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Rocco O. D'Ascenzo
Deputy General Counsel

VIA ELECTRONIC FILING

August 7, 2020

Mr. Kent Chandler
Acting Executive Director
Kentucky Public Service Commission
211 Sower Boulevard
Frankfort, Kentucky 40601

Re: Case No. 2019-00251

In the Matter of the Electronic Application of Duke Energy Kentucky, Inc. for a Certificate of Public Convenience and Necessity to Construct a 138 KV Transmission Line and Associated Facilities in Boone County, Kentucky (Oakbrook to AERO Transmission Line Project)

Dear Vice Chairman Chandler:

In accordance with the Commission's December 18, 2019 Order, Paragraph 2 in the above-captioned case, Duke Energy Kentucky, Inc. hereby submits a survey of the final location of the line electronically pursuant to 807 KAR 5:001. All modifications have been finalized and construction will begin shortly. The original copies will be filed with the Commission within 30 days of the lifting of the current state of emergency. I certify that the electronically filed documents are true and accurate copies of the original documents.

Please date-stamp the extra two copies of this letter and return to me in the enclosed envelope.

Respectfully submitted,

/s/Rocco D'Ascenzo

Rocco D'Ascenzo (92796)
Deputy General Counsel
Duke Energy Kentucky, Inc.
139 East Fourth Street, 1303-Main
Cincinnati, Ohio 45202
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Enclosures: As stated

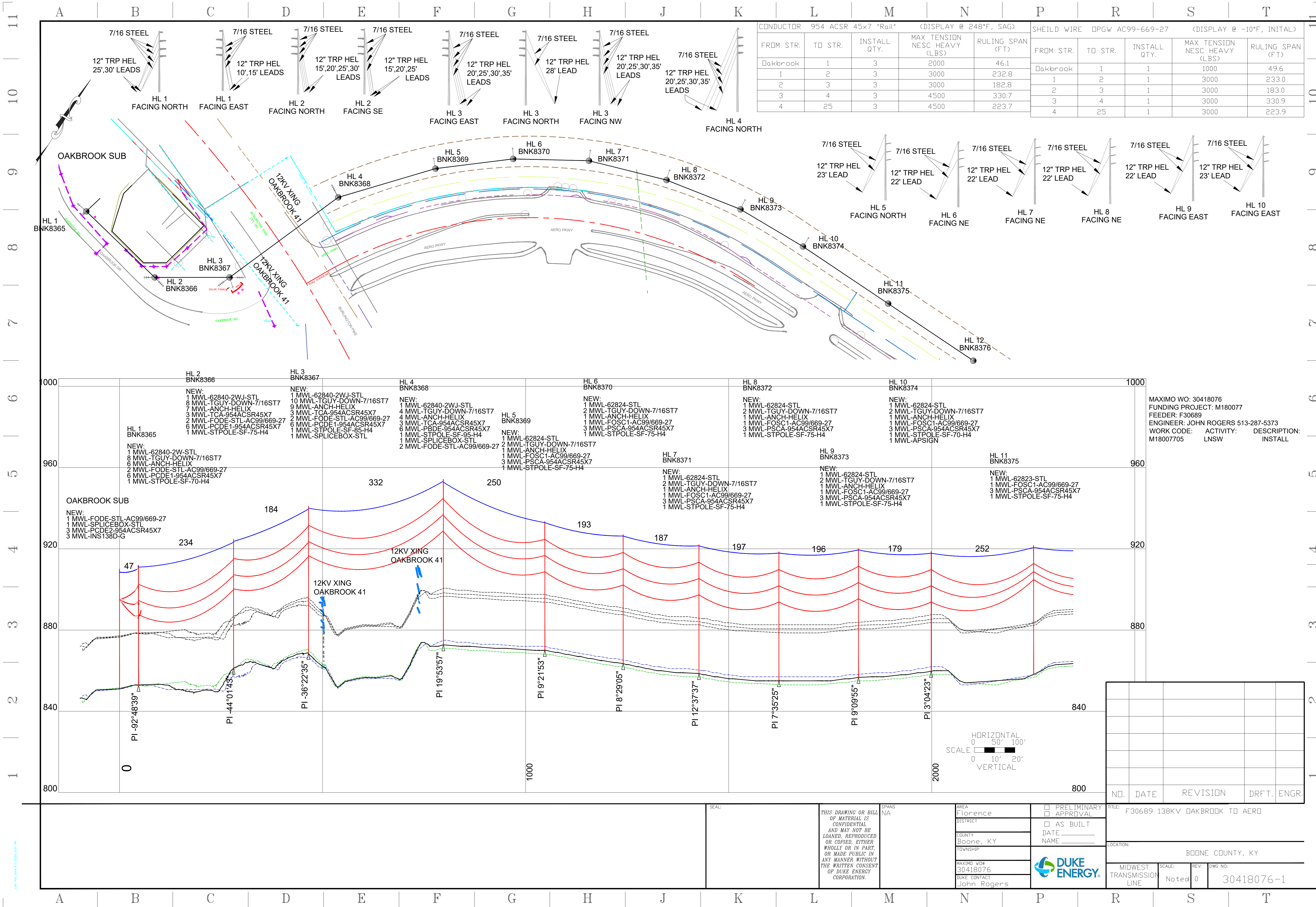
Staking Table
State Plan NAD83: Kentucky North
US Survey Foot

