



Roll Call Number

Agenda Item Number

11

Date July 19, 2021

APPROVING CHANGE ORDER NO. 1 WITH
RACCOON VALLEY CONTRACTORS, LLC FOR
ADDITIONAL WORK ON
NEAR WEST SIDE SEWER SEPARATION PHASE 3,
IN THE AMOUNT OF \$561,664.38

BE IT RESOLVED by the City Council of the City of Des Moines, Iowa, that the attached
Change Order No. 1 between the City of Des Moines and Raccoon Valley Contractors,
LLC., Matthew J. Van Hauen, Manager, 520 SE Prairie Park Lane, Waukee, Iowa, 50263,
for additional work on Near West Side Sewer Separation Phase 3, in the amount of
\$561,664.38, be and is hereby approved, and the City Manager is authorized and directed
to execute said change order.

(City Council Communication Number 21-322 attached)
Activity ID 07-2019-001

Moved by _____ to adopt.

FORM APPROVED: s/Kathleen Vanderpool
Kathleen Vanderpool
Deputy City Attorney

Funding Source: \$551,963.35 Near West Side Sewer Separation, SS132, Sanitary State
Revolving Fund Loan, and the remaining \$9,701.03 from Des Moines Water Works

Table with 5 columns: COUNCIL ACTION, YEAS, NAYS, PASS, ABSENT. Rows include COWNIE, BOESEN, GATTO, GRAY, MANDELBAUM, VOSS, WESTERGAARD, TOTAL, MOTION CARRIED.

CERTIFICATE

I, P. Kay Cmelik, City Clerk of said City hereby
certify that at a meeting of the City Council of said
City of Des Moines, held on the above date, among
other proceedings the above was adopted.

IN WITNESS WHEREOF, I have hereunto set my
hand and affixed my seal the day and year first
above written.

Mayor

City Clerk

CHANGE ORDER AGREEMENT NO. 1

Date: June 21, 2021

INITIATED BY: Contractor

Contractor: Raccoon Valley Contractors, LLC.

Project: Near West Side Sewer Separation Phase 3

Activity ID: 072019001

DESCRIPTION OF CHANGE ORDER AND PURPOSE

Adjust the Part A quantities to the as-constructed quantities.

Item 8001 The Contractor shall remove and replace additional water main, including valves and fittings, as directed by the Des Moines Water Works (DMWW) as part of the Water Main Alteration No. 6 (on Sheet D.13) to remove and relocate hydrant on 8" water main along University Avenue in Area 22. Modifications were required to complete the alteration due to actual site conditions encountered. Agreed to lump sum cost for "Water Main Alteration No. 6 Modifications" includes all labor, equipment, and materials necessary to complete the work and is fair and reasonable for the work involved. DES MOINES WATER WORKS ITEM

Item 8002 The Contractor shall retain the services of off-duty uniformed police officers for the purpose of providing temporary traffic control during the paving of the northeast quadrant of the 31st Street and University Avenue intersection. The paving process in this area was determined to restrict traffic in such a way that uniformed police officer control was warranted. Agreed to cost per hour for "Traffic Control, Uniformed Police Officer" includes all mobilization, labor, equipment, and materials necessary to complete the work and is fair and reasonable for the work involved.

Item 8003 The Contractor shall replace the sanitary sewer service to 1073 21st Street in its entirety from main to home connection. During construction the service was found to be of Orangeburg material, which must be replaced if disturbed during construction. The sewer service required adjustment to accommodate the proposed storm sewer and required full replacement. Replacement of the sanitary service through the property shall be completed by pipe bursting along with replacement of the service and a small portion of the main constructed by open cut excavation within the roadway. Agreed to lump sum cost for "Sewer Service Replacement, 1073 21st Street" includes all mobilization, labor, equipment, and materials necessary to complete the work and is fair and reasonable for the work involved.

Item 8004 The Contractor shall remove and replace the existing handhole located in the northeast quadrant of the 31st Street and University Avenue intersection. During construction, additional pavement removal was required which exposed the existing handhole and revealed a deteriorated condition requiring replacement. Agreed to lump sum cost for "Remove and Replace Handhole, Area 15" includes all mobilization, labor, equipment, and materials necessary to complete the work and is fair and reasonable for the work involved.

