

CHANGE ORDER NO.: 1

Owner: City of Franklin, TN Date Issued: 10/4/2019
 Engineer: Civil & Environmental Consultants, Inc.
 Contractor: Civil Constructors
 Project Name: Henpeck Lane Interceptor Project
 Owners Contract No.: COF 2019-0093
 Effective Date of Change Order: 11/12/2019

The Contract is modified as follows upon execution of this Change Order:

Description:

Work Change Directive #1 – Substitution of surge stone in place of machined rip rap (Class A-3) for the installation of the construction entrances throughout the job.

Work Change Directive #2 – Substitution of non-wire backed silt fence and filter sock in place of wire backed silt fence in certain areas.

Work Change Directive #3 – Additional time request for weather and delays related to permits for the 5-Mile Creek Crossing.

Work Change Directive #4 – Additional sanitary service laterals for 1268 Lewisburg Pike and 404 Ellington Drive.

Attachments:

Work Change Directive #1

Work Change Directive #2

Work Change Directive #3

Work Change Directive #4

| Change in Contract Price | Change in Contract Times [State Contract Times as number of days] |
|---|---|
| Original Contract Price: \$ 3,203,238.00 | Original Contract Times: Substantial Completion: June 2, 2020 Ready for final payment: July 2, 2020 |
| [Increase] [Decrease] from previously approved Change Orders No. 1 to No. 1 \$ 0 | [Increase] [Decrease] from previously approved Change Orders No.1 to No. 1: 0 days Substantial Completion: June 2, 2020 Ready for final payment: July 2, 2020 |
| Contract Price prior to this Change Order: \$ 3,203,238.00 | Contract Times prior to this Change Order: Substantial Completion: June 2, 2020 Ready for final payment: July 2, 2020 |
| [Increase] [Decrease] this Change Order: \$ 0 | [Increase] [Decrease] this Change Order: 16 days Substantial Completion: June 18, 2020 Ready for final payment: July 18, 2020 |
| Contract Price incorporating this Change Order: \$ 3,203,238.00 | Contract Times with all approved Change Orders: Substantial Completion: June 18, 2020 Ready for final payment: July 18, 2020 |

Recommended by Engineer

By: Eric Gardner

Title: Senior Project Manager

Recommended by Department Director

By:

Title:

MODIFIED - EJCDC® C-941, Change Order.

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Page 1 of 2

Date: 10/4/19

Date:

10/4/19

Recommended by City Project Manager

Authorized by Owner

By: Patricia V. Nee

By:

Title: Utilities Engineer II

Title Mayor, City of Franklin, TN

Date: 10/16/19

Date:

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WORK CHANGE DIRECTIVE NO.: 1

Owner: **City of Franklin, TN** Date Issued: **7/3/2019**
Engineer: **Civil & Environmental Consultants, Inc.**
Contractor: **Civil Constructors**
Project Name: **Henpeck Lane Interceptor Project**
Owners Contract No.: **COF 2019-0093**
Effective Date of Work Change Order: **6/7/2019**

Contractor is directed to proceed promptly with the following change(s):

Description:

The contractor may substitute surge stone in place of Machined Rip Rap (Class A-3) for the installation of the construction entrances throughout the job.

Attachments:

RFI #1 Response 060719 and RFI #1 Cost Difference

Purpose for the Work Change Directive:

The contractor requested the substitution as it allows for a more manageable and accessible construction entrance using the surge stone in place of the Class A-3 rip rap.

Directive to proceed promptly with the Work described herein, prior to agreeing to change in Contract Price and Contract Time, is issued due to:

Notes to User—Check one or both of the following



☐ Non-agreement on pricing of proposed change. ☒ Necessity to proceed for schedule or other reasons.

Estimated Change in Contract Price and Contract Times (non-binding, preliminary):

| | | |
|-----------------|-------------------|-----------------|
| Contract Price: | <u>\$6,756.00</u> | DECREASE |
| Contract Time: | <u>0</u> days | DECREASE |

Basis of estimated change in Contract Price:

☒ Lump Sum ☐ Unit Price ☐ Cost of the Work ☐ Other

| | |
|--|--|
| Recommended by Engineer | Authorized by Owner |
| By: Eric Gardner  |  |
| Title: Senior Project Manager | Utilities Project Manager |
| Date: 7/3/19 | 7/8/19 |

WORK CHANGE DIRECTIVE NO.: 2

Owner: **City of Franklin, TN** Date Issued: **7/5/2019**
Engineer: **Civil & Environmental Consultants, Inc.**
Contractor: **Civil Constructors**
Project Name: **Henpeck Lane Interceptor Project**
Owners Contract No.: **COF 2019-0093**
Effective Date of Work Change Order: **7/1/2019**

Contractor is directed to proceed promptly with the following change(s):

Description:

The contractor may use non-wire backed silt fence between Manholes 17-26, Terra Tex silt fence throughout the project and Filtrexx 8" filter sock in lieu of silt fence.

