

# EXHIBIT A

Prepared by the  
Utility Agreements and Permits Unit  
(Payable)  
(\$1,110,757.00)  
(Actual Cost)

S.P. 6982-322 (T.H. 35)  
Location: I-35, I-535 & US 53 in the City of  
Duluth  
Utility Owner: City of Duluth  
MnDOT Agreement Number 1034938  
Amendment Number 2

## **AMENDMENT NUMBER 2** **TO** **AGREEMENT NUMBER 1034938**

This Amendment Number 2 to Agreement Number 1034938 (Amendment) is between the State of Minnesota (State), acting through its Commissioner of Transportation, and City of Duluth, including its agents, contractors, and subcontractors (Utility Owner).

### **RECITALS**

The State has let a contract to construct State Project Number 6982-322 (Project) on Trunk Highway Number 35. The Project is located I-35, I-535 & US 53 in the City of Duluth.

The State and the Utility Owner entered into Agreement Number 1034938 (Original Agreement). Under the Original Agreement, the Utility Owner agreed to relocate Natural Gas Mains and their fixtures, and related equipment (Facilities) according to Exhibit A of the Original Agreement. The State agreed to reimburse the Utility Owner for this relocation. The State and the Utility Owner entered into Supplemental Agreement Number 1. Under Amendment Number 1, the Utility Owner agreed to changes from the Original Agreement.

The estimated agreement cost of the Original Agreement is \$ 584,440.00. Exhibit B attached to the Original Agreement shows this amount. Amendment Number 1 is in the amount of \$ 490,906.50. Exhibit B1 of Amendment Number 1 shows this amount. The total cost of the Original Agreement and Amendment Number 1 is \$ 1,075,346.50.

The Utility Owner anticipates that additional work to that in Exhibit A of the Original Agreement and Exhibit B1 of Amendment Number 1 will be necessary. The cost of the work will exceed the maximum amount in Exhibit B1 of Amendment Number 1.

The parties are willing to amend the Original Agreement as stated below.

## **AMENDMENT**

Unless otherwise noted, in this amendment, deleted contract terms will be ~~struck out~~ and added contract terms will be underlined.

### **Revision 1. Article IV.A.1. and 2. are amended to read as follows:**

1. Exhibit ~~B4~~ B2, which is attached to this Agreement, is a detailed, itemized estimate of the cost of the Utility Owner's relocation work. Actual cost includes all expenses attributable to design engineering and construction relocation work. Reimbursement will be based on the actual costs for work that conforms to Exhibit A. Betterment, increase in value, and salvage value derived from the relocated Facilities will not be included in this reimbursement.
2. The State will pay the Utility Owner for the actual cost the Utility Owner incurs performing its obligations pursuant to this Agreement, in an amount not to exceed ~~\$1,075,346.50~~ \$1,110,757.00, upon receiving:
  - a. Proof that the Facilities have been relocated to the Project Engineer's and Utilities Engineer's satisfaction; and
  - b. One original, signed invoice that is supported by an itemized statement of costs. An authorized representative of the Utility Owner must sign the invoice and submit the final bill to the Utilities Engineer no later than 90 days after completing the work.

## **RELATION TO THE ORIGINAL AGREEMENT**

Except as amended herein, the terms and conditions of the Original Agreement remain in full force and effect.

**The remainder of this page was left blank intentionally.**

**CITY OF DULUTH**

The undersigned certify that they have lawfully executed this contract on behalf of the Governmental Unit as required by applicable charter provisions, resolutions, or ordinances.

By: \_\_\_\_\_  
Mayor

Date: \_\_\_\_\_

Attested: \_\_\_\_\_  
City Clerk

Date: \_\_\_\_\_

Approved as to form:

By: \_\_\_\_\_  
City Attorney

Date: \_\_\_\_\_

Countersigned: \_\_\_\_\_  
City Auditor

Date: \_\_\_\_\_

**STATE OF MINNESOTA  
DEPARTMENT OF TRANSPORTATION**

**State Encumbrance Verification**

*Individual certifies that funds have been encumbered as required by Minnesota Statutes §§ 16A.15 and 16C.05.*

By: \_\_\_\_\_

Date: \_\_\_\_\_

Contract Number: \_\_\_\_\_

Order Number: \_\_\_\_\_

**Department of Transportation**

Recommended for Approval:

Approved:

By: \_\_\_\_\_  
District Engineer

By: \_\_\_\_\_  
Director, Office of Land Management

Date: \_\_\_\_\_

Date: \_\_\_\_\_

**Office of Contract Management**

Approved as to Form and Execution:

By: \_\_\_\_\_

Date: \_\_\_\_\_

**Department of Administration**

By: \_\_\_\_\_

Date: \_\_\_\_\_



## City of Duluth

Department of Public Works & Utilities  
Engineering Division  
211 City Hall · Duluth MN 55802  
Phone: (218) 730-5200 Fax: (218) 730-5907

S.P. 6982-322 (T.H. 35)  
MnDOT Agreement 1034938  
Amendment Number 2  
Exhibit "B2"

July 15, 2019

Carroll Aasen  
MN/DOT Office of Land Management  
395 John Ireland Blvd. – MS 678  
St. Paul, MN 55155

Re: S.P. 6982-322 (T.H.35) – Twin Ports Interchange  
Lower Michigan Street Gas Main Relocation  
Request – Agreement to Construct

Dear Mr. Aasen:

In our ongoing coordination with the local MnDOT project staff, it has been determined that the City of Duluth's 16" steel gas main located in Lower Michigan Street needs to be relocated to accommodate the work on I-35. The work includes not only the 16" steel transmission gas main construction, but it additionally requires some preparatory gas service construction in the adjacent neighborhood to separate building gas services from the transmission main.

We request a formal agreement for reimbursement of not only the construction costs, but also reimbursement of the costs of inspection and contract administration.

In summary, the anticipated costs are as follows:

### 1810 Gas Blanket Project

- 1) Preparatory Gas Service and Branch Mains. This work is necessary to allow shutdown of the 16" steel transmission gas main without cutting off building services. We intend to have this work completed by Hanco Utilities under the City's annual gas "blanket" construction contract. Hanco was selected by low bid public advertisement process. The cost of the preparatory gas relocation work is \$105,682.00.

### Lower Michigan 16" Gas Main Replacement

- 2) 16" Gas Transmission Main. This work includes the construction of the new transmission gas main. The City intends to hire a Contractor by public advertisement qualified low bid process to perform this work. The cost of the transmission main replacement is estimated ~~\$395,843.00~~ **\$886,749.50**

### Construction Services

- 3) Construction Inspection and Administration. The City intends to provide construction inspection and administration services with "in-house" staff. The cost of construction inspection and administration is \$82,915.00.

The total value of this proposed agreement is \$584,440.

Please contact me at 218-730-5104 or by email at [tpfeffer@duluthmn.gov](mailto:tpfeffer@duluthmn.gov) to answer your questions.

Sincerely,



Tom Pfeffer  
Senior Engineer

Enclosures

- Memorandum, Cost Estimate, and Work Order Plans for Preparatory Gas Service Work
- Plan and Cost Estimate for Construction of Lower Michigan Street Gas Main Relocation
- Cost Estimate Exhibit for City of Duluth Construction Inspection and Admin

Cc: Roberta Dwyer, MnDOT District 1 – Duluth  
John Krisiak, MnDOT District 1 - Duluth  
Eric Shaffer, City of Duluth  
Project File



## City of Duluth

DEPARTMENT OF PUBLIC WORKS/UTILITIES  
Engineering Division • 211 City Hall  
411 West First Street • Duluth MN 55802  
(218) 730-5200 Fax: (218) 730-5907

# NOTICE OF WORK REQUIRED

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**Date:** July 5, 2019

**Project:** 1822 Lower Michigan Gas Main  
Relocation

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MnDOT is proposing a project with the I-35 Interchange (can of worms) in Duluth, MN that will require the City of Duluth to relocate a portion of our 16" steel gas main on Lower Michigan between Garfield Ave and 19<sup>th</sup> Ave W.

This section of steel main currently has various 2" branch mains and services that uses gas for commercial buildings. For the city to move this 16" gas main, we will be required to purge gas to air in the areas where it is currently service customers. Prior to purging, the city would install new 2" PE down alternate routes and reconnect to the new main so these customers will have gas.

Attached are the plans and routes in which the City of Duluth will install. This work will be done under the city's project 1810 Gas Blanket Project.

