BEGIN S WEST STREET GEOMETRIC DATA

Point WEST1 N 1,670,348.0506 E 1,634,134.6643 Sta 73+94.11
Course from WEST1 to WEST3 N 0° 32' 23.23" W Dist 2,605.8868

Point WEST3 N 1,672,953.8218 E 1,634,110.1145 Sta 100+00.00
Course from WEST3 to WEST5 N 1° 12' 14.92" W Dist 2,642.2301

Point WEST5 N 1,675,595.4684 E 1,634,054.5887 Sta 126+42.23
Course from WEST5 to WEST7 N 0° 42' 47.97" W Dist 2,638.8301

Point WEST7 N 1,678,234.0940 E 1,634,021.7365 Sta 152+81.06
Course from WEST7 to WEST10 N 1° 17' 33.76" W Dist 1,320.8990

Point WEST10 N 1,679,554.6568 E 1,633,991.9368 Sta 166+01.96
Course from WEST10 to WEST9 N 1° 12' 52.63" W Dist 1,322.0558

Point WEST9 N 1,680,876.4155 E 1,633,963.9125 Sta 179+24.01

BEGIN PROFILE WEST_P DESCRIPTION

	STATION	ELEV	GRADE	TOTAL L	BACK L	AHEAD L
VPI 1	89+50.00	1,292.66				
VPC	91+00.00	1,292.30	-0.24	K = 147.1		
Low Point	91+35.29	1,292.26				
VPI 2	91+50.00	1,292.18		100.00	50.00	50.00
VPT	92+00.00	1,292.40	0.44			
VPC	100+75.00	1,296.25	0.44	K = 175.4	SSD = 1046.5	
High Point	101+52.19	1,296.42				
VPI 3	101+75.00	1,296.69		200.00	100.00	100.00
VPT	102+75.00	1,295.99	-0.70			
VPC	105+75.00	1,293.89	-0.70	K = 94.3		
VPI 4	106+25.00	1,293.54		100.00	50.00	50.00
Low Point	106+41.04	1,293.66				
VPT	106+75.00	1,293.72	0.36			
VPC	109+75.00	1,294.80	0.36	K = 131.6	SSD = 1469.7	
High Point	110+22.37	1,294.89				
VPI 5	110+25.00	1,294.98		100.00	50.00	50.00
VPT	110+75.00	1,294.78	-0.40			
VPC	112+00.00	1,294.28	-0.40	K = 135.1		
VPI 6	112+50.00	1,294.08		100.00	50.00	50.00
Low Point	112+54.05	1,294.17				
VPT	113+00.00	1,294.25	0.34			
VPC	116+00.00	1,295.27	0.34	K = 128.2	SSD = 1433.3	
High Point	116+43.59	1,295.34				
VPI 7	116+50.00	1,295.44		100.00	50.00	50.00
VPT	117+00.00	1,295.22	-0.44			
VPC	119+25.00	1,294.23	-0.44	K = 129.9		
VPI 8	119+75.00	1,294.01		100.00	50.00	50.00
Low Point	119+82.14	1,294.10				
VPT	120+25.00	1,294.17	0.33			
VPI 9	124+50.00	1,295.58	0.33			
VPC	132+75.00	1,298.71	0.38	K = 129.9	SSD = 1451.3	
High Point	133+24.35	1,298.81				
VPI 10	133+25.00	1,298.90		100.00	50.00	50.00
VPT	133+75.00	1,298.71	-0.39			
VPC	136+50.00	1,297.63	-0.39	K = 126.6		
Low Point	136+99.37	1,297.54				
VPI 11	137+00.00	1,297.44		100.00	50.00	50.00
VPT	137+50.00	1,297.64	0.40			
VPC	139+00.00	1,298.24	0.40	K = 119.0	SSD = 1334.5	
High Point	139+47.62	1,298.34				
VPI 12	139+50.00	1,298.44		100.00	50.00	50.00
VPT	140+00.00	1,298.22	-0.44			
VPC	141+85.00	1,297.41	-0.44	K = 122.0		
VPI 13	142+35.00	1,297.19		100.00	50.00	50.00
Low Point	142+38.66	1,297.29				
VPT	142+85.00	1,297.38	0.38			
VPC	146+50.00	1,298.76	0.38	K = 123.6	SSD = 1383.5	
High Point	146+96.96	1,298.85				
VPI 14	147+00.00	1,298.95		100.00	50.00	50.00
VPT	147+50.00	1,298.74	-0.43			
VPC	148+44.00	1,298.33	-0.43	K = 151.7		
VPI 15	148+94.00	1,298.12		100.00	50.00	50.00
Low Point	149+09.11	1,298.20				
VPT	149+44.00	1,298.24	0.23			
VPI 16	150+63.39	1,298.51	0.23			

