

OKLAHOMA NATURAL GAS COMPANY
 ESTIMATED RELOCATION COST
 RELOCATION OF EIGHT-INCH MED-PRESSURE PIPELINE
 CITY OF NORMAN
 24TH AVENUE EAST, State Job Piece No. 29300 (04)
 LINDSEY TO ALAMEDA
 CLEVELAND COUNTY
 ESTIMATE NO. 2016000941

Contract K-1718-63

PROJECT COST SUMMARY

<u>DESCRIPTION</u>	<u>PAGE NO</u>	<u>NORMAN SHARE</u>	<u>COMPANY SHARE</u>	<u>TOTAL COST</u>
2. RELOCATE 685' OF 8" MP PIPELINE FOR 24TH AVE STREET WIDENING PROJECT	2	\$0	\$150,283	\$150,283
3. RELOCATE 30' OF 4" MP MAIN FOR 24TH AVE STREET WIDENING PROJECT	3	\$0	\$5,766	\$5,766
4. RELOCATE 150' OF 4" MP STEEL MAIN CROSSING 24TH AVE	4	\$16,509	\$12,971	\$29,480
5. RELOCATE 32' OF 8" STEEL MAIN DOG LEG 168+35	5	\$28,904	\$0	\$28,904
TOTALS		\$45,413	\$169,020	\$214,433

COMPOSITE PERCENTAGE FOR PROJECT

NORMAN SHARE:	=	21.18%	=	\$45,413
OKLAHOMA NATURAL GAS SHARE	=	78.82%	=	\$169,020

OKLAHOMA NATURAL GAS COMPANY
ESTIMATED RELOCATION COST
RELOCATION OF EIGHT-INCH MED-PRESSURE PIPELINE
CITY OF NORMAN
24TH AVENUE EAST, State Job Piece No. 29300 (04)
LINDSEY TO ALAMEDA
CLEVELAND COUNTY
ESTIMATE NO. 2016000941

Contract K-1718-63

**RELOCATE 685' OF 8" MP PIPELINE FOR 24TH
AVE STREET WIDENING PROJECT**

MATERIAL TO BE ABANDONED:

PIPE-STEEL, LINE, 8.625" [8 5/8"] OD, .188 WALL, 16.96#/FT, API-5L, X-42, ERW, BE'

QUANTITY UNIT

654 FT

MATERIAL TO BE INSTALLED:

PIPE,STEEL,8.625 IN OD,0.322 IN WT,X52,ERW,FBE 14-16 MILS ARO 20 MILS,DRL,
WRAP-COATING, WAX, UNDERGROUND NO #1, 4" X 9' ROLLS, BROWN, PRIMARIL
PRIMER-WAX, TAPE #1, "UNDERGROUND APPLICATION ONLY"
ANODE-CAST, MAGNESIUM, PACKAGED 17 LB, 10 FT LEAD, DIAMETER 3", HIGH F
SIGN-MARKER, PIPELINE, (ONG), 84" TALL, FLAT FIBERGLASS POST W/UV PROTI
MARKER POST, 84 IN TALL, STEEL U CHANNEL
MARKER SIGN,14 IN W X 12 IN H,REFLECTIVE ALUM,ONG,WARNING NATURAL GA
TEST STATION, 1 IN X 6 FT TALL, STATION, 2 TERMINALS, FINKLET, YELLOW, CO
TEE-REDUC, WELD, 8" X 8" X 4", STEEL, STD, WP
CAP,8 IN,STEEL,WE,STD WT,SMLS,A234 WPB

QUANTITY UNIT**UNIT COST****TOTAL**

685 FT	19.89	\$13,624.65
18 EA	10.69	\$192.42
1 EA	27.28	\$27.28
2 EA	49.08	\$98.16
2 EA	12.54	\$25.08
2 EA	8.00	\$16.00
4 EA	4.49	\$17.96
1 EA	14.75	\$14.75
1 EA	230.05	\$230.05
2 EA	38.75	\$77.50

ESTIMATED MATERIAL COST

\$14,324.00

Denso-coat

16 LOT

115.00

\$1,840.00

Purchased Miscellaneous Material

1 LOT

300.00

\$300.00

TOTAL MATERIAL COST**\$16,464.00****INSTALLATION COST:**

STORES EXPENSE		3187
CONTRACT LABOR		45,452
COMPANY LABOR		
OTHER COMP. LABOR:	8,180	
TOTAL COMPANY LABOR	1,920	
INDIRECT LABOR, PAYROLL INSURANCE AND TAXES		10,100
AUTOMOTIVE AND EQUIPMENT EXPENSE		4317
ESTIMATED COST FOR ABANDONMENT		2347
RIGHT OF WAY / SURVEY		9090
OMISSIONS AND CONTINGENCIES		1000
ADMINISTRATIVE AND GENERAL EXPENSE		18,391
		39,935

