

Appendix E

Figure 6-1

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Kiser - Kress Segment Descriptions

January 2012

All routes described below begin at the existing Kress Substation located northwest of the City of Kress, north of Farm-to-Market (FM) Road 145 and west of County Road (CR) 10. All routes end at the proposed Kiser Substation which will be located in the northeast portion of the City of Plainview, Texas, on the southwest corner of the intersection of FM Road 400 and 24th Street.

ALTERNATIVE ROUTE	SEGMENT COMBINATION
1	C-O-M2-P2-S2-W-N1-J3-I1-G2-A2-M3-K2
2	B-K-O-O2-L3-N2-P2-S2-U2-W2-Y-M1-J3-I3-Q1-E3-D2-A2-M3-K2
3	B-J-N-P-L3-N2-P2-S2-W-N1-J3-I1-H1-E3-J2-M3-K2
4	A-N-T-E1-S2-U2-V2-S1-Y1-Q1-E3-D2-A2-M3-K2
5	B-J-N-P-L3-V-E1-S2-U2-V2-S1-Y1-Q1-E3-J2-M3-K2
6	B-K-O-M2-P2-S2-U2-V2-S1-G3-M1-J3-I1-G2-A2-L2
7	C-O-O2-L3-N2-P2-S2-W-T2-Y-M1-J3-I3-Q1-E3-D2-A2-L2
8	B-J-N-P-L3-N2-P2-S2-U2-W2-Y-M1-J3-I1-G2-A2-L2
9	A-N-T-E1-S2-U2-V2-S1-G3-M1-J3-I1-H1-E3-J2-M3-L2
10	C-O-M2-P2-S2-U2-W2-Y-G3-Y1-Q1-E3-J2-M3-L2
11	B-J-N-P-L3-N2-P2-S2-U2-V2-S1-Y1-Q1-E3-D2-A2-M3-K2

<u>Segment</u>	<u>Description</u>
A	Segment A begins at the location of the existing Kress Substation, adjacent to and west of County Road (CR) 10, an existing 69-kV, and an existing 115-kV transmission line. It is approximately 5,582 feet north of Farm-to-Market Road (FM) 145 in Swisher County. The segment traverses south for approximately 192 feet and then west for approximately 2,414 feet crossing the southern edge of two small playa lakes. The segment then turns south for approximately 10,567 feet, crossing and then roughly paralleling the east side of an unnamed road, crossing FM 145 and an existing 69-kV transmission line, and traversing near a water tower approximately 1,700 feet south of FM 145. Approximately 1,700 feet north of CR BB the segment turns east for approximately 3,829 feet, crossing an existing 115-kV transmission line. At this point the segment turns south for approximately 1,535 feet, crossing CR BB. The segment turns east for approximately 2,670 feet roughly paralleling the south side of CR BB, and crossing an unnamed road before terminating at a point southeast of the CR 11 and CR BB intersection. The termination point of Segment A is the intersection of Segments A, J, and N.
A2	Segment A2 begins at the intersection of Segments A2, D2, and G2 located