Str #	Span (ft)	Angle (deg)	Stake Description	X Easting (ft)	Y Northing (ft)	Z at XY (ft)	Lead Length (ft)	Pole CL-HT	Burial Depth (ft)	Base Dia (in)	Pole Wgt (lbs)	Const Standard
HL 1	234.14	-92.81	Pole	1517546.1	552775.45	852.743	0	SF-H4-70	11	22.4	2391	62840 2W STL
HL 1	234.14	-92.81	Static/TopPH Anchor	1517516.093	552780.444	851.396	30.42		0	0	0	ANCH-HELIX
HL 1	234.14	-92.81	MidPH/BotPH Anchor	1517521.729	552779.506	851.706	24.71		0	0	0	ANCH-HELIX
HL 1	234.14	-92.81	Static/TopPH Anchor	1517542.433	552761.579	851.631	14.35		0	0	0	ANCH-HELIX
HL 1	234.14	-92.81	MidPH/BotPH Anchor	1517543.641	552766.149	852.065	9.62		0	0	0	ANCH-HELIX
HL 2	184.46	-44.03	Pole	1517776.15	552731.89	861.18	0	SF-H4-75	11.5	23.3	2623	62840 2WJ STL
HL 2	184.46	-44.03	Static/TopPH Anchor	1517754.978	552717.832	857.689	25.41		0	0	0	ANCH-HELIX
HL 2	184.46	-44.03	MidPH Anchor	1517759.035	552720.526	858.27	20.54		0	0	0	ANCH-HELIX
HL 2	184.46	-44.03	BotPH Anchor	1517763.154	552723.261	858.658	15.6		0	0	0	ANCH-HELIX
HL 2	184.46	-44.03	Static Anchor	1517805.251	552726.215	861.968	29.65		0	0	0	ANCH-HELIX
HL 2	184.46	-44.03	TopPH Anchor	1517800.7	552727.103	862.24	25.01		0	0	0	ANCH-HELIX
HL 2	184.46	-44.03	MidPH Anchor	1517795.843	552728.05	862.308	20.06		0	0	0	ANCH-HELIX
HL 2	184.46	-44.03	BotPH Anchor	1517791.071	552728.98	862.235	15.2		0	0	0	ANCH-HELIX
HL 3	332.14	-36.38	Pole	1517930.31	552833.18	868.5	0	SF-H4-85	12.5	25.2	3117	62840 2WJ STL
HL 3	332.14	-36.38	Static Anchor	1517918.369	552799.835	870.379	35.42		0	0	0	ANCH-HELIX
HL 3	332.14	-36.38	TopPH Anchor	1517920.032	552804.479	870.267	30.49		0	0	0	ANCH-HELIX
HL 3	332.14	-36.38	MidPH Anchor	1517921.696	552809.126	870.168	25.55		0	0	0	ANCH-HELIX
HL 3	332.14	-36.38	BotPH Anchor	1517923.363	552813.78	870.129	20.61		0	0	0	ANCH-HELIX
HL 3	332.14	-36.38	Static Anchor	1517960.121	552852.313	865	35.42		0	0	0	ANCH-HELIX
HL 3	332.14	-36.38	TopPH Anchor	1517955.97	552849.649	865.834	30.49		0	0	0	ANCH-HELIX
HL 3	332.14	-36.38	MidPH Anchor	1517951.816	552846.983	866.528	25.55		0	0	0	ANCH-HELIX
