

**AGREEMENT**  
**Gas Facilities Relocation**  
**In the vicinity of Rock Creek Road from Flood (US 77) to Trailwood Drive**  
**City of Norman Project No. STP-114B(196)AG**  
**State Job piece 24281(04)**  
**City of Norman**  
**Cleveland County**

Oklahoma Natural Gas Company, a Division of OneGas, Inc., hereinafter called "Company," owns 4-inch, and 2-inch medium-pressure natural gas pipelines within the construction limits of the referenced project in the City of Norman, Cleveland County, Oklahoma, which Company utilizes in the discharge of its duties as a public service corporation.

City of Norman, Oklahoma, a municipal corporation, hereinafter called "City," has requested Company to relocate these facilities to accommodate the proposed construction of City of Norman Project No. STP-114B(196)AG, State Job Piece No. 24281(04), as shown on plans therefore and initially received by Company on 6/5/17. City agrees to reimburse Company in the extent and manner hereinafter stated for that portion of the cost of relocating said facilities, which is for the benefit of the City.

Company proposes to perform the necessary relocation of its facilities in substantial accordance with the one plan sheet and the 7-page cost estimate, both dated July 3, 2017 of which three copies each are attached. Company will bear the cost of relocating the portions of the facilities which do not occupy private rights-of-way. The City's share of the estimated cost of the necessary relocation will be \$71,979 all of which is to be reimbursed to Company by City.

City by accepting the proposal agrees that City shall reimburse Company for its share (42.50%) of the total actual relocation costs, said cost being arrived at in the same manner as used in Company's estimated cost of the project attached hereto.

Such Relocation costs will be based upon, but not necessarily limited to, material suppliers', work contractors', and equipment-rental invoices; and at then-current rates and prices, Company's transfer and stores expense record; expense statements; and standard allocated overhead charges. Company's award of and payment for contracted work will be based upon competitive bids or continuing contract, whichever appears to the Company will be most practical and economical.

It is further understood, and City by accepting this proposal agrees, that City will reimburse the Company in accordance with this agreement within thirty (30) days after the said relocation work has been completed and Company's statement for City's costs thereof has been submitted. Company agrees that in the event Company should determine prior to commencement of construction that the revised estimated amount of the reimbursement by the City may exceed the estimated cost as stated herein, Company shall notify the City of such determination in writing. City shall have the right to terminate this agreement within ten (10) days of receipt of such said written notice. If City elects to so terminate, City shall pay Company the City's share of any engineering cost incurred to date of termination. If the City does not terminate the agreement within the ten (10) days, it shall remain in full force and effect.

The Company by agreeing to or by abandoning, relocating, or modifying any of its facilities pursuant to this agreement shall not thereby be deemed to have abandoned, modified, released, or otherwise destroyed any of its rights existing at the time of the execution of this agreement under valid and subsisting private right-of-way easements granted to, obtained by or through condemnation, or otherwise vested in the Company unless the Company shall have released same by written instrument.

Further, should the Company in the course of relocating the above-described facilities relocate any of such facilities presently located on private right-of-way onto public right-of-way, the Company shall be deemed in respect to such facilities to have retained sufficient easement and other rights such that if said facilities are encompassed within any future governmental project requiring relocation, adjustment, or abandonment of such facilities, that the Company shall be entitled to reimbursement for the cost of such relocation, adjustment, or abandonment from the governmental agency requiring the same; provided, however, this provision shall not be construed as requiring reimbursement by the City of Norman except when such relocation, adjustment, or abandonment is required for a project of the City of Norman.

Any changes made by the City in this proposal as submitted by the Company shall be subject to the written acceptance thereof by the Company before there is any binding contract between parties.

City by accepting this proposal warrants that it now has or will have unencumbered funds available with which to pay the relocation costs to the extent herein above provided.

If this proposal is not accepted by the City within one (1) year from the date of this letter, this proposal shall automatically terminate and thereafter shall not be subject to acceptance by the City unless the proposal is reinstated by Company.

Company respectfully requests that the City of Norman agree to the terms of this proposal by signing in the space provided below and returning one executed copy to us.

*SMB*  
*11-7-17*

ATTEST:

Oklahoma Natural Gas Company, A  
Division of OneGas, Inc.

  
Secretary

By:   
Kent Shortridge Vice President Operating ONG

Dated: \_\_\_\_\_

APPROVED AND ADOPTED by the City Council of the City of Norman this \_\_\_\_\_ day of

\_\_\_\_\_, 2017.

