

INSTALLATION LOCATIONS AND CALCULATED LENGTH FOR 12-WAY DUCTBANK

WK

WEST KELLOGG FREEWAY - MAIZE & TYLER ROAD INTERCHANGES
CITY OF WICHITA PROJECT NUMBER: 472-83533

Final Ductbank & Reference Marker Coordinates established by Allied Laboratories Survey Division, a department of P.E.C.

CL KELLOGG FREEWAY			ITEM DESCRIPTION	LOCATION COORDINATES		ADDITIONAL LOCATION REMARKS	PULL BOX TO PULL BOX	NORTHING DIFF. (m)	EASTING DIFF. (m)	NET LENGTH (m)
STATION	OFF-SET (meters)	SIDE		NORTHING	EASTING					
14+829.97	38.73	LT / N	Pull Box #1 (5001) BEGIN DUCTBANK RUN	511,356.1009	490,833.5977	North of WB Kellogg Drive & just East of 111th St West				
14+906.28	36.93	LT / N	Ref. Marker (6001)	511,356.4432	490,910.1174	Utility Marker: Stamped brass disc in grass north of WB Kellogg Drive	1 to 2	3.5627	162.1362	162.18
14+991.95	37.82	LT / N	Pull Box #2 (5002)	511,359.6636	490,995.7339	North of WB Kellogg Drive				
15+060.45	38.06	LT / N	Ref. Marker (6002)	511,361.9813	491,063.7602	Utility Marker: Stamped brass disc in grass north of WB Kellogg Drive	2 to 3	4.4919	151.1045	151.17
15+144.37	36.10	LT / N	Pull Box #3 (5003)	511,364.1555	491,146.8384	North of WB Kellogg Drive				
15+247.10	40.87	LT / N	Ref. Marker (6003)	511,376.5281	491,247.8526	Utility Marker: Stamped brass disc in grass north of WB Kellogg Drive	3 to 4	26.8409	195.0894	196.93
15+343.29	45.70	LT / N	Pull Box #4 (5004)	511,390.9964	491,341.9278	North of WB Kellogg Drive				
15+422.54	43.11	LT / N	Ref. Marker (6004)	511,398.2307	491,419.9343	Utility Marker: Stamped brass disc in grass north of WB Kellogg Drive	4 to 5	20.5645	156.0349	157.38
15+502.63	44.86	LT / N	Pull Box #5 (5005)	511,411.5609	491,497.9627	North of WB Kellogg Drive & West of Maize Road				
15+578.78	45.34	LT / N	Ref. Marker (6005)	511,424.6331	491,572.0392	Utility Marker: Stamped brass disc in grass north of WB Kellogg Drive	5 to 6	29.1543	151.8060	154.58
15+659.15	46.51	LT / N	Pull Box #6 (5006) Begin South Leg.	511,440.7152	491,649.7687	North of WB Kellogg Drive & East of Maize Road				
15+657.73	18.65	LT / N	Ref. Marker (6032)	511,413.1357	491,653.9208	Utility Marker: Stamped brass disc set in top of inside curb of East Side U-Turn Lane @ Maize Road.	6 to 7	24.9875	129.8007	132.18

