



Control Number: 46718



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PUBLIC UTILITY COMMISSION
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LCRA TSC
TRANSMISSION CONSTRUCTION PROGRESS REPORT
For
September 2017

Public Utility Commission of Texas
Project No. 46718

Utility's Project Number	Project Name	Location (City/County)	Description	Estimated (or Actual) Start Date	Finish Date (Construction Complete)	Date Energized (If Applicable)	Initial Estimated Project Cost (\$)	Final Estimated Project Cost (\$)	Final Actual Project Cost (\$)	% Variance	Percent Complete	Existing Voltage (KV)	Upgraded or New Voltage (KV)	Circuit Length (Miles)	Conductor Type & Size & Bundling	Structure Type(s)	Existing ROW Width (Feet)	Existing ROW Length (Miles)	New ROW Width (Feet)	New ROW Length (Miles)	Rule Section or PUC Control Number
1012504	Wanda - Giddings Transmission Line Overhaul (T137)	Lee/Fayette	Transmission line overhaul, replace poles, cross arms, X-braces and knee braces	5/1/17	6/30/18			\$1,700,000			40	69	69	9.70 mi	3x1-40 "Pangloss"	Wood H Frames	100'	9.70 mi	0	0.00 mi	25 101 (C)(5)(B)
1016566	Blumenthal TL Addition (T637)	Gillespie, Kendall Blanco	Construct a new 138-KV transmission line connecting the new Blumenthal (CTEC) Substation to a tap point on the Kendall - Mountain Top 138-KV transmission line (T-347)	12/7/15	12/31/18		\$21,536,000 T-line, \$3,890,000 Substation \$1,634,000 Tap			0	0	138		14.40 mi	3x1-795 ACSR "Drake"	Poles and H-Frames	0	0.00 mi	100	14.40 mi	43599
1014204	Goldthwaite-Lampasas TL Upgrade (T629/T461/T138)	Lampasas, Mills, San Saba	Rebuild the existing 69 KV transmission lines (T461/T138) to 138 KV with new structures and conductor	3/1/16	11/29/17			\$63,000,000		85	69	138	51.52 mi	Single 795 ACSR "Drake"	Steel H frames and Poles	Varies	51.52 mi	0	0.00 mi	25 101 (C)(5)(B)	
1015995	San Marcos-R Brown - Storm Restoration	Guadalupe	Repair damaged transmission line, T220, due to storm	10/10/16	11/4/16	10/14/16	\$645,000			100	69	69	0.25 mi	3x1-40 "Pangloss"	Primarily Wood H-Frames	CL	0.25 mi	0	0.00 mi	25 83 (D)	
1014854	Lon Hill Nueces Bay TL Maintenance	Nueces	Modify existing transmission line, T437, Lon Hill-Nueces Bay, to meet NESC and LCRA TSC minimum clearances	4/18/16	5/6/16	4/28/16	\$384,243			100	138	138	17.30 mi	3x2-795 ACSR "Drake"	Steel and Concrete Poles	Varies	17.30 mi	0	0.00 mi	25 83 (a)(3)	
1015822	Castillo Substation Addition	Crane, Upton	Modify existing transmission line, T452, Crane LCRA-North McCaskey and T455, Crane LCRA North McCaskey to accommodate substation construction at the new Castillo Substation	3/1/16	9/30/17		\$3,934,493			92	138	138	23.17 mi	3x2-795 ACSR "Drake"	Steel and Concrete Poles	CL & 80'	23.17 mi	0	0.00 mi	25 101 (C)(5)(A)	
1016048	Castillo-SP-TX-123 TL Add	Crane, Upton	Extend a tie-in line from Castillo Substation to SP-TX-128 to accommodate construction at the new Castillo Substation	3/1/16	6/30/17	5/31/17	\$1,500,000			100	138	138	0.99 mi	3x1-795 ACSR "Drake"	Steel and Concrete Poles	0	0.00 mi	100	0.99 mi	25 101 (C)(5)(A)	