Item 8005 The Contractor shall remove and replace the existing handhole located in the northeast quadrant of the 25th Street and University Avenue intersection. During construction, access to the existing handhole was required for installation of the communication conduits which required the removal and re-installation of the existing handhole. Agreed to lump sum cost for "Remove and Replace Handhole, Area 22" includes all mobilization, labor, equipment, and materials necessary to complete the work and is fair and reasonable for the work involved.

Item 8006 The Contractor shall furnish and install 12 SM fiber optic line as directed by the City of Des Moines for control of the City's traffic signalization. Cable installation includes tracer wire and required terminations at the appropriate control cabinets. Originally planned to be installed by others, it was determined during construction that it was in the City's best interest for scheduling and coordination to have the Contractor install the required control fiber optic lines as part of the conduit installation work already being performed. Agreed to lump sum cost for "Fiber Optic Line, 12 SM" includes all

mobilization, labor, equipment, and materials necessary to complete the work and is fair and reasonable for the work involved.

Item 8007 The Contractor shall place temporary HMA pavement between the PCC bike lane and interim pavement removal limits along the north side University Avenue from 25th Street to 31st Street to fully open the street to traffic during winter construction shutdown. Temporary pavement includes asphalt mix with asphalt binder, tack coats, work zone protection, and associated work with acceptance testing of HMA not required. Temporary pavement was necessary due to schedule delays from utility conflicts limiting the available working time available for roadway reconstruction. Agreed to price per ton for "Temporary Pavement, HMA, ST Surface, 1/2" Mix" includes all labor, equipment, and materials necessary to complete the work and is fair and reasonable for the work involved.

Item 8008 The Contractor shall adjust the temporary traffic control along University Avenue to accommodate staging of work and work zone requirements of the site development south of University Avenue between 26th Street and 27th Street. Traffic control adjustments include shifting head to head traffic from southern two lanes to the middle two lanes. Modifications were required to the temporary traffic control due to delays in the construction schedule from utility conflicts and the need for working space by the development Contractor. Agreed to lump sum cost for "Temporary Traffic Control, University Ave Lane Shift" includes all labor, equipment, and materials necessary to complete the work and is fair and reasonable for the work involved.

Item 8009 The Contractor shall purchase from the City two abandoned, yet still in place, wood utility poles for their use to install temporary traffic signal installation at 28th Street and University Avenue. The Contractor shall maintain in safe working condition during use and will remove completely from the site immediately upon dismantling of the temporary traffic signals. Agreed to credit per each for "Temporary Signal, Utility Pole Credit" is fair and reasonable.

Item 8010 The Contractor shall remove abandoned concrete structures, footings, and vaults to the extent necessary for construction. Unknown concrete structures were encountered during excavation in several locations along University Avenue which conflicted with the proposed storm sewer installation and includes removal of structures located near Station 2012+50 (30' LT), 2031+50 (25' LT), and 2031+80 (30' RT). Efforts to remove required work that exceeded typical manhole or intake removal work such as saw-cutting or jackhammering. Agreed to cost per hour for "Abandoned Concrete Structure Removal" includes all labor, equipment, and materials necessary to complete the work and is fair and reasonable for the work involved.

Item 8011 The Contractor shall accommodate and assist utility companies in the relocation of utilities adjacent to the proposed storm sewer installation along University Avenue between 25th Street and 28th Street. Includes special excavation to expose utilities for location and relocation work as well as the removal of abandoned utility lines in conflict with construction. Special excavation was required to locate lines for utility companies to identify and relocate where appropriate as well as to carefully accommodate during storm sewer installation. Additionally, multiple abandoned utility conduits were found to run in direct conflict with the proposed storm sewer for approximately 700 feet requiring additional work to cut and remove as excavation progressed. Agreed to costs per hour for "Utility Relocation Assistance" includes all labor, equipment and materials necessary to complete the work and is fair and reasonable for the work involved.