HL 3	332.14	-36.38	BotPH Anchor	1517947.655	552844.312	867.022	20.61		0	0	0	ANCH-HELIX
HL 3	332.14	-36.38	Static/MidPH Anchor	1517952.543	552815.492	0	28.41		0	0	0	ANCH-HELIX
HL 4	249.89	19.9	Pole	1518045.633	553144.655	872.75	0	SF-H4-95	13.5	27.1	3649	62840 2WJ STL
HL 4	249.89	19.9	Static Anchor	1518015.731	553162.105	874.565	34.62		0	0	0	ANCH-HELIX
HL 4	249.89	19.9	TopPH Anchor	1518020.077	553159.569	874.881	29.59		0	0	0	ANCH-HELIX
HL 4	249.89	19.9	MidPH Anchor	1518024.401	553157.045	875.202	24.58		0	0	0	ANCH-HELIX
HL 4	249.89	19.9	BotPH Anchor	1518028.716	553154.527	875.598	19.59		0	0	0	ANCH-HELIX
HL 5	192.85	9.36	Pole	1518204.321	553338.118	870.61	3.75	SF-H4-75	11.5	23.3	2623	62824 STL
HL 5	192.85	9.36	Static/MidPh Anchor	1518187.879	553354.502	875.851	26.96		0	0	0	ANCH-HELIX
HL 6	186.69	8.48	Pole	1518351.584	553463.536	864.156	3.75	SF-H4-75	11.5	23.3	2623	62824 STL
HL 6	186.69	8.48	Static/MidPh Anchor	1518338.42	553481.538	869.254	26.05		0	0	0	ANCH-HELIX
HL 7	196.89	12.63	Pole	1518510.612	553562.639	859.219	3.75	SF-H4-75	11.5	23.3	2623	62824 STL
HL 7	196.89	12.63	Static/MidPh Anchor	1518501.013	553582.655	864.545	25.95		0	0	0	ANCH-HELIX
HL 8	195.9	7.59	Pole	1518697.044	553627.968	855.703	3.75	SF-H4-75	11.5	23.3	2623	62824 STL
HL 8	195.9	7.59	Static/MidPh Anchor	1518691.056	553649.541	860.694	26.14		0	0	0	ANCH-HELIX
HL 9	178.97	9.17	Pole	1518889.4	553667.858	857.341	3.75	SF-H4-75	11.5	23.3	2623	62824 STL
HL 9	178.97	9.17	Static/MidPh Anchor	1518886.631	553689.984	862.46	26.05		0	0	0	ANCH-HELIX
HL 10	252.39	3.07	Pole	1519068.593	553675.854	860.394	3.75	SF-H4-70	11	22.4	2391	62824 STL
HL 10	252.39	3.07	Static/MidPh Anchor	1519068.205	553697.773	865.526	25.67		0	0	0	ANCH-HELIX
HL 11	252.46	0	Pole	1519321.043	553669.807	856.881	0	SF-H4-75	11.5	23.3	2623	62823 STL
HL 12	252.46	0	Pole	1519573.492	553667.509	865.524	0	SF-H4-70	11	22.4	2391	62823 STL
HL 13	252.46	0	Pole	1519825.941	553665.211	865	0	SF-H4-75	11.5	23.3	2623	62823 STL

