



1459 Washington St.
Muscatine, IA 52761-5040
(563) 263-8933
Fax (563) 263-2127

Public Works

City Transit
263-8152

MEMORANDUM

Equipment Maintenance
Roadway Maintenance
Collection & Drainage
Building & Grounds
Engineering

To: Brian Stineman Public Works Director
FROM: Jim Edgmond, City Engineer
DATE: Dec 22, 2017
RE: Change Orders 007 through 013 and 015 through 018 and 020 through 033 for
Mississippi Drive Corridor Reconstruction Project

INTRODUCTION:

The City of Muscatine is reconstructing Mississippi Drive Corridor from Broadway to Mulberry Ave. These first two phases of the project are approximately 95% complete. Multiple items have come up during construction that required change orders/ contract modifications. Approval of these change orders is requested so the construction can continue and the contractor can get paid for the extra work he has done or is going to do.

BACKGROUND:

Previously in July of 2017 the City Council approved change orders 002 through 006. Change Order #001 has been deleted and Change Orders 014 and 019 have been written but have been requested to be put on hold until it can be determined if they are truly needed.

This project has contract work for the City of Muscatine and Muscatine Power and Water (MPW). As such, these change orders fit into three categories. One is the change order is the City's cost to pay. The second category is the change order is MPW's cost to pay, and the third is the cost is split between MPW and the City. A summary of the change orders is attached and shows the total dollar value of the change orders and the portion of this cost that is MPW's and the City's.

The reasons for the extra work range from redesign and associated restaking to minimize rock excavation, to additional design of traffic signal foundations which were required to be deeper foundations than originally designed, to putting in a temporary ramp to provide an owner a better path to their business. Unforeseen underground conditions are responsible for a lot of these change orders along with utility conflicts when existing utilities were not where they were supposed to be.

"I remember Muscatine for its sunsets. I have never seen any
on either side of the ocean that equaled them" — Mark Twain

RECOMMENDATION/RATIONALE:

It is recommended that these change orders be approved as listed on the attached summary.

BACKUP INFORMATION:

1. Mississippi Drive Corridor Change Order Listing, dated 12/20/2017.



KOALA CONSULTING SERVICES

CHANGE ORDER LISTING

City of Muscatine Project No.:
SGI PROJECT NO.:
EPA/IADNR PROJECT NO.:

DATE: 12/20/17

PROJECT: City of Muscatine, Mississippi Drive Corridor Project
CLIENT: Public Works Department, City of Muscatine, IA
CONTRACTOR: KE Flatwork, Inc.