Item 8012 The Contractor shall reset temporary traffic control upset by adjacent construction on University Avenue between 26th Street and 27th Street. Resetting of traffic control includes collecting and resetting channelizers, barricades, and signage back to their initially placed locations. During construction of improvements along University the close proximity of private construction along the south side of university resulted in work zone conflicts. Traffic control for University traffic was routinely upset, moved, or modified requiring regular resetting of the controls back to their intended locations. Agreed to costs per hour for "Temporary Traffic Control, Reset" includes all labor, equipment and materials necessary to complete the work and is fair and reasonable for the work involved.

Item 8013 The Contractor shall provide cold weather protections for concrete pavements and structures poured during cold weather. Cold weather protections may include hot water for concrete mixing, blanket covers, no fly ash, and concrete admixtures as recommended or directed. Utility delays during construction of the project along University Avenue limited the available working time available for roadway reconstruction. Agreed to lump sum price for "Cold Weather Concrete Protection" includes all labor,

equipment, and materials necessary to complete the work and is fair and reasonable for the work involved.

Item 8014 The Contractor shall core drill for a light arm mask pedestal at 29th Street and University Avenue. This item includes payment for core drilling, imported soil backfill, compaction, and finish grading to restore the area. Agreed to lump sum price for "Core Drilling for Light Arm Mask Pedestal" includes all labor, equipment, and materials necessary to complete the work and is fair and reasonable for the work involved.

Item 8015 The Contractor shall provide, install, and maintain temporary traffic control as required for a temporary full closure and detour of University Avenue from June 14 to June 27, 2020. Traffic control includes detour and closure signs, delivery, setup, resetting, repair, maintenance, removal, and associated work. During construction the coordination of the University Avenue paving of the west bound lanes and adjacent site developments, which included improvements to the east bound lanes, resulted in a scheduling conflict in lane closures. A two week window of full road closure was determined to be the best solution to alleviate the conflict and allow all work to continue on schedule. Agreed to lump sum price for "Temporary Traffic Control, University Avenue Detour" includes all labor, equipment, and materials necessary to complete the work and is fair and reasonable for the work involved.

Item 8016 The Contractor shall reconstruct the top of existing intake ST-22.19. Includes demolition and removal of existing top, excavation, forms, concrete, reinforcing, Type G casting, and associated work. During construction it was noted that the existing top of intake ST-22.19, which was to be protected, was cracked and in poor condition prior to construction. The top, which was integral to the Class A sidewalk, created an uneven walking surface and therefore was a safety hazard. Agreed to lump sum price for "Reconstruct Intake Top, ST-22.19" includes all labor, equipment, and materials necessary to complete the work and is fair and reasonable for the work involved.

Item 8017 The Contractor shall furnish, place, and compact 3" clean aggregate for stabilization of the subgrade in selected locations as directed by the Engineer. During construction of the subgrade for University Avenue, locations of unstable subgrade due to poor soils and wet conditions were identified. In the interest of expediting the critical path nature of the paving, the City requested the placement of additional rock base in those locations to stabilize the subgrade and allow the paving to proceed in a timely manner. Agreed to price per ton for "Subgrade Stabilization Rock, 3" Clean" includes all labor, equipment, and materials necessary to complete the work and is fair and reasonable for the work involved.

Item 8018 The Contractor shall place temporary PCC pavement at 25th Street and University Avenue and at Drake Park Avenue and 21st Street. Temporary pavement includes furnishing and placement of temporary concrete pavement, work zone protection, and associated work. Temporary pavement was determined to be necessary due to schedule delays limiting the available working time available for roadway reconstruction. Reconstruction of HMA pavement patches was not possible with the available time prior to winter shut down, so temporary pavement was placed to allow the full roadway to be reopened for the winter season. Agreed to price per square yard for "Temporary Pavement, PCC" includes all labor, equipment, and materials necessary to complete the work and is fair and reasonable for the work involved.

Item 8019 The Contractor shall construct a PCC retaining wall in accordance with SUDAS Section 9072. Item includes excavation, subdrain, weep holes, reinforcing, and associated work. Drake University requested a PCC retaining wall be installed to protect a tree in close proximity to the proposed sidewalk with grade changes. During construction another location was identified adjacent at 21st Street and Atkins Street where a short PCC retaining wall would allow for protection of the grade and adjacent features due to the proposed sidewalk grades. Agreed to price per square foot for "PCC Retaining Wall" includes all labor, equipment, and materials necessary to complete the work and is fair and reasonable for the work involved.