The estimated cost for this work is \$105,682.00 as shown in Exhibit A.

# 1810 Gas Blanket Project

S.P. 6982-322 (T.H. 35)  
MnDOT Agreement 1034938  
Amendment Number 2  
Exhibit "B2"

CITY OF DULUTH ENGINEERING DIVISION

**Project:** Construction of 1/2" & 1" Plastic Gas Services

and 1", 2", 3", 4", and 6" High Pressure Plastic Gas Main

and related work in various locations in the City of Duluth

**Contractor:** HANCO UTILITIES

City of Duluth Project No. 1810

## EXHIBIT A

Item No.	Spec. No.	Description	Unit	Est. Qty	Unit Price	Quantity to Date	Total Price
1	2021.501	Mobilization	LS	1	\$15,000.00	0.00	\$0.00
2	2104.501	Remove PE Gas Main	Lin Ft	150	\$6.00	0.00	\$0.00
3	2104.501	Remove Risers	Each	57	\$100.00	0.00	\$0.00
3	2104.501	Remove Steel Gas Main Less than 6"	Lin Ft	200	\$6.00	50.00	\$300.00
4	2104.501	Remove Steel Gas Main 6" & Larger	Lin Ft	100	\$6.00	0.00	\$0.00
5	2104.503	Remove Concrete Pavement (does not include sidewalk)	SY	130	\$25.00	1465.00	\$36,625.00
6	2104.505	Remove Bituminous Pavement	SY	65	\$20.00	25.00	\$500.00
7	2104.513	Saw Bituminous or Concrete Pavement Full Depth	Lin Ft	500	\$5.00	630.00	\$3,150.00
8	2105.501	Trench Box Installation and Removal	Each	10	\$10.00	0.00	\$0.00
9	2105.503	Granular Backfill (tons)	Tons	75	\$35.00	0.00	\$0.00
10	2105.503	Boulder Excavation (Trench)	Cu Yd	10	\$25.00	0.00	\$0.00
11	2211.502	Aggregate Base or Driving Surface, Class 5 (tons)	Tons	75	\$35.00	10.00	\$350.00
12	2451.601	Rock Excavation (Trench)	Cu Yd	20	\$250.00	0.00	\$0.00
13	2505.602	Televising of Sanitary or Storm Sewer Lateral	Each	10	\$125.00	0.00	\$0.00
14	2505.602	Location of Sanitary or Storm Sewer Lateral by Sonde Method	Each	2	\$75.00	0.00	\$0.00
15	2505.602	Excavation for Potholing Sanitary or Storm Sewer Lateral, 0' - 7' Deep	Each	15	\$475.00	0.00	\$0.00
16	2505.602	Excavation for Potholing Sanitary or Storm Sewer Lateral, 7' - 10' Deep	Each	4	\$375.00	0.00	\$0.00
17	2505.602	Furnish & Install 6" PE Valve & Valve Box (No Excavation)	Each	2	\$500.00	0.00	\$0.00
18	2505.602	Furnish & Install 4" PE Valve & Valve Box (No Excavation)	Each	3	\$400.00	0.00	\$0.00
19	2505.602	Furnish & Install 3" PE Valve & Valve Box (No Excavation)	Each	5	\$350.00	4.00	\$1,400.00
20	2505.602	Furnish & Install 2" PE Valve & Valve Box (No Excavation)	Each	30	\$250.00	0.00	\$0.00
21	2505.602	Furnish & Install 1" PE Valve & Valve Box (No Excavation)	Each	30	\$200.00	9.00	\$1,800.00
