



STAFF REPORT

DATE: December 29, 2021
TO: Ty Lasher, City Manager
FROM: Anne Stephens, Public Works Director
RE: Woodlawn Project – Proposed Change Orders 1 and 2

Proposal Focus:

Our Mission

- Attractive growth and safe living – Encourage attractive neighborhoods and new developments.

Our Values

- Working Together – Departments working together as one team. Staff working with residents, HOA's and neighborhoods. Citizens working with each other.

Current Situation:

As the Contractor prepares for the water line bore underneath the railroad, they ran into a potential conflict with the installation of the new casing as it is too close to the existing casing to execute the bore as proposed. Additionally, when researching the proposed shutdown for the bore, they noticed that there is no clean way to shut off this area of main without disrupting the water service to a large number of houses.

Goals:

- To grow the City in an attractive, safe manner that is consistent with City standards.

Discussion:

The installation of the water line underneath the railroad was always planned to occur during the road construction project to avoid the need for additional temporary pavement or closure of the roadway which would be necessary for the bore pit on either side of the railroad property.

As the Contractor was preparing for the bore and the construction foreman was reviewing the plans, it came to their attention that there is potentially a conflict with the installation of the water line casing pipe as shown in the plans. It is the opinion of the foreman that the existing casing and proposed casing are too close together to execute the bore as proposed – there needs to be a certain amount of separation to ensure the safety and integrity of the existing water line as it remains in service. The second concern is the number of houses and businesses that will have their service interrupted due to the work and the proximity of the two lines.

Dondlinger has proposed two change orders that will help to address the concerns raised around the water line installation.

The first is the installation of two water valves on either side of the bore. These valves would allow us to isolate the water line underneath the railroad, while allowing customers on either side of the railroad to remain in service. Dondlinger's proposal for this change order is \$22,000.00.

The second change order provides two options for addressing the concern about the proposed and existing casing being too close together to be able to safely install. The first option is to utilize the existing casing, remove the existing waterline and thread a new waterline through the existing casing. This is largely determinant on the state of the existing casing and the ease of finding spacers or suitable interstitial fill material to allow the new water main pipe to be suspended in the casing pipe. This option will include a deduct for the new steel casing pipe minus the cost of the restocking fee since the pipe has already been purchased. The second option for addressing the concern is to lower the new water line below the existing casing pipe so a safe distance is achieved for the boring of the new casing pipe. Dondlinger's proposal for Option 1 is \$22,500.00. Their proposal for Option 2 is \$9,250.00.

Financials:

The additional cost associated with this Change Order will be included in the bonds for non-participating expenses and paid for out of the sanitary sewer fund.

Recommendation:

Staff recommends Council approve Proposed Change Order #1 for the 8" Gate Valves on either side of the railroad bore. The gate valves would provide additional flexibility to the water system and could prevent prolonged water outages for approximately 16 customers that are directly served by this area.

Staff also recommends that Council approve Proposed Change Order #2 – Option 2 for the re-use of the existing casing pipe – provided that it is in good condition and works with the available materials. This option will presumably save both time and cost by allowing the Contractor to repurpose some of the existing infrastructure.

Staff is working with KDOT to have this work performed on a "Force Account" basis, which would track labor and materials specifically utilized in the performance of both of these items. Since KDOT is the administrator of this contract, they will have the final say in how the work is performed. Council should also be aware that KDOT does allow a "Prime Contractor Markup" for administrative expenses incurred in additional sub-contractor work. This amount is not included in the proposed change orders submitted with this report as the formal change orders have not yet been received from Pearson.



November 19, 2021

Pearson Construction
Attn: Brian Boutwell
Project Manager

Ref: Woodlawn – 37th Street North to 45th Street North; **PCO #: 001**

Dear Brian:

As requested, below is our change order proposal for the discussed potential problem areas on the water line installation for the above referenced project:

Add:

New Item – Cut in & Install (2) 8” Gate Valves 1 LS @ \$22,000.00/LS = \$22,000.00

Total Add for this Change Order +\$22,000.00

Inclusions:

8” MJ Gate Valves, Valve Boxes, Flush Stations, Tracer Connectors, and Anodes.
Anchoring Materials for the two New Special Type Gate Valves.
Small Section of DICL Pipe, Polywrap, Poly Tape, DI and PVC Restraints, and Sleeves.
Bedding materials for New Pipe Components and Fittings.
Fill Sand for Approx 20ft on Each Side of Pipe Next to Cut In Location.
Labor and equipment cost to cut in and install the (2) Gate Valves and all Components.

If you have any questions, please feel free to email me at blysen@dondlingerconst.com or contact me at 316-945-0555.

Respectfully Submitted,

A handwritten signature in blue ink, appearing to read 'Braden Lysen', is written over a light blue horizontal line.

Braden Lysen
Dondlinger Construction



November 19, 2021

Pearson Construction
Attn: Brian Boutwell
Project Manager

Ref: Woodlawn – 37th Street North to 45th Street North; **PCO #: 002**

Dear Brian:

As requested, below is our change order proposal for the discussed potential problem areas on the water line installation for the above referenced project:

OPTION 1

New Item – Lower 8” Waterline Below Existing Casing 1 LS @ \$22,500.00/LS = \$22,500.00

TOTAL ADD **+\$22,500.00**

TOTAL ORIGINAL CONTRACT AMOUNT PLUS OPTION 1 = \$95,525.00

****Original Bid Item Cost: \$73,025.00**

Inclusions:

(4) 8” MJ 45 Deg Restrained Bends, Routing WL below Existing Casing.
Small Sections of DICL Pipe, Polywrap, Poly Tape, DI and PVC Restraints.
Sand Fill Flush and Vibrate for New Pipe Components and Fittings.
Labor & equipment cost to cut in and install new above components for new routing.

OPTION -2

Line Item #2 – WL: Re-using of the Existing 20” Steel Casing Pipe <\$15,380.00>
(Atkinson Pipe Cost, Already Purchased: \$5,750.00)

New Item – Demo Existing Materials in Casing 1 LS @ \$24,630.00/LS = \$24,630.00

TOTAL ADD **+\$9,250.00**

TOTAL ORIGINAL CONTRACT AMOUNT PLUS OPTION 2 = \$88,025.00

****Original Bid Item Cost: \$73,025.00**

Inclusions:

Cut Existing Waterline and Pull Out Existing WL Piping and Spacers.
Vacuum out and Clean Up of Existing Blow Sand inside of Casing.
Labor & equipment cost to cut out and remove components for WL routing.

If you have any questions, please feel free to email me at blysen@dondlingerconst.com or contact me at 316-945-0555.

Respectfully Submitted,

A handwritten signature in blue ink, appearing to read 'Braden Lysen', with a long horizontal flourish extending to the right.

Braden Lysen
Dondlinger Construction

PLAN WATER LINE_1
PROFILE WATER LINE_1