	<p>southeast of the CR X and CR 60 intersection. The segment traverses southwest for approximately 198 feet, crossing CR X and then turns south for approximately 2,359 feet, roughly paralleling the west side of CR X. At this point the segment turns west for approximately 2,613 feet roughly paralleling the north side of CR 65, tapping into the existing Plainview North Substation, crossing an existing 69-kV transmission line and Date Street. The segment turns south, just west of the existing Plainview North Substation, for approximately 91 feet, crossing CR 65 and an existing pipeline, before terminating at a point southwest of the CR 65 and Date Street intersection, west of an existing 69-kV transmission line, and just south of an existing pipeline. The termination point of Segment A2 is the intersection of Segments A2, L2, and M3.</p>
B	<p>Segment B begins at the location of the existing Kress Substation, adjacent to and west of CR 10, an existing 69-kV transmission line, an existing 115-kV transmission line, and approximately 5,582 feet north of FM 145 in Swisher County. The segment traverses south for approximately 112 feet before crossing CR 10, then proceeds east for approximately 2,125 feet roughly paralleling the north side of an unnamed road and an existing 69-kV transmission line. The segment turns south roughly paralleling the east side of an unnamed road and a property boundary for approximately 5,440 feet, crossing an unnamed road, an existing 69-kV transmission line, an existing pipeline, an unnamed road, and FM 145. At this point the segment turns east for approximately 1,831 feet roughly paralleling the south side of FM 145, crossing CR 11 before terminating at a point southeast of the FM 145 and CR 11 intersection. The termination point of Segment B is the intersection of Segments B, J, and K.</p>
C	<p>Segment C begins at the location of the existing Kress Substation, adjacent to and west of CR 10, an existing 69-kV transmission line, an existing 115-kV transmission line, and approximately 5,582 feet north of FM 145 in Swisher County. The segment crosses CR 10 for approximately 151 feet and then traverses north for approximately 3,117 feet roughly paralleling the east side of CR 10 and an existing 115-kV transmission line, crossing an unnamed road. The segment turns east for approximately 5,241 feet, roughly paralleling the south side of an unnamed road and an existing 115-kV transmission line, crossing two unnamed roads. At this point the segment traverses northeast for approximately 1,382 feet, roughly paralleling the south side of an existing 115-kV transmission line, crossing CR 11. The segment then proceeds east for approximately 5,198 feet, roughly paralleling the south side of CR Y and an existing 115-kV transmission line, crossing an unnamed road and south of Swisher County Substation. The segment traverses northeast for approximately 739 feet, crossing an existing 230-kV transmission line, CR 12 and CR Y. At this point the segment proceeds east for approximately 4,269 feet, crossing a playa lake that overlaps a National Wetland Inventory (NWI) wetland area. The segment turns south for approximately 4,369 feet, crossing CR Y for the second time, then roughly paralleling the west side of Interstate 27 and crossing one unnamed road. The segment then turns southeast for approximately 7,004 feet, roughly paralleling the west side of Interstate 27, crossing CR Z, an existing 69-kV transmission line, and an existing pipeline. The segment turns south for approximately 137 feet crossing FM 145 before terminating at a point southwest of the Interstate 27 and FM 145 intersection. The termination point of Segment C is the intersection of Segments C, K, and O.</p>
D2	<p>Segment D2 begins at the intersection of Segments D2, E3, and J2 located southeast of the CR X and CR 55 intersection, and just east of an existing 69-kV transmission line. The segment traverses south approximately 2,649 feet, roughly paralleling the east side of CR X and an existing 69-kV transmission line,</p>

	crossing an existing pipeline and CR 60, before terminating at a point southeast of the CR X and CR 60 intersection. The termination point is the intersection of Segments A2, D2, and G2.
E1	Segment E1 begins at the intersection of Segments E1, T, and V located northwest of the CR CC and US Highway 87 intersection. The segment traverses southeast for approximately 955 feet, roughly paralleling the west side of CR DB and Interstate 27, crossing CR CC and an unnamed road. The segment then proceeds southeast for approximately 4,841 feet, roughly paralleling the west side of CR DB and Interstate 27, crossing an existing pipeline and an unnamed road. The segment turns northeast for approximately 547 feet, crossing CR DB, Interstate 27 and the Santa Fe Railway. The segment then proceeds southeast for approximately 317 feet, roughly paralleling the east side of Interstate 27 and the Santa Fe Railway, and crossing CR DD. The segment then traverses to the east for approximately 3,911 feet, roughly paralleling the south side of CR DD, and crossing CR 16 before terminating at a point southwest of the CR DD and CR 16 intersection. The termination point of Segment E1 is the intersection of Segments E1, S1, and V2.
E3	Segment E3 begins at the intersection of Segments E3, H1, and Q1 located northeast of the CR 40 and Xray Road intersection. The segment traverses south for approximately 5,307 feet, roughly paralleling the east side of an unnamed road for a short distance until the road ends, crossing CR 40, an unnamed road, the eastern edge of a small playa lake that overlaps with an NWI wetland area, FM 3183, and an existing 69-kV transmission line. Starting where Xray Road reappears at its intersection with FM 3183, the segment roughly parallels the west side of Xray Road for approximately 2,797 feet. The segment turns west for approximately 2,558 feet before terminating at a point southeast of the CR X and CR 55 intersection, and just east of an existing 69-kV transmission line, which is the intersection of Segments D2, E3, and J2.
G2	Segment G2 begins at the intersection of Segments G2, H1, and I1 located northeast of the CR 40 and CR Z intersection. The segment traverses south for approximately 2,798 feet, roughly paralleling the east side of CR Z, crossing FM 788. The segment turns west for approximately 3,721 feet, roughly paralleling the south side of FM 788. The segment then turns south for approximately 2,755 feet roughly paralleling the east side of FM 400, crossing FM 3183. At this point the segment proceeds west for approximately 217 feet, crossing FM 400, then turns south for approximately 1,855 feet, roughly paralleling the west of FM 400. The segments turns east for approximately 139 feet, crossing FM 400, then proceeds south for approximately 2,155 feet, roughly paralleling the east side of FM 400. The segment traverses southwest for approximately 128 feet, crossing FM 400. The segment turns south for approximately 1,262 feet, roughly paralleling the west side of FM 400, and crossing CR 60. The segment then proceeds west for approximately 5,123 feet, roughly paralleling the south side of CR 60, crossing Xray Road and a small playa lake overlapping an NWI wetland area, before terminating at a point southeast of the CR X and CR 60 intersection. The termination point of Segment G2 is the intersection of A2, D2, and G2.
G3	Segment G3 begins at the intersection of Segments G3, M1, and Y located southeast of the CR CC and CR 16A intersection. The segment traverses south for approximately 2,005 feet roughly paralleling the east side of CR 16A, crossing an unnamed road. The segment crosses the intersection of CR DD and CR 16A in a southwesterly direction for approximately 160 feet before termination at a point southwest of the CR 16A and CR DD intersection. The termination point of Segment G3 is the intersection of Segments G3, S1, and Y1.
H1	Segment H1 begins at the intersection of Segments E3, H1, and Q1 located