ATTEST:

CITY OF NORMAN  
A MUNICIPAL CORPORATION

\_\_\_\_\_  
City Clerk

\_\_\_\_\_  
Mayor

APPROVED as to form and legality

\_\_\_\_\_  
Municipal Counselor

ONG Estimate NO. 2016003736

OKLAHOMA NATURAL GAS COMPANY  
 ESTIMATED RELOCATION COST  
 RELOCATION OF FOUR-INCH MED-PRESSURE PIPELINE  
 CITY OF NORMAN  
 Rock Creek Road, FEDERAL PROJECT NO. STP-114B(196)AG, J/P 24281 (04)  
 CLEVELAND COUNTY  
 ESTIMATE NO. 2016003736

**K-1718-93**

**PROJECT COST SUMMARY**

<u>DESCRIPTION</u>	<u>PAGE NO</u>	<u>NORMAN SHARE</u>	<u>COMPANY SHARE</u>	<u>TOTAL COST</u>
2. RELOCATE 180' OF 2" POLY MAIN CROSSING 12th Ave NW STA. 19+12 to STA. 18+72	2	\$0	\$56,554	\$56,554
3. RELOCATE 560' OF 4" STEEL MAIN PARALLELING 12TH AVE. AND ROCK CREEK	3	\$66,657	\$0	\$66,657
4. RELOCATE 125' OF 2" STEEL MAIN CROSSING STA. 21+90	4	<u>\$1,517</u>	\$12,024	\$13,541
5. RELOCATE 120' OF 4" STEEL MAIN CROSSING STA. 30+40	5	\$1,766	\$13,365	\$15,131
6. RELOCATE 125' OF 2" STEEL MAIN CROSSING STA. 33+10	6	<u>\$2,039</u>	\$15,432	\$17,471
<b>TOTALS</b>		<u>\$71,979</u>	<u>\$97,375</u>	<u>\$169,354</u>
RELOCATE 135' OF 2" POLY SERVICE CROSSING STA. 18+60 (Not billed to the City of Norman)	11	\$4,779		

**COMPOSITE PERCENTAGE FOR PROJECT**

<b>NORMAN SHARE:</b>	=	<b>42.50%</b>	=	<b>\$71,979</b>
<b>OKLAHOMA NATURAL GAS SHARE</b>	=	<b>57.50%</b>	=	<b>\$97,375</b>

OKLAHOMA NATURAL GAS COMPANY  
ESTIMATED RELOCATION COST  
RELOCATION OF FOUR-INCH MED-PRESSURE PIPELINE  
CITY OF NORMAN

K-1718-93

Rock Creek Road, FEDERAL PROJECT NO. STP-114B(196)AG, J/P 24281 (04)  
CLEVELAND COUNTY  
ESTIMATE NO. 2016003736

RELOCATE 180' OF 2" POLY MAIN CROSSING  
12th Ave NW STA. 19+12 to STA. 18+72

Point 1 - 2

(REPLACEMENT OF LIKE SIZE AND KIND FOR COMPARISON ONLY)

**MATERIAL TO BE ABANDONED:**

PIPE-PE2406/PE2708, 2" IPS, .216" WALL, SDR11, COIL- 500', LB/FT 0.63, ASTM D2513

**QUANTITY UNIT**  
220 FT

**MATERIAL TO BE INSTALLED:**

PIPE, HDPE, 4.00 IN IPS, DR 11, 500 FT COIL, 0.409 IN WALL, UNI OR BIMODAL, NO RE  
WIRE-TRACER, FOR BORING, SOLID COPPER, #10 AWG PER ASTM B-1, INSULAT  
MARKER BALL, 4 IN DIA, PASSIVE TUNED, SELF LEVELING, ANTENNA MOLDED IN F  
ANODE-CAST, MAGNESIUM, PACKAGED 5 LB, 10 FT LEAD, H-1 ALLOY, .05 COPPE  
MARKER SIGN, 3 IN W X 18 IN H, REFLECTIVE DECAL, ONG, WARNING NATURAL G  
CAP, 2 IN IPS, MDPE, BUTT FUSION, 100 PSIG, ASTM D2513  
CAP, 4.00 IN IPS, MDPE, BUTT FUSION, 100 PSIG, ASTM D2513  
COUPLING, 4 IN IPS, HDPE, ELECTROFUSION, 100 PSIG, BLACK, ASTM D2513  
ELBOW, 4.00 IN IPS, MDPE, BUTT FUSION, 90 DEG, DR11, 100 PSIG, ASTM D2513  
TEE, 4 IN IPS, MDPE, BUTT FUSION, DR11, DIMENSIONS 3.0X6.75X13.50 IN, 100 PSIG,  
TEE, 4.00 IN IPS X 2.00 IN IPS, TAPPING, HIGH VOLUME, MDPE, BUTT FUSION, DR 11  
VALVE, BALL, 4 IN IPS, MDPE, BUTT FUSION, 100 PSIG, DR 11, FULL PORT, ASTM D2513  
CAP - DEBRIS, POLY MATERIAL FOR INSTALLATION WITH UNDERGROUND VALV  
VALVE, BOX, CONCRETE RING, FOR STABILIZING  
VALVE, BOX, 4 IN, ABS POLY, SCREW TYPE, ADJ HEIGHT 41 IN TO 54 IN, CAST IRON