1015684	Schneeman Draw Sub Addition	Crocket	Modify existing transmission line T21421, Bakersfield-Big Hill to accommodate substation construction at the new Schneeman Draw Substation	4/1/16	4/30/16	6/11/17	\$8,690,000			100	345	345	0.1 mi	3x2-795 ACSR "Drake"	Steel Poles	Varies	0.1 mi	0	0.00 mi	25 101 (C)(5)(A)	
1015208	Zorn-Vinton 345KV TL (CCN - Docket No. 45601)	Guadalupe	Construct a new 345-KV transmission line to provide a transmission point of interconnection between Central Texas and San Antonio area	8/1/16	5/30/19		T-Line \$43.28-55.11 M Substation \$7,905,000			0			345	18 - 24 mi	3x2-559.6 ACSR/TW "Sunrunner"	Steel Poles	Varies	7 - 11 mi		10 - 14 mi	45601
1014910	TXDOT US 83 Relief Route Rio Grande City-La Grulla(T485)	Starr	Modify existing transmission line T485, Rio Grande City-La Grulla, to accommodate road expansion by TXDOT	9/8/17	12/27/17			\$720,000		0	138	138	31.68 mi	3x1-795 ACSR/AW "Drake/AW"	Steel Poles	Varies	31.68 mi	0	0.00 mi	25 101 (C)(5)(B)	
1015830	Bow Wood Substation Addition	McCulloch	Modify existing transmission line, T424, Comanche Switch-Red Creek, and T551, Brown-Twin Buttes to accommodate substation construction at the new Bow Wood Substation	8/1/16	5/30/17	5/5/17	\$2,945,851			100	345	345	T424 71.5 mi T551 88.24 mi	T424 3x2-1590 ACSR "Falcon" T551 3x2-1928 ACSR/TW "CUMBERLAND"	Primarily Steel Lattice Towers	160	T424 71.5 mi T551 88.24 mi	0	0.00 mi	25 101 (C)(5)(A)	
1014447	Lockhart - Luling TL Upgrade (T184)	Caldwell	Rebuild the existing transmission line, T184, Luling - Lockhart, to achieve the full MVA capability of the existing conductor	4/1/17	10/31/17		\$5,530,000			66	138	138	16.90 mi	3x1-795 ACSR/SD "Condor" & 3x1-795 ACSR "Drake"	Wood H-Frames, Steel Poles, Steel Lattice Towers	80-100'	16.90 mi	0	0.00 mi	25 101 (C)(5)(B)	
1014352	Leander - Round Rock TL Addition (CCN)	Williamson	Construct a new 138-KV transmission line to provide a transmission point of interconnection to two load-serving substations	5/3/19	11/20/19		T-Line \$ 87.6 - 89.6 M, Substations \$ 14.9 - 17.4 M			0	0	138	11-22 mi	3x2-795 ACSR "Drake"	TBD Poles and/or H-Frames	0	0.00 mi	Varies, 60-100	11-22 mi	45668	
1013275	Elgin Switch-Sim Gideon-Palge TL OH (T260/T151)	Bastrop/Williamson	Transmission line overhaul, replace poles, cross arms, X-braces, insulators and conductor	8/26/16	4/17/17	4/11/17	\$15,101,304			100	138	138	31.32 mi	3x1-795 ACSR "Drake"	Wood H-Frames & Concrete Poles	100'	31.32 mi	0	0.00 mi	25 101 (C)(5)(B)	
1012407	Luling-Nixon TL OH (T538)	Caldwell, Gonzales, Guadalupe	Transmission line overhaul, replace poles, cross arms, X-braces, insulators and conductor	11/1/16	5/31/17	5/30/17	\$16,600,000			100	69	138 (continue 69 operate)	16.00 mi	3x1-795 ACSR "Drake"	Steel/Concrete Poles	60'	16.0 mi	60'	16.0 mi	25 101 (C)(5)(B)	
1011918	Altam-Giddens TL OH (T113/T544)	Colorado	Transmission line overhaul, replace poles, cross arms, X-braces, insulators and conductor	11/17/16	7/21/17	8/30/17	\$10,544,507			100	69	69	12.38 mi	3x1-795 ACSR "Drake"	Concrete and Steel Poles	Blanket	12.38 mi	0	0.00 mi	25 101 (C)(5)(B)	