Attachments:

RFI #11

Purpose for the Work Change Directive:

The substitution provides a cost savings. The filter sock is also easy to work with in areas near the creek crossings where it may be removed and reset from time to time to allow access.

Directive to proceed promptly with the Work described herein, prior to agreeing to change in Contract Price and Contract Time, is issued due to:

Notes to User—Check one or both of the following

☐ Non-agreement on pricing of proposed change. ☒ Necessity to proceed for schedule or other reasons.

Estimated Change in Contract Price and Contract Times (non-binding, preliminary):

Contract Price: \$2.04/LF for non-wire and \$1.75/LF for **DECREASE**
filter sock

Contract Time: 0 Days **DECREASE**

Basis of estimated change in Contract Price:

☐ Lump Sum ☒ Unit Price ☐ Cost of the Work ☐ Other

Recommended by Engineer

Authorized by Owner

By: Eric Gardner

E. Gardner

Patricia McNeese

Title: Senior Project Manager

Utilities Project Manager

Date: 7/5/19

7/18/19

WORK CHANGE DIRECTIVE NO.: 3

Owner: **City of Franklin, TN** Date Issued: **8/29/2019**
Engineer: **Civil & Environmental Consultants, Inc.**
Contractor: **Civil Constructors**
Project Name: **Henpeck Lane Interceptor Project**
Owners Contract No.: **COF 2019-0093**
Effective Date of Work Change Order: **8/27/2019**

Contractor is directed to proceed promptly with the following change(s):

Description:

Request from Contractor to add fifteen (15) days related to the delay of crossing 5-Mile Creek due to the tree removal associated with the USACE Permit and one (1) day for adverse weather in July.

Attachments:

Change Proposal Request #1
Change Proposal Request #2

Purpose for the Work Change Directive:

Add time to the construction contract due to delays beyond the contractor's control.

Directive to proceed promptly with the Work described herein, prior to agreeing to change in Contract Price and Contract Time, is issued due to:

Notes to User—Check one or both of the following

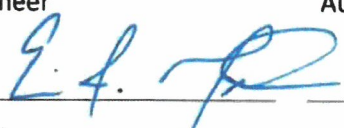
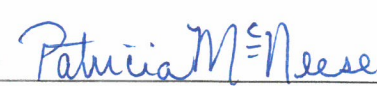
☐ Non-agreement on pricing of proposed change. ☒ Necessity to proceed for schedule or other reasons.

Estimated Change in Contract Price and Contract Times (non-binding, preliminary):

Contract Price: \$0.00 **DECREASE**
Contract Time: 16 days **[SELECT ONE]**

Basis of estimated change in Contract Price:

☐ Lump Sum ☐ Unit Price ☐ Cost of the Work ☐ Other

| | Recommended by Engineer | Authorized by Owner |
|--------|--|---|
| By: | Eric Gardner  | Patricia McNeese  |
| Title: | Senior Project Manager | Utilities Engineer II |
| Date: | 8/29/19 | 9/16/19 |

P.O. Box 685
Franklin, Tennessee 37065



Telephone (615) 236-9000
Fax (615) 236-9001

8/12/19

Eric Gardner, Senior Project Manager
Civil & Environmental Consultants, Inc.
117 Seaboard Lane, Suite E100
Franklin, TN 37067

Re:

Job Name: Henpeck Lane Interceptor Sewer
Description: Change Proposal #1.

Mr. Gardner,

Please accept this letter as Change Proposal #1 for the above referenced project. We are requesting 15 days related to delays to the critical path due to the tree removal associated with the Corp Permit.

For your consideration, please review the following:

- 1) During our internal review of the permits for the work, it was found that tree removal was not covered under the Corp permit. RFI #5 was submitted on 6/6/2019 requesting clarification. We received the response to RFI #5 and we were directed not to remove any trees at the creek. We received approval to remove the trees on 7/16/19. The schedule submitted 6/21/19 showed pipe installation from MH #1 to the Creek Crossing starting on 7/1/19. Since we were not able to remove the trees associated with the pipe installation, we are requesting days from 7/1/15 – 7/16/19 (15 days).

Should you have questions or require additional information, please contact me.

Best Regards,

A handwritten signature in blue ink that reads "Adam Charriere".

Adam, Charriere
Division Manager

P.O. Box 685
Franklin, Tennessee 37065



Telephone (615) 236-9000
Fax (615) 236-9001

8/12/19

Eric Gardner, Senior Project Manager
Civil & Environmental Consultants, Inc.
117 Seaboard Lane, Suite E100
Franklin, TN 37067

Re:

Job Name: Henpeck Lane Interceptor Sewer
Description: Change Proposal #2.