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STATION	OFF-SET (meters)	SIDE		NORTHING	EASTING					
15+655.54	28.49	RT / S	Ref. Marker (6033)	511,366.4972	491,661.1198	Utility Marker: Stamped brass disc set in top of inside curb of East Side U-Turn Lane @ Maize Road.				
15+654.46	53.88	RT / S	Pull Box #28 (5028) End of South Leg.	511,341.3926	491,665.0732	Pull Box @ Southeast Corner of Maize Road & EB Kellogg Drive	6 to 28	99.3226	15.3045	100.49
15+730.20	45.16	LT / N	Ref. Marker (6006)	511,454.0115	491,718.6771	Utility Marker: Stamped brass disc in grass north of WB Kellogg Drive				
15+792.90	42.79	LT / N	Pull Box #7 (5007)	511,465.7027	491,779.5694	North of WB Kellogg Drive				
15+855.31	43.43	LT / N	Ref. Marker (6007)	511,481.2684	491,839.2551	Utility Marker: Stamped brass disc in grass north of WB Kellogg Drive	7 to 8	26.8964	103.4633	106.90
15+901.06	43.15	LT / N	Pull Box #8 (5008)	511,492.5991	491,883.0327	North of WB Kellogg Drive				
15+958.35	31.74	LT / N	Ductbank (5030)	511,496.9282	491,940.7097	Ductbank at West End of WB Kellogg Drive Bridge at Cowskin Creek	8 to W. End	4.3291	57.6770	57.84
16+065.00	31.55	LT / N	Ductbank (5032)	511,527.5328	492,041.9169	Ductbank at East End of WB Kellogg Drive Bridge at Cowskin Creek	W. End to E. End	30.6046	101.2072	105.73
16+098.53	43.54	LT / N	Pull Box #9 (5009)	511,549.2043	492,069.7735	North of WB Kellogg Drive	W to 9	21.6715	27.8566	35.29
16+136.24	45.26	LT / N	Ref. Marker (6008)	511,562.6935	492,104.5430	Utility Marker: Stamped brass disc in grass north of WB Kellogg Drive	9 to 10	28.9163	72.8011	78.33
16+177.75	47.33	LT / N	Pull Box #10 (5010)	511,578.1206	492,142.5748	North of WB Kellogg Drive				
16+264.39	46.65	LT / N	Ref. Marker (6009)	511,606.9802	492,223.1032	Utility Marker: Stamped brass disc in grass north of WB Kellogg Drive	10 to 11	55.7353	158.5945	168.10
16+347.89	43.06	LT / N	Pull Box #11 (5011)	511,633.8559	492,301.1691	North of WB Kellogg Drive				

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STATION	OFF-SET (meters)	SIDE		NORTHING	EASTING					
16+396.33	41.82	LT / N	Ref. Marker (6010)	511,651.0468	492,345.8807	Utility Marker: Stamped brass disc in grass north of WB Kellogg Drive	11 to 12	36.5568	88.7036	95.94
16+444.95	42.23	LT / N	Pull Box #12 (5012)	511,670.4127	492,389.8727	North of WB Kellogg Drive, West of Seville Avenue.				
16+551.06	40.19	LT / N	Ref. Marker (6011)	511,712.0397	492,486.4955	Utility Marker: Stamped brass disc in grass north of WB Kellogg Drive	12 to 13	68.9895	155.4274	170.05
16+615.92	40.23	LT / N	Pull Box #13 (5013)	511,739.4022	492,545.3001	North of WB Kellogg Drive, East of Seville Avenue.				
16+691.62	40.37	LT / N	Ref. Marker (6012)	511,771.4166	492,613.8931	Utility Marker: Stamped brass disc in grass north of WB Kellogg Drive	13 to 14	64.1131	136.0050	150.36
16+766.28	41.09	LT / N	Pull Box #14 (5014)	511,803.5153	492,681.3051	North of WB Kellogg Drive				
16+850.79	40.50	LT / N	Ref. Marker (6013)	511,838.5867	492,758.2053	Utility Marker: Stamped brass disc in grass north of WB Kellogg Drive	14 to 15	102.3492	214.2133	237.41
17+003.67	43.67	LT / N	Pull Box #15 (5015)	511,905.8645	492,895.5184	North of WB Kellogg Drive				
17+009.84	42.46	LT / N	Ref. Marker (6014)	511,907.3640	492,901.6215	Utility Marker: Stamped brass disc in grass north of WB Kellogg Drive	15 to 16	30.4081	76.3210	82.16
17+085.70	39.10	LT / N	Pull Box #16 (5016)	511,936.2726	492,971.8394	North of WB Kellogg Drive				
17+145.76	38.43	LT / N	Ref. Marker (6015)	511,960.9648	493,026.5987	Utility Marker: Stamped brass disc in grass north of WB Kellogg Drive	16 to 17	56.0324	120.7765	133.14
17+218.84	39.04	LT / N	Pull Box #17 (5017)	511,992.3050	493,092.6159	North of WB Kellogg Drive				
17+243.10	35.50	LT / N	Ref. Marker (6016)	511,999.3151	493,116.1113	Chiseled "X" in Portland Cement Concrete Pavement in Holland Paving Drive Entrance @ WB Kellogg Drive				