22	2505.602	Reconnect Existing PE Services to New Main	Each	150	\$375.00	12.00	\$4,500.00
23	2505.602	Excavation for Cut-Off of HP Gas Main or Gas Service (Department to Furnish & Install Cut-Off Materials)	Each	75	\$250.00	21.00	\$5,250.00
25	2505.602	Excavation for Connecting HP Gas Service to Gas Main or Connecting New HP Gas Main to Existing Gas Main	Each	250	\$525.00	9.00	\$4,725.00
26	2505.602	Emergency Repair of Gas Line	Each	2	\$500.00	0.00	\$0.00
29	2505.603	Furnish & Install 6" PE Gas Main with Granular Encasement	Lin Ft	100	\$30.00	0.00	\$0.00
30	2505.603	Furnish & Install 6" PE Gas Main by Horizontal Directional Drill	Lin Ft	150	\$30.00	0.00	\$0.00
31	2505.603	Furnish & Install 4" PE Gas Main	Lin Ft	250	\$20.00	0.00	\$0.00
32	2505.603	Furnish & Install 4" PE Gas Main by Horizontal Directional Drill	Lin Ft	750	\$20.00	0.00	\$0.00
33	2505.603	Furnish & Install 3" PE Gas Main	Lin Ft	850	\$12.00	0.00	\$0.00
34	2505.603	Furnish & Install 3" PE Gas Main by Horizontal Directional Drill	Lin Ft	3,000	\$20.00	0.00	\$0.00
35	2505.603	Furnish & Install 2" PE Gas Main	Lin Ft	4,000	\$10.00	0.00	\$0.00
36	2505.603	Furnish & Install 2" PE Gas Main by Horizontal Directional Drill	Lin Ft	20,000	\$20.00	1280.00	\$25,600.00
37	2505.603	Furnish & Install 1" PE Gas Main	Lin Ft	300	\$14.00	0.00	\$0.00
38	2505.603	Furnish & Install 1" PE Gas Service	Lin Ft	1,500	\$10.00	169.00	\$1,690.00
39	2505.603	Furnish & Install 1" or 1/2" PE Gas Service by Horizontal Directional Drill	Lin Ft	14,000	\$15.36	0.00	\$0.00
40	2505.603	Furnish & Install 1/2" PE Gas Service	Lin Ft	1,000	\$10.00	156.00	\$1,560.00
	2505.603	Reset 400 CFH or smaller Gas regulator	Each	50	\$150.00	0.00	\$0.00
41	2505.603	Excess Flow Valves	Each	50	\$150.00	0.00	\$0.00
	2505.603	Furnish & Install 1/2" Riser & Meter Stop	Each	50	\$300.00	0.00	\$0.00
	2505.603	Furnish & Install 1" Riser & Stop Valve	Each	5	\$449.00	0.00	\$0.00
	2505.603	Furnish & Install 2" Riser & Stop Valve	Each	2	\$675.00	0.00	\$0.00
42	2360.502	Type SP 12.5 Wearing Course Mixture (3.C)	SY/IN	300	\$35.00	75.00	\$2,625.00
43	2521.501	4" Concrete Walk (Includes Removal and 4" C-5 Base)	SF	1,250	\$18.00	100.00	\$1,800.00
44	2521.501	Concrete Driveway, Alley Apron, or Street (Includes 8" CL-5 Base)	CY	30	\$300.00	40.69	\$12,207.00
45	2531.501	Concrete Curb and Gutter Design B624 (Includes Removal)	Lin Ft	400	\$40.00	40.00	\$1,600.00
46	2540.602	Bollards	Each	60	\$750.00	0.00	\$0.00