SUBTOTAL COST**\$133,819****ESTIMATED MATERIAL COST (FROM ABOVE)**

16,464.00

TOTAL ESTIMATED REINSTALLATION COST**150,283.00****FINANCIAL RESPONSIBILITY:****NORMAN SHARE:**

0' Within Private R/W

=

0.00%

0.00

654' Within Total Required R/W

OKLAHOMA NATURAL GAS SHARE:

685' Within Public R/W

=

100.00%

150,283.00

685' Within Total Required R/W

OKLAHOMA NATURAL GAS COMPANY
ESTIMATED RELOCATION COST
RELOCATION OF EIGHT-INCH MED-PRESSURE PIPELINE
CITY OF NORMAN
24TH AVENUE EAST, State Job Piece No. 29300 (04)
LINDSEY TO ALAMEDA
CLEVELAND COUNTY
ESTIMATE NO. 2016000941

Contract K-1718-63

RELOCATE 30' OF 4" MP MAIN FOR 24TH AVE
STREET WIDENING PROJECT

MATERIAL TO BE ABANDONED:

PIPE-PE2406/PE2708, 4" IPS, .395" WALL, SDR 11.5, COIL- 600', LB/FT 2.17, ASTM E

QUANTITY UNIT
30 FT

MATERIAL TO BE INSTALLED:

PIPE-PE2406/PE2708, 4" IPS, .395" WALL, SDR 11.5, COIL- 600', LB/FT 2.17, ASTM E
WIRE, SOLID, 12 GA, TRACER, COPPER, YELLOW, 30 MIL INSULATION, 500 FT, REG
ANODE-CAST, MAGNESIUM, PACKAGED 5 LB, 10 FT LEAD, H-1 ALLOY, .05 COPPE
SIGN-MARKER, PIPELINE, (ONG), 84" TALL, FLAT FIBERGLASS POST W/UV PROTI
FITTING-TRANSITION, 4" ST-PL, WELD COATED WITH TRACER, MD PE 2406
TEE-TAPPING, SOCKET FUSION, 4" X .75" IPS [4" X 3/4" IPS], MD PE 2406, .80" CUT
FLANGE-WELD NECK, 4", RAISED FACE, ST, 150 LB
CAP-4" IPS, BUTT FUSION, MD PE 2406
CAP-SOCKET FUSION, .75" [3/4"] IPS, MD PE 2406
VALVE-GATE, 4", RAISED FACE, FLANGED, ANSI 150, 285# WP, STEEL, FULL OPEI
GASKET-TYPE F (RING TYPE), 4" X .125" [1/8"] THICK, ANSI 150, 285 PSI WP
BOX-VALVE, FOR STEEL VALVE, ABS POLY MATERIAL, SCREW TYPE, 5.25" SHAF

QUANTITY UNIT**UNIT COST****TOTAL**

	QUANTITY UNIT	UNIT COST	TOTAL
PIPE-PE2406/PE2708, 4" IPS, .395" WALL, SDR 11.5, COIL- 600', LB/FT 2.17, ASTM E	10 FT	2.16	\$21.60
WIRE, SOLID, 12 GA, TRACER, COPPER, YELLOW, 30 MIL INSULATION, 500 FT, REG	10 FT	0.10	\$1.00
ANODE-CAST, MAGNESIUM, PACKAGED 5 LB, 10 FT LEAD, H-1 ALLOY, .05 COPPE	1 EA	17.30	\$17.30
SIGN-MARKER, PIPELINE, (ONG), 84" TALL, FLAT FIBERGLASS POST W/UV PROTI	1 EA	12.54	\$12.54
FITTING-TRANSITION, 4" ST-PL, WELD COATED WITH TRACER, MD PE 2406	1 EA	31.28	\$31.28
TEE-TAPPING, SOCKET FUSION, 4" X .75" IPS [4" X 3/4" IPS], MD PE 2406, .80" CUT	2 EA	4.76	\$9.52
FLANGE-WELD NECK, 4", RAISED FACE, ST, 150 LB	2 EA	18.62	\$37.24
CAP-4" IPS, BUTT FUSION, MD PE 2406	1 EA	4.30	\$4.30
CAP-SOCKET FUSION, .75" [3/4"] IPS, MD PE 2406	2 EA	0.55	\$1.10
VALVE-GATE, 4", RAISED FACE, FLANGED, ANSI 150, 285# WP, STEEL, FULL OPEI	1 EA	875.19	\$875.19
GASKET-TYPE F (RING TYPE), 4" X .125" [1/8"] THICK, ANSI 150, 285 PSI WP	2 EA	5.50	\$11.00
BOX-VALVE, FOR STEEL VALVE, ABS POLY MATERIAL, SCREW TYPE, 5.25" SHAF	1 EA	54.79	\$54.79