1015128	Rincon - Rockport TL Relocate (T473)	Araucario	Modify existing transmission line, T473, Rincon-Rockport, to accommodate substation construction by AEP	12/5/16	3/31/17	3/17/17	\$1,057,500			100	138	138	15.10 mi	3x1-795 ACSR/AW "Drake"	Steel poles	Unknown	15.10 mi	0	0.00 mi	25 101 (C)(5)(A)	
1016168	Chappel HB Double Circuit Break-Off Structure - Highway 36 TL OH (T215)	Washington	Replace deteriorated wood pole/structures, add/replace cross-arms, X-braces knee braces and dampers, overhaul line to meet storm hardening requirements, install OPGW, and modify to accommodate substation construction at the Chappel HB Substation	12/29/16	6/30/17	5/30/17	\$1,296,000			100	138	138	9.10 mi	3x1-795 kcmil ACSR "Drake" 1-Above 52, 1-30' HS	Wood H-frames	75'-85'	3.20 mi	0	0.00 mi	25 101 (C)(5)(B)	
1016180	Briarham North - Chappel HB Double Circuit Break-Off Structure TL OH (T232)	Washington	Replace and overhaul lattice structures as needed to meet storm hardening requirements, install OPGW, and modify to accommodate substation construction at the Chappel HB Substation	1/4/17	7/9/17	6/30/17	\$5,346,000			100	138	138	9.10 mi	3x1-795 kcmil ACSR "Drake"	Lattice steel, concrete poles	80'-132'	5.90 mi	0	0.00 mi	25 101 (C)(5)(B)	
1016221	Cuero Hydro - Luling TL OH (T542)	DeWitt, Gonzales, Caldwell	Rebuild the 10 miles (phase 1) of existing 69 KV transmission line (T542), to 138 KV capable with new structures, conductor, and OPGW	1/15/17	5/31/17	6/2/17	\$9,022,000			100	69	69	53.9 mi	3x1-795 ACSR "Drake" & 3x1-230 ACSR "Quail"	Steel & Concrete Poles	Blanket/Centerville/50' 30'	53.9 mi	0	0.00 mi	25 101 (C)(5)(B)	
1016226	Cuero-Yoakum Gertner Road TL OH (T196)	DeWitt	Replace deteriorated wood pole/structures, add/replace cross-arms X-braces, knee braces and dampers, and install OPGW	1/15/17	5/31/17	5/22/17	\$8,201,713			100	138	138	13.84 mi	3x1-795 ACSR "Drake"	Wood H-Frames & Lattice Towers	100' Centerville	13.84 mi	0	0.00 mi	25 101 (C)(5)(B)	
1014216	Elgin Switch Giffeland Creek TL OH (T421)	Bastrop, Travis, Williamson	Transmission line overhaul, replace poles, cross arms, X-braces, insulators and conductor	1/27/17	5/25/17	6/30/17	\$1,857,309			100	138	138	12.9 mi	3x1-1433.6 ACSR/TW "Merimack"	Wood H-Frames & Steel Single Poles	100'	12.9 mi	0	0.00 mi	25 101 (C)(5)(B)	
1016205	Shadow Glen Circuit Breaker Addition (T574)	Travis	Replace approximately 0.5 miles of OPGW outside of Harris Branch Substation	3/14/17	8/30/17	08/11/17	\$1,788,644			100	138	138	7.76 mi	3x1-795 ACSR "Drake"	Concrete Poles and a Lattice Tower	100'	7.76 mi	0	0	25 101 (C)(5)(B)	
1016215	Georgetown S Circuit Breaker Add (T223)	Williamson	Modify existing transmission line, T223 Georgetown-East-Round Rock (TXU), to accommodate substation construction at the Georgetown South Substation	3/30/17	8/15/17	8/15/17	\$1,374,605			100	138	138	0.1 mi	3x1-795 ACSR "Drake"	Steel Poles	Varies	0.1 mi	0	0	25 101 (C)(5)(A)	
1015455	Upton Circuit Breaker Addition (T441)	Upton	Modify existing transmission line, T441, Benedict-Crane LCRA, to accommodate substation construction at the Upton Substation	3/10/17	8/4/17	8/14/17	\$1,241,839			100	138	138	26.99 mi	3x1-1233.6 ACSR/TW "Yukon"	Steel Poles	80' CL	26.99 mi	80' CL	0.08 mi	25 101 (C)(5)(A)	