Item 8020 During construction the Contractor began excavating for the relocated traffic signal base near 29th Street and University Avenue and encountered an old concrete foundation base that conflicted with the construction. In the course of resolving the conflict, it was decided to leave the existing signal in its current location and modify the sidewalk and ramp paving around it to meet accessibility guidelines. This item includes a credit for the signal relocation work which wasn't completed along with payment for mobilization, reinforcing cage, and excavation that was completed prior to abandoning the footing work. Agreed to lump sum price deduct for "Traffic Signal, Abandoned Footing" is fair and reasonable.

Item 8021 The Contractor shall install a new traffic signal conduit under Forest Avenue at 25th Street and

reroute existing signal wires through the new conduit. Item includes conduit, boring, traffic wire, push button wires, loop lead in cable, Type 1 hand hole, and associated work. During construction it was found that the existing traffic signal conduit was in conflict with the new storm sewer and would also be in the new pavement subbase. Relocating the traffic signal conduit was necessary to avoid these conflicts. Agreed to lump sum price for "Conduit, Boring, 25th and Forest" includes all labor, equipment, and materials necessary to complete the work and is fair and reasonable for the work involved.

Item 8022 The Contractor shall fabricate, install, and maintain detour signs for the indication of alternate business entrances to business on 24th Street and 25th Street south of University. Item includes custom detour signs for specific business as directed by the City, stands, resetting, repair, or maintenance of signs and stands, delivery, setup, removal, and associated work. Due to staging of the construction along 24th and 25th Street, concerns about atypical access to those business warranted the addition of signage that directed traffic to the alternative business entrances. Agreed to price per each for "Signs, Business Entrance Detour" includes all labor, equipment, and materials necessary to complete the work and is fair and reasonable for the work involved.

Item 8023 The Contractor shall relocate the hydrant lead as directed by the Des Moines Water Works (DMWW) on 24th Street south of University Avenue. Agreed to lump sum cost for "Hydrant Adjustment, 24th Street" includes all labor, equipment, and materials necessary to complete the work and is fair and reasonable for the work involved. DES MOINES WATER WORKS ITEM

Item 8024 The Contractor shall install and maintain message boards for the eastbound closure of University Avenue from 21st Street to Martin Luther King Jr. Parkway. Prior to work beginning it was determined that maintaining an eastbound lane for through traffic would not be safe for the construction crew and the traveling public. Work would also proceed more timely with full closure. Agreed to price per day for "Message Board, Area 18 Closure" includes all labor, equipment, and materials necessary to complete the work and is fair and reasonable for the work involved.

Item 8025 The Contractor shall provide and install RRFB pedestrian signals on the south side of University Avenue at 26th Street and 27th Street intersections. Item includes footings, RRFB signal installation, conduit and line connections, power and control wires, vendor start up and associated work. The contract plans indicated that the signals on the south side of University Avenue at those crosswalks were to be "by others" due to the unknown status of the site developments in those areas. During construction, coordination efforts by the City resulted in an agreement with the developer. In the agreement the City would install the south side signals provided by the developer. Agreed to lump sum price for "Traffic Signals, RRFB" includes all labor, equipment, and materials necessary to complete the work and is fair and reasonable for the work involved.

Item 8026 The Contractor shall investigate a possible sewer collapse at 21st Street and Drake Park Avenue intersection. Upon investigation, sewer was routed a different direction and the location of the possible collapse was abandoned already. Agreed to price per hour for "Sewer Collapse Investigation, 21st Street and Drake Park Ave" includes all labor, equipment, and materials necessary to complete the work and is fair and reasonable for the work involved.

Item 8027 The Contractor shall modify ST-21.1 to accommodate an existing 15" storm sewer pipe. Plans indicated that the existing pipe was a 12" storm sewer pipe. Agreed to price per hour for "Modifications to Connect Existing 15" Storm Sewer, ST-21.1" includes all labor, equipment, and materials necessary to complete the work and is fair and reasonable for the work involved.

