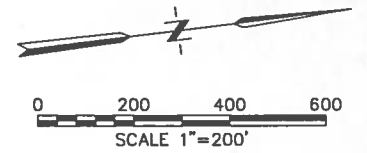


REV. NO.	DESCRIPTION	REVISION	DATE
1	△	CORRECTED TYPO	8/5/16



Left Frontage Road					
V=40 MPH LOW SPEED URBAN					
NUMBER	LENGTH	BEARING	STATION	NORTHING (Y)	EASTING (X)
C49	ARC LENGTH = 3762.6336 RADIUS = 4806.0669 TANGENT = 1983.6874 EXTERNAL = 393.2883	DELTA = 44°51'23.16" CHORD LENGTH = 3667.2756 CHORD DIRECTION = N21°27'19.87"E	PC 182+02.85 PI 201+86.54 PT 219+65.48	578548.0065 579977.7450 581961.1465	2642977.3685 2644352.4552 2644318.7803

J-Turnaround					
NUMBER	LENGTH	BEARING	STATION	NORTHING (Y)	EASTING (X)
C80	ARC LENGTH = 72.4662 RADIUS = 29.0000 TANGENT = 87.1077 EXTERNAL = 62.8083	DELTA = 143°10'21.43" CHORD LENGTH = 55.0304 CHORD DIRECTION = S62°20'39.52"E	PC 10+54.86 PI 11+41.97 PT 11+27.33	581082.4246 581006.4477 581066.8819	2644350.8514 2644336.8615 2644399.5948
C81	ARC LENGTH = 75.2145 RADIUS = 144.0000 TANGENT = 38.4862 EXTERNAL = 5.0543	DELTA = 29°55'36.85" CHORD LENGTH = 74.3624 CHORD DIRECTION = N31°06'21.34"E	PC 11+27.33 PI 11+65.81 PT 12+02.54	581066.8819 581093.5831 581130.5520	2644399.5948 2644427.3118 2644438.0120
C82	ARC LENGTH = 380.2827 RADIUS = 1840.0000 TANGENT = 190.8210 EXTERNAL = 9.8683	DELTA = 11°50'29.85" CHORD LENGTH = 379.6062 CHORD DIRECTION = N10°13'17.99"E	PC 12+02.54 PI 13+93.36 PT 15+82.82	581130.5520 581313.8496 581504.1333	2644438.0120 2644491.0654 2644505.3758
C83	ARC LENGTH = 47.2741 RADIUS = 5006.0303 TANGENT = 23.6372 EXTERNAL = 0.0558	DELTA = 0°32'27.85" CHORD LENGTH = 47.2739 CHORD DIRECTION = N4°01'49.15"E	PC 15+82.82 PI 18+06.46 PT 16+30.10	581504.1333 581527.7039 581551.2903	2644505.3758 2644507.1484 2644508.6984

Ramp C					
NUMBER	LENGTH	BEARING	STATION	NORTHING (Y)	EASTING (X)
C84	ARC LENGTH = 235.5056 RADIUS = 4869.9934 TANGENT = 117.7757 EXTERNAL = 1.4239	DELTA = 2°46'14.66" CHORD LENGTH = 235.4826 CHORD DIRECTION = N1°52'42.72"W	PC 17+99.99 PI 19+17.76 PT 20+35.49	581726.6661 581844.4374 581962.0221	2644378.0707 2644377.0570 2644370.3514
L50	64.5064	N3°15'50.05"W	BP 20+35.49 EP 21+00.00	581962.0221 582026.4239	2644370.3514 2644366.6788
L51	169.9842	N0°58'21.59"W	BP 21+00.00 EP 22+69.98	582026.4239 582196.3837	2644366.6788 2644363.7932
C85	ARC LENGTH = 200.0000 RADIUS = 1039.0000 TANGENT = 100.3099 EXTERNAL = 4.8310	DELTA = 11°01'44.49" CHORD LENGTH = 199.6914 CHORD DIRECTION = N6°29'13.96"W	PC 25+28.47 PI 26+28.78 PT 27+28.47	582452.0893 582550.2066 582650.5020	2644329.6375 2644308.7789 2644307.0761
L52	52.5203	N12°00'06.21"W	BP 24+75.95 EP 25+28.47	582400.7170 582452.0893	2644340.5586 2644329.6375
C86	ARC LENGTH = 205.9679 RADIUS = 1070.0000 TANGENT = 103.3031 EXTERNAL = 4.9751	DELTA = 11°01'44.61" CHORD LENGTH = 205.6501 CHORD DIRECTION = N6°29'13.90"W	PC 22+69.98 PI 23+73.29 PT 24+75.95	582196.3837 582299.6719 582400.7170	2644363.7932 2644362.0396 2644340.5586

US 69, CRL					
NUMBER	LENGTH	BEARING	STATION	NORTHING (Y)	EASTING (X)
C2	ARC LENGTH = 5901.6050 RADIUS = 4911.0668 TANGENT = 3365.9557 EXTERNAL = 1042.7753	DELTA = 68°51'07.41" CHORD LENGTH = 5552.8626 CHORD DIRECTION = N33°27'11.99"E	PC 3161+33.94 PI 3194+99.90 PT 3220+35.55	577329.9806 578597.4583 581962.9290	2641362.7076 2644480.9056 2644423.7651

Right Frontage Road					
V=40 MPH LOW SPEED URBAN					
NUMBER	LENGTH	BEARING	STATION	NORTHING (Y)	EASTING (X)
C60	ARC LENGTH = 3909.3946 RADIUS = 5016.0571 TANGENT = 2060.0457 EXTERNAL = 406.5453	DELTA = 44°39'17.84" CHORD LENGTH = 3811.1985 CHORD DIRECTION = N21°21'16.93"E	PC 181+83.89 PI 202+43.94 PT 220+93.29	578415.1747 579904.9626 581964.7115	2643140.9379 2644563.7240 2644528.7500



Survey	CKS	U.S. 69 - COMANCHE AVENUE	PITTSBURG COUNTY
Drawn	CKD		
Checked	CKE		
Approved			
Squad	C & K	JOB PIECE NO. 14999(04)	SHEET NO. 41

GEOMETRICS