**QUANTITY UNIT****UNIT COST****TOTAL****ESTIMATED MATERIAL COST**

Concrete repairs

Purchased Miscellaneous Material

**TOTAL MATERIAL COST**

QUANTITY	UNIT	UNIT COST	TOTAL
400	FT	2.53	\$1,012.00
400	FT	0.14	\$56.00
2	EA	8.30	\$16.60
1	EA	17.26	\$17.26
2	EA	9.95	\$19.90
2	EA	2.00	\$4.00
1	EA	4.30	\$4.30
2	EA	11.11	\$22.22
2	EA	7.40	\$14.80
1	EA	8.50	\$8.50
1	EA	44.19	\$44.19
1	EA	177.94	\$177.94
1	EA	10.25	\$10.25
1	EA	32.06	\$32.06
1	EA	55.19	\$55.19

\$1,495.00

1	EA	\$725.00	\$725.00
1	LOT	75.00	\$75.00

**\$2,295.00****INSTALLATION COST:**

STORES EXPENSE

CONTRACT LABOR

COMPANY LABOR

OTHER COMP. LABOR:

TOTAL COMPANY LABOR

INDIRECT LABOR, PAYROLL INSURANCE AND TAXES

AUTOMOTIVE AND EQUIPMENT EXPENSE

ESTIMATED COST FOR ABANDONMENT

RIGHT OF WAY / SURVEY

OMISSIONS AND CONTINGENCIES

ADMINISTRATIVE AND GENERAL EXPENSE

**SUBTOTAL COST****ESTIMATED MATERIAL COST (FROM ABOVE)****TOTAL ESTIMATED REINSTALLATION COST****FINANCIAL RESPONSIBILITY:****NORMAN SHARE:**

0' Within Private R/W

=

0.00%

**\$0**

220' Within Total Required R/W

**OKLAHOMA NATURAL GAS SHARE:**

220' Within Public R/W

=

100.00%

**\$56,554**

220' Within Total Required R/W

OKLAHOMA NATURAL GAS COMPANY  
ESTIMATED RELOCATION COST  
RELOCATION OF FOUR-INCH MED-PRESSURE PIPELINE  
CITY OF NORMAN

K-1718-93

Rock Creek Road, FEDERAL PROJECT NO. STP-114B(196)AG, J/P 24281 (04)  
CLEVELAND COUNTY  
ESTIMATE NO. 2016003736

RELOCATE 560' OF 4" STEEL MAIN  
PARALLELING 12TH AVE. AND ROCK CREEK

Point 3 - 4

(REPLACEMENT OF LIKE SIZE AND KIND FOR COMPARISON ONLY)