Subtotal    \$105,682.00



## Lower Michigan 16" Gas Main Replacement

LOWER MICHIGAN 16" GAS MAIN REPLACEMENT						ESTIMATE		BID	
LINE	NOTES	SPEC NO	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	ITEM TOTAL	Bid Price	Bid Total
1		2021.501	MOBILIZATION	EACH	1	30,000.00	30,000.00	95,000.00	95,000.00
2		2101.524	CLEARING AND GRUBBING	SQFT	550	0.50	275.00	3.00	1,650.00
3		2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LNFT	510	4.50	2,295.00	3.00	1,530.00
4		2104.503	REMOVE CURB & GUTTER	LNFT	31	6.00	186.00	15.00	465.00
5		2104.503	REMOVE GAS MAIN (PE)	LNFT	43	5.00	215.00	40.00	1,720.00
6		2104.503	REMOVE GAS MAIN (STEEL)	LNFT	42	50.00	2,100.00	70.00	2,940.00
7		2104.502	SALVAGE SIGN	EACH	1	400.00	400.00	70.00	70.00
8		2104.518	REMOVE CONCRETE WALK	SQFT	48	2.50	120.00	9.00	432.00
9		2104.504	REMOVE BITUMINOUS PAVEMENT	SQYD	415	4.00	1,660.00	8.50	3,527.50
10	1	2105.507	SELECT GRANULAR BORROW MOD 7% (CV) (P)	CY	135	35.00	4,725.00	60.00	8,100.00
11	2	2211.509	AGGREGATE BASE CLASS 5	CY	96	40.00	3,840.00	70.00	6,720.00
12		2301.602	DRILL & GROUT REINF BAR (EPOXY COATED)	EACH	12	32.00	384.00	20.00	240.00
13	3	2360.509	TYPE SP 9.5 WEARING COURSE MIX (3,C)	TON	38	120.00	4,560.00	150.00	5,700.00
14	3	2360.509	TYPE SP 12.5 WEARING COURSE MIX (3,C)	TON	50	120.00	6,000.00	150.00	7,500.00
15		2505.602	CONNECT TO GAS MAIN	EACH	3	2,400.00	7,200.00	8,000.00	24,000.00
16	4	2505.602	GAS MAIN CUTOFF	EACH	4	1,000.00	4,000.00	3,500.00	14,000.00
17		2505.602	6" STEEL VALVE AND VALVE BOX	EACH	1	3,000.00	3,000.00	5,000.00	5,000.00
18		2504.602	16" STEEL CASING PIPE END SEAL (SPECIAL)	EACH	2	500.00	1,000.00	3,500.00	7,000.00
19		2504.603	16" STEEL CASING PIPE	LNFT	20	180.00	3,600.00	500.00	10,000.00
20		2505.603	16" STEEL GAS MAIN	LNFT	1060	225.00	238,500.00	505.00	535,300.00
21	5	2505.603	12" HDPE GAS MAIN	LNFT	240	90.00	21,600.00	425.00	102,000.00
22		2505.603	6" PE GAS MAIN	LNFT	62	75.00	4,650.00	150.00	9,300.00
23		2521.518	4" CONCRETE WALK	SQFT	32	10.00	320.00	35.00	1,120.00
24		2521.518	6" CONCRETE WALK	SQFT	16	12.00	192.00	60.00	960.00
25		2531.503	CONCRETE CURB & GUTTER DESIGN B624	LNFT	31	36.00	1,116.00	80.00	2,480.00
26		2531.618	TRUNCATED DOMES	EACH	8	50.00	400.00	75.00	600.00
27		2563.601	TRAFFIC CONTROL	EACH	1	7,500.00	7,500.00	22,500.00	22,500.00
28		2564.502	INSTALL SIGN PANEL TYPE C	EACH	1	250.00	250.00	200.00	200.00
29		2573.503	SILT FENCE, TYPE HI	LNFT	240	5.00	1,200.00	7.00	1,680.00
30		2572.503	SEDIMENT CONTROL LOG TYPE STRAW	LNFT	700	5.00	3,500.00	8.50	5,950.00
31	6	2573.503	SEDIMENT CONTROL LOG TYPE ROCK	EACH	17	15.00	255.00	60.00	1,020.00
32		2573.502	STORM DRAIN INLET PROTECTION	EACH	12	400.00	4,800.00	250.00	3,000.00
33		2582.503	4" SOLID LINE MULTI COMP	LNFT	30	5.00	150.00	20.00	600.00
34		2582.503	4" DBLE SOLID LINE MULTI COMP	LNFT	21	10.00	210.00	120.00	2,520.00
35		2582.503	24" SOLID LINE MULTI COMP	LNFT	55	20.00	1,100.00	35.00	1,925.00

10% Contingency

\$34,540.00

\$0.00

**GRAND TOTAL:**

\$395,843.00

\$886,749.50

# Construction Services

S.P. 6982-322 (T.H. 35)  
MnDOT Agreement 1034938  
Amendment Number 2  
Exhibit "B2"

## COST ESTIMATE PROFESSIONAL ENGINEERING SERVICES

### CITY OF DULUTH - LOWER MICHIGAN STREET 16" GAS MAIN RELOCATION

MnDOT Agreement No. xxxxxxxxxx

Twin Ports Interchange Project in Duluth, MN (S.P. 6982-322)

July 15, 2019

BILLING RATE	138	125	113	100	75	70	58	125	HRS	
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#### CONSTRUCTION SERVICES