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STATION	OFF-SET (meters)	SIDE		NORTHING	EASTING					
17+306.43	35.18	LT / N	Ref. Marker (6017)	512,025.6965	493,173.6823	Utility Marker: Stamped brass disc set in top-of-curb, north side WB Kellogg Drive, west of Tyler Road				
17+332.77	33.34	LT / N	Ref. Marker (6018)	512,035.1269	493,198.3414	Utility Marker: Stamped brass disc set in Portland cement concrete pavement in southbound lane Tyler Road @ WB Kellogg Drive	17 to 18	73.6672	154.2030	170.90
17+342.12	31.66	LT / N	Ref. Marker (6019)	512,037.5457	493,207.5339	Utility Marker: Stamped brass disc set in Portland cement concrete pavement in southbound lane Tyler Road @ WB Kellogg Drive				
17+366.24	33.26	LT / N	Ref. Marker (6020)	512,049.1531	493,228.7346	Utility Marker: Stamped brass disc set in Portland cement concrete pavement in WB Kellogg Drive @ Tyler Road (south of median island)				
17+389.73	40.89	LT / N	Pull Box #18 (5018) Begin South Leg.	512,065.9722	493,246.8189	East side of Tyler Road, North of WB Kellogg Drive				
17+371.36	0.45	RT / S	Ref. Marker (6034)	512,020.7345	493,247.5752	Utility Marker: Stamped brass disc set in top of inside curb of East Side U-Turn Lane @ Tyler Road.	18 to 31	93.1173	1.7720	93.13
17+352.11	44.31	RT / S	Pull Box #31 (5031) End of South Leg.	511,972.8549	493,248.5909	Pull Box @ Southeast Corner of Tyler Road & EB Kellogg Drive	18 to 19	10.9802	21.9033	24.50

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STATION	OFF-SET (meters)	SIDE		NORTHING	EASTING					
17+897.63	30.67	LT / N	Ref. Marker (6027)	512,213.1731	493,741.3823	Utility Marker: Stamped brass disc set in concrete pavement in north lane of WB Kellogg Drive				
17+915.51	33.89	LT / N	Pull Box #23 (5023)	512,218.8654	493,759.0342	North of WB Kellogg Drive				
17+958.32	33.22	LT / N	Ref. Marker (6028)	512,223.3124	493,802.5725	Utility Marker: Stamped brass disc set behind west radius of entrance drive to Davis-Moore Chevrolet, north of WB Kellogg Drive.	23 to 24	7.9588	93.9801	94.32
18+007.79	32.37	LT / N	Pull Box #24 (5024)	512,226.8242	493,853.0143	North of WB Kellogg Drive				
18+063.61	32.92	LT / N	Ref. Marker (6029)	512,230.4449	493,909.4290	Utility Marker: Stamped brass disc in grass north of WB Kellogg Drive	24 to 25	9.3705	140.0722	140.39
18+147.44	34.67	LT / N	Pull Box #25 (5025)	512,236.1947	493,993.0865	North of WB Kellogg Drive				
18+237.73	34.16	LT / N	Ref. Marker (6030)	512,239.9954	494,083.2967	Utility Marker: Stamped brass disc in grass north of WB Kellogg Drive	25 to 26	13.7728	177.6572	178.19
18+325.41	36.95	LT / N	Pull Box #26 (5026)	512,249.9675	494,170.7437	North of WB Kellogg Drive				
18+388.19	44.44	LT / N	Ref. Marker (6031)	512,257.4467	494,233.0907	Utility Marker: Stamped brass disc set behind west radius @ Holland & WB Kellogg Drive intersection.	26 to 27	24.3819	157.3505	159.23
18+483.89	56.78	LT / N	Pull Box #27 (5027) END OF DUCTBANK RUN	512,274.3494	494,328.0942	North of WB Kellogg Drive, east of Holland (west of Ridge Road)				