**MATERIAL TO BE ABANDONED:**

PIPE-STEEL, LINE, 4.50" [4 1/2"] OD .156 WALL, 7.24#/FT. API-5L, X-42, ERW, BEV, I

**QUANTITY UNIT**  
680 FT

**MATERIAL TO BE INSTALLED:**

PIPE, MDPE, 4 IN IPS, DR 11.5, 600 FT COIL, 0.391 IN WALL, UNI OR BIMODAL, 76 PSIG  
WIRE, SOLID, 12 GA, TRACER, COPPER, YELLOW, 30 MIL INSULATION, 500 FT, REC  
TEST STATION, 2.50 IN X 18 IN, LID, CAST IRON, 2 TERMINALS  
ANODE, 17 LB D3, CAST, MAGNESIUM, HIGH POT, PACKED W 10 FT .05 LEAD  
ANODE-CAST, MAGNESIUM, PACKAGED 5 LB, 10 FT LEAD, H-1 ALLOY, .05 COPPE  
PAVEMENT MARKER, 2.50 IN DIA, REFLECTIVE, ONG, NATURAL GAS PIPELINE, Y  
ADHESIVE, 11 OZ TUBE, PAVEMENT, INCLUDES INSTRUCTIONS  
CAP, 4 IN, STEEL, WE, STD WT, SMLS, A234 WPB  
ELBOW, 4 IN IPS, MDPE, BUTT FUSION, 90 DEG, DR11, 100 PSIG, ASTM D2513  
TEST STATION, 1 IN X 6 FT TALL, STATION, 2 TERMINALS, FINKLET, YELLOW, CC  
FITTING, TRANSITION, 4 IN X 4 IN IPS, ST X PE, WE X FUS, 0.391 IN WT, DR 11.5, MD, 1  
ELBOW, 4 IN IPS, MDPE, BUTT, 45 DEG, DR 11, 80 PSIG, ASTM D2513  
TEE, 4 IN, 3 WAY, STEEL, WE, TYPE IIA, SCFD, FLANGED  
COATING WRAP, 4 IN X 9 FT ROLL, MICROCRYS WAX, ABOVE AND BELOW GROUND  
PRIMER, TEMCOAT 3000, MICROCRYS WAX, ABOVE AND BELOW GROUND, BROWN

**QUANTITY UNIT****UNIT COST****TOTAL****ESTIMATED MATERIAL COST**

Concrete repairs

Purchased Miscellaneous Material

**TOTAL MATERIAL COST**

680 FT

680 FT

680 FT

1 EA

2 EA

1 EA

4 EA

1 EA

2 EA

3 EA

1 EA

2 EA

2 EA

2 EA

4 EA

1 EA

1 EA

1 EA

1 EA

1 LOT

2.04

0.10

13.48

49.07

17.26

7.52

10.65

14.19

7.40

14.75

31.93

7.00

459.13

11.77

37.27

\$1,520.00

75.00

\$1,387.20

\$68.00

\$13.48

\$98.14

\$17.26

\$30.08

\$10.65

\$28.38

\$22.20

\$14.75

\$63.86

\$14.00

\$918.26

\$47.08

\$37.27

\$2,771.00

\$1,520.00

\$75.00

**\$4,366.00****INSTALLATION COST:**

STORES EXPENSE

CONTRACT LABOR

COMPANY LABOR

OTHER COMP. LABOR:

TOTAL COMPANY LABOR

INDIRECT LABOR, PAYROLL INSURANCE AND TAXES

AUTOMOTIVE AND EQUIPMENT EXPENSE

**ESTIMATED COST FOR ABANDONMENT**

RIGHT OF WAY / SURVEY

OMISSIONS AND CONTINGENCIES

ADMINISTRATIVE AND GENERAL EXPENSE

**SUBTOTAL COST****ESTIMATED MATERIAL COST (FROM ABOVE)****TOTAL ESTIMATED REINSTALLATION COST****FINANCIAL RESPONSIBILITY:****NORMAN SHARE:**

560' Within Private R/W

560' Within Total Required R/W

=

100.00%

**\$66,657****OKLAHOMA NATURAL GAS SHARE:**

0' Within Public R/W

560' Within Total Required R/W

=

0.00%

**\$0**

OKLAHOMA NATURAL GAS COMPANY  
ESTIMATED RELOCATION COST  
RELOCATION OF FOUR-INCH MED-PRESSURE PIPELINE  
CITY OF NORMAN  
Rock Creek Road, FEDERAL PROJECT NO. STP-114B(196)AG, J/P 24281 (04)  
CLEVELAND COUNTY  
ESTIMATE NO. 2016003736