	northeast of the CR 40 and Xray Road intersection. The segment traverses east for approximately 6,544 feet roughly paralleling the north side of CR 40, crossing an existing pipeline, the north edge of a small playa lake, FM 400, and CR Z, before terminating at a point northeast of the CR 40 and CR Z intersection. The termination point of Segment H1 is the intersection of Segments G2, H1, and I1.
I1	Segment I1 begins at the intersection of Segments I1, I3, and J3 located northwest of the CR 18 and CR EE intersection. The segment crosses CR EE and traverses south for approximately 2,661 feet, entering into Hale County, roughly paralleling the west side of an unnamed road. The segment turns east for approximately 7,968 feet, roughly paralleling the north side of an unnamed road, crossing an unnamed road, and FM 400. At this point the segment turns south for approximately 7,502 feet, crossing an unnamed road, CR 15, and the eastern edge of a playa lake. The segment then traverses southwest for approximately 406 feet, then south for approximately 5,415 feet, crossing CR 25 and CR 35, roughly paralleling the west side of an unnamed road. The segment turns southwest just south of CR 35 for approximately 2,582 feet traversing towards CR Z, crossing an unnamed street. The segment then turns south for approximately 1,993 feet roughly paralleling the east side of CR Z, crossing an existing pipeline, before terminating at a point northeast of the CR 40 and CR Z intersection. The termination point of Segment I1 is the intersection of Segments G2, H1, and I1.
I3	Segment I3 begins at the intersection of Segments I1, I3, and J3 located northwest of the CR 18 and CR EE intersection. The segment traverses west for approximately 3,954 feet roughly paralleling the north side of CR EE, crossing two unnamed roads. The segment turns south crossing CR EE and the western edge of a small playa lake, for approximately 2,328 feet, entering into Hale County. The segment then turns southeast for approximately 356 feet and proceeds south for approximately 2,372 feet, roughly paralleling the east side of an unnamed road. The segment traverses southeast for approximately 390 feet, crossing an existing 69-kV transmission line and CR 15. At this point the segment proceeds south for approximately 3,655 feet, roughly paralleling the west side of CR X and an existing 69-kV transmission line, crossing a small playa lake overlapping an NWI wetland area, an unnamed road, and CR 20, before terminating at a point southwest of the CR 20 and CR X intersection. The termination point of Segment I3 is the intersection of Segments I3, Q1, and Y1.
J	Segment J begins at the intersection of Segments B, J, and K located southeast of the FM 145 and CR 11 intersection. The segment traverses south for approximately 6,657 feet, roughly paralleling the east side of CR 11. The segment then crosses CR BB before terminating at a point southeast of the CR 11 and CR BB intersection. The termination of Segment J is the intersection of Segments A, J, and N.
J2	Segment J2 begins at the intersection of Segments D2, E3, and J2 located southeast of the CR X and CR 55 intersection, and just east of an existing 69-kV transmission line. The segment crosses CR X and an existing 69-kV transmission line and traverses west for approximately 2,654 feet roughly paralleling the south side of CR 55. The segment then turns south for approximately 1,517 feet roughly paralleling the east side of Well Road, crossing an existing pipeline. At this point the segment crosses Well Road and turns southwest for approximately 763 feet. The segment then turns south for approximately 3,226 feet, crossing CR 60, CR 65, and an existing pipeline before terminating at point just south of CR 65, approximately 578 feet west of Date Street and an existing 69-kV transmission line. The termination point of Segment J2 is the intersection of Segments J2, K2, and M3.