ESTIMATED MATERIAL COST

\$1,077.00

Purchased Miscellaneous Material

1 LOT

30.00

\$30.00

TOTAL MATERIAL COST**\$1,107.00****INSTALLATION COST:**

STORES EXPENSE			240
CONTRACT LABOR			1,382
COMPANY LABOR		258	
OTHER COMP. LABOR:		0	
TOTAL COMPANY LABOR			258
INDIRECT LABOR, PAYROLL INSURANCE AND TAXES			110
AUTOMOTIVE AND EQUIPMENT EXPENSE			86
ESTIMATED COST FOR ABANDONMENT			345
RIGHT OF WAY / SURVEY			0
OMISSIONS AND CONTINGENCIES			706
ADMINISTRATIVE AND GENERAL EXPENSE			1,532

SUBTOTAL COST**\$4,659****ESTIMATED MATERIAL COST (FROM ABOVE)**

1,107

TOTAL ESTIMATED REINSTALLATION COST**\$5,766****FINANCIAL RESPONSIBILITY:****NORMAN SHARE:**

0' Within Private R/W

=

0.00%

\$0

10' Within Total Required R/W

OKLAHOMA NATURAL GAS SHARE:

10' Within Public R/W

=

100.00%

\$5,766

10' Within Total Required R/W

OKLAHOMA NATURAL GAS COMPANY
ESTIMATED RELOCATION COST
RELOCATION OF EIGHT-INCH MED-PRESSURE PIPELINE
CITY OF NORMAN
24TH AVENUE EAST, State Job Piece No. 29300 (04)
LINDSEY TO ALAMEDA
CLEVELAND COUNTY
ESTIMATE NO. 2016000941

Contract K-1718-63

**RELOCATE 150' OF 4" MP STEEL MAIN
CROSSING 24TH AVE**

MATERIAL TO BE ABANDONED:

PIPE-STEEL, LINE, 8.625" [8 5/8"] OD, .188 WALL, 16.96#/FT, API-5L, X-42, ERW, BE

QUANTITY UNIT

140 FT

MATERIAL TO BE INSTALLED:**QUANTITY UNIT****UNIT COST****TOTAL**

PIPE, HDPE, 4 IN IPS, DR 11, 500 FT COIL, 0.409 IN WALL, BIMODAL, 100 PSIG, NO REG	150 FT	2.53	\$379.50
WIRE, SOLID, 10 GA, THWN, COPPER, YELLOW, 30 MILL, 500 FT, HIGH, TRACER,	150 FT	0.12	\$18.00
ELBOW, 4 IN, MDPE, BUTT, 90 DEG, 100 PSIG, ASTM D2513	2 EA	7.40	\$14.80
FITTING, TRANSITION, 4 IN X 4 IN IPS, ST X PE, WE X FUS, 0.391 IN WT, DR 11.5, I	2 EA	31.28	\$62.56
WRAP-COATING, WAX, UNDERGROUND NO #1, 4" X 9' ROLLS, BROWN, PRIMARIL	12 EA	10.69	\$128.28
PRIMER-WAX, TAPE #1, "UNDERGROUND APPLICATION ONLY"	1 EA	27.28	\$27.28
ANODE-CAST, MAGNESIUM, PACKAGED 17 LB, 10 FT LEAD, DIAMETER 3", HIGH F	2 EA	49.08	\$98.16
ANODE, 5 LB, CAST, H1 MAGNESIUM ALLOY, PACKED W 10 FT, 0.05 CU LEAD	1 EA	17.26	\$17.26
TEST STATION, 1 IN X 6 FT TALL, STATION, 2 TERMINALS, FINKLET, YELLOW, CC	1 EA	14.75	\$14.75
MARKER POST, 84 IN TALL, STEEL U CHANNEL	2 EA	8.00	\$16.00
MARKER SIGN, 14 IN W X 12 IN H, REFLECTIVE ALUM, ONG, WARNING NATURAL G/	4 EA	4.49	\$17.96
TEE-WD, STOP, 4", 3-WAY, SCFD, WD, FLANGED	2 EA	474.19	\$948.38
CAP-STEEL-WELD 4" STD	2 EA	14.40	\$28.80