| CHANGE ORDER NO. | DESCRIPTION | UNIT | UNIT PRICE | Date Drafted | Owner Signed | C.O. No. of Units | UNITS TO DATE | DOLLARS TO DATE | Total Cost | MPW PORTION | CITY PORTION |
|------------------|---|------|-------------|--------------|--------------|-------------------|---------------|-----------------|-------------|-------------|--------------|
| MDCR17-001 | Water Service Modifications to Mississippi Brew | LS | | 6/5/17 | N | 1 | | | | | |
| MDCR17-002 | CQA | LS | | | | | | | | | |
| MDCR17-003 | Stockpiled Materials. Refer to 8003 | LS | \$65,039.46 | 7/12/17 | Y | 1 | 0.555 | \$36,096.90 | \$65,039.46 | | \$65,039.46 |
| MDCR17-004 | Specialty Sign. Refer to 8004, 8005, 8006, 8007, and 8008. | LS | \$362.50 | 7/17/17 | Y | 1 | 1 | \$362.50 | \$362.50 | | \$362.50 |
| MDCR17-005 | Sump Pump Tie-In for 119 East Mississippi Drive (Gary Diereks). Refer to 8009 | LS | \$340.00 | 7/17/17 | Y | 1 | 1 | \$340.00 | \$340.00 | | \$340.00 |
| MDCR17-006 | Core Drilling & Re-Stocking Fee. Refer to 8010 and 8011. | LS | \$2,487.44 | 7/17/17 | Y | 1 | 1 | \$2,487.44 | \$2,487.44 | | \$2,487.44 |
| MDCR17-007 | VAULT LID MODIFICATIONS (ITC 002A) | LS | \$6,000.00 | 12/14/17 | | 1 | | | \$6,000.00 | \$6,000.00 | |
| MDCR17-008 | 2" WATER SER. LINE EDKIN (ITC 005) | LS | \$8,475.00 | 12/14/17 | | 1 | | | \$8,475.00 | \$8,475.00 | |
| MDCR17-009 | H2O SER. LINE MOD OLD HOTEL (ITC 020), LEAKY FLANGE | LS | \$292.50 | 12/14/17 | | 1 | | | \$292.50 | \$292.50 | |
| MDCR17-010 | STORM SEW 18" TO TWIN 12" (ITC 022) INTAKE 57 TO 61 | LS | \$1,347.52 | 12/14/17 | | 1 | | | \$1,347.52 | | \$1,347.52 |
| MDCR17-011 | 2ND HYDRANT RELOCATION AT OLD HOTEL (ITC 023) | LS | \$869.00 | 12/14/17 | | 1 | | | \$869.00 | | \$869.00 |
| MDCR17-012 | RESTRAINED JOINT ON 10" WATER CHESTNUT ST. (ITC 024) | LS | \$3,840.00 | 12/14/17 | | 1 | | | \$3,840.00 | \$3,840.00 | |
| MDCR17-013 | TRAFFIC SIGNAL FOUNDATIONS (ITC 025A) 7001,7002,7003 & 8017 | LS | \$100.00 | 12/14/17 | | 32 | | | \$3,200.00 | \$3,200.00 | |
| MDCR17-014 | ELIMINATE ELEC VAULT AT MUL. & SYC (ITC 027) | LS | \$2,285.00 | 12/14/17 | | 1 | | | \$2,285.00 | \$2,285.00 | |
| MDCR17-015 | STR LIGHT FOUNDATION LINN TO BROADWAY (ITC 029) | LS | \$2,285.00 | 12/14/17 | | 1 | | | \$2,285.00 | \$2,285.00 | |
| MDCR17-016 | WTR MOD BORE & EXST 6" ON PARK SIDE (ITC 032) | LS | \$4,849.50 | 12/14/17 | | 1 | | | \$4,849.50 | \$4,849.50 | |
| MDCR17-017 | 8x18" JUNC BOXES FOR STREET LIGHTS (ITC 035) | EA | \$490.00 | 12/14/17 | | 52 | | | \$25,480.00 | \$25,480.00 | |
| MDCR17-018 | ST. SEW ELEVATION CHANGE AT PINE (ITC 039) | LS | \$2,250.00 | 12/14/17 | | 1 | | | \$2,250.00 | | \$2,250.00 |
| MDCR17-019 | REVISE TRANSFORMER LOCATION NEAR TRAIL (ITC 040) | LS | | 12/14/17 | | | | | | | |
| MDCR17-020 | BURIED ELECTRICAL WARNING TAPE (ITC 041) | LF | \$1.00 | 12/14/17 | | 5000 | | | \$5,000.00 | \$5,000.00 | |
| MDCR17-021 | WATER MAIN ALONG BLUFF AND RESTOCKING FEE (ITC 42 & 42A) | LS | \$4,112.50 | 12/14/17 | | 1 | | | \$4,112.50 | \$3,132.50 | \$980.00 |
| MDCR17-022 | MILLING FOR TEMP BACKFILL OF TRAFFIC ISLANDS (ITC NA) | LS | \$1,465.00 | 12/14/17 | | 1 | | | \$1,465.00 | | \$1,465.00 |
| MDCR17-023 | H2O SER SMITHS LEAD SER. REPLACE. (ITC NA) | LS | \$3,041.17 | 12/14/17 | | 1 | | | \$3,041.17 | \$3,041.17 | |
| MDCR17-024 | EROSION CONTROL BLANKETS (ITC NA) | SY | \$3.50 | 12/14/17 | | 1000 | | | \$3,500.00 | | \$3,500.00 |
| MDCR17-025 | REMOVAL OF CONC AND PLACE HMA NEXT TO RR (ITC NA) | LS | \$2,103.74 | 12/14/17 | | 1 | | | \$2,103.74 | | \$2,103.74 |
| MDCR17-026 | TRAIL PATCH FOR WATER BORE (ITC NA) | LS | \$2,000.00 | 12/14/17 | | 1 | | | \$2,000.00 | \$2,000.00 | |
| MDCR17-027 | WATER DOWN BLUFF "SPRING FIX" (ITC NA) | LS | \$800.00 | 12/14/17 | | 1 | | | \$800.00 | | \$800.00 |
| MDCR17-028 | TEMP HANDICAPPED ACCESS RAMP LINN (ITC NA) | LS | \$500.00 | 12/14/17 | | 1 | | | \$500.00 | | \$500.00 |
| MDCR17-029 | EDKIN BUILDING SEWAGE BLOCKAGE (ITC NA) | LS | \$2,732.50 | 12/14/17 | | 1 | | | \$2,732.50 | | \$2,732.50 |
| MDCR17-030 | RESURVEY OF CONSTRUCTION STAKING | LS | \$880.00 | 12/14/17 | | 1 | | | \$880.00 | | \$880.00 |
| MDCR17-031 | SUBDRAINS AT OLD HOTEL HOOKING INTO INLETS (ITC NA) | LS | \$3,050.00 | 12/14/17 | | 1 | | | \$3,050.00 | | \$3,050.00 |
| MDCR17-032 | STORM STR 9A REVISION DUE TO ROCK (ITC NA) | LS | \$250.00 | 12/14/17 | | 1 | | | \$250.00 | | \$250.00 |
| MDCR17-033 | CONC. JERSEY BARRIERS AT CEDAR ST AT TRACK (ITC ??) | LS | \$4,000.00 | 12/14/17 | | 1 | | | \$4,000.00 | | \$4,000.00 |

AUTHORIZED
cancelled
No Time or Dollar Change.

+101041.22 FOR SIG. FOUNDA
HOLD THIS OPEN

HOLD THIS OPEN

LS \$168,636.89 \$27,917.70

CO PAID TO DATE \$39,286.84
CO TOTAL VALUE 8000'S \$160,552.83
CO 7000 ADDS \$101,041.22
CO TOAL VALUE= \$261,594.05 \$196,554.59 CHECK