#### LABOR COSTS - CONSTRUCTION SERVICES

JOB TITLE	MGR1 /		ENG2	ENG1	TECH	CAD TECH	CLR	SURV	TOTAL HRS	TOTAL COST
	MGR2	ENG3								
<b>Construction of Transmission Main</b>										
PreConstruction Coord.		20			4				24	\$ 2,800
Staking		1			24				25	\$ 1,925
On-site Observation		40			600				640	\$ 50,000
Project Management		60							60	\$ 7,500
Finals Documentation		1			22				23	\$ 1,775
Record Drawings		4				24			28	\$ 2,180
<b>Construction of Service Relocations</b>										
On-site Observation		2	8		80				90	\$ 7,150
Project Management			8						8	\$ 900
Finals Documentation			1		4				5	\$ 413
Record Drawings			1			8			9	\$ 673
									0	\$ -
<b>TOTAL</b>	<b>0</b>	<b>128</b>	<b>18</b>	<b>0</b>	<b>734</b>	<b>32</b>	<b>0</b>	<b>0</b>	<b>912</b>	<b>\$ 75,315</b>

#### DIRECT COSTS - CONSTRUCTION SERVICES


	RATE	UNIT	# UNITS	TOTAL
Mileage	\$0.575	per mile	0	\$ -
Lodging	\$0	per day	0	\$ -
Meals	\$0	per day	0	\$ -
Computer Time	\$0	per hour	0	\$ -
CAD Computer	\$0	per hour	0	\$ -
Printing	\$0.06	per print	0	\$ -
Postage/fax	\$17	per project	0	\$ -
Staking Direct Costs	\$150	per day	4	\$ 600
Materials Testing - Subconsultant	\$7,000	per project	1	\$ 7,000
				\$ -
<b>TOTAL CONSTRUCTION DIRECT COSTS</b>				<b>\$ 7,600</b>

CONSTRUCTION SUMMARY		
LABOR	\$	75,315
DIRECT	\$	7,600
<b>TOTAL</b>	<b>\$</b>	<b>82,915</b>

<b>EXHIBIT TOTAL</b>
\$ 82,915



**Engineering**

 218-730-5200

Room 240  
411 West First Street  
Duluth, Minnesota 55802

June 19, 2020

Carroll Aasen  
MN/DOT Office of Land Management  
395 John Ireland Blvd. – MS 678  
St. Paul, MN 55155

Re: S.P. 6982-322 (T.H.35) – Twin Ports Interchange  
Lower Michigan Street Gas Main Relocation  
Revised Request – Amendment No. 2 for Agreement 1034938 – Dewatering Access Pit on RR side of I-35

Dear Mr. Aasen:

Our original gas main relocation Plan (as Bid) did not have provisions for dewatering based on record notes from the original gas main installation back in 2002. Upon excavating the access pit on the railroad side of I-35, shallow ground water has been observed and dewatering is now required (at an extra cost) to complete the gas main relocation work as planned.

A copy of the unit price cost proposal from the prime contractor (UPI) and their subcontractor (Northland)

Please prepare the Amendment and forward to me for signatures here at the City.

Please contact me at 218-730-5104 or by email at [tpfeffer@duluthmn.gov](mailto:tpfeffer@duluthmn.gov) to answer your questions.

Sincerely,

Tom Pfeffer  
Senior Engineer

Cc: Roberta Dwyer, MNDOT District 1  
John Krysiak, MNDOT District 1  
Eric Shaffer, Chief Engineer of Utilities  
Howard Smith, Project Manager, City of Duluth  
Project File 1822

[www.duluthmn.gov](http://www.duluthmn.gov)

The City of Duluth is an Equal Opportunity Employer.



4510 Airport Road  
Duluth, MN 55811  
Phone 218.727.7676  
www.unitedpiping.us

Howard Smith, PE  
Senior Engineer  
City of Duluth

June 18, 2020

Re: Proposal for City of Duluth Lower Michigan St Gas Relocation Project  
Change Order Dewatering

Mr. Smith,

United Piping Inc. is pleased to offer the unit price change order proposal estimate for your consideration for the above project. In addition to the attached we offer the following clarifications for your consideration and as a part of our proposal.