J3	Segment J3 begins at the intersection of Segments J3, M1, and N1 located southwest of the CR CC and CR 18 intersection. The segment traverses south for approximately 5,191 feet roughly paralleling the west side of CR 18 before terminating at a point northwest of the CR 18 and CR EE intersection. The termination point of Segment J3 is the intersection of Segments I1, I3, and J3.
K	Segment K begins at the intersection of Segments B, J, and K located southeast of the FM 145 and CR 11 intersection. The segment traverses east for approximately 1,449 feet, then southeast for approximately 2,435 feet roughly paralleling the south side of FM 145. At this point the segment proceeds east for approximately 4,815 feet, roughly paralleling the south side of FM 145, crossing two unnamed roads, an existing 230-kV transmission line, and CR 12. The segment then turns north for approximately 160 feet, and then east for approximately 1,220 feet, roughly paralleling the north side of FM 145. At this point the segment turns south for approximately 160 feet and then proceeds east for approximately 6,551 feet, roughly paralleling the south side of FM 145, crossing CR BB, a playa lake, the north edge of an NWI wetland area and CR 13, before terminating at a point southwest of the Interstate 27 and FM 145 intersection. The termination point of Segment K is the intersection of Segments C, K, and O.
K2	Segment K2 begins at the intersection of Segments J2, K2, and M3 located just south of CR 65, approximately 578 feet west of Date Street and an existing 69-kV transmission line. The segment traverses in a slight southwesterly direction for approximately 626 feet. The segment then turns south for approximately 7,120 feet, crossing CR 70/Arbor Street, FM 1767, East 32 nd Street, Smith Street, an NWI wetland area and the western edge of a playa lake. The segment then turns southeast and continues for approximately 422 feet, crossing an existing 69-kV transmission line and 24 th Street in a southeasterly direction before terminating at the proposed Kiser Substation, adjacent to and south of 24 th Street, 249 feet west of FM 400, and 75 feet south of an existing 69-kV transmission line in the City of Plainview in Hale County.
L2	Segment L2 begins at the intersection of A2, L2, and M3 located southwest of the CR 65 and Date Street intersection, west of an existing 69-kV transmission line, and just south of an existing pipeline. The segment traverses southwest for approximately 204 feet where it meets up with an existing 69-kV transmission line and continues south for approximately 7,636 feet as an existing 69-kV transmission line overbuild, roughly paralleling the west side of Date Street, crossing CR 70/Arbor Street, FM 1767, East 32 nd Street, and Smith Street. The segment proceeds south, departing the existing 69-kV transmission line, for approximately 116 feet, crossing East 24 th Street, before terminating at the proposed Kiser Substation, adjacent to and south of 24 th Street, 249 feet west of FM 400, and 75 feet south of an existing 69-kV transmission line in the City of Plainview in Hale County.
L3	Segment L3 begins at the intersection of Segments L3, O2, and P located just west of Interstate 27, approximately 586 feet north of Old Cemetery Road/CR BB and approximately 513 feet east of CR 14. The segment traverses southeast for approximately 1,055 feet roughly paralleling the west side of Interstate 27, crossing Old Cemetery Road/CR BB, before terminating at a point just west of Interstate 27, approximately 296 feet south of Old Cemetery Road/CR BB, and approximately 1,132 feet east of CR 14. The termination point of Segment L3 is the intersection of Segments L3, N2, and V.
M1	Segment M1 begins at the intersection of Segments G3, M1, and Y located southeast of the CR CC and CR 16A intersection. The segment traverses east for approximately 10,458 feet roughly paralleling the south side of CR CC,

