

BASIS OF BEARINGS:

ADOT Engineering Survey Crew surveyed and provided the Coordinates for the project. Coordinates were based on NAD83\2011 Horizontal and NAVD88 Vertical Datum with a GAF of 1.00016. NGS Control Points used for this project include: 3KK2, A 469, SORRY, A 321, 3KI1, and 3MI1.

BASIS OF ALIGNMENT AND STATIONS:

Best fit alignment was based on split of existing edge of pavement survey points and right of way markers were located in the field. Alignment was tied to a 3 Inch Alum Cap A.H.D. P.T. Sta. 2076+07.51

Record Drawings S-222(22) and S222(15) were used to construct the alignment file.

BASIS OF ELEVATIONS:

NGS Monument Stamped A 469 with elevation 807.64, was held as basis of elevation for the project.

* Alignment name: SR85
* Alignment description:
* Alignment style: Alignment\E_Geom_Baseline
*

	STATION	NORTHING
EASTING		
Element: Linear		
START()	188700.000	681293.117
441046.571		
HPI()	205564.392	696490.747
448356.822		
Tangential Direction:	N25.688 E	
Tangential Length:	16864.392	
Element: Linear		
HPI()	205564.392	696490.747
448356.822		
PC()	205564.729	696491.050
448356.969		
Tangential Direction:	N25.713 E	
Tangential Length:	0.337	
Element: Circular		
PC()	205564.729	696491.050
448356.969		
HPI()	206597.117	697421.213
448804.877		
CC()		698972.598
443203.579		

448899.335	PT()	207607.511	698449.271
	Radius:	5719.747	
	Delta:	20.463 Left	
	Degree of Curvature(Arc):	1.002	
	Length:	2042.782	
	Tangent:	1032.388	
	Chord:	2031.943	
	Middle Ordinate:	90.954	
	External:	92.424	
	Tangent Direction:	N25.713 E	
	Radial Direction:	S64.287 E	
	Chord Direction:	N15.481 E	
	Radial Direction:	S84.750 E	
	Tangent Direction:	N5.250 E	
Element: Linear			
448899.335	PT()	207607.511	698449.271
449476.025	PC()	213910.500	704725.822
	Tangential Direction:	N5.250 E	
	Tangential Length:	6302.989	
Element: Circular			
449476.025	PC()	213910.500	704725.822
449552.463	HPI()	214745.931	705557.749
443770.468	CC()		705250.050
449388.162	PT()	215569.670	706376.865
	Radius:	5729.589	
	Delta:	16.592 Left	
	Degree of Curvature(Arc):	1.000	
	Length:	1659.170	
	Tangent:	835.431	
	Chord:	1653.379	
	Middle Ordinate:	59.953	
	External:	60.587	
	Tangent Direction:	N5.250 E	
	Radial Direction:	S84.750 E	
	Chord Direction:	N3.046 W	
	Radial Direction:	N78.658 E	
	Tangent Direction:	N11.342 W	
Element: Linear			
449388.162	PT()	215569.670	706376.865

END()	216299.604	707092.544
449244.609		
Tangential Direction:	N11.342 W	
Tangential Length:	729.934	