K-1718-93

RELOCATE 125' OF 2" STEEL MAIN CROSSING  
STA. 21+90

Point 5 - 6

**MATERIAL TO BE ABANDONED:**

PIPE,STEEL,2.375 IN OD,0.154 IN WT,X42,ERW,FBE 14-16 MILS,DRL,API 5L,3.66 LB

**QUANTITY UNIT**  
125 FT

**MATERIAL TO BE INSTALLED:**

PIPE,HDPE,2 IN IPS,DR11,500 FT COIL,0.216 IN WALL,BIMODAL,100 PSIG,NO REG  
VALVE,GATE,2 IN,ST,FERF,FULL OPENING,ANSI 150,275 PSIG,SQUARE OPERATI  
FITTING, TRANSITION, 2 IN X 2 IN IPS, W TRACER, ST X PE, WE X FUS, 0.216 IN W  
VALVE,BOX,5.25 IN,ABS POLY,SCREW TYPE,ADJ HEIGHT 41 IN TO 54 IN,CAST IRC  
PAVEMENT MARKER, 2.50 IN DIA, REFLECTIVE, ONG, NATURAL GAS PIPELINE, YI  
ANODE,17 LB D3,CAST,MAGNESIUM,HIGH POT,PACKED W 10 FT .05 LEAD  
ANODE,5 LB,CAST,H1 MAGNESIUM ALLOY,PACKED W 10 FT, 0.05 CU LEAD  
ELBOW,2 IN,MDPE,BUTT FUSION,90 DEG,100 PSIG,ASTM D2513  
COUPLING,1.25 IN IPS,PE,ELECTRO FUSION,HD,100 PSIG,BLACK,ASTM D2513  
REDUCER,2 IN IPS X 1.25 IN IPS,PE,BUTT,DR 10,MD,80 PSIG,ASTM D2513  
COATING WRAP,4 IN X 9 FT ROLL,MICROCRYS WAX,ABOVE AND BELOW GROUND  
FITTING,STOPPLE,2 IN,STEEL,WE,SHORTSTOPP,285 PSIG,ASTM A106,COMPLETI  
CAP,2 IN,STEEL,WE,STD WT,SMLS,A234 WPB  
TEE-TAPPING, ELECTROFUSION, 1.25" IPS X .75" IPS [1 1/4" IPS X 3/4" IPS], SF, MC  
CAP,0.75 IN IPS, PE, SOCKET FUSION, MD, 100 PSIG, ASTM D2513

**QUANTITY UNIT**

125 FT

**UNIT COST**

**TOTAL**

125 FT	0.71	\$88.75
125 FT	0.14	\$17.50
1 EA	132.29	\$132.29
1 EA	4.50	\$4.50
2 EA	10.82	\$21.64
2 EA	3.09	\$6.18
1 EA	402.19	\$402.19
1 EA	12.99	\$12.99
1 EA	54.91	\$54.91
3 EA	7.52	\$22.56
1 EA	49.07	\$49.07
1 EA	17.26	\$17.26
3 EA	2.35	\$7.05
1 EA	6.63	\$6.63
1 EA	3.30	\$3.30
4 EA	11.77	\$47.08
1 EA	52.86	\$52.86
1 EA	9.29	\$9.29
2 EA	9.46	\$18.92
2 EA	0.57	\$1.14

**ESTIMATED MATERIAL COST**

\$976.00

Concrete repairs

1 EA

\$725.00

\$725.00

Purchased Miscellaneous Material

1 LOT

75.00

\$75.00

**TOTAL MATERIAL COST**

**\$1,776.00**

**INSTALLATION COST:**

STORES EXPENSE  
CONTRACT LABOR  
COMPANY LABOR  
OTHER COMP. LABOR: Concrete repairs  
TOTAL COMPANY LABOR  
INDIRECT LABOR, PAYROLL INSURANCE AND TAXES  
AUTOMOTIVE AND EQUIPMENT EXPENSE  
ESTIMATED COST FOR ABANDONMENT  
RIGHT OF WAY / SURVEY  
OMISSIONS AND CONTINGENCIES  
ADMINISTRATIVE AND GENERAL EXPENSE

	217
	4,090
	766
	0
	766
	327
	255
	1022
	0
	1,691
	3,397

**SUBTOTAL COST**

**\$11,765**

**ESTIMATED MATERIAL COST (FROM ABOVE)**

1,776

**TOTAL ESTIMATED REINSTALLATION COST**

**\$13,541**

**FINANCIAL RESPONSIBILITY:**

**NORMAN SHARE:**

14' Within Private R/W  
125' Within Total Required R/W

=

**11.20%**

**\$1,517**

**OKLAHOMA NATURAL GAS SHARE:**

111' Within Public R/W  
125' Within Total Required R/W

=

**88.80%**

**\$12,024**

OKLAHOMA NATURAL GAS COMPANY  
ESTIMATED RELOCATION COST  
RELOCATION OF FOUR-INCH MED-PRESSURE PIPELINE  
CITY OF NORMAN  
Rock Creek Road, FEDERAL PROJECT NO. STP-114B(196)AG, J/P 24281 (04)  
CLEVELAND COUNTY  
ESTIMATE NO. 2016003736