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Utility's Project Number	Project Name	Location (City/County)	Description	Estimated (or Actual) Start Date	Finish Date (Construction Campaign)	Date Energized (If Applicable)	Total Estimated Project Cost (\$)	Final Estimated Project Cost (\$)	Final Actual Project Cost (\$)	% Variance	Percent Complete	Existing Voltage (KV)	Upgraded or New Voltage (KV)	Circuit Length (Miles)	Conductor Type & Size & Bundling	Structure Type(s)	Existing ROW Width (Feet)	Existing ROW Length (Miles)	New ROW Width (Feet)	New ROW Length (Miles)	Rule Section or PUC Control Number
1016210	Cushman - Sagin TL Storm Hardening (T309)	Quadeque	Replace twenty (20) transmission line structures on T309 to meet NESC storm hardening requirements	3/1/17	6/30/17	6/28/17		\$2,735,728			100	138	138	1.96 mi	3x1-795 ACSR "Drake" & 3x1-850 # ACSR/TW "Sovereign"	Steel Poles	In city ROW	1.96 mi	0	0.00 mi	25 101 (C)(5)(B)
1015541	Pharr North - Weslaco SW TL Reloc (T478)	Hidalgo	Relocate transmission facilities on T478 to accommodate AEP's expansion of the Pharr North substation	3/15/17	6/30/17	4/28/17		\$609,908			100	138	138	10.45 mi	3x1-795 ACSR "Drake"	Steel Poles	CL	10.45 mi	80	0.04 mi	25 101 (C)(5)(A)
1016207	Smithville - Winchester (T175)	DeWitt, Fayette, Lee	Transmission line overhaul, replace poles, cross arms, X-braces, insulators and conductor	6/1/17	3/30/18			\$10,677,730			25	138	138	14.58 mi	3x1-795 ACSR "Drake"	Steel and Concrete Poles	Varies	14.58 mi	0	0.00 mi	25 101 (C)(5)(B)
1017382	PPP - Lytton Springs Storm Hardening (T255)	Bastrop, Caldwell, Fayette	Modify a number of existing lattice tower structures on T255 to meet storm hardening requirements	4/3/17	6/30/17	6/30/17		\$1,088,000			100	345	345	81.12 mi	3x2-715 # ACSR "Redwing"	Steel Lattice	100'	81.12 mi	0	0.00 mi	25 83(A)(3)
1018195	Sim Olden - Winchester (T815)	Bastrop, Fayette, Lee	Replace deteriorated wood poles/structures, add/replace cross-arms, X-braces, knee braces and dampers	5/15/17	8/17/17	8/17/17		\$3,908,000			100	138	138	14.85 mi	3x2-338 ACSR "Linnet" & 3x1-795 ACSR "Drake"	Wood H-Frames and Concrete Poles	100'	14.85 mi	0	0.00 mi	25 101 (C)(5)(B)
1005486	Sherwood Shores CB Add (T187)	Burnet	Modify existing transmission line, T187, Ferguson-Ceresville, to accommodate substation construction at the Sherwood Shores Substation	7/10/17	10/20/17			\$538,355			50	138	138	21.54 mi	3x1-795 ACSR "Drake"	Steel H-frames and Poles	Varies	21.54 mi	80	N/A	25 101 (C)(5)(A)
1018178	Arco Tap Circuit Breaker Addition (T442)	Crane	Modify existing transmission line, T442, Crane LCRA-Pleasant Farm, to accommodate substation construction at the new Arco Tap Substation	5/3/17	4/10/18			\$1,175,208			49	138	138	24.25 mi	3x1-1233 # ACSR/TW "Tulene"	Steel and Concrete Poles	Varies	24.25 mi	50	N/A	25 101 (C)(5)(A)
1017957	Buchanan - Pittsburg - Structure Replacement (T287)	Udon	Replace one damaged transmission line structure on the T287, Buchanan-Pittsburg transmission line	6/28/17	7/14/17	7/14/17		\$171,000			100	88	88	14.48 mi	3x1-40 "Pangolin"	Steel Poles	100	14.48 mi	0	0.00 mi	25 101 (C)(5)(B)