Item 8028 The Contractor shall remove debris and rubble and trim the subgrade to the required elevation in advance of installation of temporary HMA pavement associated with Item 8007 on University Avenue from 25th Street to 31st Street. Agreed to price per hour for "Core Out, Temporary Pavement, University Avenue" includes all labor, equipment, and materials necessary to complete the work and is fair and reasonable for the work involved.

Item 8029 The Contractor shall reconnect the sanitary sewer service for 2124 Drake Park Avenue that was in conflict with the new storm sewer. Upon excavation of the storm sewer, the sanitary sewer service was found and running parallel with Drake Park Avenue. Work includes investigating and relocation of the service to no longer be in conflict with the new storm sewer. Agreed to lump sum cost for "Sewer Collapse Repair, 21st St and Drake Park Ave" includes all labor, equipment, and materials necessary to complete the work and is fair and reasonable for the work involved.

Item 8030 The Contractor shall install and opening into ST-22.13 for a future storm sewer connection by the adjoining development project. Agreed to cost per each for "Connect Storm Sewer, ST-22.13" includes all labor, equipment, and materials necessary to complete the work and is fair and reasonable for the work involved.

Item 8031 The Contractor shall modify three structure tops and one structure wall (ST-22.17 top and wall, ST-22.15A top, ST-20.14 top) to accommodate utility conflicts adjacent to the structures. Item includes demolition and removal of the existing structure, excavation, forms, reinforcing steel, Type G casting, and associated work. Agreed to cost per each for "Open-Throat Intake, Insert and Top Modifications" includes all labor, equipment, and materials necessary to complete the work and is fair and reasonable for the work involved.

Item 8032 The Contractor shall locate, protect, and support a fiber optic duct in close proximity to new storm sewer infrastructure added to the project as part of Revision 10 at 28th Street and University Avenue. Item includes controlled and hand excavation and temporary protection and support of the fiber optic duct bank during construction of approximately 50 feet of storm sewer pipe and two associated structures. Agreed to price per hour for "Utility Accommodation and Protection, 28th St and University Ave" includes all labor, equipment, and materials necessary to complete the work and is fair and reasonable for the work involved.

Item 8033 The Contractor shall reconstruct the intake top of ST-23.4 at 25th Street and University Avenue due to poor condition. Item includes demolition and removal of the existing top, excavation, forms, concrete, reinforcing steel, Type G Casting, and associated work. Agreed to lump sum cost for "Reconstruct Intake Top, ST-23.4" includes all labor, equipment, and materials necessary to complete the work and is fair and reasonable for the work involved.

Item 8034 The Contractor shall modify ST-23.13 to accommodate a larger pipe than what was shown on the plans. Agreed to lump sum cost for "Modifications to Connect Existing 12" Storm Sewer, ST-23.13" includes all labor, equipment, and materials necessary to complete the work and is fair and reasonable for the work involved.

Item 8035 The Contractor shall modify manhole ST-23.8 to raise storm sewer pipe avoiding a sanitary sewer service. Agreed to price per hour for "Modifications to Structure to Raise Pipe Invert, ST-23.8" includes all labor, equipment, and materials necessary to complete the work and is fair and reasonable for the work involved.

Item 8036 The Contractor shall repair a sewer service connection at 25th Street and University Avenue where a sink hole had developed. Agreed to price per hour for "Sewer Collapse Repair, 25th St and University Ave" includes all labor, equipment, and materials necessary to complete the work and is fair and reasonable for the work involved.

The contract completion date shall be extended to July 30, 2021 for extra work per this change order.