K-1718-93

RELOCATE 120' OF 4" STEEL MAIN CROSSING  
STA. 30+40

Point 7 - 8

**MATERIAL TO BE ABANDONED:**

PIPE,STEEL,4.50 IN OD,0.188 IN WT,X42,ERW,FBE 14-16 MILS,DRL,API 5L,8.67 LBS

**QUANTITY UNIT**  
120 FT

**MATERIAL TO BE INSTALLED:**

PIPE,MDPE,4 IN IPS,DR 11.5,40 FT STICKS,0.395 IN WALL,UNI OR BIMODAL,NO RE  
WIRE-TRACER, FOR BORING, SOLID COPPER, #10 AWG PER ASTM B-1, INSULATI  
TEST STATION, 1 IN X 6 FT TALL, STATION, 2 TERMINALS, FINKLET, YELLOW, COT  
FITTING,TRANSITION,4 IN X 4 IN IPS,ST X PE,WE X FUS,0.391 IN WT,DR 11.5,MD,12  
MARKER POST, 84 IN TALL, STEEL U CHANNEL  
MARKER SIGN,14 IN W X 12 IN H,REFLECTIVE ALUM,ONG,WARNING NATURAL GA  
ANODE,17 LB D3,CAST,MAGNESIUM,HIGH POT,PACKED W 10 FT .05 LEAD  
ANODE,5 LB,CAST,H1 MAGNESIUM ALLOY,PACKED W 10 FT, 0.05 CU LEAD  
ELBOW,4 IN IPS,MDPE,BUTT FUSION,90 DEG,DR11,100 PSIG,ASTM D2513  
COATING WRAP,4 IN X 9 FT ROLL,MICROCRYS WAX,ABOVE AND BELOW GROUND  
TEE,4 IN,3 WAY,STEEL,WE,TYPE IIA,SCFD, FLANGED  
CAP,4 IN,STEEL,WE,STD WT,SMLS,A234 WPB

**QUANTITY UNIT**  
120 FT  
120 FT  
1 EA  
2 EA  
1 EA  
2 EA  
1 EA  
1 EA  
4 EA  
4 EA  
2 EA  
2 EA

**UNIT COST**  
2.21  
0.14  
14.75  
31.93  
8.00  
4.49  
49.07  
17.26  
7.40  
11.77  
459.13  
14.19

**TOTAL**  
\$265.20  
\$16.80  
\$14.75  
\$63.86  
\$8.00  
\$8.98  
\$49.07  
\$17.26  
\$29.60  
\$47.08  
\$918.26  
\$28.38

**ESTIMATED MATERIAL COST**

\$1,467.00

Purchased Miscellaneous Material  
**TOTAL MATERIAL COST**

1 LOT

75.00

\$75.00

**\$1,542.00****INSTALLATION COST:**

STORES EXPENSE  
CONTRACT LABOR  
COMPANY LABOR  
OTHER COMP. LABOR:  
TOTAL COMPANY LABOR  
INDIRECT LABOR, PAYROLL INSURANCE AND TAXES  
AUTOMOTIVE AND EQUIPMENT EXPENSE  
**ESTIMATED COST FOR ABANDONMENT**  
RIGHT OF WAY / SURVEY  
OMISSIONS AND CONTINGENCIES  
ADMINISTRATIVE AND GENERAL EXPENSE

326  
4,798  
898  
0  
898  
384  
299  
1199  
0  
1,889  
3,796

**SUBTOTAL COST****\$13,589****ESTIMATED MATERIAL COST (FROM ABOVE)**

1,542

**TOTAL ESTIMATED REINSTALLATION COST****\$15,131****FINANCIAL RESPONSIBILITY:****NORMAN SHARE:**

14' Within Private R/W  
120' Within Total Required R/W

=

11.67%

**\$1,766****OKLAHOMA NATURAL GAS SHARE:**

106' Within Public R/W  
120' Within Total Required R/W

=

88.33%

**\$13,365**

OKLAHOMA NATURAL GAS COMPANY  
ESTIMATED RELOCATION COST  
RELOCATION OF FOUR-INCH MED-PRESSURE PIPELINE  
CITY OF NORMAN  
Rock Creek Road, FEDERAL PROJECT NO. STP-114B(196)AG, J/P 24281 (04)  
CLEVELAND COUNTY  
ESTIMATE NO. 2016003736

