



## STAFF REPORT

DATE: February 28, 2023  
TO: Ty Lasher, City Manager  
FROM: Anne Stephens, Public Works Director  
RE: Woodlawn Project – 18” Water Line Lowering

### **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:**

During the installation of the 36” storm sewer pipe on the west side of Woodlawn, Dondlinger discovered a conflict with the City’s 18” water line pipe. After reviewing the situation, the only way to remediate the conflict is to lower the water line pipe underneath the proposed storm sewer pipe.

### **Goals:**

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

### **Discussion:**

As noted above, as Dondlinger was installing the 36” storm sewer pipe on the west side of Woodlawn, they discovered a conflict with the City’s existing 18” water line. After thorough research by the project team and City staff, our only option is to lower the water line. The storm sewer is constrained by the design grades and is not able to be relocated, raised or lowered.

After discussing this conflict at the Construction Progress Meeting, it was found out that if the water main lowering were to be run through the KDOT contract, the lead time on materials would be around 12 weeks since there is a “Buy American” provision in the contract. After discussing alternatives with KDOT and Pearson, KDOT and Pearson are agreeable to us negotiating directly with Dondlinger for this work as it would get us out of the “Buy American” provision and allow us to source materials that have a 1-2 week lead time instead of a 12 week lead time. While we are not able to do this with every item that comes through, this was a good place for the change in order to keep the project moving forward as quickly as possible.

In addition to the 18” water main, there is also a 6” water main that runs along the west side of the road. It originally served properties in the neighborhood in the southwest corner of 45<sup>th</sup> and Woodlawn. Due to improvements made during the water and sanitary sewer relocation project prior to the KDOT Woodlawn Reconstruction, this line is no longer needed. Dondlinger has also included

a price for capping and abandoning this water line so we do not need to worry about the conflicting locations with this 6" water line and the storm sewer lines.

Dondlinger's cost for this change order is \$44,500.00.

**Financials:**

The additional cost associated with this Change Order will be included in the bonds and paid for out of the general fund. This Change Order will increase the total annual debt service payment by \$3,400.

A summary of costs for the Woodlawn project is provided below:

Original Contract (Bid) Price	\$8,571,662.01
Change Order 1 (disincentive for temporary asphalt that did not meet specs)	(\$1.00)*
Change Order 2 (sanitary sewer line reconstruction)	\$27,038.00
Change Order 3 (working day adjustment for CO 2)	No change in cost
Change Order 4 (exploratory excavation for waterlines under UPRR (\$5,685.75) and water line lowering	\$59,655.75
Change Order 5 (quantity adjustment for steel and temporary traffic marking tape)	\$39,281.90
Change Order 6 (Shifting of Water Lines 2 & 3)	\$6,405.00
Change Order 7 (Rock Ditch Check & Odessa Water Line/RCB conflict)	\$8,872.50
Change Order 8 (Adding lights to stop sign at 45 <sup>th</sup> Street)	\$756.00
Change Order 9 (45 <sup>th</sup> Street "DO NOT TURN LEFT" sign)	\$367.50
Change Order 10 (Extra Work for Additional Cost for Elliptical Pipe)	\$1,412.25
Proposed Change Order 11 (Retaining Walls for Odessa)	\$38,556.00
Dondlinger Water Line Lowering	\$44,500.00**
<b>Total Contract Cost with Proposed Change Order 11</b>	<b>\$8,798,505.91</b>

\* This quantity was previously shown as \$2,340.00, but Pearson made a change to their mix design that negates this disincentive and there have been no additional issues since the change to the mix design.

\*\* This change order will not be included as part of the KDOT contract, but will be run through as a completely separate contract with Dondlinger for expediency.

**Recommendation:**

It is staff's recommendation for Council to approve Dondlinger's quote in the amount of \$44,500.00 to lower the 18" water main and cap the existing 6" water main.



February 28, 2023

City of Bel Aire  
Attn: Anne Stephens  
City Engineer

Ref: Woodlawn – 37<sup>th</sup> Street North to 45<sup>th</sup> Street South

Dear Anne:

As requested, below is our estimated change order proposal for lowering the existing 18" waterline and capping of the existing 6" AC line that conflicts with SWS line 31. This proposal is based on imported materials.