SETTLEMENT FOR COST OF CHANGED WORK

A. CHANGE OF PLANS TO BE INCLUDED IN AS-BUILT MEASUREMENT OF CONTRACT ITEMS:

| ITEM | DESCRIPTION | UNITS | UNIT PRICE | AMOUNT |
|-------------|-------------------------------------|--------------|-------------------|---------------|
| 1 | Clearing and Grubbing | 38.00 UNIT | \$60.00 | \$2,280.00 |
| 2 | Topsoil, Offsite | -481.00 CY | \$55.85 | (\$26,863.85) |
| 3 | Below Grade Excavation (Core Out) | -1,232.80 CY | \$20.00 | (\$24,656.00) |
| 4 | Subgrade Preparation | -2,106.00 SY | \$6.75 | (\$14,215.50) |
| 5 | Subgrade Treatment, Geogrid, Type 2 | 6,015.00 SY | \$4.50 | \$27,067.50 |
| 6 | Subbase, Modified, 6" | -3,604.00 SY | \$13.50 | (\$48,654.00) |
| 7 | Subbase, Modified, 8" | -732.00 SY | \$15.90 | (\$11,638.80) |
| 8 | Subbase, Modified, 12" | 1,564.00 SY | \$20.55 | \$32,140.20 |

| | | | | |
|----|--|--------------|-------------|---------------|
| 9 | Class A Roadstone | 605.00 TON | \$46.40 | \$28,072.00 |
| 10 | Trench Foundation | -248.00 TON | \$30.00 | (\$7,440.00) |
| 11 | Imported Granular Backfill | 1,005.00 TON | \$25.00 | \$25,125.00 |
| 12 | Special Pipe Support | -15.00 EACH | \$1,500.00 | (\$22,500.00) |
| 13 | Sanitary Sewer Service Replacement | -7.00 EACH | \$4,400.00 | (\$30,800.00) |
| 14 | Storm Sewer, Trenched, DIP, 3" | -37.00 LF | \$182.00 | (\$6,734.00) |
| 15 | Storm Sewer, Trenched, DIP, 4" | 35.00 LF | \$182.00 | \$6,370.00 |
| 17 | Storm Sewer, Trenched, RCP, 12" | 12.00 LF | \$184.00 | \$2,208.00 |
| 19 | Storm Sewer, Trenched, RCP, 18" | 40.00 LF | \$195.00 | \$7,800.00 |
| 20 | Storm Sewer, Trenched, RCAP, 18" | -9.00 LF | \$217.00 | (\$1,953.00) |
| 24 | Removal of Storm Sewer, Less Than or Equal to 30" | -167.00 LF | \$113.00 | (\$18,871.00) |
| 29 | Water Service Replacement, Less Than or Equal to 2" | -5.00 EACH | \$5,400.00 | (\$27,000.00) |
| 30 | Water Service Replacement, Greater Than or Equal to 4" | -1.00 EACH | \$7,000.00 | (\$7,000.00) |
| 31 | Water Service Tap | -9.00 EACH | \$1,000.00 | (\$9,000.00) |
| 32 | Water Main Alteration, Type 1, 8" | -1.00 EACH | \$11,000.00 | (\$11,000.00) |
| 45 | Intake Type SW-507 | -1.00 EACH | \$7,500.00 | (\$7,500.00) |
| 48 | Intake, Type SW-541 | 1.00 EACH | \$6,000.00 | \$6,000.00 |
| 53 | Pavement, PCC, 6" | 17.00 SY | \$69.00 | \$1,173.00 |
| 54 | Pavement, PCC, 9" | -112.90 SY | \$114.00 | (\$12,870.60) |
| 56 | Beam Curb, 6" Width | -158.00 LF | \$48.00 | (\$7,584.00) |
| 57 | Beam Curb, 12" Width | 47.00 LF | \$52.00 | \$2,444.00 |
| 58 | Pavement, HMA HT Base, 1" Mix, PG 58-28 S | -576.90 TON | \$116.00 | (\$66,920.40) |
| 59 | Pavement, HMA ST Base, 3/4" Mix, PG 58-28 S | 146.57 TON | \$120.00 | \$17,588.40 |
| 60 | Pavement, HMA HT Intermediate, 3/4" Mix, PG 58-28 S | 542.99 TON | \$124.00 | \$67,330.76 |
| 61 | Pavement, HMA HT Surface, 1/2" Mix, No Fric., PG 58-28 V | 93.27 TON | \$123.00 | \$11,472.21 |
| 62 | Pavement, HMA ST Surface, 1/2" Mix, No Fric., PG 58-28 S | 348.00 TON | \$110.00 | \$38,280.00 |
| 68 | Sidewalk, PCC, 6" | 221.10 SY | \$105.00 | \$23,215.50 |
| 71 | Driveway, Paved, PCC, 7" | 421.40 SY | \$80.00 | \$33,712.00 |
| 72 | Full Depth Patch, PCC | 243.60 SY | \$125.00 | \$30,450.00 |
| 73 | Full Depth Patch, Composite | 973.50 SY | \$188.00 | \$183,018.00 |
| 74 | Milling | 200.00 SY | \$35.00 | \$7,000.00 |
| 75 | Pavement Removal | 948.00 SY | \$13.00 | \$12,324.00 |
| 76 | Steel Rail Track Removal | 861.00 LF | \$40.00 | \$34,440.00 |
| 79 | Temporary Painted Pavement Markings, Solvent/Waterborne | 141.30 STA | \$75.00 | \$10,597.50 |