1018538	Flood Remediation Phase 1 (T485)	Travis	On T485 remove structure #112 concrete pole and replace with two concrete poles	7/5/17	10/28/17			\$387,000			0	138	138	8.21 mi	3x1-795 ACSR "Drake"	Concrete Pole, Steel Pole and a Lattice Tower	100'	8.21 mi	0	0.00 mi	25 101 (C)(5)(B)
1015477	Henne-McCarthy Lane TL Upg (T233)	Cornal, Hayes	Rebuild the existing 138KV transmission line, T233, with new structures and conductor	8/1/17	12/28/17			\$7,353,155			20	138	138	6.6 mi	3x1-850 # ACSR/TW "Sovereign"	Concrete Poles, Steel Pole and a Lattice Tower	100'	6.6 mi	0	0.00 mi	25 101 (C)(5)(B)
1018188	Fayette Power Project 345KV BUS Tie (CCN - Decklet No. 47218)	Fayette	Construct a new single circuit 345-kV bus tie transmission line to increase the bus capacity between the existing Fayette Power Project Yard #1 and Yard #2 substations	3/1/18	5/31/18		T-Line \$11 M, Substations \$3.6 M				0	0	345	0.26 mi	3x2-1580 Kcmil ACSR Falcon	Steel Poles	0	0	100	0.26 mi	47218
1015981	Lincoln Substation Addition (T155)	Lee	Modify existing transmission line, T155 Giddings-Luxington, to accommodate substation construction at the new Lincoln Substation	8/1/17	10/10/17			\$1,181,500			30	138	138	16.24 mi	3x1-795 ACSR "Drake"	Steel Lattice, Steel Pole and Wood H-Frames	Varies	16.24 mi	80	0.4 mi	25 101 (C)(5)(A)
1018925	Atari-Garwood T548 TL Upg (PHB)	Colorado	Structure replacement & addition to meet NESC required clearances for safe distance and system reliability (PHB - GOAB Switch Install)	9/18/17	11/1/17			\$746,316			0	69	69	8.27 mi	Raven ACSR & 1/0 & Single	Wood H-frames, Single Pole Wood DE	10' Centerline	8.27	N/A	N/A	25 101(C)(5)(B)
1017377	Robena-Washier TL OH (T513)	Fayette, Gonzales	Tear-down/rebuild Upgrade to 138-KV capable with OPGW shield wire	8/1/17	12/31/17			\$8,802,782			0	88	88	11.78 mi	3x1-795 ACSR "Drake"	Concrete Poles & Steel Poles	Centerline	11.78 mi	N/A	N/A	25 101(C)(5)(B)
1018548	Clear Springs-Hutte Bolt Tightening (T510)	Quadeque, Caldwell, Hays, Travis, Williamson	Climb and inspect all lattice towers, re-tighten bolts, and install locking mechanisms to prevent bolts from becoming loose or falling off	8/1/17	5/31/18			\$1,200,000			0	345	345	85.19	3x2-850 # ACSR/TW "Sovereign"	Steel Lattice and Steel Poles	100'-200'	85.19	N/A	N/A	25 83(A)(3)
1018730	Fulton-Rockport 69KV TL Restoration (T474)	Aransas	Emergency storm repairs to replace failed hardware	8/31/17	9/31/17	9/5/17		\$1,000,000			100	69	69	7.35	3x1-795 ACSR "Drake"	Steel Poles	Varies	7.35	N/A	N/A	25 101(C)(3)
1017385	Harwood-Waelder TL OH (T145)	Gonzales	Tear down/rebuild Upgrade to 138-KV capable with OPGW shield wire	12/8/17	5/31/18			\$6,884,835			0	69	69	12.39	3x1-795 ACSR "Drake"	Concrete Poles & Steel Poles	Centerline	12.39	N/A	N/A	25 101(C)(5)(B)
1017338	Austrop-Bastrop City Jim Gideon Storm Hardening (T171/T172/T231)	Bastrop, Travis	Replace 24 double-circuit lattice tower structures with 21 steel tower pole structures and 3 lattice dependent towers, install OPGW	12/8/17	5/31/18			\$4,795,575			0	138	138	34.42	3x1-795 ACSR "Drake"	Steel Lattice	125	34.42	N/A	N/A	25 101(C)(5)(B)