K-1718-93

RELOCATE 125' OF 2" STEEL MAIN CROSSING  
STA. 33+10

Point 9 - 10

**MATERIAL TO BE ABANDONED:**

PIPE, HDPE, 2 IN IPS, DR11,500 FT COIL, 0.216 IN WALL, BIMODAL, 100 PSIG, NO REGF

**QUANTITY UNIT**  
120 FT

**MATERIAL TO BE INSTALLED:**

PIPE, HDPE, 2 IN IPS, DR11,500 FT COIL, 0.216 IN WALL, BIMODAL, 100 PSIG, NO REGF  
WIRE-TRACER, FOR BORING, SOLID COPPER, #10 AWG PER ASTM B-1, INSULATED  
SADDLE, 4 IN X 2 IN, STEEL, WE, GR B, SEAMLESS  
NIPPLE, 2 IN X 6 IN, TOE, STEEL, THRD X WE, XHVV, 2125 PSIG, BLACK, ASTM A73  
FLANGE, 2 IN, STEEL, WERF, ANSI 150, 285 PSIG, ASTM A694  
GASKET-TYPE F (RING TYPE), 2" X .125" [1/8"] THICK, ANSI 150, 285 PSI WP  
VALVE, GATE, 2 IN, ST, FERF, FULL OPENING, ANSI 150, 275 PSIG, SQUARE OPERATING  
FITTING, TRANSITION, 2 IN X 2 IN IPS, W TRACER, ST X PE, WE X FUS, 0.216 IN W/1  
VALVE, BOX, 5.25 IN, ABS POLY, SCREW TYPE, ADJ HEIGHT 41 IN TO 54 IN, CAST IRO  
PAVEMENT MARKER, 2.50 IN DIA, REFLECTIVE, ONG, NATURAL GAS PIPELINE, YE  
ANODE, 17 LB D3, CAST, MAGNESIUM, HIGH POT, PACKED W 10 FT .05 LEAD  
ANODE, 5 LB, CAST, H1 MAGNESIUM ALLOY, PACKED W 10 FT, 0.05 CU LEAD  
ELBOW, 2 IN, MDPE, BUTT FUSION, 90 DEG, 100 PSIG, ASTM D2513  
COATING WRAP, 4 IN X 9 FT ROLL, MICROCRYS WAX, ABOVE AND BELOW GROUND  
PIPE, MDPE, 0.75 IN IPS, DR 11,500 FT COIL, 0.095 IN WALL, UNIMODAL, 80 PSIG, NO R  
CAP, 2 IN IPS, MDPE, BUTT FUSION, 100 PSIG, ASTM D2513  
TEE, 2 IN IPS X 0.75 IN IPS, TAP, MDPE, BUTT, 0.80 IN CUTTER, 100 PSIG, ASTM D2513  
CAP, 0.75 IN IPS, PE, SOCKET FUSION, MD, 100 PSIG, ASTM D2513

**QUANTITY UNIT**

**UNIT COST****TOTAL**

120 FT	0.71	\$85.20
120 FT	0.14	\$16.80
1 EA	132.29	\$132.29
1 EA	4.50	\$4.50
2 EA	10.82	\$21.64
2 EA	3.09	\$6.18
1 EA	402.19	\$402.19
1 EA	12.99	\$12.99
1 EA	54.91	\$54.91
3 EA	7.52	\$22.56
1 EA	49.07	\$49.07
1 EA	17.26	\$17.26
3 EA	2.35	\$7.05
4 EA	11.77	\$47.08
120 FT	0.20	\$24.00
2 EA	2.00	\$4.00
2 EA	4.71	\$9.42
2 EA	0.57	\$1.14

**ESTIMATED MATERIAL COST**

\$918.00

Concrete repairs

1 EA

\$3,250.00

\$3,250.00

Purchased Miscellaneous Material

1 LOT

75.00

\$75.00

**TOTAL MATERIAL COST****\$4,243.00****INSTALLATION COST:**

STORES EXPENSE  
CONTRACT LABOR  
COMPANY LABOR  
OTHER COMP. LABOR:  
TOTAL COMPANY LABOR  
INDIRECT LABOR, PAYROLL INSURANCE AND TAXES  
AUTOMOTIVE AND EQUIPMENT EXPENSE  
**ESTIMATED COST FOR ABANDONMENT**  
RIGHT OF WAY / SURVEY  
OMISSIONS AND CONTINGENCIES  
ADMINISTRATIVE AND GENERAL EXPENSE