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|----|---------------------------|------------|----------|--------------|
| 81 | Pavement Markings Removed | -67.01 STA | \$55.00 | (\$3,685.55) |
| 92 | Tree Trimming | 14.00 EACH | \$200.00 | \$2,800.00 |
| 97 | Conduit, PVC, 2" | -25.00 LF | \$25.00 | (\$625.00) |
| 98 | Conduit, PVC, 4" | -200.00 LF | \$26.00 | (\$5,200.00) |

NET CHANGE PART A

\$240,196.37

B. ITEMS FOR WHICH CONTRACT UNIT PRICES ARE NOT ESTABLISHED:

| ITEM | DESCRIPTION | UNITS | UNIT PRICE | AMOUNT |
|------|--|------------|--------------|--------------|
| 8001 | Water Main Alteration No. 6 Modifications | 1.00 LS | \$8,321.63 | \$8,321.63 |
| 8002 | Traffic Control, Uniformed Police Officer | 16.00 HOU | \$49.50 | \$792.00 |
| 8003 | Sewer Service Replacement, 1073 21st St. | 1.00 LS | \$14,946.80 | \$14,946.80 |
| 8004 | Remove and Replace Handhole, Area 15 | 1.00 LS | \$2,046.00 | \$2,046.00 |
| 8005 | Remove and Replace Handhole, Area 22 | 1.00 LS | \$4,019.40 | \$4,019.40 |
| 8006 | Fiber Optic Line, 12 SM | 1.00 LS | \$18,228.10 | \$18,228.10 |
| 8007 | Temporary Pavement, HMA, ST Surface, 1/2" Mix | 520.43 TON | \$143.00 | \$74,421.49 |
| 8008 | Temporary Traffic Control, University Ave Lane Shift | 1.00 LS | \$1,100.00 | \$1,100.00 |
| 8009 | Temporary Signal, Utility Pole Credit | 2.00 EACH | (\$250.00) | (\$500.00) |
| 8010 | Abandoned Concrete Structure Removal | 14.00 HOU | \$853.60 | \$11,950.40 |
| 8011 | Utility Relocation Assistance | 16.00 HOU | \$853.60 | \$13,657.60 |
| 8012 | Temporary Traffic Control, Reset | 2.00 HOU | \$853.60 | \$1,707.20 |
| 8013 | Cold Weather Concrete Protection | 1.00 LS | \$19,429.41 | \$19,429.41 |
| 8014 | Core Drilling for Light Arm Mask Pedestal | 1.00 LS | \$4,840.00 | \$4,840.00 |
| 8015 | Temporary Traffic Control, University Ave Detour | 1.00 LS | \$36,245.00 | \$36,245.00 |
| 8016 | Reconstruct Intake Top, ST-22.19 | 1.00 LS | \$8,667.45 | \$8,667.45 |
| 8017 | Subgrade Stabilization Rock, 3" Clean | 175.72 TON | \$39.60 | \$6,958.51 |
| 8018 | Temporary Pavement, PCC | 366.00 SY | \$55.00 | \$20,130.00 |
| 8019 | PCC Retaining Wall | 64.00 SF | \$93.50 | \$5,984.00 |
| 8020 | Traffic Signal, Abandoned Footing | 1.00 LS | (\$5,467.18) | (\$5,467.18) |
| 8021 | Conduit, Boring, 25th & Forest | 1.00 LS | \$5,289.90 | \$5,289.90 |
| 8022 | Signs, Business Entrance Detour | 5.00 EACH | \$220.00 | \$1,100.00 |
| 8023 | Hydrant Adjustment, 24th Street | 1.00 LS | \$1,379.40 | \$1,379.40 |
| 8024 | Message Board, Area 18 Closure | 5.00 DAY | \$150.00 | \$750.00 |
| 8025 | Traffic Signals, RRFB | 1.00 LS | \$15,723.40 | \$15,723.40 |
| 8026 | Sewer Collapse Investigation, 21st St and Drake Park Ave | 2.00 HOU | \$853.60 | \$1,707.20 |
| 8027 | Modifications to Connect Existing 15" Storm Sewer, ST-21.1 | 3.00 HOU | \$853.60 | \$2,560.80 |