Staking Table
State Plan NAD83: Kentucky North
US Survey Foot

HL 14	252.46	0	Pole	1520078.388	553662.913	872.421	0	SF-H4-70	11	22.4	2391	62823 STL
HL 15	267.01	0	Pole	1520330.837	553660.615	875.344	0	SF-H4-70	11	22.4	2391	62823 STL
HL 16	267.03	0	Pole	1520597.839	553658.184	878.49	0	SF-H4-70	11	22.4	2391	62823 STL
HL 17	240.68	0.23	Pole	1520864.856	553655.753	879.7	0	SF-H4-70	11	22.4	2391	62823 STL
HL 18	205.49	4.56	Pole	1521105.718	553656.35	877.553	3.75	SF-H4-75	11.5	23.3	2623	62824 STL
HL 18	205.49	4.56	Static/MidPh Anchor	1521107.302	553686.268	870.062	33.7		0	0	0	ANCH-HELIX
HL 19	200.08	8.09	Pole	1521310.74	553637.276	876.504	3.75	SF-H4-75	11.5	23.3	2623	62824 STL
HL 19	200.08	8.09	Static/MidPh Anchor	1521315.51	553666.218	869.725	33.38		0	0	0	ANCH-HELIX
HL 20	189.11	3	Pole	1521505.728	553590.824	879.6	3.75	SF-H4-75	11.5	23.3	2623	62824 STL
HL 20	189.11	3	Static/MidPh Anchor	1521512.917	553617.838	875.079	31.7		0	0	0	ANCH-HELIX
HL 21	184.46	0	Pole	1521687.232	553537.395	878.347	3.75	SF-H4-75	11.5	23.3	2623	62824 STL
HL 22	173.98	0	Pole	1521863.122	553481.708	891.824	0	SF-H4-65	10.5	21.4	2167	62823 STL
HL 23	165.9	-5.09	Pole	1522030.018	553432.578	892.9	0	SF-H4-65	10.5	21.4	2167	62823 STL
HL 23	165.9	-5.09	Static/MidPh Anchor	1522025.485	553414.204	889.651	18.92		0	0	0	ANCH-HELIX
HL 24	168.25	-9.8	Pole	1522192.691	553400.032	891.9	0	SF-H4-65	10.5	21.4	2167	62823 STL
HL 24	168.25	-9.8	Static/MidPh Anchor	1522190.568	553381.159	888.636	18.99		0	0	0	ANCH-HELIX
HL 25	72.44	-67.83	Pole	1522360.879	553395.574	889.1	0	SF-H4-70	11	22.4	2391	62840 2WJ STL
HL 25	72.44	-67.83	Static Anchor	1522346.409	553362.458	883.961	36.14		0	0	0	ANCH-HELIX
HL 25	72.44	-67.83	TopPH Anchor	1522348.308	553366.803	884.635	31.4		0	0	0	ANCH-HELIX
HL 25	72.44	-67.83	MidPH Anchor	1522350.205	553371.145	885.306	26.66		0	0	0	ANCH-HELIX
HL 25	72.44	-67.83	BotPH Anchor	1522352.097	553375.476	885.977	21.93		0	0	0	ANCH-HELIX
HL 25	72.44	-67.83	Static Anchor	1522395.219	553394.314	886.109	34.36		0	0	0	ANCH-HELIX
HL 25	72.44	-67.83	TopPH Anchor	1522390.302	553394.494	887.297	29.44		0	0	0	ANCH-HELIX
HL 25	72.44	-67.83	MidPH Anchor	1522385.684	553394.664	888	24.82		0	0	0	ANCH-HELIX
HL 25	72.44	-67.83	BotPH Anchor	1522381.367	553394.822	888.272	20.5		0	0	0	ANCH-HELIX
HL 26	246.87	56.44	Pole	1522389.98	553461.909	885.2	0	SF-H4-75	11.5	23.3	2623	62840 2WJ STL
HL 26	246.87	56.44	Static Anchor	1522404.326	553497.583	880.459	38.45		0	0	0	ANCH-HELIX
HL 26	246.87	56.44	TopPH Anchor	1522402.404	553492.802	881.09	33.3		0	0	0	ANCH-HELIX
HL 26	246.87	56.44	MidPH Anchor	1522400.596	553488.307	881.684	28.45		0	0	0	ANCH-HELIX
HL 26	246.87	56.44	BotPH Anchor	1522398.774	553483.777	882.282	23.57		0	0	0	ANCH-HELIX
HL 26	246.87	56.44	Static Anchor	1522352.193	553456.871	894.71	38.12		0	0	0	ANCH-HELIX
HL 26	246.87	56.44	TopPH Anchor	1522356.928	553457.503	893.515	33.34		0	0	0	ANCH-HELIX
HL 26	246.87	56.44	MidPH Anchor	1522361.671	553458.135	892.318	28.56		0	0	0	ANCH-HELIX
HL 26	246.87	56.44	BotPH Anchor	1522366.422	553458.768	891.119	23.77		0	0	0	ANCH-HELIX