BEGIN SOUTHWEST BOULEVARD GEOMETRIC DATA

Point 9 N 1,672,962.2990 E 1,634,685.0633 Sta 200+00.00

Course from 9 to PC SW_BLVD2_3 N 1° 12' 14.92" W Dist 110.9935

Curve Data

Curve SW_BLVD2_3
P.I. Station 204+98.23 N 1,673,460.4209 E 1,634,674.5931
Delta = 42° 20' 11.88" (RT)
Degree = 5° 43' 46.48"
Tangent = 387.2384
Length = 738.9136
Radius = 1,000.0000
External = 72.3589
Long Chord = 722.2179
Mid. Ord. = 67.4764
P.C. Station 201+10.99 N 1,673,073.2680 E 1,634,682.7308
P.T. Station 208+49.91 N 1,673,752.0852 E 1,634,929.3195
C.C. N 1,673,094.2828 E 1,635,682.5100
Back = N 1° 12' 14.92" W
Ahead = N 41° 07' 56.96" E
Chord Bear = N 19° 57' 51.02" E

Course from PT SW_BLVD2_3 to 10 N 41° 07' 56.96" E Dist 172.7490

Point 10 N 1,673,882.1981 E 1,635,042.9542 Sta 210+22.66

BEGIN PROFILE SW_BLVD_P DESCRIPTION

	STATION	ELEV	GRADE	TOTAL L	BACK L	AHEAD L
VPI 1	200+69.80	1,294.07				
VPC	200+75.00	1,294.05	-0.50	K = 102.0		
VPI 2	201+25.00	1,293.80		100.00	50.00	50.00
Low Point	201+26.02	1,293.92				
VPT	201+75.00	1,294.04	0.48			
VPC	208+50.00	1,297.28	0.48	K = 319.9	SSD = 3501.8	
VPI 3	209+00.00	1,297.52		100.00	50.00	50.00
VPT	209+50.00	1,297.60	0.17			
VPI 4	210+22.66	1,297.72	0.17			

TRANSYSTEMS
245 N. WACO
SUITE 222
WICHITA, KANSAS 67202
MAIN: 316-303-3000
FAX: 316-462-5629

CONSULTANTS:

WEST STREET IMPROVEMENTS
FROM PAWNEE TO HARRY

WICHITA, KANSAS
CITY OF WICHITA

REVISIONS:

MARK	DATE	DESCRIPTION

PROJ NO: 87 N-0720-01
SCALE: N.T.S.
DATE: 9/25/2023
DESIGNED BY: CKC
DRAWN BY: LCV
CHECKED BY: MDB

SHEET TITLE:
GEOMETRIC DATA

SHEET NO.
6
SHEET 6 OF 517

lcvaha
9/25/2023 - 6:17:16 PM - c:\transystems\tow_local\transyscorp-pw1\wa_lcvaha\d0984549\C-CDS-M01-100.DGN

IF THIS DRAWING IS LESS THAN 22" X 36" IT IS A REDUCED SIZE DRAWING