Mobilization/Demobilization (Lump Sum) = \$ 1,650 x 1.0 qnty  
Dewatering System Setup / Removal (Lump Sum) = \$10,422.50 x 1.0 qnty  
6" Pump Operation (Hourly) = \$16.5 x 480 hours  
6" Pump Stand-bye (Hourly)= \$5.50 x240 hours  
Fuel for 6" Pump (Gallons) = \$3.3 x 1000 gallons  
Crushed Rock (<6") (cubic yard or ton) = \$35.20 x 40 ton  
BNSF Flaggers (day) = \$ 1320 x 2 days  
UPI Dewatering Crew - Pump Operator (hourly) = \$ 65 x 50 hrs  
UPI Hydrovac Truck = \$3500.00 x 1 day

Total = \$35,410.5

- Our estimate is based on a 10-hour day, 5 days a week.
- UPI has the capacity and resources to begin this work as requested.
- UPI has included two days of additional BNSF flaggers to string hoses under the BN tracks.
- UPI has included an operator, supervision, and pick-up for the duration of the dewatering.
- Please see the attached Northland quote for details pertaining to it's scope.

We thank you for the opportunity to provide this proposal and look forward to hearing from you. If you should have any questions or require additional information, please feel free to contact myself.

Regards,

A handwritten signature in black ink, appearing to read 'Nate Grayson', with a long horizontal flourish extending to the right.

Nate Grayson, PE  
United Piping, Inc.

Integrity · Respect · Caring



Date: June 16, 2020

Proposal to: UPI

Attn: Nate Grayson

RE: Proposal for Dewatering Boring Pit

Patrick,

Northland Constructors proposes to complete the dewatering of the boring pit on the south side of HWY 35 for the following unit prices:

**Scope of work Included:**

- |   |            |
|---|------------|
| • Mob/Demob of crews and equipment                        | \$1,500/LS |
| • Setup and takedown of dewatering system                 | \$9,475/LS |
| • Rock Bedding 40 CY x \$32/CY                            | \$1,280    |
| • 6" Pump Rental 2 Ea x 24 Hr x 10 Day = 480 Hr x \$15/Hr | \$7,200    |
| • 6" Pump (Stand bye) 24 Hr x 10 Day = 240 Hr x \$5/Hr    | \$1,200    |
| • Pump Fueling 2 EA x 50Gal/Day x 10 = 1000 Gal x \$3/Gal | \$3,000    |

**Exclusions:**

- Testing
- Dewatering permit if needed
- Well monitoring
- Water treatment or hauling

We appreciate the opportunity to bid this work for you. Please call if there are any questions, (218) 625-2286.

Sincerely,

A handwritten signature in black ink, appearing to read "Lance Lindahl", is written over the word "Sincerely,".

Lance Lindahl  
Northland Constructors of Duluth, LLC

4843 Rice Lake Road, Duluth, MN 55803

Lower Michigan Gas Main Relocation			checked by	TMP
SP 6982-322 (TH35) / Agreement No. 1034938 - Amendment No.2				
City of Duluth Project No. 1822				
Item Description	Unit	Est. Qty.	Unit Price	Est. Cost
Mobilization/Demobilization	Lump Sum	1.00	\$ 1,650.00	\$ 1,650.00
Dewatering System Setup / Removal	Lump Sum	1.00	\$ 10,422.50	\$ 10,422.50
6" Pump Operation	Hours	480	\$ 16.50	\$ 7,920.00
6" Pump Stand-bye	Hours	240	\$ 5.50	\$ 1,320.00
Fuel for 6" Pump	Gallons	1000	\$ 3.30	\$ 3,300.00
Crushed Rock (6" minus)	Ton	40	\$ 35.20	\$ 1,408.00
BNSF Flaggers	Day	2	\$ 1,320.00	\$ 2,640.00
UPI Dewatering Crew Operator	Hours	50	\$ 65.00	\$ 3,250.00
UPI Hydrovac Truck	Day	1	\$ 3,500.00	\$ 3,500.00
			Estimated Total =	\$ 35,410.50

S.P. 6982-322 T.P.I. Agreement 1034938 Cost Summary			
DESCRIPTION	Cost Amd #1	TOTAL COST	Cost Difference
1810 Gas Blanket Project	\$105,682.00	\$105,682.00	
Lower Michigan 16" Gas Main Replacement	\$886,749.50	(1) \$922,160.00	(2) \$35,410.50
Construction Services	\$82,915.00	\$82,915.00	
GRAND TOTAL	\$1,075,346.50	(1) \$1,110,757.00	(2) \$35,410.50

(1) Includes Cost Increase

(2) Cost Increase Amd #2

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