Primary Alternative Route	Segment Combination	Primary Alternative Route	Segment Combination	Primary Alternative Route	Segment Combination
1	A-B-G-L-M-P-Q-Q4-V-W-T4-**2-3**-X-J1-A5-L1-P1-T1-V5-D2-**1-7**-K4-T2-U2-MS-V2-X2-C3-H3-I3-J4	11	A-B-G-L-M-P-**2-5**-Q-Q4-V-W-T4-X-J1-A5-L1-P1-T1-W5-**1-8**-V5-D2-K4-J2-Q2-S2-M3-O3-U3-B4-F4-T5-I4	21	D-F-X5-Z5-A6-C6-M-P-Q-R-N4-**2-6**-Q4-V-W-T4-X-J1-A5-L1-P1-T1-W5-**1-8**-E6-U5-U2-W2a-Q5-B3-C3-E3-G3-I3-J4
2	A-B-G-L-M-P-**2-5**-Q-Q4-V-W-T4-X-J1-A5-L1-P1-T1-W5-**1-8**-V5-D2-K4-J2-Q2-S2-Y2-Z2-P5-B3-C3-H3-I3-J4	12	A-B-G-L-M-P-**2-5**-Q-Q4-V-W-T4-X-J1-A5-L1-P1-T1-W5-**1-8**-V5-D2-K4-J2-Q2-S2-M3-O3-U3-B4a-F4a-T5-I4	22	A-B-G-L-M-P-Q-R-N4-**2-6**-Q4-V-W-T4-X-J1-A5-L1-P1-T1-W5-**1-8**-E6-U5-U2-W2a-Q5-B3-C3-E3-G3-I3-J4
3	A-B-G-L-F6-**2-8**-G6-H6-U4-O-D1-G1-F5-D5-M1-O1-**1-6**-N1-L1-A5-J1-X-T4-Y-Z-A1-J5-K5-X2-C3-H3-I3-J4	13	D-F-X5-Z5-A6-C6-M-N-H6-U4-**2-4**-O-D1-G1-R1-L5-U1-V1-W1-Z1-**1-2**-A2-D2-K4-T2-U2-W2-Z2-A3-D3-G3-I3-J4	23	D-E-J-Z5-B6-L-M-N-H6-V4-X4-Z4-**2-7**-D6-C5-D5-E5-G5-Y1-C2-G2-H2-N2-**1-3**-O2-R2-S2-Y2-O5-Q5-A3a-R5-F3-U3-B4a-F4a-T5-I4
4	D-F-Y5-H4-D1-G1-F5-D5-M1-O1-**1-6**-N1-L1-A5-J1-X-T4-W-V-P4-R4-M4-**2-6**-S-Z-A1-I5-K5-X2-C3-E3-G3-I3-J4	14	D-F-X5-Z5-A6-C6-M-N-H6-U4-**2-4**-O-D1-G1-R1-U1a-V1a-G5-Z1-**1-2**-A2-D2-K4-T2-U2-W2a-Q5-A3a-D3a-G3-I3-J4	24	D-E-J-Z5-B6-L-M-N-H6-V4-X4-Z4-**2-7**-D6-C5-D5-E5-G5-Y1-C2-G2-H2-N2-**1-3**-O2-R2-S2-Y2-Z2-A3-F3-U3-B4-F4-T5-I4
5	A-C-HC1-E1-**2-2**-H1-K1-B5-L1-P1-T1-W5-**1-8**-E6-B1-A1-J5-K5-X2-C3-H3-I3-J4	15	D-E-K-S4-C6-M-N-H6-U4-**2-4**-O-D1-G1-R1-L5-U1-**1-1**-B2-K2-N3-A4-E4-G4-J4	25	D-E-K-L4-**2-6**-N4-R-Q4-V-W-T4-X-J1-A5-L1-P1-T1-V5-D2-**1-7**-K4-T2-U2-W2-Z2-P5-B3-C3-E3-G3-I3-J4
6	D-F-X5-Z5-A6-C6-M-N-H6-U4-**2-4**-O-D1-G1-R1-L5-B2-E2-**1-4**-F2-G2-H2-I2-J2-T2-U5-B1-A1-J5-K5-X2-C3-H3-I3-J4	16	D-F-X5-Z5-A6-C6-M-P-Q-Q4-V-W-T4-X-W4-I1-H1-E1-**2-2**-F1-G1-R1-L5-B2-K2-J3-M2-**1-5**-K3-P2-R2-S2-Y2-O5-Q5-A3a-R5-F3-U3-B4-F4-T5-I4	26	D-E-K-L4-**2-6**-N4-R-Q4-V-W-T4-X-J1-A5-L1-P1-T1-V5-D2-**1-7**-K4-T2-U2-W2a-Q5-B3-C3-E3-G3-I3-J4
7	D-E-J-Z5-B6-L-M-P-Q-R-O4-T-**2-1**-U-W-T4-X-J1-A5-L1-P1-Q1-**1-6**-T1-V5-D2-K4-T2-U2-N5-V2-X2-C3-E3-G3-I3-J4	17	D-F-Y5-H4-C1-E1-**2-2**-H1-K1-C5-M1-O1-S1-Y1-C2-G2-H2-N2-**1-3**-O2-P2-L3-O3-U3-A4-E4-H4-I4	27	D-F-X5-Z5-A6-C6-M-P-Q-R-N4-**2-6**-N4-R-Q4-V-W-T4-X-J1-A5-L1-P1-T1-V5-D2-**1-7**-K4-T2-U2-W2-Z2-P5-B3-C3-H3-I3-J4
8	D-E-K-L4-**2-6**-N4-R-Q4-V-W-T4-X-J1-A5-L1-P1-T1-V5-D2-K4-J2-I2-N2-**1-3**-O2-P2-L3-O3-U3-A4-E4-H4-I4	18	D-F-X5-Z5-A6-C6-M-P-Q-R-N4-**2-6**-Q4-V-W-T4-X-J1-A5-L1-P1-T1-W5-**1-8**-V5-D2-K4-T2-U2-W2-Z2-P5-B3-C3-E3-G3-I3-J4	28	D-F-X5-Z5-A6-C6-M-P-Q-R-N4-**2-6**-N4-R-Q4-V-W-T4-X-J1-A5-L1-P1-T1-V5-D2-**1-7**-K4-T2-U2-W2a-Q5-B3-C3-H3-I3-J4
9	D-E-K-S4-C6-M-N-H6-V4-X4-Z4-**2-7**-Y4-A5-L1-P1-T1-V5-D2-K4-J2-I2-H2-L2-**1-5**-M2-K3-L3-O3-U3-A4-E4-G4-J4	19	D-F-X5-Z5-A6-C6-M-P-Q-R-N4-**2-6**-Q4-V-W-T4-X-J1-A5-L1-P1-T1-W5-**1-8**-V5-D2-K4-T2-U2-W2a-Q5-B3-C3-E3-G3-I3-J4	29	D-F-X5-Z5-A6-C6-M-P-Q-R-N4-**2-6**-N4-R-Q4-V-W-T4-X-J1-A5-L1-P1-T1-V5-D2-**1-7**-K4-T2-U2-M5-V2-X2-C3-E3-G3-I3-J4
10	D-F-X5-Z5-A6-C6-M-N-H6-V4-X4-Z4-**2-7**-D6-C5-D5-E5-H5-X1-C2-G2-L2-**1-5**-M2-K3-L3-O3-U3-A4-D4-S5-F4-T5-I4	20	D-F-X5-Z5-A6-S4-L4-**2-6**-N4-R-Q4-V-W-T4-X-J1-A5-L1-P1-T1-W5-**1-8**-V5-D2-K4-J2-Q2-S2-Y2-Z2-P5-B3-C3-H3-I3-J4	30	D-F-X5-Z5-A6-C6-M-P-Q-R-N4-**2-6**-N4-R-Q4-V-W-T4-X-J1-A5-L1-P1-T1-V5-D2-**1-7**-K4-T2-U2-N5-V2-X2-C3-H3-I3-J4
				31	D-F-X5-Z5-A6-C6-F6-**2-8**-F6-M-P-Q-Q4-V-W-T4-X-J1-A5-L1-P1-T1-V5-D2-**1-7**-K4-J2-Q2-S2-Y2-Z2-P5-B3-C3-E3-G3-I3-J4