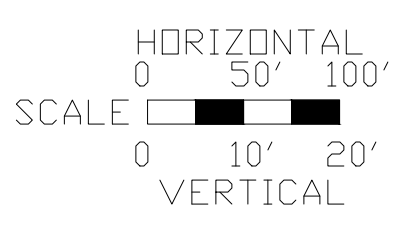
1/9/20 Moved to avoid sewer line JKR.
1/17/2020 2nd move to avoid sewer line JKR.
3/30/2020 3rd move due to Amazon grading changes and FAA requirments



CONDUCTOR 954 ACSR 45x7 "Rail" (DISPLAY @ 248°F, SAG)				
FROM STR.	TO STR.	INSTALL QTY.	MAX TENSION NESC HEAVY (LBS)	RULING SPAN (FT)
Oakbrook	1	3	2000	46.1
1	2	3	3000	232.8
2	3	3	3000	182.8
3	4	3	4500	330.7
4	25	3	4500	223.7

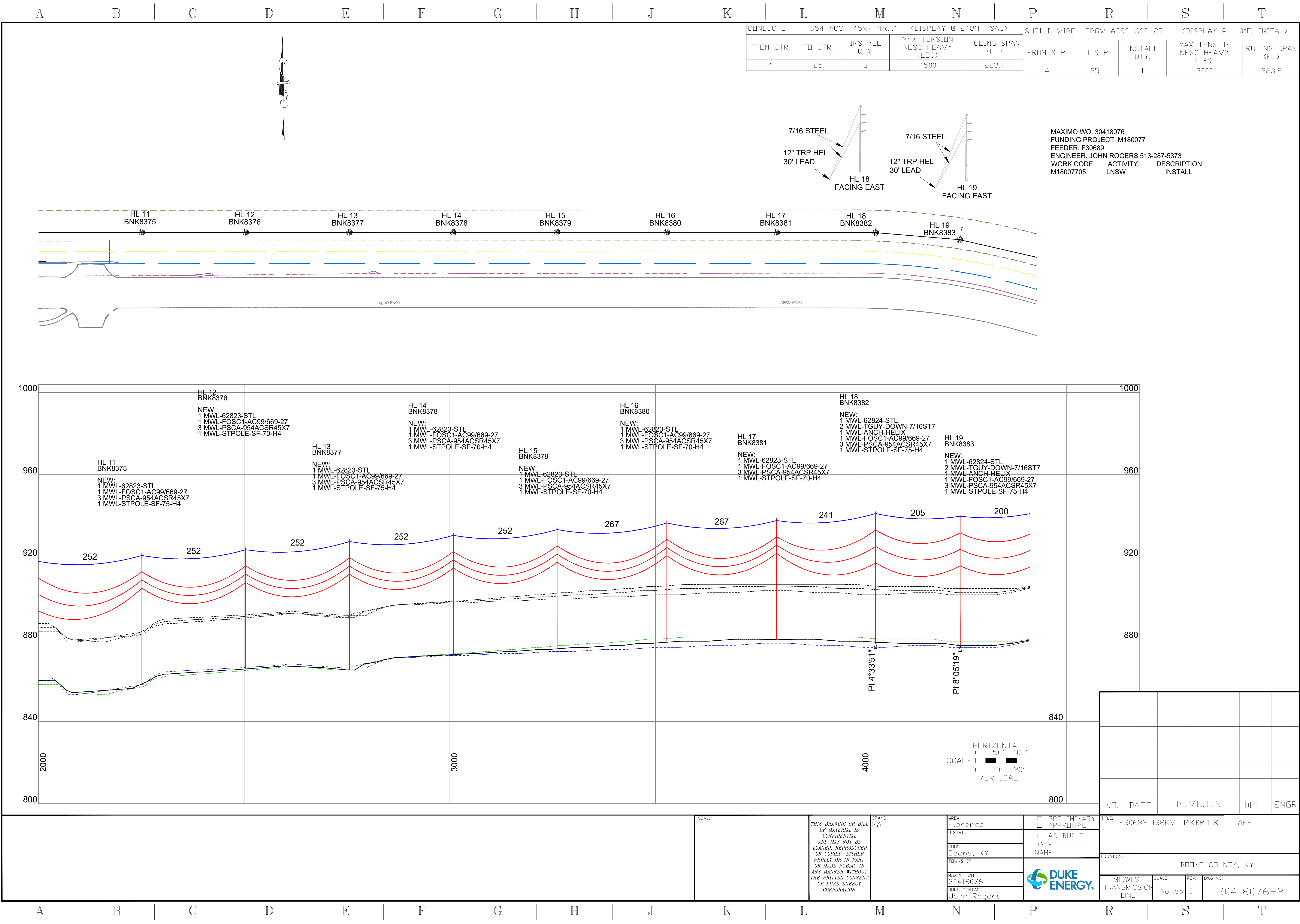
SHEILD WIRE OPGW AC99-669-27 (DISPLAY @ -10°F, INITIAL)				
FROM STR.	TO STR.	INSTALL QTY.	MAX TENSION NESC HEAVY (LBS)	RULING SPAN (FT)
Oakbrook	1	1	1000	49.6
1	2	1	3000	233.0
2	3	1	3000	183.0
3	4	1	3000	330.9
4	25	1	3000	223.9