204
4,090
766
0
766
327
255
1022
0
2,181
4,383

**SUBTOTAL COST****\$13,228****ESTIMATED MATERIAL COST (FROM ABOVE)**

4,243

**TOTAL ESTIMATED REINSTALLATION COST****\$17,471****FINANCIAL RESPONSIBILITY:****NORMAN SHARE:**

14' Within Private R/W  
120' Within Total Required R/W

=

11.67%

**\$2,039****OKLAHOMA NATURAL GAS SHARE:**

106' Within Public R/W  
120' Within Total Required R/W

=

88.33%

**\$15,432**



OKLAHOMA NATURAL GAS COMPANY  
 ESTIMATED RELOCATION COST  
 RELOCATION OF EIGHT-INCH MED-PRESSURE PIPELINE  
 CITY OF NORMAN  
 24TH AVENUE EAST, FEDERAL PROJECT NO. STP-XXX(070)UR, J/P XXXXX (04)  
 CLEVELAND COUNTY  
 ESTIMATE NO. 2016000941

RELOCATE 135' OF 2" POLY SERVICE CROSSING  
 STA. 18+60

(REPLACEMENT OF LIKE SIZE AND KIND FOR COMPARISON ONLY)

**MATERIAL TO BE ABANDONED:**

PIPE-PE2406/PE2708, 2" IPS, .216" WALL, SDR11, COIL- 500', LB/FT 0.63, ASTM D25

**QUANTITY UNIT**  
 135 FT

**MATERIAL TO BE INSTALLED:**

PIPE,HDPE,2 IN IPS,DR11,500 FT COIL,0.216 IN WALL,BIMODAL,100 PSIG,NO REGI  
 WIRE-TRACER, FOR BORING, SOLID COPPER, #10 AWG PER ASTM B-1, INSULATI  
 VALVE,BALL,2 IN IPS,MDPE,BUTT FUSION,FO,100 PSIG,DR 11,FULL PORT,ASTM D  
 SADDLE,4 IN X 2 IN,MDPE,BUTT FUSION,100 PSIG,ASTM D2513  
 ELBOW,2 IN,MDPE,BUTT FUSION,90 DEG,100 PSIG,ASTM D2513  
 RISER SERVICE,2 IN X 2 IN IPS,ST X PE,FUS,STD,DR11,MD,FBE,ASTM D2513  
 COUPLING,2 IN IPS,PE,ELECTRO FUSION,HD,100 PSIG,BLACK,ASTM D2513  
 VALVE,BOX,2 IN,ABS POLY,SCREW TYPE,ADJ HEIGHT 28 IN TO 39 IN,CAST IRON I  
 REGULATOR-1" X 1" STRAIGHT VALVE BODY, .125" (1/8") ORIFICE, STANDARD DO

**QUANTITY UNIT**  
 135 FT  
 135 FT  
 1 EA  
 1 EA  
 4 EA  
 1 EA  
 1 EA  
 1 EA  
 1 EA

**UNIT COST TOTAL**  
 0.58 \$78.30  
 0.14 \$18.90  
 47.67 \$47.67  
 7.00 \$7.00  
 2.35 \$9.40  
 61.03 \$61.03  
 5.11 \$5.11  
 52.77 \$52.77  
 19.91 \$19.91

**ESTIMATED MATERIAL COST**

\$300.00

Concrete repairs  
 Purchased Miscellaneous Material  
**TOTAL MATERIAL COST**

1 EA \$725.00 \$725.00  
 1 LOT 0.00 \$0.00  
**\$1,025.00**

**INSTALLATION COST:**

STORES EXPENSE  
 CONTRACT LABOR  
 COMPANY LABOR  
 OTHER COMP. LABOR:  
 TOTAL COMPANY LABOR  
 INDIRECT LABOR, PAYROLL INSURANCE AND TAXES  
 AUTOMOTIVE AND EQUIPMENT EXPENSE  
**ESTIMATED COST FOR ABANDONMENT**  
 RIGHT OF WAY / SURVEY  
 OMISSIONS AND CONTINGENCIES  
 ADMINISTRATIVE AND GENERAL EXPENSE

67  
 1,314  
 295  
 0  
 295  
 126  
 97  
 656  
 0  
 0  
 1,199

**SUBTOTAL COST**

**\$3,754**

**ESTIMATED MATERIAL COST (FROM ABOVE)**

1,025

**TOTAL ESTIMATED REINSTALLATION COST**

**\$4,779**

**FINANCIAL RESPONSIBILITY:**

<b>NORMAN SHARE:</b>	<u>0' Within Private R/W</u>	=	<b>0.00%</b>	<b>\$0</b>
	1 Within Total Required R/W			
<b>OKLAHOMA NATURAL GAS SHARE:</b>	<u>1 Within Public R/W</u>	=	<b>100.00%</b>	<b>\$4,779</b>
	1 Within Total Required R/W			