	crossing an existing pipeline, an unnamed road, an existing 69-kV transmission line, CR 17, and a second unnamed road before terminating at a point southwest of the CR CC and CR 18 intersection. The termination point of Segment M1 is the intersection of Segments J3, M1, and N1.
M2	Segment M2 begins at the intersection of Segments M2, O, and O2 located southwest of the Interstate 27 and CR 14 intersection. The segment traverses in a northeasterly direction for approximately 486 feet, crossing Interstate 27, an existing pipeline, and the Canadian River Municipal Water Authority (CRMWA) Aqueduct. The segment proceeds east for approximately 3,147 feet roughly paralleling the south side of 8 th Street/CR AA2, crossing CR 14A. The segment then turns south and proceeds slightly southeast for approximately 1,528 feet, roughly paralleling the west side of US Highway 87, crossing the Rock Draw wastewater affluent canal before terminating at a point just west of U.S. Highway 87 and approximately 464 feet north of Old Cemetery Road/CR BB. The termination of Segment M2 is the intersection of Segments M2, N2, and P2.
M3	Segment M3 begins at the intersection of Segments J2, K2, and M3 located just south of CR 65, approximately 578 feet west of Well Road and an existing 69-kV transmission line. The segment traverses east for approximately 529 feet roughly paralleling the south side of CR 65 and an existing pipeline, before terminating at a point southwest of the CR 65 and Well Road intersection, west of an existing 69-kV transmission line, and just south of an existing pipeline. The termination point of Segment M3 is the intersection of Segments A2, L2, and M3.
N	Segment N begins at the intersection of Segments A, J, and N located southeast of the CR 11 and CR BB intersection. The segment crosses to the north side of CR BB for approximately 602 feet. At this point the segment traverses east for approximately 11,267 feet roughly paralleling the north side of CR BB, crossing a small playa lake that overlaps an NWI wetland area, an existing 230-kV transmission line and CR 12. The segment turns northeast for approximately 676 feet, to avoid a small playa lake overlapping an NWI wetland area, continuing to roughly parallel the north side of CR BB. The segment then proceeds east for approximately 894 feet before terminating at a point northwest of the CR BB and CR 13 intersection. The termination of Segment N is the intersection of Segments N, P, and T.
N1	Segment N1 begins at the intersection of Segments N1, T2, and W located approximately 367 feet south of CR AA and approximately 2,569 feet east of CR 16. The segment traverses east for approximately 10,311 feet, crossing the bend in CR AA, and continues east roughly paralleling the north side of CR AA, crossing an existing 69-kV transmission line, CR17, and an existing pipeline. At this point the segment turns south for approximately 10,687 feet, roughly paralleling the west side of CR 18, crossing CR AA, CR BB, an unnamed road and CR CC before terminating at a point southwest of the CR CC and CR 18 intersection. The termination of Segment N1 is the intersection of Segments J3, M1, and N1.
N2	Segment N2 begins at the intersection of Segments L3, N2, and V located just west of Interstate 27, approximately 296 feet south of Old Cemetery Road/CR BB, and approximately 1,132 feet east of CR 14. The segment crosses Interstate 27 in a northeasterly direction for approximately 394 feet and then traverses east for approximately 480 feet roughly paralleling the south side of Old Cemetery Road/CR BB. At this point the segment turns north for approximately 573 feet roughly paralleling the west side of CR 14A, crossing Old Cemetery Road/CR BB. The segment then turns east for approximately 1,673 feet, crossing CR 14A and the Rock Draw wastewater affluent canal before terminating at a point just west of U.S. Highway 87 and approximately 464 feet