Mr. Gardner,

Please accept this letter as Change Proposal #2 for the above referenced project. We are requesting 2 days related to above average precipitation in July 2019.

For your consideration, please review the following:

- 1) According to the NOAA's Record of Climatological Observations based on readings from the Franklin Sewage Plan, we had 9 days where precipitation exceeded 0.10 – Inch during the month of July. We are also requesting (2) dry out days where the site was too wet from the previous rain event. This is (2) days above the foreseeable bad weather days for July listed in the contract documents. Please find the attached Data from NOAA for reference.

Should you have questions or require additional information, please contact me.

Best Regards,

A handwritten signature in blue ink that reads "Adam Charriere".

Adam, Charriere
Division Manager

Henpeck Sewer - Weather Tracking Summary

| | | | | | | | | | | | | | | |
|---|-----|-----|-----|-----|-----|------|------|-----|------|-----|-----|-----|--------|---------------|
| Number of Days With Percipitation >= .10 in Dry Out Days After Percipitation >= 1.0 in | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 2019 | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Annual | Project Total |
| Foreseeable Bad Weather Days | 8 | 9 | 9 | 9 | 9 | 8 | 9 | 7 | 7 | 6 | 7 | 9 | 97 | |
| Actual Bad Weather Days | | | | | | 7 | 11 | | | | | | | |
| | | | | | | | 2 | | | | | | | 2 |

| Year | Month | Day | Temperature (F) | | | Precipitation | | | | | Evaporation | | Soil Temperature (F) | | | | | |
|---------|-------|-----|------------------------------------|------|----------------|--|------|------------------------------|------|--------------|----------------------------|----------------------|----------------------|------|------|----------------------|------|------|
| | | | 24 Hrs. Ending at Observation Time | | At Observation | 24 Hour Amounts Ending at Observation Time | | | | At Obs. Time | 24 Hour Wind Movement (mi) | Amount of Evap. (in) | 4 in. Depth | | | 8 in. Depth | | |
| | | | Max. | Min. | | Rain, Melted Snow, Etc. (in) | Flag | Snow, Ice Pellets, Hail (in) | Flag | | | | Ground Cover (see *) | Max. | Min. | Ground Cover (see *) | Max. | Min. |
| 2019 | 07 | 01 | 92 | 70 | 71 | 0.00 | | | | | | | | | | | | |
| 2019 | 07 | 02 | 91 | 71 | 71 | 0.00 | | | | | | | | | | | | |
| 2019 | 07 | 03 | 92 | 71 | 73 | 0.00 | | | | | | | | | | | | |
| 2019 | 07 | 04 | 90 | 70 | 70 | 0.00 | | | | | | | | | | | | |
| 2019 | 07 | 05 | 90 | 70 | 70 | 0.22 | | | | | | | | | | | | |
| 2019 | 07 | 06 | 88 | 70 | 70 | 0.41 | | | | | | | | | | | | |
| 2019 | 07 | 07 | 90 | 70 | 73 | 1.04 | | | | | | | | | | | | |
| 2019 | 07 | 08 | 90 | 72 | 72 | 0.30 | | | | | | | | | | | | |
| 2019 | 07 | 09 | 93 | 71 | 72 | 0.00 | | | | | | | | | | | | |
| 2019 | 07 | 10 | 93 | 71 | 72 | 0.00 | | | | | | | | | | | | |
| 2019 | 07 | 11 | 93 | 72 | 74 | 0.08 | | | | | | | | | | | | |
| 2019 | 07 | 12 | 91 | 72 | 72 | 0.00 | | | | | | | | | | | | |
| 2019 | 07 | 13 | 89 | 72 | 74 | 0.00 | | | | | | | | | | | | |
| 2019 | 07 | 14 | 94 | 74 | 74 | 0.00 | | | | | | | | | | | | |
| 2019 | 07 | 15 | 89 | 69 | 71 | 0.06 | | | | | | | | | | | | |
| 2019 | 07 | 16 | 83 | 71 | 75 | 0.04 | | | | | | | | | | | | |
| 2019 | 07 | 17 | 88 | 75 | 75 | 0.16 | | | | | | | | | | | | |
| 2019 | 07 | 18 | 88 | 72 | 72 | 0.13 | | | | | | | | | | | | |
| 2019 | 07 | 19 | 88 | 71 | 71 | 0.23 | | | | | | | | | | | | |
| 2019 | 07 | 20 | 92 | 71 | 75 | 0.00 | | | | | | | | | | | | |
| 2019 | 07 | 21 | 92 | 71 | 73 | 0.27 | | | | | | | | | | | | |
| 2019 | 07 | 22 | 93 | 70 | 77 | 0.00 | | | | | | | | | | | | |
| 2019 | 07 | 23 | 87 | 66 | 67 | 1.19 | | | | | | | | | | | | |
| 2019 | 07 | 24 | 79 | 60 | 60 | 0.00 | | | | | | | | | | | | |
| 2019 | 07 | 25 | 82 | 57 | 58 | 0.00 | | | | | | | | | | | | |
| 2019 | 07 | 26 | 84 | 58 | 61 | 0.00 | | | | | | | | | | | | |
| 2019 | 07 | 27 | 89 | 61 | 65 | 0.00 | | | | | | | | | | | | |
| 2019 | 07 | 28 | 89 | 65 | 66 | 0.00 | | | | | | | | | | | | |
| 2019 | 07 | 29 | 90 | 66 | 66 | 0.00 | | | | | | | | | | | | |
| 2019 | 07 | 30 | 90 | 66 | 72 | 0.00 | | | | | | | | | | | | |
| 2019 | 07 | 31 | 88 | 68 | 68 | 0.00 | | | | | | | | | | | | |
| Summary | | | 89 | 69 | | 4.13 | | 0.0 | | | | | | | | | | |