ESTIMATED MATERIAL COST

\$1,772.00

Purchased Miscellaneous Material

1 LOT

175.00

\$175.00

TOTAL MATERIAL COST**\$1,947.00****INSTALLATION COST:**

STORES EXPENSE			394
CONTRACT LABOR			9,303
COMPANY LABOR		1,743	
OTHER COMP. LABOR:		0	
TOTAL COMPANY LABOR			1,743
INDIRECT LABOR, PAYROLL INSURANCE AND TAXES			745
AUTOMOTIVE AND EQUIPMENT EXPENSE			581
ESTIMATED COST FOR ABANDONMENT			2325
RIGHT OF WAY / SURVEY			1000
OMISSIONS AND CONTINGENCIES			3,608
ADMINISTRATIVE AND GENERAL EXPENSE			7,834

SUBTOTAL COST**\$27,533****ESTIMATED MATERIAL COST (FROM ABOVE)**

1,947

TOTAL ESTIMATED REINSTALLATION COST**\$29,480****FINANCIAL RESPONSIBILITY:****NORMAN SHARE:**

84' Within Private R/W

=

56.00%

\$16,509

150' Within Total Required R/W

OKLAHOMA NATURAL GAS SHARE:

66' Within Public R/W

=

44.00%

\$12,971

150' Within Total Required R/W

OKLAHOMA NATURAL GAS COMPANY
ESTIMATED RELOCATION COST
RELOCATION OF EIGHT-INCH MED-PRESSURE PIPELINE
CITY OF NORMAN
24TH AVENUE EAST, State Job Piece No. 29300 (04)
LINDSEY TO ALAMEDA
CLEVELAND COUNTY
ESTIMATE NO. 2016000941

Contract K-1718-63

RELOCATE 32' OF 8" STEEL MAIN DOG LEG
168+35

Point 7 - 8

MATERIAL TO BE ABANDONED:

PIPE-STEEL, LINE, 8.625" [8 5/8"] OD, .188 WALL, 16.96#/FT, API-5L, X-42, ERW, BE

QUANTITY UNIT

20 FT

MATERIAL TO BE INSTALLED:

PIPE,STEEL,8.625 IN OD,0.322 IN WT,X52,ERW,FBE 14-16 MILS ARO 20 MILS,DRL,/
ELBOW,8 IN,STEEL,WE,90 DEG LR,STD,GR B,SEAMLESS
WRAP-COATING, WAX, UNDERGROUND NO #1, 4" X 9' ROLLS, BROWN, PRIMARIL'
ANODE-CAST, MAGNESIUM, PACKAGED 17 LB, 10 FT LEAD, DIAMETER 3", HIGH P
SIGN-MARKER, PIPELINE, (ONG), 84" TALL, FLAT FIBERGLASS POST W/UV PROTE
TEE,8 IN,SPHERICAL 3 WAY,STEEL,WE,ANSI 150,285 PSIG,COMPLETE W FLANGE
CAP-STEEL-WELD 8" .219
FITTING,STOPPLE,2 IN,STEEL,WE,SHORTSTOPP,285 PSIG,COMPLETION PLUG AN

QUANTITY UNIT

32 FT

4 EA

24 EA

1 EA

4 EA

2 EA

2 EA

2 EA

UNIT COST

19.89

97.04

10.69

49.08

12.54

2118.45

67.98

54.16

TOTAL

\$636.48

\$388.16

\$256.56

\$49.08

\$50.16

\$4,236.90

\$135.96

\$108.32

ESTIMATED MATERIAL COST

\$5,862.00

Denso-coat

4 LOT

150.00

\$600.00

Purchased Miscellaneous Material

1 LOT

113.00

\$113.00

TOTAL MATERIAL COST**\$6,575.00****INSTALLATION COST:**

STORES EXPENSE

1304

CONTRACT LABOR

5,033

COMPANY LABOR

943

OTHER COMP. LABOR:

600

TOTAL COMPANY LABOR

1,543

INDIRECT LABOR, PAYROLL INSURANCE AND TAXES

659

AUTOMOTIVE AND EQUIPMENT EXPENSE

314

ESTIMATED COST FOR ABANDONMENT

1258

RIGHT OF WAY / SURVEY

1000

OMISSIONS AND CONTINGENCIES

3,537

ADMINISTRATIVE AND GENERAL EXPENSE

7,681

SUBTOTAL COST**22,329.00****ESTIMATED MATERIAL COST (FROM ABOVE)**

6,575.00

TOTAL ESTIMATED REINSTALLATION COST**28,904.00****FINANCIAL RESPONSIBILITY:****NORMAN SHARE:**32' Within Private R/W

=

100.00%**28,904.00**

32' Within Total Required R/W

OKLAHOMA NATURAL GAS SHARE:0' Within Public R/W

=

0.00%**0.00**

32' Within Total Required R/W