	north of Old Cemetery Road/CR BB. The termination of Segment N2 is the intersection of Segments M2, N2, and P2.
O	Segment O begins at the intersection of Segments C, K, and O located southwest of the Interstate 27 and FM 145 intersection. The segment traverses southeast for approximately 4,335 feet, roughly paralleling the west side of Interstate 27 before terminating at a point southwest of the Interstate 27 and CR 14 intersection. The termination of Segment O is the intersection of Segments M2, O, and O2.
O2	Segment O2 begins at the intersection of Segments M2, O, and O2 located southwest of the Interstate 27 and the CR 14 intersection. The segment traverses southeast for approximately 1,316 feet roughly paralleling the west side of Interstate 27, crossing an existing pipeline, the CRMWA Aqueduct, and CR 14. The segment terminates at a point just west of Interstate 27, approximately 586 feet north of Old Cemetery Road/CR BB, and approximately 513 feet east of CR 14. The termination of Segment O2 is the intersection of Segments L3, O2, and P.
P	Segment P begins at the intersection of Segments N, P, and T located northwest of the CR BB and CR 13 intersection. The segment crosses CR 13 and traverses east for approximately 5,982 feet, crossing an unnamed road, an existing pipeline, the CRMWA Aqueduct, and CR 14. The segment terminates at a point just west of Interstate 27, approximately 586 feet north of Old Cemetery Road/CR BB, and approximately 513 feet east of CR 14. The termination of Segment P is the intersection of Segments L3, O2, and P.
P2	Segment P2 begins at the intersection of Segments M2, N2, and P2 located just west of U.S. Highway 87 and approximately 464 feet north of Old Cemetery Road/CR BB. The segment crosses U.S. Highway 87, the Santa Fe Railway, and an unnamed road for approximately 325 feet. The segment then turns south and proceeds slightly southeast for approximately 464 feet, roughly paralleling the east side of U.S. Highway 87, the Santa Fe Railway, and an unnamed road. At this point the segment turns east for approximately 6,594 feet, roughly paralleling the north side of Old Cemetery Road/CR BB, crossing an unnamed road, and an existing pipeline, before terminating at a point northwest of the CR 16 and Old Cemetery Road/CR BB intersection. The termination of Segment P2 is the intersection of Segments P2, S2, and U2.
Q1	Segment Q1 begins at the intersection of Segments I3, Q1, and Y1 located southwest of the CR 20 and CR X intersection, and just west of an existing 69-kV transmission line. The segment traverses south for approximately 2,543 feet roughly paralleling the west side of CR X and an existing 69-kV transmission line. At this point the segment turns east for approximately 2,753 feet crossing an existing 69-kV transmission line, CR X and Xray Road. The segment then turns south for approximately 7,850 feet roughly paralleling the east side of Xray Road, crossing FM 788 and an unnamed road, before terminating at a point northeast of the CR 40 and Xray Road intersection. The termination of Segment Q1 is the intersection of Segments E3, H1, and Q1.
S1	Segment S1 begins at the intersection of E1, S1, and V2 located southwest of the CR 16 and CR DD intersection. The segment traverses east for approximately 2,354 feet on the south side of CR DD before termination at a point southwest of the CR 16A and CR DD intersection. The termination of Segment S1 is the intersection of Segments G3, S1, and Y1.
S2	Segment S2 begins at the intersection of Segments P2, S2, and U2 located northwest of the CR 16 and Old Cemetery Road/CR BB intersection. The segment traverses north for approximately 4,531 feet roughly paralleling the west side of CR 16, crossing an existing pipeline and the Rock Draw wastewater

	<p>affluent canal. The segment turns slightly northwest for approximately 279 feet and then approximately 294 feet north before terminating at the Kress Rural Substation. The termination of Segment S2 is southwest of the FM 145 and CR 16 intersection.</p>
T	<p>Segment T begins at the intersection of Segments N, P, and T located northwest of the Old Cemetery Road/CR BB and CR 13 intersection. The segment crosses to the east side of CR 13 for approximately 285 feet then traverses south for approximately 5,614 feet, roughly paralleling the east side of CR 13, crossing Old Cemetery Road/CR BB. The segment then turns east for approximately 9,148 feet, roughly paralleling the north side of CR CC, crossing an unnamed road, an existing pipeline, the CRMWA Aqueduct, and CR 14 before terminating at a point northwest of the CR CC and U.S. Highway 87 intersection. The termination of Segment T is the intersection of Segments E1, T, and V.</p>
T2	<p>Segment T2 begins at the intersection of Segments N1, T2, and W located approximately 367 feet south of CR AA and approximately 2,569 feet east of CR 16. The segment traverses south for approximately 4,121 feet, crossing an unnamed road and then roughly paralleling the east side of an unnamed road for a short distance. The segment terminates at a point northeast of the CR BB and CR 16A intersection. The termination of Segment T2 is the intersection of Segments T2, W2, and Y.</p>
U2	<p>Segment U2 begins at the intersection of Segments P2, S2, and U2 located northwest of the CR 16 and Old Cemetery Road/CR BB intersection. The segment crosses Old Cemetery Road/CR BB and traverses south for approximately 1,906 feet, roughly paralleling the west side of CR 16. The segment terminates at a point southwest of the CR 16 and Old Cemetery Road/CR BB intersection. The termination of Segment U2 is the intersection of Segments U2, V2, and W2.</p>
V	<p>Segment V begins at the intersection of Segments L3, N2, and V located just west of Interstate 27, approximately 296 feet south of Old Cemetery Road/CR BB, and approximately 1,132 feet east of CR 14. The segment traverses southeast for approximately 3,584 feet roughly paralleling the west side of Interstate 27. The segment traverses southwest for approximately 1,146 feet, crossing a small playa lake that overlaps an NWI wetland area, then southeast for approximately 1,014 feet to avoid the Interstate 27 and U.S. Highway 87 interchange. The segment terminates at a point northwest of the CR CC and U.S. Highway 87 intersection. The termination of Segment V is the intersection of Segments E1, T, and V.</p>
V2	<p>Segment V2 begins at the intersection of Segments U2, V2, and W2 located southwest of the CR 16 and CR BB intersection. The segment traverses south for approximately 8,712 feet, roughly paralleling the west side of CR 16, crossing two unnamed roads, the eastern edge of a small playa lake, a third unnamed road, and CR DD before terminating at a point located southwest of the CR DD and CR 16 intersection. The termination of Segment V2 is the intersection of E1, S1, and V2.</p>
W	<p>Segment W begins at the Kress Rural Substation located southwest of the FM 145 and CR 16 intersection. The segment traverses east for approximately 1,415 feet paralleling the south side of FM 145 as a 69-kV transmission line overbuild, crossing CR 16. The segment then departs from the existing 69-kV transmission line in a southeasterly direction for approximately 571 feet, crossing the Rock Draw wastewater affluent canal. The segment traverses east for approximately 694 feet roughly paralleling the south side of FM 145 and an existing 69-kV transmission line, crossing an existing pipeline. The segment then turns south for approximately 2,902 feet, crossing CR AA, before terminating at a</p>

