

33 52 Hydrocarbon Transmission and Distribution

33 52 13 – Liquid Hydrocarbon Piping

33 52 13.16 Gasoline Piping		Crew	Daily Output	Labor-Hours	Unit	Material	2022 Bare Costs		Total	Total Incl O&P
							Labor	Equipment		
1290	5" diameter	Q-6	9	2.667	Ea.	214	175		389	495
1300	6" diameter		6	4		300	263		563	720
1310	Couplings, 3" diameter		18	1.333		49	87.50		136.50	185
1320	4" diameter		16	1.500		111	98.50		209.50	269
1330	5" diameter		14	1.714		198	113		311	385
1340	6" diameter		12	2		310	131		441	535
1350	Cross-over nipples, 3" diameter		18	1.333		9.25	87.50		96.75	141
1360	4" diameter		16	1.500		11.30	98.50		109.80	159
1370	5" diameter		14	1.714		15.65	113		128.65	185
1380	6" diameter		12	2		16.35	131		147.35	214
1400	Telescoping, reducers, concentric 4" x 3"		18	1.333		39.50	87.50		127	175
1410	5" x 4"		17	1.412		84.50	92.50		177	231
1420	6" x 5"		16	1.500		237	98.50		335.50	410

33 52 16 – Gas Hydrocarbon Piping

33 52 16.20 Piping, Gas Service and Distribution, P.E.

0010 PIPING, GAS SERVICE AND DISTRIBUTION, POLYETHYLENE

0020 Not including excavation or backfill

1000	60 psi coils, compression coupling @ 100', 1/2" diameter, SDR 11	B-20A	608	.053	L.F.	.57	2.88		3.45	4.97
1010	1" diameter, SDR 11		544	.059		1.55	3.22		4.77	6.5
1040	1-1/4" diameter, SDR 11		544	.059		3.26	3.22		6.48	8.4
1100	2" diameter, SDR 11		488	.066		5.75	3.59		9.34	11.6
1160	3" diameter, SDR 11		408	.078		6.25	4.29		10.54	13.3
1500	60 psi 40' joints with coupling, 3" diameter, SDR 11	B-21A	408	.098		9.30	5.55	1.40	16.25	20
1540	4" diameter, SDR 11		352	.114		18	6.40	1.62	26.02	31
1600	6" diameter, SDR 11		328	.122		46	6.90	1.74	54.64	62.5
1640	8" diameter, SDR 11		272	.147		77	8.30	2.10	87.40	99

33 52 16.23 Medium Density Polyethylene Piping

2010 MEDIUM DENSITY POLYETHYLENE PIPING

2020 ASTM D2513, not including excavation or backfill

2200 Butt fused pipe

2205	80psi coils, butt fusion joint @ 100', 1/2" CTS diameter, SDR 7	B-22C	2050	.008	L.F.	.28	.41	.12	.81	1.00
2210	1" CTS diameter, SDR 11.5		1900	.008		.29	.44	.13	.86	1.11
2215	80psi coils, butt fusion joint @ 100', IPS 1/2" diameter, SDR 9.3		1950	.008		.31	.43	.13	.87	1.11
2220	3/4" diameter, SDR 11		1950	.008		.47	.43	.13	1.03	1.30
2225	1" diameter, SDR 11		1850	.009		.76	.45	.13	1.34	1.61
2230	1-1/4" diameter, SDR 11		1850	.009		1.25	.45	.13	1.83	2.21
2235	1-1/2" diameter, SDR 11		1750	.009		1.37	.48	.14	1.99	2.38
2240	2" diameter, SDR 11		1750	.009		2.43	.48	.14	3.05	3.54
2245	80psi 40' lengths, butt fusion joint, IPS 3" diameter, SDR 11.5	B-22A	660	.061		3.03	3.16	.99	7.18	9.15
2250	4" diameter, SDR 11.5	"	500	.080		4.77	4.18	1.31	10.26	12.97
2400	Socket fused pipe									
2405	80psi coils, socket fusion coupling @ 100', 1/2" CTS diameter, SDR 7	B-20	1050	.023	L.F.	.30	1.16		1.46	2.06
2410	1" CTS diameter, SDR 11.5		1000	.024		.31	1.22		1.53	2.17
2415	80psi coils, socket fusion coupling @ 100', IPS 1/2" diameter, SDR 9.3		1000	.024		.33	1.22		1.55	2.18
2420	3/4" diameter, SDR 11		1000	.024		.49	1.22		1.71	2.36
2425	1" diameter, SDR 11		950	.025		.78	1.28		2.06	2.77
2430	1-1/4" diameter, SDR 11		950	.025		1.28	1.28		2.56	3.31
2435	1-1/2" diameter, SDR 11		900	.027		1.40	1.35		2.75	3.56
2440	2" diameter, SDR 11		850	.028		2.46	1.43		3.89	4.84
2445	80psi 40' lengths, socket fusion coupling, IPS 3" diameter, SDR 11.5	B-21A	340	.118		3.52	6.65	1.68	11.85	15.65
2450	4" diameter, SDR 11.5	"	260	.154		5.50	8.70	2.20	16.40	21.50
2600	Compression coupled pipe									