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|-------------------|---|-----------|-------------|---------------------|
| 8028 | Core Out, Temporary Pavement, University Ave | 13.00 HOU | \$853.60 | \$11,096.80 |
| 8029 | Sewer Collapse Repair, 21st St and Drake Park Ave | 1.00 LS | \$14,983.10 | \$14,983.10 |
| 8030 | Connect Storm Sewer, ST-22.13 | 1.00 EACH | \$1,100.00 | \$1,100.00 |
| 8031 | Open-Throat Intake, Insert and Top Modifications | 4.00 EACH | \$1,650.00 | \$6,600.00 |
| 8032 | Utility Accommodation and Protection, 28th St and University Ave | 5.00 HOU | \$853.60 | \$4,268.00 |
| 8033 | Reconstruct Intake Top, ST-23.4 | 1.00 LS | \$2,200.00 | \$2,200.00 |
| 8034 | Modifications to Connect Existing 12" Storm Sewer, ST-23.13 | 1.00 LS | \$1,817.20 | \$1,817.20 |
| 8035 | Modifications to Structure to Raise Pipe Invert, ST-23.8 | 2.00 HOU | \$853.60 | \$1,707.20 |
| 8036 | Sewer Collapse Repair, 25th St and University Ave | 2.00 HOU | \$853.60 | \$1,707.20 |
| NET CHANGE PART B | | | | \$321,468.01 |
| TOTAL | | | | \$561,664.38 |

Original Contract Amount \$7,445,568.30
 Previous Change Orders \$0.00
 Amount of Change By This Change Order \$561,664.38
 New Contract Amount Including This Change Order \$8,007,232.68
 Percentage of Change Orders to Original Contract 7.54%

C.M.B. 7/7/2021 DMK *MEZAK* 07/06/2021
 Craig M. Bouska, P.E. Date Steven L. Naber, P.E. Date
 Civil Engineer III Des Moines City Engineer
Matt A. Sanders 7/7/2021
 Raccoon Valley Contractors, LLC. Date Scott E. Sanders Date
 City Manager
[Signature] 6/23/21
 Des Moines Water Works Date Roll Call No. Date

Distribution: Original - Project File Copy - Craig M. Bouska, P.E.
 Copy - Prime Contractor Civil Engineer III
 Copy - Contract Compliance
 Copy - Finance Department
 Copy - Inspection Copy - , Snyder & Associates, Inc.
 Copy - Dan Pritchard, Public Works
 Carla Schumacher, Des Moines Water
 Works

| FUNDING INFORMATION | | | |
|---------------------|--------------|--------------|-----|
| CIP Page | Sanitary - 7 | Reviewer | DMK |
| Object Code | 543030 | Adequate | X |
| Organization | E104PW99 | Transfer \$ | |
| Project | SS132 | Object Code | |
| Activity ID | 072019001 | Organization | |
| | | Project | |

Adjustment of quantities to the as-built quantities and the addition of stabilization aggregate, watermain, sanitary sewer service replacement, City fiber optic cable and conduit, signal modifications, temporary pavement and removal, traffic control for the closure of University Avenue, cold weather protection of concrete, franchise utility adjustments, structure modifications, and miscellaneous construction items.