	point approximately 367 feet south of CR AA and approximately 2,569 feet east of CR 16. The termination of Segment W is the intersection of N1, T2, and W.
W2	Segment W2 begins at the intersection of Segments U2, V2, and W2 located southwest of the CR 16 and CR BB intersection. The segment crosses CR 16 and traverses east for approximately 2,523 feet roughly paralleling the south side of CR BB, then turns slightly northeast crossing CR BB and CR 16A, before terminating at a point northeast of the CR BB and CR 16A intersection. The termination of Segment W2 is the intersection of Segments T2, W2, and Y.
Y	Segment Y begins at the intersection of Segments T2, W2, and Y located northeast of the CR BB and CR 16A intersection. The segment traverses south for approximately 6,562 feet roughly paralleling the east side of CR 16A, crossing CR CC. The segment terminates at a point southeast of the CR CC and CR 16A intersection. The termination of Segment Y is the intersection of Segments G3, M1, and Y.
Y1	Segment Y1 begins at the intersection of Segments G3, S1, and Y1 located southwest of the CR 16A and CR DD intersection. The segment traverses south for approximately 12,286 feet roughly paralleling the west side of CR 16A/CR W, crossing a small NWI wetland area, an existing pipeline, the Hale County boundary, three unnamed roads, a small playa lake that overlaps an NWI wetland area, and CR 20. At this point the segment turns east for approximately 6,638 feet roughly paralleling the south side of CR 20, crossing CR W. The segment then traverses southeast for approximately 195 feet before terminating at a point southwest of the CR 20 and CR X intersection. The termination of Segment Y1 is the intersection of Segments I3, Q1, and Y1.