**Add:**

New Item – Lower 18" WL @ 44 <sup>th</sup> St	1 LS @ 44,500.00/LS	\$44,500.00
<b>TOTAL ADD</b>		<b>\$44,500.00</b>

**Inclusions:**

- Installing 18" WL lowering on a 5' offset to the existing line and tying into the existing line.
- Providing 66 LF of 18" PVC C900, 8 EA of 45 deg Bends and 16 EA restraints for the fittings.
- All installation materials and hauling of the excess materials.
- Price does not include blowing off the line, just swabbing line and fitting with chlorine.
- Pipe fittings and restraints are based on imported materials and would not meet buy American.
  - **Lead times at this time are roughly 1-2 weeks, stock is not guaranteed to be available at time of order.**
- Cutting and capping of the existing 6" AC Line that, this will take 2 wide range coupling and two 6" caps.

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

Respectfully Submitted,

A handwritten signature in blue ink, appearing to read "Braden Lysen", written over a white background.

Braden Lysen  
Dondlinger Construction

## Dondlinger &amp; Sons Construction Co., Inc.

Job Number: 221024

Kansas Department of Transportation  
Cost Breakdown

Project No. 87 NB-0678-01 County: Sedgwick Date: 2/28/2023  
 Contractor: Dondlinger & Sons Const. Co., Inc.  
 Description: PCO 10a - 18" WL Lowering  
 of Work

Materials:	Contractors			
ITEM	UNIT	COST	QUANTITY	MATERIAL AMOUNT
18" C900 PVC Pipe	LF	\$110.91	66.00	\$7,320.06
18" 45 MJ Bend	EA	\$876.15	8.00	\$7,009.20
18" PVC Restraints	EA	\$396.39	16.00	\$6,342.24
6" MJ Cap	EA	\$65.00	2.00	\$130.00
6" MJ ACC Set	EA	\$32.00	2.00	\$64.00
6" Coupling 6.23-7.6	EA	\$275.00	2.00	\$550.00
6" PVC Pipe	LF	\$5.00	10.00	\$50.00
#67 Rock Bedding	T	\$25.00	30.00	\$750.00
Fill Sand	T	\$7.00	25.00	\$175.00
6.6 Sack Mix Concrete	CY	\$109.00	1.25	\$136.25
Winter Service Fees	CY	\$5.00	1.25	\$6.25
Fuel Surcharge	EA	\$10.00	1.00	\$10.00
Short Load Fees	EA	\$100.00	1.00	\$100.00
Chlorine	LS	\$15.00	1.00	\$15.00
Water Quality Test	EA	\$130.00	1.00	\$130.00
				\$0.00
Fuel - Gas	Gal	\$3.00	0.00	\$0.00
Tax @ 7.5%	LS	\$1,714.92	0.00	\$0.00
				\$0.00
Materials Total =				\$22,788.00

Labor:	CLASSIFICATION	NO.	RATE/HOUR	TOTAL HOURS	TOTAL EACH LABOR CLASS
	Foreman-Straight Time	1	\$34.89	35.00	\$1,221.15
	Operator	2	\$24.58	35.00	\$1,720.60
	Laborer	2	\$19.57	35.00	\$1,369.90
					\$0.00
					\$0.00
					\$0.00
					\$0.00
					\$0.00
					\$0.00
Labor Total =					\$4,311.65

Equipment:	TYPE	NO.	COST/HOUR	TOTAL HOURS	TOTAL FOR EACH PIECE
	Foreman - Pickup Truck	1	\$16.51	35.00	\$577.85
	Excavator Large	1	\$190.91	35.00	\$6,681.85
	Loader	1	\$84.49	35.00	\$2,957.15
	Truck - 2 Ton	1	\$27.19	35.00	\$951.65
					\$0.00
					\$0.00
					\$0.00
					\$0.00
					\$0.00
					\$0.00
Equipment Total =					\$11,168.50

Payroll Additives Cost		
Insurance	9.6% of Labor	\$413.92
Social Security (FICA) & Unemployment Taxes	13.65% of Labor	\$588.54
Workmens Compensation & General Liability	7.65% of Labor	\$329.84
Employee Fringe Benefits	6.50% of Labor	\$280.26
Retirement Benefits	8.00% of Labor	\$344.93
Payroll Additive Total =		\$1,957.49

Overhead & Profit for Labor @	20%	\$862.33
Overhead and Profit for Material @	15%	\$3,418.20
Overhead and Profit for Equipment @	0%	

Total Cost for Work Above		\$44,506.17
Total Cost for Subcontractors		\$0.00
Total Cost for Referenced Work		\$44,506.17

Contractors Signature

Project Manager

Title