MAXIMO WO: 30418076
FUNDING PROJECT: M180077
FEEDER: F30689
ENGINEER: JOHN ROGERS 513-287-5373
WORK CODE: M18007705
ACTIVITY: LNSW
DESCRIPTION: INSTALL

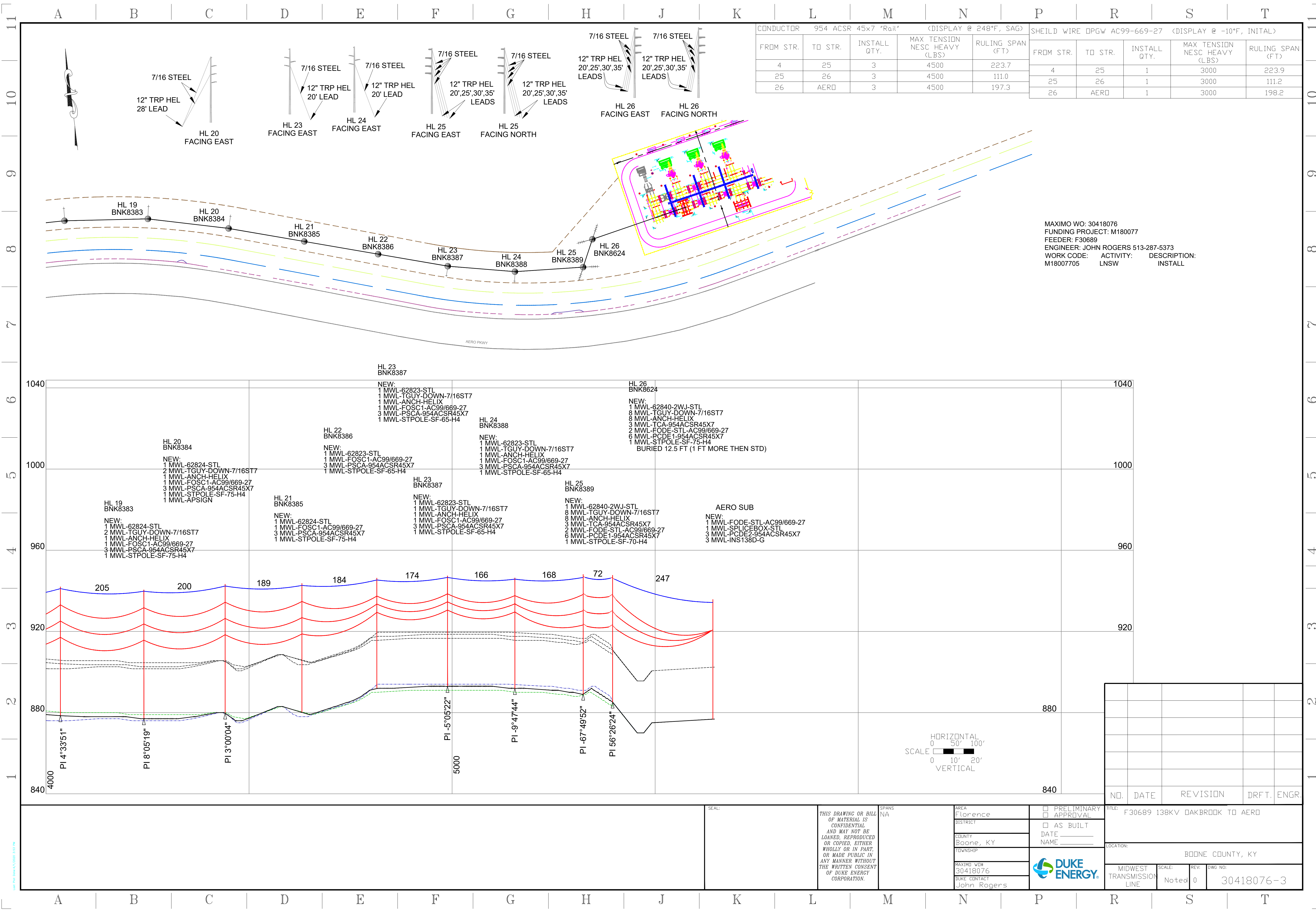


NO.	DATE	REVISION	DRFT.	ENGR.

AREA Florence DISTRICT	☐ PRELIMINARY ☐ APPROVAL	TITLE F30689 138KV OAKBROOK TO AERO
COUNTY Boone, KY	☐ AS BUILT DATE NAME	LOCATION BOONE COUNTY, KY
TOWNSHIP	MAXIMO WO# 30418076 DUKE CONTACT John Rogers	MIDWEST TRANSMISSION LINE
SCALE Noted	REV. 0	DWG NO. 30418076-1



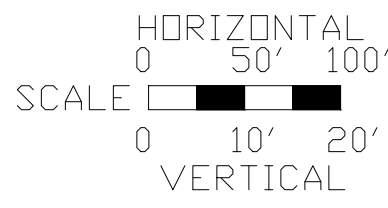
last print 2024-07-22 02:35 PM



CONDUCTOR		954 ACSR 45x7 "Rail"	(DISPLAY @ 248°F, SAG)	
FROM STR.	TO STR.	INSTALL QTY.	MAX TENSION NESC HEAVY (LBS)	RULING SPAN (FT)
4	25	3	4500	223.7
25	26	3	4500	111.0
26	AERO	3	4500	197.3

SHIELD WIRE		DPGW AC99-669-27	(DISPLAY @ -10°F, INITIAL)	
FROM STR.	TO STR.	INSTALL QTY.	MAX TENSION NESC HEAVY (LBS)	RULING SPAN (FT)
4	25	1	3000	223.9
25	26	1	3000	111.2
26	AERO	1	3000	198.2

MAXIMO WO: 30418076
FUNDING PROJECT: M180077
FEEDER: F30689
ENGINEER: JOHN ROGERS 513-287-5373
WORK CODE: M18007705 ACTIVITY: LNSW DESCRIPTION: INSTALL



NO.	DATE	REVISION	DRFT.	ENGR.

TITLE: F30689 138KV OAKBROOK TO AERO	
LOCATION: BOONE COUNTY, KY	
MIDWEST TRANSMISSION LINE	SCALE: Noted
REV: 0	DWG NO: 30418076-3

AREA: Florence	☐ PRELIMINARY
DISTRICT:	☐ APPROVAL
COUNTY: Boone, KY	☐ AS BUILT
TOWNSHIP:	DATE: _____
MAXIMO WO: 30418076	NAME: _____
DUKE CONTACT: John Rogers	

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SEAL:	
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DATE PLOTTED: 08/07/2025 10:51 PM