

Table 6-1: Environmental Data for Alternative Route Evaluation NE Hereford to La Plata 115 kV Transmission Line Project

	Route 1	Route 2	Route 3	Route 4	Route 5	Route 6	Route 7	Route 8	Route 9
<b>Land Use</b>									
1 Length of Alternative Route	11.34	11.27	9.50	9.58	7.53	7.50	7.49	7.48	9.27
2 Number of habitable structures <sup>a</sup> within 300 ft of ROW centerline	7	13	13	9	7	9	12	35	9
3 Length utilizing existing transmission line ROW	0	0	0	0	0	0	0	0	0
4 Length of ROW parallel to existing transmission line ROW	0	0	0	0	0	0	0	0.47	0
5 Length of ROW parallel to other existing compatible ROW (roads, highways, railways, etc. - excluding pipelines)	7.80	7.84	5.59	5.04	1.00	0.60	1.56	2.06	2.85
6 Length of ROW paralleling approximate property lines (not following existing ROW) <sup>b</sup>	2.90	3.33	3.81	3.89	6.38	6.77	5.78	4.79	6.29
7 Combined total length of ROW parallel to existing transmission line ROW, other compatible ROW, and approximate property lines	10.70	11.17	9.40	8.93	7.38	7.37	7.34	7.32	9.14
8 Length of ROW across parks/recreational areas <sup>c</sup>	0	0	0	0	0	0	0	0	0
9 Number of additional parks/recreational areas <sup>c</sup> within 1,000 ft of ROW centerline	1	1	1	1	1	1	1	2	1
10 Length of ROW across cropland	8.75	8.82	7.24	7.00	5.68	5.98	5.84	5.14	7.56
11 Length of ROW across pastureland	0.86	0.68	0.64	0.99	0.48	0.13	0.16	0.53	0.17
12 Length of ROW across cropland or pastureland with mobile irrigation systems	1.10	1.09	1.01	1.13	1.01	0.93	0.76	0.65	1.00
13 Number of pipeline crossings	6	6	7	7	5	5	5	5	4
14 Number of transmission line crossings	2	2	2	2	2	2	2	4	2
15 Number of U.S. and state highway crossings	1	1	1	1	1	1	1	1	1
16 Number of FM/RM road crossings	0	0	0	0	0	0	0	0	0
17 Number of FAA-registered airfields within 20,000 ft of ROW centerline (with runway >3,200 ft)	1	1	1	1	1	1	1	1	1
18 Number of FAA-registered airfields within 10,000 ft of ROW centerline (with runway <3,200 ft)	0	0	0	0	0	0	0	0	0
19 Number of private airstrips within 10,000 ft of ROW centerline	1	1	1	1	1	1	1	1	1
20 Number of heliports within 5,000 ft of ROW centerline	1	1	1	1	1	1	1	1	1
21 Number of commercial AM radio transmitters within 10,000 ft of ROW centerline	0	0	0	0	0	0	0	0	0
22 Number of FM radio transmitters, microwave towers, and other electronic installations within 2,000 ft of ROW centerline	3	3	1	1	1	1	1	2	3
23 Number of water wells within ROW	5	6	6	5	2	2	3	2	2
<b>Aesthetics</b>									
24 Estimated length of ROW within foreground visual zone <sup>d</sup> of U.S. and state highways	1.49	1.99	1.99	1.49	1.00	1.00	1.01	2.01	1.00
25 Estimated length of ROW within foreground visual zone <sup>d</sup> of FM/RM roads	0	0	0	0	0	0	0	0	0
26 Estimated length of ROW within foreground visual zone <sup>d</sup> of parks/recreational areas <sup>c</sup>	0.44	0.44	0.65	0.65	0.65	0.65	0.65	2.80	0.44
<b>Ecology</b>									
27 Length of ROW through woodland/brushland	0	0	0	0	0	0	0	0	0
28 Length of ROW through bottomland/riparian woodland	0	0	0	0	0	0	0	0	0
29 Length of ROW across potential wetlands <sup>e</sup>	0	0.09	0.09	0	0	0.09	0.23	0.09	0.09
30 Length of ROW across known occupied habitat of federally listed endangered or threatened species	0	0	0	0	0	0	0	0	0
31 Number of stream crossings	0	0	0	0	0	0	0	0	0
32 Length of ROW paralleling (within 100 ft) streams	0	0	0	0	0	0	0	0	0
33 Length of ROW across open water (ponds, playa lakes <sup>f</sup> , etc.)	0.27	0.22	0.22	0.13	0.13	0.22	0.36	0.22	0.22
34 Number of playa lake <sup>f</sup> crossings	1	1	1	0	0	1	2	1	1
35 Length of ROW across 100-year floodplains <sup>g</sup>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Cultural Resources</b>									
36 Number of recorded cultural resource sites crossed by ROW	0	0	0	0	0	0	0	0	0
37 Number of additional recorded cultural resource sites within 1,000 ft of ROW centerline	0	1	1	0	0	0	1	0	0
38 Number of NRHP-listed or determined-eligible sites crossed by ROW	0	0	0	0	0	0	0	0	0
39 Number of additional NRHP-listed or determined-eligible sites within 1,000 ft of ROW centerline	0	0	0	0	0	0	0	0	0
40 Length of ROW through areas of high archeological/historical site potential	2.46	1.87	1.53	1.69	1.73	1.73	2.02	2.04	2.07

(a) Single-family and multi-family dwellings and related structures, mobile homes, apartment buildings, commercial structures, industrial structures, business structures, churches, hospitals, nursing homes, schools, or other structures normally inhabited by humans or intended to be inhabited by humans on a daily or regular basis.

(b) Property lines created by existing road, highways, or railroad ROW are not "double-counted" in the "length of ROW parallel to property lines" criterion.

(c) Defined as parks and recreational areas owned by a governmental body or an organized group, club, or church.

(d) One-half mile, unobstructed.

(e) As mapped by the FWS NWI.

(f) As mapped by the Texas Tech University Playa Lakes Digital Database for the Texas Portion of the Playa Lakes Joint Venture Region.

(g) Deaf Smith County does not participate in the FEMA program, therefore 100-year floodplains are not mapped in the Study Area.

Note: all length measurements in miles.

Route	Segments
1	A-C-D-E-K-R-T
2	A-B-E-I-L-O-S-T
3	A-B-E-I-L-O-P-Q
4	A-C-D-E-K-N-O-P-Q
5	A-C-D-F-G-M-P-Q
6	A-B-F-G-M-P-Q
7	A-B-F-H-L-O-P-Q
8	A-B-F-G-J-Q
9	A-B-F-G-M-S-T