Note: Sensitive cultural and biological resource data are not shown on this map as these data are not to be reproduced, distributed, or released to the public

Some data layers including property boundaries, pipelines, railroads, and oil/gas well sites obtained from third-party sources are inaccurate to varying degrees. These data have not been corrected and should be used as a general guide to feature locations only. Digitization of initial preliminary transmission line segments was performed based on aerial interpretation of these features.

Some legend symbols are enlarged for easier identification.

Once an alternative route is selected and approved by the Commission, the represented centerline is subject to modification after access has been granted and on the ground surveys have been completed to identify unknown constraints or the extent of known constraints.

Land parcel boundaries: Williamson County Appraisal District, February 2016; Basemap: Source: US National Park Service
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Leander Substation (PEC)

Substation 2 Siting Area

Substation 1 Siting Area

Blockhouse Substation

Whitestone Substation

LEANDER TO ROUND ROCK
138-KV TRANSMISSION LINE ADDITION

Figure 4-27
Primary Alternative Routes

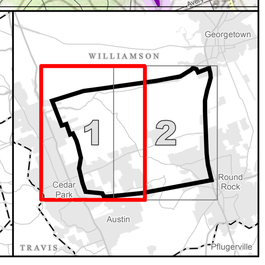
4/6/2016

0 0.1 0.2 0.3 0.4 0.5 Miles
0 800 1,600 2,400 3,200 4,000 Feet

Project Components
- Study Area Boundary
- Substation Siting Area
- ERCOT Approved Project Endpoint
- Substation Alternative
- Primary Segment and Node

Utilities
- Existing Substation
- Existing 138-kV Transmission Line

Transportation
- Interstate Highway
- US Highway
- Toll Road
- State Highway
- Farm to Market Road
- County Road
- Major Road
- Local Road
- Proposed Road
- Railroad
- Airstrip
- Heliport
- Airstrip

Land Use
- Habitable Structure within 300 Feet of a Primary Segment
- School
- Cemetery
- Place of Worship
- Communication Tower
- Water Tower
- Water Well
- Texas Historical Marker
- Pipeline (Natural Gas)
- Pipeline (Wet Utilities)
- Trail
- Parcel Boundary
- Apparent Property Boundary
- Park or Recreation Area
- City Boundary
- County Boundary

Surface Water
- Inundation Easement
- Edwards Aquifer Recharge Zone
- Mapped NWI Wetland
- 100 Year Floodplain
- Floodway
- Travis / Williamson Counties Karst Zones