3,850.87

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STATION	OFF-SET (meters)	SIDE		NORTHING	EASTING					
17+414.22	41.62	LT / N	Pull Box #19 (5019)	512,076.9524	493,268.7222	North of WB Kellogg Drive				
17+469.87	41.16	LT / N	Ref. Marker (6021)	512,100.0565	493,319.6444	Utility Marker: Stamped brass disc set behind east radius of entrance drive to Gas Station, north side WB Kellogg Drive.	19 to 20	50.1318	122.0984	131.99
17+543.99	38.05	LT / N	Pull Box #20 (5020)	512,127.0842	493,390.8206	North of WB Kellogg Drive				
17+616.39	38.05	LT / N	Ref. Marker (6022)	512,152.8734	493,460.4241	Utility Marker: Stamped brass disc in grass north of WB Kellogg Drive	20 to 21	52.3802	138.5657	148.14
17+688.24	42.57	LT / N	Pull Box #21 (5021)	512,179.4644	493,529.3863	North of WB Kellogg Drive				
17+717.84	43.34	LT / N	Ref. Marker (6023)	512,188.4137	493,558.5031	Utility Marker: Stamped brass disc set behind west radius of McCormick & WB Kellogg Drive.	21 to 22	25.4714	88.8983	92.48
17+778.07	44.99	LT / N	Pull Box #22 (5022)	512,204.9358	493,618.2846	North of WB Kellogg Drive				
17+791.45	41.89	LT / N	Ref. Marker (6024)	512,204.8903	493,632.3893	Utility Marker: Stamped brass disc set in concrete pavement in WB Kellogg Drive, east of McCormick				
17+819.86	40.82	LT / N	Ref. Marker (6025)	512,209.7760	493,661.1975	Utility Marker: Stamped brass disc set in north gutter along WB Kellogg Drive	22 to 23	13.9296	140.7496	141.44
17+827.77	38.16	LT / N	Ref. Marker (6026)	512,208.7179	493,669.6753	Utility Marker: Stamped brass disc set in concrete pavement in north lane of WB Kellogg Drive				

FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	54-87 K-6657-01	2002	632A	1122

ADDENDUM NO. 1:

The following changes and additions shall be made to the plans and proposal. When this addendum conflicts with the specifications, plans, or special provisions, **THIS ADDENDUM SHALL GOVERN.**

Electric Lighting System: The following notes apply.

On the Lighting Plans, where multiple circuits are routed together, a single line has been shown for clarity. Multiple conduits or sleeves or cable in ducts will be required depending on the location and quantity of circuits.

Frontage Road light standards and joint use light standards at Maize and Tyler Road intersections will be maintained by Westar Energy. The contractor shall provide the following pole, mast arm, breakaway base and luminaries for all frontage road light standard including standards mounted on the Cowskin frontage road bridges (2 ea.).

- 37' (11.3 m) Valmont Pole / DS70-950A370-ODGVHFBFCFP-Black
- 8' (2.4 m) Valmont Arm /DS70-8D-GVFP-Black
- Valmont Breakaway Base / M-093 – Black
- 480 volt, 250 Watt Copper Cobra Head / DVZ25SW83E – Black

All frontage road light standards shall be color black.

The Contractor shall confirm the part numbers with the Engineer and Westar Energy before ordering equipment.

Mainline Kellogg light standards will be maintained by the Kansas Department of Transportation. All median barrier mounted and mainline bridge barrier mounted light standards shall be per the plans and specifications except that they shall have a galvanized finish instead of black.

ADDENDUM NO. 2:

The following changes and additions shall be made to the plans and proposal. When this addendum conflicts with the specifications, plans, or special provisions, or Addendum # 1, **THIS ADDENDUM SHALL GOVERN.**

Sheet 632

- Ductbank Detail: Change the overall height of the concrete encasement from 610 mm to 440 mm. It is acceptable to use excavated trench walls to form the duct bank where soil conditions permit rather than the formed ductbank shown. Delete the maximum depth of 762 mm from the top of the ductbank to the top of the trench. Excavatable flowable fill will only be required under pavement where the depth of backfill from the top of the ductbank to the top of the subgrade exceeds 600