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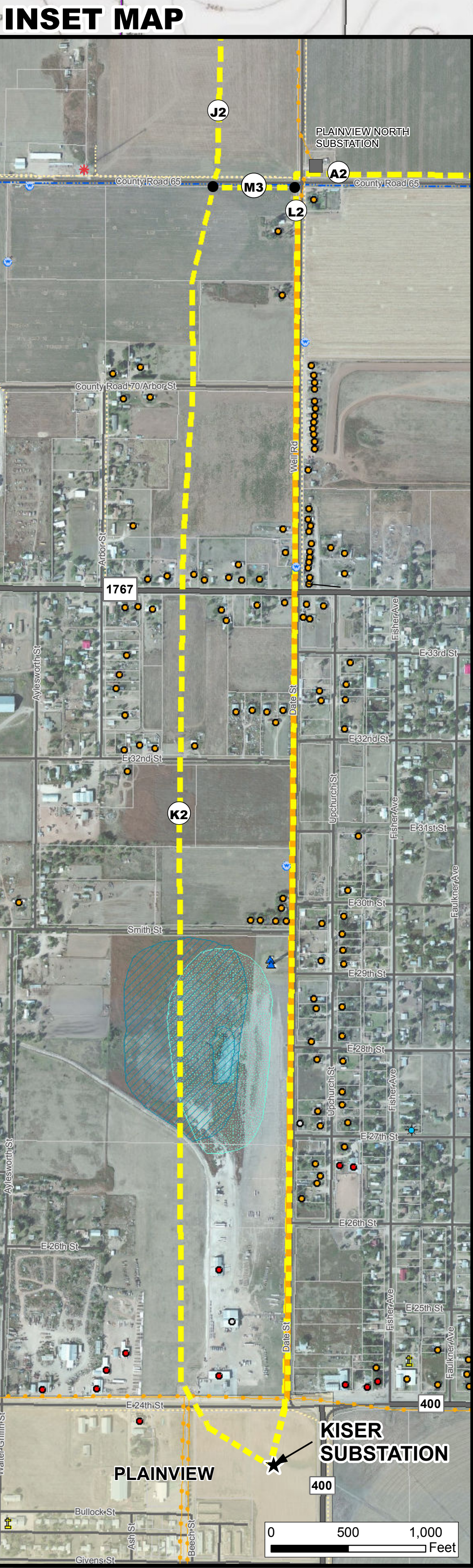


FIGURE 6-1
ALTERNATIVE
ROUTES

Print Date: January 20, 2012

LEGEND
PROJECT FEATURES
★ Proposed Substation Site
--- Study Area Boundary
--- Alternative Route Segment and Label
--- 69-kV Transmission Line Overbuild Double Circuit
• Segment Node

EXISTING UTILITIES
■ Substation
--- 69-kV Transmission Line
--- 115-kV Transmission Line
--- 230-kV Transmission Line
--- Pipeline

LAND USE
+ Airport/Landing Strip
+ Cemetery
+ Church
+ Communication Tower
+ Hazmat Site
+ Historical Marker
+ Oil/Gas Well
+ School
+ Water Tower
+ Water Well
+ Valve/Pump/Meter Station

LAND USE
○ Barn/Shed
• Commercial Structure
• Habitable Structure
• Abandoned Habitable Structure
• Landing Strip
• Cemetery Boundary
• National Register of Historic Places District
• Park
--- Parcel Boundary
--- City Boundary
--- County Boundary

TRANSPORTATION
--- Abandoned Railroad
--- Railroad
--- Interstate
--- US Highway
--- State Highway
--- Farm-to-Market/Ranch Road
--- Local Road
WATER
--- River or Stream
--- Waterbody
--- Playa Lake
--- NWI Wetland

Route	Segment Combination
1	C-O-M2-P2-S2-W-N1-J3-I1-G2-A2-M3-K2
2	B-K-Q-D2-L3-N2-P2-S2-U2-V2-Y-M1-J3-I1-E3-D2-M3-K2
3	B-J-N-P-L3-N2-P2-S2-W-N1-J3-I1-H1-E3-J2-M3-K2
4	A-N-T-E1-S2-U2-V2-S1-Y1-Q1-E3-D2-A2-M3-K2
5	B-J-N-P-L3-V-E1-S2-U2-V2-S1-Y1-Q1-E3-J2-M3-K2
6	B-K-Q-M2-P2-S2-U2-V2-S1-G3-M1-J3-I1-G2-A2-L2
7	C-O-Q2-L3-N2-P2-S2-W-T2-Y-M1-J3-Q1-E3-D2-A2-L2
8	B-J-N-P-L3-N2-P2-S2-U2-V2-Y-M1-J3-I1-G2-A2-L2
9	A-N-T-E1-S2-U2-V2-S1-G3-M1-J3-I1-H1-E3-A3-M3-L2
10	C-M2-P2-S2-U2-V2-Y-G3-Y1-Q1-E3-J2-M3-L2
11	B-J-N-P-L3-N2-P2-S2-U2-V2-S1-Y1-Q1-E3-D2-A2-M3-K2

PROJECT LOCATION

0 2,000 4,000
Feet
0 0.5 1
Miles

Note:
Some legend symbols are enlarged for easier identification.
Sensitive cultural resource data are not shown on this map as these data are not to be reproduced, distributed, or released to the public.
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