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

WORK CHANGE DIRECTIVE NO.: 4

Owner: City of Franklin, TN Date Issued: 9/24/2019
Engineer: Civil & Environmental Consultants, Inc.
Contractor: Civil Constructors
Project Name: Henpeck Lane Interceptor Project
Owners Contract No.: COF 2019-0093
Effective Date of Work Change Order: 9/24/2019

Contractor is directed to proceed promptly with the following change(s):

Description:

The contractor shall install a service lateral for Tract I (approximately Station 31+60) and the McElroy property (approximately Station 6+90).

Attachments:

Henpeck Sewer – Tract I McElroy Sanitary Service

Purpose for the Work Change Directive:

The property owners for the two tracts requested approval for connection after the contract with Civil Constructors was awarded.

Directive to proceed promptly with the Work described herein, prior to agreeing to change in Contract Price and Contract Time, is issued due to:

Notes to User—Check one or both of the following

☐ Non-agreement on pricing of proposed change. ☒ Necessity to proceed for schedule or other reasons.

Estimated Change in Contract Price and Contract Times (non-binding, preliminary):

Contract Price: \$11,572.50 INCREASE

Contract Time: 0 Days DECREASE

Basis of estimated change in Contract Price:

☐ Lump Sum ☒ Unit Price ☐ Cost of the Work ☐ Other

Recommended by Engineer

By: Eric Gardner

Title: Senior Project Manager

Date: 9/24/19

Authorized by Owner

Patricia McNeese

Utilities Engineer II

9/24/19

P.O. Box 685
Franklin, Tennessee 37065



Telephone (615) 236-9000
Fax (615) 236-9001

CHANGE ORDER

PROJECT: Henpeck Sewer Interceptor CHANGE ORDER NUMBER 00001

CONTRACTOR: CIVIL CONSTRUCTORS LLC. DATE September 18, 2019
P. O. BOX 685
FRANKLIN, TN 37065

Addition / Deletion: Estimate for Tract I & McElroy Sewer Service

| Item | Amount | Unit | Cost | EXTENDED TOTAL |
|---|--------|------|-------------|---------------------|
| Tract I | | | | |
| (Item #29) 6" SDR 26 Gravity Sewer | 45 | LF | \$ 73.50 | \$ 3,307.50 |
| (Item #32) 6" SDR 26 Cleanout Assembly | 1 | EA | \$ 600.00 | \$ 600.00 |
| (Item #34) Lateral Service Connection - PVC | 1 | EA | \$ 1,250.00 | \$ 1,250.00 |
| (Item #8) Seeding | 45 | LF | \$ 1.50 | \$ 67.50 |
| McElroy Property | | | | |
| (Item #30) 6" DIP CL 350 Gravity Sewer | 15 | LF | \$ 113.00 | \$ 1,695.00 |
| (Item #33) 6" DIP Cleanout Assembly | 1 | EA | \$ 1,670.00 | \$ 1,670.00 |
| (Item #35) Lateral Service Connection - DIP | 1 | EA | \$ 2,960.00 | \$ 2,960.00 |
| (Item #8) Seeding | 15 | LF | \$ 1.50 | \$ 22.50 |
| Total | | | | \$ 11,572.50 |

OWNER:

The City of Franklin
109 Third Ave South
Franklin, TN 37064

SUB CONTRACTOR:

Civil Constructors LLC.
P. O. Box 685
Franklin, TN 37065

Signed by:

Date

Adam Charriere

Signed by:

September 18, 2019

Date