AFFIDAVIT OF NOTICE

STATE OF TEXAS

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BEFORE ME, the undersigned authority, on this day personally appeared Larry Hendrix, and being by me duly sworn, upon oath declared that the statements and capacity acted in are true and correct.

"My name is Larry Hendrix. I am an employee of the Lower Colorado River Authority (LCRA). I am over twenty-one years of age and I am competent to make this Affidavit. I have personal knowledge of the facts contained herein and they are true and correct.

In accordance with P.U.C. Proc. Rule 25.83, on September 15, 2017, LCRA Transmission Services Corporation completed a search and mailed notice to:

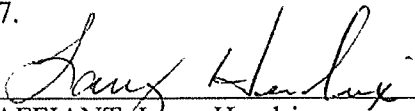
- (a) owners of land crossed by the existing transmission facility to be modified T-145 Harwood Substation to Waelder Substation, 69 kilovolt transmission line.

In accordance with P.U.C. Proc. Rule 25.83, on September 15, 2017, LCRA Transmission Services Corporation mailed by first class mail:

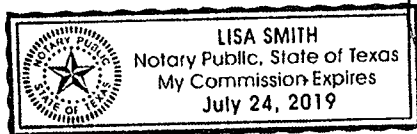
- (b) notice to Guadalupe Valley Electric Cooperative whose certificated service area is crossed by the T-145, 69 kilovolt transmission line.
- (c) notice to Bluebonnet Electric Cooperative whose certificated service area is crossed by the T-145, 69 kilovolt transmission line.

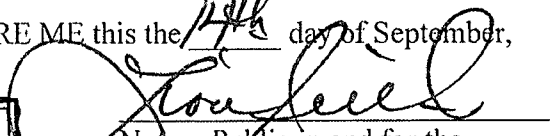
The search for the names of the landowners whose property is crossed by the modified electric transmission facility as described in (a), above, were ascertained by reference maps, and current tax rolls in Gonzales county. The certificated utilities described in (b) above, were ascertained by reference to Public Utility Commission's Certified Electric Service Area Boundary Maps and other available maps.

SIGNED on this the 15th day of September, 2017.


AFFIANT: Larry Hendrix

SWORN TO AND SUBSCRIBED BEFORE ME this the 14th day of September, 2017.




Notary Public in and for the
State of Texas

AFFIDAVIT OF NOTICE

STATE OF TEXAS

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BEFORE ME, the undersigned authority, on this day personally appeared Kennard Bisett, and being by me duly sworn, upon oath declared that the statements and capacity acted in are true and correct.

"My name is Kennard Bisett. I am an employee of the Lower Colorado River Authority (LCRA). I am over twenty-one years of age and I am competent to make this Affidavit. I have personal knowledge of the facts contained herein and they are true and correct.

In accordance with P.U.C. Proc. Rule 25.83, on or before September 15, 2017, LCRA Transmission Services Corporation completed a search and mailed notice to:

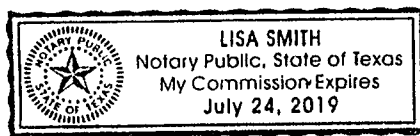
- (a) owners of land crossed by the existing transmission facility to be modified T171, T231, T172 Austrop to Bastrop, 138 kilovolt transmission line.

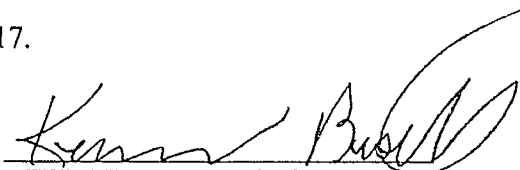
In accordance with P.U.C. Proc. Rule 25.83, on or before September 15, 2017, LCRA Transmission Services Corporation mailed by first class mail:

- (b) notice to Austin Energy whose certificated service area is crossed by the T171, T231, T172 Austrop to Bastrop, 138 kilovolt transmission line.
- (c) notice to Bluebonnet Electric Cooperative whose certificated service area is crossed by the T171, T231, T172 Austrop to Bastrop, 138 kilovolt transmission line.
- (d) notice to City of Bastrop whose certificated service area is crossed by the T171, T231, T172 Austrop to Bastrop, 138 kilovolt transmission line.

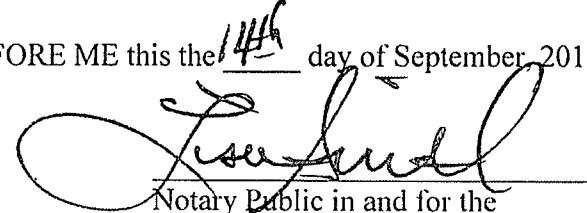
The search for the names of the landowners whose property is crossed by the modified electric transmission facility as described in (a) above, were ascertained by reference maps, and current tax rolls in Travis and Bastrop counties. The certificated utilities described in (b), (c) and (d) above, were ascertained by reference to Public Utility Commission's Certified Electric Service Area Boundary Maps and other available maps.

SIGNED on this the 14th day of September, 2017.




AFFIANT: Kennard Bisett

SWORN TO AND SUBSCRIBED BEFORE ME this the 14th day of September, 2017.


Notary Public in and for the
State of Texas