

ROUTE 1.1(1)

WESTON TO EXELAND (TRIPOLI) ESTIMATE:

345KV Single Circuit Steel Pole H-Frame

Segments: Weston, 1ax,1bx,7ay,49y,14by,20y,25y,27y,31y,34y,38y,107by,109y,111y,119y,123y,127x,129x,131x,135x,
140x,153ax,153bx,144#,145ay,145by,149by,302'y,301by,303y,and 308'y
126.78 miles, 650' Average Span

Qty.	Unit	Description of Item	Item Cost	Cost	Total
TRANSMISSION CONSTRUCTION					
ACCOUNT 349-000: TRANSMISSION CONSTRUCTION					
607	ea	345KV SC Steel H-frame tangent - direct burial	\$21,300	\$12,929,100	
57	ea	345KV SC Steel 3-pole Angle 1/2°-20° - direct burie	\$42,600	\$2,428,200	
10	ea	345KV Steel S-30 Tower 21°-30°	\$55,900	\$559,000	
14	ea	345KV SC D-90 Steel Deadend Tower 31°-90°	\$143,000	\$2,002,000	
3	ea	345KV SC Steel H-frame tangent - foundation	\$30,000	\$90,000	
2	ea	345KV SC Steel 2-pole 30°-90° - foundation	\$160,000	\$320,000	
21	ea	345/345KV DC Steel tangent - foundation	\$44,900	\$942,900	
1	ea	345/345KV DC Steel 11°-30° - foundation	\$166,400	\$166,400	
2	ea	345/345KV DC Steel 30°-90° - foundation	\$267,400	\$534,800	
228	ea	161/345KV DC Steel tangent - foundation	\$40,200	\$9,165,600	
19	ea	161/345KV DC Steel 1/2°-11° - foundation	\$84,400	\$1,603,600	
4	ea	161/345KV DC Steel 11°-30° - foundation	\$139,500	\$558,000	
6	ea	161/345KV DC Steel 30°-90° - foundation	\$233,700	\$1,402,200	
45	ea	Subfooting two 5' logs per pole	\$880	\$39,600	
99	ea	Subfooting four 5' logs per pole	\$1,200	\$118,800	
126780	ft	Counterpoise wire for additional grounding	\$3	\$380,340	
123.14	mi	954 KCM ACSR 54/7 (six wires)	\$87,200	\$10,737,808	
3.64	mi	954 KCM ACSR 54/7 (twelve wires)	\$174,400	\$634,816	
33.03	mi	795 KCM ACSR 26/7 (three wires)	\$43,200	\$1,426,896	
126.78	mi	3/8" EHS shieldwire - one	\$4,700	\$595,866	
		Increase for additional rock or unstable digging		\$55,000	
		TOTAL ACCOUNT 349-000			\$46,690,926
COMMUNICATION					
126.78	mi	48 Fiber OPGW shieldwire (one)	\$26,200	\$3,321,636	\$3,321,636
ACCOUNT 351-000: CLEARING ROW					
1332	acre		\$3,200	\$4,262,400	
		TOTAL ACCOUNT 351-000			\$4,262,400
ACCOUNT 350-200: LAND RIGHTS - EASEMENTS					
0.51	mi	91' ROW parallel road	\$37,100	\$18,921	
3.41	mi	115' ROW parallel road	\$42,900	\$146,289	
3.3	mi	132' ROW parallel pipeline	\$42,000	\$138,600	
0.32	mi	20' ROW rebuild with existing line - road	\$19,800	\$6,336	
30.76	mi	40' ROW rebuild with existing line - x-country	\$19,700	\$605,972	
1.44	mi	120' ROW - new	\$44,100	\$63,504	
83.4	mi	150' ROW - new	\$51,400	\$4,286,760	
		TOTAL ACCOUNT 350-200			\$5,266,382

ACCOUNT 670-000: REMOVAL

33.03	mi	Remove existing 46-138KV wood pole line	\$11,700	\$386,451	
3.08	mi	Remove Line V-308	\$20,000	<u>\$61,600</u>	
		TOTAL ACCOUNT 670-000			\$448,051

ACCOUNT 680-000: SALVAGE

3.08	mi	Material salvaged from removed lines	\$8,700	<u>(\$26,796)</u>	
		TOTAL ACCOUNT 680-000			(\$26,796)

ACCOUNT 980-000: LOCAL ENGINEERING (COMPANY)

126.78	mi	345KV line	\$3,000	<u>\$380,340</u>	
		TOTAL ACCOUNT 980-000			\$380,340

ACCOUNT 991-000: FOREIGN ENGINEERING (OUTSIDE)

126.78	mi	345KV line	\$40,000	\$5,071,200	
262	ea	Additional cost for foundations	\$1,100	\$288,200	
36.67	mi	Additional cost for 2nd circuit - inspection	\$1,700	\$62,339	
262	ea	Soil borings	\$1,300	\$340,600	
126.78	mi	Radio & TV noise study	\$1,000	<u>\$126,780</u>	
		TOTAL ACCOUNT 991-000			\$5,889,119

TOTAL CONSTRUCTION COST YEAR 2000**\$66,232,058**

M R Mahr/J R Novitski
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