking at several locations and replacement was required. DMWW costs for the 16-inch water main replacement increases the contract by \$132,565.32.
  - City costs associated with the 16-inch water main replacement increases the contract by \$90,994.31 which includes pavement removal, sidewalks, driveways, curb and gutter, pavement patching, and full width mill and overlay of Franklin Avenue.
- Change Order No. 7 increases the contract amount by \$337,683.65 to:
  - Full width mill and overlay of Franklin Avenue from Arlington Avenue to the east of Oakland Avenue and Franklin Avenue from 6th Avenue to 10th Street. Initial visual investigation and core analysis indicated the existing pavement sections were in satisfactory condition. Upon construction, these sections of Franklin Avenue were more distressed than originally anticipated.
  - Install new driveways and curb on the north side Franklin Avenue from 8th Street to 10th Street.
  - Install geogrid and additional subbase for reconstruction of Clark Street from 8th Street to 10th Street, due to unsuitable soils found during construction.
  - Install manufactured sand backfill due to unsuitable soils encountered during installation of sewer pipe.

**PREVIOUS COUNCIL ACTION(S):**

Date: February 25, 2019

Roll Call Number: [19-0269](#)

Action: [Approving](#) Change Order No. 6 with Progressive Structures, LLC for additional work on River Bend and King Irving Sewer Separation Phase 1, \$184,993.65. ([Council Communication No. 19-072](#)) Moved by Gatto to adopt. Motion Carried 7-0.

**BOARD/COMMISSION ACTION(S): NONE**

**ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:**

Accepting completed construction and approving final payment on public improvement construction contracts.

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